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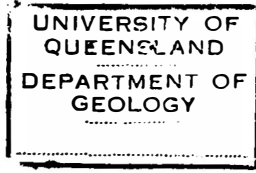
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1908.
QUEENSLAND.

WATER SUPPLY DEPARTMENT.

TABLES
OF ARTESIAN BORINGS, PERENNIAL SPRINGS, AND
WATER ANALYSES,

KNOWN TO THE WATER SUPPLY DEPARTMENT AT THE END OF DECEMBER, 1907,

WITH

ACCOMPANYING MAP

SHOWING APPROXIMATELY THEIR RESPECTIVE POSITIONS ;

ALSO

GEOLOGICAL DATA.

Compiled by the Direction of
J. B. HENDERSON, M. Inst. C.E., M. Am. Soc. C.E., &c., &c.,
GOVERNMENT HYDRAULIC ENGINEER.

BRISBANE:
BY AUTHORITY: GEORGE ARTHUR VAUGHAN, GOVERNMENT PRINTER, WILLIAM STREET.
1908.

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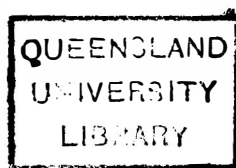


TABLE OF BORES—continued.

Reference No.	Locality, Run, Parish, Town, or District.	Local Name of Bore. (Other Particulars in Italic.)	Latitude South.	Longitude East.	DATES.		Surface of Ground above Mean Sea Level, in Feet.	Total Depth of Bore, in Feet.	Depth to Principal Water Bed, in Feet below Surface.	Temperature of Water, Fahrenheit Degrees.	ARTESIAN.			SUB-ARTESIAN.		REFERENCE TO—			
					Commencement of Work.	Completion of Work.					Continuous Daily Flow in Gallons when uncontrolled.	Static Pressures in Lb., per Square Inch at Surface.	Maximum Potential Horse Power.	Depth of Water Level below Surface, in Feet.	Volume Pumped or Available Daily, in Gallons.	Grade of Supply, Daily Gallons per Foot.	Section of Strata, Analysis, &c.		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
LIV.	Logie Plains	1.*	26° 32'	150° 56'	6-05	8-05	...	145	143	...	...	...	...	113	5,760	...	...	...
	Ditto	2.*	26° 31'	150° 54'	...	10-2-06	...	140	116	...	...	...	...	100	9,360	...	...	...
LV.	Dalby District	1. Maida Hill*	27° 12'	151° 16'	06	25-5-06	...	149	66	...	...	...	...	54	20	...	...	...
		Ditto	...	...	06	22-6-06	...	34	34	...	...	...	...	28	19,200	...	...	...
		Ditto	...	...	07	15-2-07	...	24	...	...	...	...	...	9	not tested	...	...	...
		Ditto	06	31-8-06	...	103	3,200
		Ditto	05	9-05	...	88	5,040
		Ditto	06	3-06	...	156	1,200
LVI.	Jandowae District	1.	...	...	3-06	25-1-07	...	274	...	...	...	...	...	48	4,500	...	...	...
		Ditto	...	...	4-06	9-3-07	...	325	261	...	...	...	...	?	480	...	...	...
		Ditto	...	...	5-06	15-12-06	...	133	...	...	...	...	...	?	6,000	...	...	...
		Ditto	20-5-06	26-5-06	...	152	dry
LVII.	Binjour Plateau	1. Portion 17 (<i>ab'd.</i>)	...	...	10-5-06	20-6-06	...	276	dry	...	...	...	...	238	7,200	...	...	...
		Ditto	...	...	...	19-3-07	...	275	258	...	...	...	...	222	4,800	...	...	...
		Ditto	...	...	...	29-9-07	...	257	255	...	...	...	...	...	...	...	...	...
LVIII.	Gayndah Group	1. Woodmillar's scrub (<i>ab'd.</i>)	...	...	...	29-6-07	...	237	220	...	...	...	...	?	4,800	...	...	...
		Ditto	...	...	...	3-08	...	200	dry	...	...	...	...	...	...	...	...	...
LIX.	Cloyva Parish	1. Murgon (<i>abandoned</i>)	26° 10'	151° 55'	7-06	25-8-06	1,580	277	dry	...	...	...	...	64	6,400	...	...	...
		Ditto	26° 9'	151° 56'	7-9-06	10-11-06	1,315	275	256	...	...	...	...	...	...	...	...	...
LX.	McEuen Parish	Portion 321v	...	...	15-9-05	16-12-05	...	82	soakage	...	...	...	...	...	...	...	...	...
		Ditto	...	...	...	21-10-05	...	176	...	...	...	...	...	...	...	good	...	...
		Ditto	...	...	...	11-11-05	...	97	...	...	...	...	...	...	...	good	...	...
		Ditto	...	...	...	27-1-06	...	102	96	...	...	...	...	...	...	...	...	...
		Ditto	...	...	...	23-4-07	1-5-07	...	102	dry	...	...	...	...	...	good	...	...
		Ditto	...	...	...	11-4-07	22-4-07	...	42	...	...	...	...	...	...	good	...	...
		Ditto	...	...	...	4-4-07	10-4-07	...	78	...	...	...	...	...	...	good	...	...
		Ditto	...	...	...	9-1-07	22-1-07	...	70	...	...	...	...	...	...	small	...	...
		Ditto	...	...	...	...	...	...	80	...	...	...	...	...	...	good	...	...
		Ditto	...	...	...	...	...	...	45	62	...	...	...	...	...	25	good	...
LXI.	Cushnie Parish	Portion 6	...	...	7-2-07	13-2-07	...	80	...	...	...	...	...	...	...	...	...	...
		Ditto	...	...	...	18-2-07	8-3-07	...	99	dry	...	...	...	...	...	good	...	...
		Ditto	...	...	...	11-3-07	3-4-07	...	99	dry	...	...	...	...	...	...	...	...
LXII.	Charleston Parish	Portion 107v	24-4-07	23-5-07	...	70	
		Ditto	25-5-07	7-6-07	...	116	dry	good	
		Ditto	8-6-07	24-6-07	...	131	good	

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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
i.	Normanton R., 23 m. Ditto 24½ m. Ditto 36 m.	(<i>trial, abandoned</i>) (<i>trial, abandoned</i>) Warreah* (<i>abandoned</i>) Mackay Rly. Station	17° 52' 48" 17 53 15 20 49 25 21 10	141° 53' 30" 141 54 50 144 50 50 149 15	8-88 19-12-88 ? ?	18-12-88 3-89 6-96 1892	45 60 90 L 1,420 L 14	100 60 110 494 37	60 52	
ii.	Northern R., 19½ m. Mackay Railway	Stanwell* Maria Creek* Jericho No. 1 (<i>abandoned</i>) Jericho No. 2 Springs (<i>abandoned</i>) Alice (<i>abandoned</i>)	23 30 23 36 23 36 23 36 23 34 23 34	150 20 148 38 146 7 146 7 145 54 145 48	11-97 before '86 3-02 before '86 1885	28-5-98 4-86 15-5-03 4-86 1885	? 570 L 1,141 L 1,146 1,111 994	250 1,003 110 3,518 200 50	a 196 a 415 dry c 1,730 dry dry	...	over 10,000 Intermit. flow	57	SP 5,000	138 136	
ix.	Ditto 336 m. Ditto 337 m.	Back Creek No. 1* Back Creek No. 2 (<i>trial, abandoned</i>) Lagoon Creek (<i>abandoned</i>) Dalby Cattle Yards* Mitchell*	23 34 23 34 ...	145 40 145 40	L 973 ...	180 1,056 ?	a 167 b 1,015	70	dribble	...	nr. surf.	SP	...	R 6,500	...	219	
x.	Central R., 354 m. Ditto 360 m.	200 300	dry	? 10 9	P 8,000	217
xi.	Western R., 154 m. Ditto 372 m.	Dulbydilla Marathon Rly. Station Nondah Julia Creek ditto	26 25 20 52 20 41 20 40	147 22 143 34 142 28 141 45	1885	L 1,444 L 881 ...	370 941 1,295 1,121	b 854 ...	101 112 122	238,700 364,000 1,707,500	180	218	
xv.	Ditto 411 m. Cloncurry Railway
xvi.	Ditto
xvii.	Ditto

RAILWAY DEPARTMENT BORES.

LOCAL GOVERNMENT BORES.

Reference No.	Local Authority.	Local Name of Bore.	Latitude South.	Longitude East.	Commencement of Work.	Completion of Work.	Surface of Ground above Mean Sea Level, in Feet.	Total Depth of Bore, in Feet.	Depth to Principal Water Bed, in Feet below Surface.	Temperature of Water, in Fahrenheit Degrees.	Continuous Daily Flow in Gallons when uncontrolled.	Static Pressures in Lb. per Square Inch at Surface.	Maximum Potential Horse Power.	Depth of Water Level below Surface, in Feet.	Volume Pumped or Available Daily, in Gallons.	Grade of Supply, Daily Gallons per foot.	Section of Strata, &c.	Chemical Analysis.
xxiii.	Aramac Shire Council	Nine-mile*	23° 6' 30"	145° 15' 30"	5-90	6-90	745	?	614	500	63,500	15 to 19	...	...	...	1,400	...	12
xxiv.	Ditto	Aramac Town*	22 58	145 14	1-96	3-96	740	1,343	b 1,280	104	772,800	38½ to 42	...	...	...	8,400	...	97
xxv.	Ilfracombe S. Coun.	Ilfracombe do.*	23 29	144 30	1-96	3-97	L 710	2,450	b 1,650	131	480,000	21 to 27	...	...	...	2,860	...	...
xxvi.	Longreach S. Coun.	Longreach do.*	23 26	144 14	4-97	10-12-97	L 625	3,590	c 2,400	162	205,000	35 to 97	...	...	...	1,020	...	...
xxvii.	Aramac Shire Council	Muncaburra do.*	22 35	144 32	10-00	30-4-01	...	2,707	...	139	594,600	? 60	...	...	...	...	...	...
xxviii.	Ditto	Twenty-mile	23 15	145 15	...	1907	...	1,058	...	...	460,000	...	...	...	...	...	...	...
xxix.	Barcardine S. Coun.	Town bore, Ash str.*	23 33	145 17	2-93	21-9-04	L 871	D 2,681	b ? 1,320	113½	? 450,000	24	1-64	...	...	7,500	...	...
xxx.	Ditto	ditto Pine str.*	23 33	145 17	1-4-99	30-5-99	L 877	L 422	b 1,160	112½	? 240,000	19 to 21	0-96	...	...	4,000	...	...
xxxi.	Carpentaria S. Coun.	Normnton., W'dward st.	17 14	145 4	...	21-12-85	20	227	...	...	...	...	...	...	...	...	...	...
xxxii.	Dally District	Corporation Well*	27 11	151 16	before ...	12-98	L 1,114	110	a 110	...	...	...	...	85	W 48,000	...	...	...
xxxiii.	Ditto	Branch Creek*	27 13	151 15	"	"	...	120	a 120	80
xxxiv.	Ditto	Oakey Creek*	27 19	151 17	"	"	...	100	a 100	60

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1	Dalby District	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
	Ditto	Spring Flat*	26° 54' 52"	151° 22' 9"	before ...	12-98	...	80	a	68
	Ditto	Jacky's Waterhole*	26 58 6	151 23 25	"	"	...	75	a	68
	Ditto	Wonga Flat*	26 59 52	151 29 17	"	"	...	120	a	80
	Ditto	Square Top*	27 2 0	151 25 11	"	"	...	100	a	60
	Ditto	Meyers*	27 2 57	151 29 40	"	"	...	80	a	30
	Ditto	Moola Creek*	27 4 39	151 29 17	"	"	...	120	a	60
	Ditto	Macarty's Corner*	27 9 28	151 20 12	"	"	...	75	a	65
	Ditto	Hayfield's Gate*	27 10 42	151 17 11	"	"	...	75	a	65
	Ditto	Malakoff*	26 54 31	151 23 48	1903 ...	8-03	...	80	a	65
	Ditto	1. Mount Halley* (ab'd)	1903 ...	"	...	160	a	?	3,840
	Ditto	2. ditto*	1903 ...	"	...	120	a	40	P 14,400
	Ditto	Macalister*	before ...	12-98	...	70	a	62
	Ditto	Jandowae Town No. 1*	26 47 0	151 6 40	1902 ...	9-02	...	140	a	100	P 3,000
	Ditto	ditto No. 2*	140	a	?
	Dairyple S. Coun.	Wowra Creek*	21 34 35	145 14 40	1-7-95	6-10-95	905	423	a	82	8	P 60,000	...	135	172,173
	{ Hugenden M. Coun.	Town bore No. 1*	20 51 15	144 11 35	3-1-93	7-98	1,094	3,069	a	64	SP 120,000	...	211	...
	Ditto	ditto No. 2*	20 51 15	144 11 35	21-8-02	29-9-02	1,094	601	a	154	SP 64,400	...	154	...
	Flinders Shire Coun.	Richmond Town*	20 44 35	143 9 0	12-99	14-2-99	L1,166	1,189	b	108
	Kargoolnah S. Coun.	Yalleroi	24 4 45	145 45 0	17-3-00	10-4-00	L1,166	961	b	100
	Ditto	Thornleigh*	24 19 35	144 56 20	? 5-01	15-9-02	L 810	4,003	e	174
	Ditto	Glenusk	24 18 0	145 39 50	1903 ...	3-4-04	1,035	2,384	c
	Murweh Shire Coun.	Morven Town*	26 24 25	147 7 30	7-96	10-97	1,410	2,657	b	100	60	200,000	...	132	130, 198
	Roma Mun. Council	Court House (ab'd)	26 34 25	148 47 10	7-82	12-82	982	500	c	60
	Blackall Mun. Council	Blackall Town No. 2*	24 26 0	145 28 0	1901 ...	6-01	L 386	2,590	c	138
	Balonne Shire Coun.	St. George Town	28 2 25	148 35 10	9-12-02	5-1-04	L 659	2,709	a	134
	Winton Shire Council	Kynuna Town	21 35 10	141 55 10	20-5-04	15-11-04	L 655	2,221	u	150
	Ditto	Dry Creek	22 14	142 54	...	15-8-07	?	303	b
	Booringa Shire Coun.	Mitchell Town*	26 29 20	147 58 0	18-1-08	P 08	L1,110	1,270	b	P 1,000

PRIVATE BORES.

	Aberfoyle Run	A Banty*	21° 33'	145° 19'	4-8-90	21-11-90	895	494	c	86	...	...	...	3	not known	4,500	201	N
	Ditto	B Wowra*	21 27 35	145 11 50	11-90	10-12-91	970	707	a	...	...	...	...	77	...	...	202	...
	Ditto	C "P.R."*	21 36 0	145 25 0	15-1-92	21-1-92	855	100	a	82	...	...	...	...	...	good	203	...
	Ditto	D Spring Plain*	21 48 0	145 23 50	3-2-92	27-2-90	855	354	c	85	...	...	...	...	...	8,800	204	...
	Ditto	E Cathering*	21 35 30	145 15 0	16-3-92	4-6-92	890	500	c	83	...	...	...	...	...	4,600	205	...
	Ditto	1. Spring Plains	...	...	05	18-8-05	...	735	...	cool	...	...	...	...	...	...	...	...
	Ditto	2. "P.K."	...	...	05	15-11-05	...	645	...	cool	...	...	...	...	...	...	...	...
	Ditto	3. Tailor's Plains	...	...	05	2-12-05	...	848	...	cool	...	...	...	...	...	...	...	...
	Ditto	4. Adavale (abandoned)	1-3-07	...	850	8	not pumped
	Adavale Run?	Adavale (abandoned)	25 54	144 36	94	100	50	salt

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1	Afton Downs Run	1. Knob*	21° 7' 45"	143° 52' 50"	5	6	8	9	10	11	12	13	14	15	16	17	18	19
	Ditto	2. Afton*	20 59 15	144 1 20		2-2-92	940	D 1,880	a 1,560	114	30,000	4,720	111	
	Ditto	3. Emu Creek*	21 8 20	144 3 0		21-6-92	925	D 1,214	b 1,013	103	450,000	...	...	...	...	31,240	112	119
	Ditto	4. Cannonball*	20 55 50	143 52 55		8-92	1,010	2,871	c 2,540	123½	99,000	about 4	...	...	...	? 10,000	113	120
	Ditto	5. North-east*	20 55 30	144 2 40		28-6-95	845	774	a 670	98	400,000	...	...	...	...	17,600	114	121
	Ditto	6. Scrubby Creek*	21 2 40	143 56 40		16-10-95	1,000	1,296	c 1,140	100	...	...	...	about 10	...	12,000	116	122
	Ditto	7. Far Emu*	21 9 30	144 0 10		10-5-99	...	1,345	1,175	100	400,000	...	...	...	...	...	...	...
	Ditto	8. Stoney Warianna	...	...		12-99	...	1,726	1,508	103	170,000	...	...	...	...	...	...	...
	Ditto	G.F. 1059	21 7	143 48		6-06	...	1,572	...	warm	R 700,000	...	...	?	P good	...	...	267
	Ditto	Alba Wool Scour Co.	21 3 10	144 1 55		00	...	? 900	...	...	...	...	...	...	...	...	...	...
4	Albilbah Run	1. Gable End*	24 52 30	144 12 5		1-7-89	...	D 4,205	...	170	20,000	...	...	...	...	...	...	...
	Ditto	2. Jackson's*	24 34 0	144 21 0		21-12-89	...	3,800	...	very hot	20,500	...	...	...	...	...	...	...
	Ditto	3. Pemberton's* (aband.)	24 33 40	144 15 45		92	...	1,600	...	...	...	...	...	...	...	...	...	...
5	Albion Downs Run	...	21 32 0	142 44 40		10-97	...	3,033	...	...	R 1,700,000	...	...	...	...	...	...	...
6	Alice Downs Run	1. Croydon*	24 13 10	145 29 50		3-7-90	995	2,814	b 2,814	133	C V 373,000	42 to 50	...	...	...	4,330	142	...
	Ditto	2. Norwood*	24 10 10	145 19 45		11-4-98	955	3,248	a 3,200	very hot	R V 800,000	...	...	...	...	...	...	...
7	Ambathalla Run	Cobb and Co.	25 50	145 15		2-06	...	2,200	...	...	small flow	...	...	...	...	...	...	...
8	Arabella Run	Highfield*	26 31 35	146 30 40		13-4-96	1,196	3,335	2,828	137	111,300	7½	...	...	...	...	...	207
	Aramac Run	(three trial bores)	...	...		before '91	...	514	...	...	...	...	...	...	...	...	...	...
	Ditto	1. Lake	22 48 55	145 22 20		9-2-91	790	650	570	89½	500,000	11 to 12½	...	...	...	15,300	...	...
	Ditto	2. Woolshed*	22 54 55	145 16 40		31-3-91	770	1,011	? 750	98	800,000	23	...	...	...	...	...	...
	Ditto	3. Politic G.F. 953*	23 4 15	145 19 20		9-5-92	765	900	...	97	950,500	good	...	...	...	...	...	...
	Ditto	4. Jersey	23 1 35	145 25 0		4-6-92	729	729	...	92	355,500	27 to 31½	...	...	...	11,800	...	...
	Ditto	5. Ravensbath	22 57 20	145 25 35		22-6-92	780	697	...	91	677,000	19 to 23	...	...	...	31,000	...	...
	Ditto	6. Washpool*	22 54 10	145 18 20		3-9-92	770	830	...	97	750,000	26½	...	...	...	...	...	...
	Ditto	6A. (abandoned)	...	...		6-7-92	...	260	...	...	...	...	...	?	SP 100,000	abt. 20,000	...	...
	Ditto	7. Greyrock*	23 1 10	145 31 20		21-10-93	...	306	dry	...	...	...	...	...	...	...	...	...
	Ditto	8. Camara	22 54 0	145 33 20		S 12-93	...	500	...	...	...	...	...	...	...	...	...	...
	Ditto	9. Eagle Flat	...	...		31-11-93	...	300	...	...	...	...	...	...	...	...	...	...
	Ditto	10. Five-mile	...	...		04	...	80	...	...	...	...	...	...	...	...	...	...
	Ditto	11. Teatree	...	...		03	...	90	...	...	...	...	...	...	...	...	...	...
	Ditto	12. Friendly Springs	22 58	145 28		03	...	100	...	...	...	...	...	...	...	...	...	...
	Ditto	13. Top 20 Miles	...	...		03	...	90	...	...	...	...	...	...	...	...	...	...
9	Aramac S.W. District	1. Leichhardt G.F.	23 7	145 10		9-90	800	1,820	...	120	250,000	R 50	...	...	...	...	...	...
	Ditto	2. (Niko) G.F.	23 6	145 1		12-91	...	2,488	...	138	300,000	R 60	...	...	...	...	...	...
	Ditto	3. (Fuayama) G.F.	23 5	144 56		9-92	...	1,467	...	112	900,000	R 61	...	...	...	...	...	...
	Ditto	Pawella G.F.	23 2 30	145 1 30		6-92	...	D 1,950	b 1,326	140	750,000	10	...	...	...	...	...	...
	Ditto	Willoughby, Alexander's	23 10 30	145 2		2-06	...	2,661	...	...	300,000	...	...	...	...	...	...	...
	Ditto	The Meadow G.F. 84	23 9 20	145 16 30		05	...	850	...	...	1,000,000	...	...	...	...	...	...	...
	Ditto	Park Farm G.F. 33	22 54	145 2		05	...	1,850	...	...	800,000	...	...	...	...	...	...	...
11	Ditto North Dist.	Springdale G.F. 516*	22 44 15	145 12 25		10-92	778	1,100	b 1,000	101½	795,000	21 to 23½	2-90	...	...	15,300	122	...
	Ditto	Stagmount G.F. 183*	22 48 45	145 16 25		11-92	785	978	b 900	97	644,500	17 to 20	2-05	14,970	123	...

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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
12	Ardoch Run Ditto	1. Prairie* 2. ...	27° 31'	144° 21'	1-6-05 6-06	1-1-06 P 3-08	...	2,604 2,190	? e 2,600	152	2,000,000	
13	Arrabury Run	Murray's Well*	26 39 45	141 16 25	before	96	...	22	a	...	...	...	...	14	P large	...	...	...
14	Authorings and Riversleigh Run Ditto Ularunda Lease	1. Riversleigh* 2. Rocky* 3. Spinifex* ...	26 30 30 26 41 0 26 47 20 ...	146 20 40 146 47 20 146 27 10 ...	11-95 1-1-96 8-98 ...	2-96 6-98 99 P 08	...	1,464 3,086 3,060 600	...	...	R 800,000 R 150,000 20,000	...	...	65	good	...	...	...
15	Avondale and Elenora Ditto	1. Avondale G.F. 94 2. Elenora G.F. 93*	28 23 25 28 23 0	146 26 50 146 22 30	...	9-98 98	...	317 1,621	...	112	VR2,500,000	...	...	35	SP 30,000	...	...	192
16	Ayrshire Downs Run Ditto Ditto Resumption	1. Wokingham No. 2 2. Coongarry No. 3 3. Wokingham No. 3 Cllo G.F. 216	22 0 55 21 43 40 21 49 15 21 38 ...	142 40 30 142 30 25 142 37 10 142 40 ...	1-95 11-4-98 10-99 01	9-97 9-99 10-02 4-02	L 611 ...	4,438 3,721 3,500 3,745	4,360 3,200 ...	184 abt. 160 abt. 160 187	500,000 300,000 300,000 250,000	...	...	...	...	...	44	...
17	Bando Run Ditto	1. Roto* 2. Juan*	27 16 50 27 26 50	145 30 35 145 30 40	...	28-4-98 9-98	...	2,090 2,075	no record b 2,000	? 130 ...	2,100,400 2,000,000	...	...	...	...	...	...	9
18	Bando District Ditto Ditto	Goolburra G.F. 111 Wallen G.F. 102 Glendilla G.F. 223	27 34 25 27 35 15 27 42 ...	145 39 20 145 43 30 145 34 ...	...	? 05 10-1-06 17-5-07	...	1,950 2,109 1,727	...	118 ...	2,000,000 2,000,000 1,500,000	...	...	...	...	...	...	...
19	Barcardine Downs R. Ditto Ditto	1. Twenty-mile* 2. Greasy or Woolshed* 3. Rocky	23 46 0 23 43 15	144 54 10 145 5 20	89 4-10-93	21-1-96 5-3-95 01	850 855	D3,533 2,776 2,000	3,400 2,670 ...	160 142 ...	340,000 626,700 500,000	43 to 49 36 to 41	...	...	...	6,900 15,300	...	...
20	Barcardine North Ditto [District Ditto Ditto Ditto Ditto Ditto Ditto Ditto Ditto Ditto	Brackhill, Cronin's* Halfmoon, Brown* 1. Fairview, Pent's* 2. Fairview* Woodend, Vance's* Lakeview, Kirby's* D. C. O'Regan's G.F. 420 1. Braeside, Arthur's* 2. Ditto Fox Hall Selection Westbourne, Ferguson	23 33 0 23 29 5 23 29 0 23 29 0 23 30 5 23 31 20 23 33 23 32 30	145 19 15 145 14 10 145 19 0 ... 145 20 30 145 25 30 145 22 30 ... 145 12 25	12-92 9-98 10-95 1-3-99 end of '91 01 96 98 ... 3-1-98	26-1-93 2-99 11-95 20-7-07 12-4-99 28-5-92 1-02 05 05	877 ...	1,002 ? 2,020 1,140 3,028 1,482 746 1,000 1,143 1,300 997 1,620	b 1,000 b 1,150 b 1,000 2,510 b 1,050 a a ...	? 106 95 105 hot 104 99 warm ... 105 110 109	422,300 ... 232,100 400,000 300,000 372,000 500,000 200,000 400,000 243,000	12 to 17 ... 9 to 11 ? 10 13 to 16 4 10 ? 10	1-18 ... 0-50 ... 0-95 ...	28 ...	W large ...	10,000 ...	...	72
21	Barcardine South Ditto [District Ditto Ditto Ditto Ditto Ditto Ditto	Alice R. Co-operative* Dunraven* 1. Jac'ndol, Campbell's* 2. Jac'ndol G.F. 382 W'lsour, McLeachlin's* Westbourne (Meat W.)* Walker's Selection Stibbard's A.F. 601	23 35 10 23 37 50 23 35 30 23 39 ... 23 33 30 23 33 10 23 36 ... 23 34 ...	145 19 50 145 8 50 145 26 30 145 23 30 145 18 0 145 12 0 145 34 ... 145 21 ...	3-1-98 13-11-95 3-95 ? 05 9-89 11-92	4-3-98 15-7-96 ? 05 ? 05 15-4-96 26-2-83 ? 05 11-05	905 ...	1,320 2,450 D3,333 D1,184 1,798 ? 903 1,300	b 1,100 2,260 b 1,739 c 903 ...	112 135 ? 163 143 110 121 ? 100	278,800 223,600 500,000 600,000 225,400 256,600 300,000 400,000	13 to 15 13 to 15 ? 10 12 to 13 19 to 21 ? 11	6,000	?	8,000

TABLE OF BORES—continued.

Reference No.	Locality, Run, Parish, Town, or District.	Local Name of Bore. (Other Particulars in Italics.)	Latitude South.	Longitude East.	DATES.		Surface of Ground above Mean Sea Level, in Feet.	Total Depth of Bore, in Feet.	Depth to Principal Water Bed, Feet below Surface.	Temperature of Water, Fahrenheit Degrees.	ARTESIAN.			SUB-ARTESIAN.			REFERENCE NO.—		
					Commencement of Work.	Completion of Work.					Continuous Daily Flow in Gallons when uncontrolled.	Static Pressure in lb. per Square Inch at Surface.	Maximum Potential Horse Power.	Depth of Water Level below Surface, in Feet.	Volume Pumped or Available Daily, in Gallons.	Grade of Supply, Daily Gallons per Foot.	Section of Strata, Analysis, &c.		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
28	Beechal Run Ditto	1. Duck Holes* 2. Quilbone*	27° 21' 40" 27 2 0	144° 35' 30" 144 49 40	13-5-97 1-2-98	11-1-98 13-7-98	...	2,647 2,666	2,600 2,350	165 165	R 2,000,000 R 2,000,000	...	...	...	...	...	...	155 156
29	Bendena	Bendena	27 44 20	146 32 50	4-98	6-98	...	1,734	1,000	120	3,000,000	...	...	...	...	...	...	...
30	Bimerah Run Ditto Ditto Ditto	1. Rothwell* 2. Mungerie* 3. Whitewood* Shallow bore (<i>ab'd.</i>)	24 31 30 24 8 50 24 19 50 ...	143 39 20 143 35 20 143 32 10 ...	5-95 10-97 11-8-98 07	7-97 1-00 6-00 10-07	L 710 L 589 L 631 ...	4,860 4,310 5,045 258	b 4,250 b 3,925 ... no water	180 186 190	19,320 6,300 70,000	21½ to 30 4½	...	...	300 210	148 149	...	
31	Bindebango Run	Bindebango*	27 40 50	147 23 15	22-5-98	15-4-99	...	2,483	2,300	130	2,400,000	...	...	...	...	...	...	...
32	Bingara Run Ditto Ditto Ditto	1. Bingara* 2. Tunka* 3. Woonegym* 4. Dewalla* (<i>ab'nd'ned</i>)	28 12 40 28 14 10 28 15 50 28 8 0	144 37 50 144 38 30 144 45 0 144 43 50	...	12-93 1-2-94 24-2-94 6-3-94	...	201 213 148 79	a 200 a 194 a 148	80 80 70	40,000 20,000 48,000	low	...	...	...	...	...	...
33	Blackall District Ditto	Duneira (E. Banks) Woolscour Co.	24 32 50 24 23 40	145 32 10 145 29 30	26-8-01 21-7-06	28-12-01 16-2-07	L 932	1,764 2,507	1,700 2,431	...	92,000 1,250,000	...	...	...	...	...	215	275
34	Boatman Run Ditto Ditto Ditto	1. Jubilee* 2. Spring Waterhole* 3. Uncon'dit/1 Sel. 189v 4. Boatman & Elmira*	27 14 40 27 54 15 27 2 35 27 10 50	146 52 50 146 36 55 146 41 10 146 36 30	...	6-10-94 86 27-1-96 8-6-97	...	1,511 1,960 2,185 1,744	b 1,511	108 ...	R 3,000,000 R 2,000,000 R 2,500,000 R 2,100,000	1
35	Bogunda (Uanda) Ditto Ditto	1A. (<i>abandoned</i>) 1. Doncaster G. F. 4A* 2. St. Clair G. F. 5v.*	21 23 30 21 23 30 21 21 50	144 45 30 144 45 30 144 50 0	7-93 8-93 11-93	8-93 10-93 7-1-94	{ 1,090 1,073	780 895 1,260	Dry a 845 a 927	...	...	...	...	...	SP 46,000 SP 27,900	...	120 121	...
36	Bon Accord (Dalby) Ditto Ditto Ditto Ditto Ditto Ditto Ditto Ditto Ditto Ditto Ditto	1. Parish of Myall* 2. ditto 3. ditto 4. ditto 6. Parish of Macalister* 7. Parish of Jimbour* 8. Parish of Myall* 9. ditto 10. ditto 11. Parish of Jimbour* 12. ditto 13. Parish of Dalby*	27 12 30 27 10 ... 27 12 ... 27 7 30 27 6 ... 27 9 ... 27 9 ... 27 9 30 27 5 ... 27 9 30	151 10 9 151 13 41 151 12 16 151 10 0 151 10 16 151 12 4 151 12 10 151 12 52 151 15 6 151 16 15 151 18 5 151 16 43	...	before end of 98 " " " " " " " " "	?	45 110 60 180 120 125 80 140 100 116	a a a b a a a a a a	...	...	...	...	...	48,000 19,200 24,000 large " " 24,000 unlimited " "	...	...	...
37	Boorara and Yulemeya Runs Ditto Ditto Ditto Ditto Yulemeya Resump. Ditto	1. Bush Spring* 2. Colanya* 3. Woolshed* 4. Kilcowra 5. Woolshed, No. 2* 6. Tunka* 1. Taleroo 2. Potawka (<i>ab'nd'ned</i>)	28 19 20 28 32 10 28 34 45 28 33 5 28 33 50 28 18 40 28 52 5 28 53 20	144 10 25 144 39 55 144 27 10 143 58 45 144 27 25 144 15 10 144 11 5 143 57 0	...	8-94 8-96 9-96 12-7-98 28-4-98 8-98	220 196 156 1,474 800 200 260 410 a a a	cool ... cool ... ? 132 cool ... cool ... cool ... 90	75,000 17,000 1,000,000 20,000 3,000 75,000

TABLE OF BORES—continued.

Reference No.	Locality, Run, Parish, Town, or District.	Local Name of Bore. (Other Particulars in Italic.)	Latitude South.	Longitude East.	DATES.		Surface of Ground above Mean Sea Level, in Feet.	Total Depth of Bore, in Feet.	Depth to Principal Water Bed, in Feet below Surface.	Temperature of Water, Fahrenheit Degrees.	ARTESIAN.			SUB-ARTESIAN.		REFERENCE TO—		
					Commencement of Work.	Completion of Work.					Continuous Daily Flow in Gallons when uncontrolled.	Static Pressures in Lb. per Square Inch at Surface.	Maximum Potential Horse Power.	Depth of Water Level below Surface, in Feet.	Volume Pumped or Available Daily, in Gallons.	Grade of Supply, Daily Gallons per Foot.	Section of Strata, &c.	Chemical Analysis.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
46	Burleigh Run	1. Surrey*	20° 17' 30"	143° 11' 50"	94	? 00	...	D 904	...	87	1,500,000	...	...	?	large	...	...	...
	Ditto	2.*	20 17 50	143 8 15	95	01	...	D? 900	...	...	450,000	...	...	?	large	...	...	...
	Ditto	3.	20 14 30	143 7 25	before	98	...	779	...	...	...	...	...	?	large	...	...	...
	Ditto	4.*	20 9 35	143 5 35	"	98	...	779	...	...	...	...	...	?	large	...	...	...
	Ditto	5. Hazlewood Creek*	20 19 30	143 15 40	...	10-00	...	917	...	...	...	...	...	?	large	...	...	...
	Ditto	6. Pandanus Creek	20 13 40	143 12 50	...	? 2-01	...	771	...	...	...	...	...	?	large	...	...	...
	Ditto	7. Patience Creek	20 4 30	143 10 20	...	01	...	517	...	...	...	600,000	...	...	P good	...	...	...
	Ditto	8. Woolgar River Summerville, Crothers?	...	...	...	02	...	600	...	...	...	630,000	...	...	...	...	...	...
47	Burleigh Resumption	No. 10 Bore	20 15 20	142 53 20	6-2-01	11-00	...	? 800	...	...	1,200,000	...	...	?	P large	...	...	...
	Ditto	Bylong (Nelson's)	20 21 ...	142 50 ...	? 01	1-3-01	...	870	...	...	...	...	...	...	...	...	...	...
	Ditto	G. F. 917 (Ranken's)	...	...	02	12-02	...	? 800	...	...	...	...	...	...	...	...	...	...
48	Burrabilla or Cunnabilla Run	1. Station	28 15 10	145 49 25	31-1-98	3-92	...	1,811	...	124	VR 3,000,000	R 214	...	...	...	...	...	...
	Ditto	2. North-west	28 8 50	145 43 10	...	8-98	...	1,905	...	? 120	R 3,000,000	...	...	...	...	...	...	...
	Ditto	3. North-east	28 10 10	145 51 10	...	11-99	...	1,837	...	118	VR 3,250,000	...	...	...	...	...	...	51
49	Burrandilla Run	Saltbush	26 15 ...	145 46 ...	...	P 6-07	...	? 1,900	...	...	R 1,000,000	...	...	...	...	...	...	...
	Byrmine Run	1.	20 6 ...	141 1 ...	? 7-98	9-01	...	1,400	...	...	?	50,000	...	...	...	...	...	...
50	Ditto	2.	...	...	11-01	5-02	...	1,330	...	...	10,000	...	...	...	...	...	...	...
	Ditto	3. (abandoned)	...	...	5-02	11-02	...	1,300	no water	...	2,000	...	...	...	...	...	...	...
	Ditto	4.	...	...	...	10-10-03	...	1,300	...	...	1,000	...	...	...	...	...	...	...
	Ditto	5.	...	...	...	21-1-04	...	1,550	no water	...	...	...	...	...	...	...	...	...
51	Caiwarra Run	1. Bylang	28 56 30	144 49 30	...	6-91	...	1,872	...	110	25,000	...	...	...	...	...	...	48
	Ditto	2. Guilford	28 36 40	144 55 40	...	7-91	...	768	...	110	480,000	...	...	...	...	...	...	49
52	Caithness, G.F.	1. Wick	21 7 35	144 6 50	4-98	11-98	990	2,250	c?	...	50,000	...	...	...	...	...	...	...
	Ditto	2. Watten	21 0 25	144 8 55	7-1-99	6-01	...	D 2,305	2,300	...	180,000	...	...	...	...	...	...	...
	Ditto	3. Reay	21 3 5	144 11 0	12-00	12-01	...	2,340	...	...	200,000	...	...	...	...	...	...	...
53	Caledonia and Hartington Runs	Hartington Bore	22 13 15	144 48 20	...	88	780	190	90	99	50,575	12½ to 16½	...	...	...	1,330	157	...
	Ditto	1. Slasher's Creek*	22 1 10	145 7 10	8-92	21-4-93	805	765	6	762	...	...	...	...	...	...	158	...
	Ditto	2A. (abandoned)*	22 5 45	145 3 20	26-4-93	29-5-93	454	755	a	910	...	...	...	...	...	...	159	...
	Ditto	2B. Woolshed*	22 5 45	145 3 20	6-96	12-98	964	755	a	910	200,000	...	...	...	...	...	...	...
	Ditto	3. Lothairs	22 5 45	145 3 20	99	99	1,540	...	1,100	...	...	...	...	...	...	...	...	...
	Ditto	4. Endymion	...	...	...	00	1,120	...	...	...	...	...	...	...	...	...	...	...
Ditto	5. Talisker, No. 2	00	1,200	
Ditto	ditto	01	970	300,000	

TABLE OF BORES — continued.

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					Commencement of Work.	Completion of Work.					Continuous Daily Flow in Gallons when uncontrolled.	Static Pressures in Lb. per Square Inch at Surface.	Maximum Potential Horse Power.	Depth of Water Level below Surface, in Feet.	Volume Pumped or Available Daily, in Gallons.	Grade of Supply, Daily Gallons per Foot.	Section of Strata, &c.	Chemical Analysis.	
1	Darr River Downs R.	1. Nine-mile	22° 54' 20"	144° 5' 10"	6	7	740	D 3,600	b ?	...	11	12	13	14	15	16	17	18	19
	Ditto	2. Fairlie*	22 43 40	143 57 15	23-12-88	3-99	755	D 3,890	c	...	...	70,000	...	...	...	...	...	6	...
	Ditto	3. Muttaborra Road	22 37 5	143 51 30	1-11-89	5-01	845	3,650	c	170	...	220,000	...	...	...	...	4,330	7	...
	Ditto	4. Overnewton	22 49 20	143 49 0	1-90	8-91	802	4,006	b	175	...	285,580	24	1-26	...	...	1,370	8	6
	Ditto	5. Twenty-mile	22 38 50	143 46 30	2-92	28-3-94	745	?	a	...	...	148,640	34	0-77	...	...	...	9	...
	Ditto	6. Breedon	23 0 35	143 56 15	...	94	750	900	a	warm	...	...	...	...	...	...	...	10	...
	Evesham Run	1. Greysteel, Lucas, junr.	23 3 20	143 41 30	...	08	...	1,030	a	...	...	...	...	...	168	...	...	...	...
	Ditto Resumpt.	...	...	...	...	08	...	? 305	...	...	...	...	...	...	?	...	...	...	...
	Davenport Run	Station	24 10	141 10	02	2-03	...	? 1,600	...	...	...	R 3,500,000	...	...	...	...	...	...	...
	Ditto	?	...	...	...	08	...	...	...	...	...	...	...	...	...	...	...	...	...
94	Delta Run	Delta*	23 38 40	145 31 10	...	9-93	...	1,340	b	108	...	306,800	7 to 8	0-62	...	...	5,000	...	...
	Dillalah Run	1. Hythe*	26 38 40	145 55 50	...	9-94	...	D 1,917	a	120	...	1,700,000	...	...	...	...	...	...	73
	Ditto	2. Looden	26 35 25	145 39 30	4-92	7-93	...	2,900	a	132	...	1,207,330	...	...	...	...	...	...	7
	Ditto	3. Hythe	26 37 15	145 59 35	26-9-93	4-1-94	...	1,990	a	120	...	958,060	...	...	...	...	...	...	70
96	Donors Hill Run	Station	18 43	140 38	17-3-02	10-1-03	...	2,256	...	...	...	8,000	...	...	...	...	...	...	...
	Duaringa C. R'way*	1. } Sunk by Queensland	23 43	149 41	18-11-01	15-2-02	...	1,222	...	...	...	no water	...	...	...	...	...	...	...
	Ditto	2. } Anthracite Coal Co.	...	...	24-3-02	18-10-02	...	1,300	...	...	...	no water	...	...	...	...	...	...	...
98	Durham Downs and Tonko Runs	1. Wareena Creek*	27 8 0	142 11 30	?	S 92	...	2,968	a	140	...	9,600	60	...	50	SP good	...	...	...
	Ditto	2. Cook's Well	26 44 0	141 31 20	be ore	96	...	250	...	...	...	...	...	...	...	...	...	...	...
	Dynevor Downs Run	1. Wirrahah* (ab'd)	28 12 30	144 26 50	...	30-6-92	...	30	a	80	...	28,000	13	...	...	...	...	...	...
	Ditto	2. Oolman*	28 8 25	144 30 35	...	31-12-92	...	211	a	140	...	...	...	...	...	...	...	...	...
	Ditto	3. Cainawarra* (ab'd)	28 14 30	144 23 30	...	28-2-93	...	158	a	...	...	...	...	...	...	...	...	...	...
	Ditto	4. Cainawarra*	28 14 30	144 23 30	...	30-4-93	...	156	a	80	...	23,000	6½	...	...	...	...	...	...
	Ditto	5. Wirrahah* (ab'd)	28 12 30	144 26 50	...	31-5-93	...	40	a	...	...	...	...	...	...	...	...	...	...
	Eddington, Julia Ck., and Leilavale Runs*	A. Julia Creek	20 42 0	141 49 0	...	8-91	...	300	no records	cool	...	152	mil	...	at surf.	20,000	4,000	69	...
	Ditto	B. ditto	20 42 10	141 49 0	...	8-91	...	30	records	cool	...	...	...	...	...	10,000	2,000	...	...
	Ditto	C. Pidgeon Creek	20 26 10	141 44 30	...	9-91	...	140	...	...	...	1,487	2	...	...	...	...	...	216
	Ditto	1. Woolshed	20 38 0	141 35 50	4-98	18-6-98	...	1,163	a	126	...	703,200	...	...	...	...	...	...	174
	Ditto	2. Alma	20 46 15	141 30 50	6-98	8-98	...	1,099	a	128	...	330,200	...	...	...	...	...	...	217
	Ditto	3. Camarooka	20 47 10	141 45 45	...	22-10-98	...	1,279	a	128	...	454,000	...	...	...	...	...	...	218
	Ditto	4. Horse Creek	20 37 0	141 50 0	...	10-12-98	...	1,400	a	112	...	890,600	...	...	...	...	...	...	...
	Ditto	5. Holy Joe	20 52 30	141 18 10	2-98	5-99	...	1,106	a	109	...	416,500	...	...	...	...	...	...	...
	Ditto	6. Box Creek	20 47 30	141 16 0	...	99	...	1,155	a	122	...	629,200	...	...	...	...	...	...	...
	Ditto	7. Gidya Creek	20 44 30	141 24 20	...	99	...	964	a	122	...	729,400	...	...	...	...	...	...	...
	Ditto	8. Peru	20 45 15	141 55 15	...	99	...	1,020	a	120	...	454,500	...	...	...	...	...	...	...
	Ditto	9. Clachlond	20 42 50	141 38 30	...	?	...	1,192	a	128	...	230,000	...	...	...	...	...	...	...
	Ditto	10. Sannox	20 41 40	141 29 25	9-00	1-01	...	986	a	120	...	416,500	...	...	...	...	...	...	...
	Ditto	11. Liliavale	...	...	9-05	4-11-05	...	1,054	a	119	...	...	...	...	...	...	...	...	...
	Eddington Resumpt.	Kamarooka G. F. 990*	20 52 50	141 35 25	...	00	...	1,388	a	128	...	125,000	...	...	...	...	...	...	...
	Ditto	Powne's Selection 6c	21 7	141 28	11-05	23-12-05	...	979	a	133	...	200,000
	Ditto	Hueloa G. F. 845	20 57	141 32	...	04	...	1,380	a	400,000

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					Commencement of Work.	Completion of Work.					Continuous Daily Flow in Gallons when uncontrolled.	Static Pressures in Lb. per Square Inch at Surface.	Maximum Potential Horse Power.	Depth of Water Level below Surface, in Feet.	Volume Pumped or Available Daily, in Gallons.	Grade of Supply, Daily Gallons per Foot.	Section of Strata, &c.	Chemical Analysis.		
1	Fort Constantine R.	1. Alice* 2. Williams (May Day)* 3A. Elder* 3B. do.* 4 and 5. Elder* (ab'n'd) 6. Dam (abandoned) 7. Gypsey's Ck. (ditto) 8. Kennedy's Yard* 9. Boundary* 10. Canal Creek 11. Gypsey Plains 12. Williams, No. 2 13. Eliza	20° 34' 20 43 20 51 20 51 20 51 20 22 20 33 20 16 20 38 20 18 20 37 20 28	140° 54' 140 59 140 51 140 51 140 47 140 50 140 59 140 53 140 54 140 50 140 58 140 56	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
	Ditto					8-93 5-94	465 475	665 940 {240 165 212	c c a	103 106 89 89	111,620 157,400 26,400 7,380	26 35½ to 81 3½ to 7	189	...	...	...	842 461	73 74 75	60 59
112	Ditto					6-94	580	185 300 583 1,020 642 300 804 1,029	b b	...	...	...	6½ to 35½	0-34	15 to 20	abundant	...	...	61
	Ditto					10-94 19-4-95 8-95 12-95 10-00	465 440 395 400	499 500 850 500 780 400 480		...	...	...	...	...	27	P	...	...	204
113	Glendower & Hughen- Ditto (den Run) Ditto	1. Blantyre* 2. Prairie Creek 3. Emu Creek	20 42 20 46 20 41	144 45 144 36 144 26		00 01	...	675 1,010 455	a	...	...	...	...	...	207 80 ? 300	64,800 P brackish	...	...	...
114	Glendower Resumpt. Ditto Ditto Ditto Ditto Ditto	Penrice G.F. 899 do. Ferguson's G.F. 878 Chisholm's G.F. Laural Vale (G.F. ? 820) Warrice Railway Siding Woodbine (Savage)	20 52 20 48 20 49 ...	144 44 144 41 144 36 ...		00 12-00 3-01 01 01 06 00	...	499 500 850 500 780 400 480	a	...	...	...	...	...	180 160 ? 370 ? 300 300	1,600 P 10,000 SP 38,400 SP 5,000 P 2,500	...	...	...
115	Glenormiston Run	Glenormiston	23 0	138 44		95	...	1,990	b	...	...	...	...	...	80	P 1,600	...	...	...
116	Granada Run Ditto	1. Jackey's Creek (ab'd) 2. Island (abandoned)	20 3 19 54	140 27 140 31		6-97 9-97	...	660 1,350		...	...	...	...	...	4 20 41	good salty	...	...	...
117	Greendale Resumpt.	Jillett Bros.	24 52	146 8	30	07	...	3,671		...	...	...	...	...	125	...	...	...	...
118	Greenmount Station Ditto Greenmount Town	(three bores)* (other bores) Cheese Factory	27 47 ...	152 ...		before 05 9-07	...	? 330 ? 35	
119	Gregory Downs Run	Lawn Hills (a well)	18 40	138 40		01	...	72	a	...	...	...	...	...	?	...	...	...	...
120	Hamilton Downs Run Ditto	1. Clio 2. Campsie*	21 32 21 24	142 17 142 17	0 50	4-95 1-00	...	3,301 3,457	c	160 168	1,400,000 940,000	255
121	Ditto Resumption	Belford G.F. 561*	21 16	142 22	0	7-98	...	2,200	a
122	Hamlet Downs Ditto Ditto Ditto	A, B, C (trials ab'd) 1. Geera (Hannay's)* 2. 3. 4.	23 33 ...	145 30 ...	0 ...	16-3-98 2-03 6-03 8-03	...	1,060 1,170 1,050 1,030	b	102½	438,200 350,000 350,000	12	0-90	6,500

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					Commencement of Work.	Completion of Work.					Continuous Daily Flow in Gallons when uncontrolled.	Static Pressures in Lb., per Square Inch at Surface.	Max.imum Potential Horse Power.	Depth of Water Level below Surface, in Feet.	Volume Pumped or Available Daily, in Gallons.	Grade of Supply, Daily Gallons per Foot.	Section of Strata, &c.	Chemical Analysis.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
149	Llanrhaidol Run Ditto Ditto	1. Woolscour* 2. <i>Acacia</i> 3. <i>Derris</i> No. 1*	22° 14' 22 8 0	141° 34' 141 22 35	6-88 6-96	12-92 3-4-97 1-6-07	...	2,241 3,085 1,709	a 2,140 1,700 c 1,709	155 ? 145 120	V 614,930 ... 240,000	41 ...	3.11 ...	106	SP 72,000	6,230	78	11	
150	Logie Plains Ditto	1. Haystack Plains 2. Tuckerang	26 35 57 26 35 26	150 56 44 151 0 38	14-8-05 23-10-05	2-9-05 18-11-05	124 105	...	...	...	...	...	...	?	P 8,160 P 6,720	...	...	...	...
151	Longreach Envoirs Ditto	Whitehill (White's) Clevee (Telford's)	23 26	144 24	...	5-07 12-06	?	60 154	a 60 a 140	...	...	...	...	?	P ? 75	...	...	...	...
152	Lucknow Run Ditto Ditto Ditto	1. Lucknow No. 2* do. 3. Locharoch No. 4 4.	22 43 23 19 30 22 58	141 3 140 45 30 140 51	30-8-95 20-11-99	? 6-00 P 08 4-08	? 1,188 ? 1,480 1,250 1,300	a 1,100 b 1,445 deepening 1,300	121	? 525,110 250,000 250,000 good flow	17½	...	0.89	...	...	15,000	12	10	
153	Mackay Ditto	Gasworks* Fairleigh S. Mill*	21 10	149 15	? 92 ? 06	? 92 6-06	32 58	a ... 58	...	...	...	...	...	? about 23	P 300,000 large	30,000	...	...	...
154	Malvern Hills Run	Gowan*	24 32 30	144 54 55	1-7-90	10-5-94	3,942	c 3,500	...	...	...	...	...	58	...	...	...	199	63.
155	Manfred Downs Run Ditto Ditto Ditto Ditto Ditto Ditto Ditto Ditto Ditto Ditto Ditto Ditto Ditto Ditto	1. Windmill* 2. The Springs* 3. Stud Paddock* 4. Ruthven* 5A. Black Gin* 6. Garden* 7. Boonoke* 10A. Plugged Bore* 11. Pennsylvania 12. Binnum 13. Whitewood* 14. Brie-brie 17. Woolsh'd (<i>ab'n'd</i>) 18. Baubina (<i>Sundry ab'n'd trials</i>) 19. Burke's Point 20. The Duffer No. 1* do. No. 2* 21. Blue Lagoon 22. Prickly Bush	20 14 50 20 19 25 20 19 45 20 14 50 20 14 5 20 11 30 20 15 10 20 13 40 20 14 40 20 11 35 20 22 35 20 26 0 20 29 10 20 9 20 20 15 35	141 44 35 141 45 0 141 45 30 141 44 40 141 46 35 141 42 25 141 44 35 141 46 30 141 44 35 141 40 10 141 49 0 141 51 15 141 54 50 141 44 25 141 44 20	88 6-99 84 89 86 84 84 90 87 89 7-89 9-89 9-89 8-90 8-90 91 11-91 ... 7-4-99 27-5-99 24-6-99 30-9-99 12-8-99 30-11-99	433 680 200 420 438 130 128 212 203 86 438 210 678 760 476 460 405 690 1,100 1,036 700 650 1,008 835	several a ... 10 ? 50 b 80 a 170 b 203 several a ... 638 b 675 b 602 b 830 b 655 dry a 670	87 ... 81 98 ... 94 84 ... 100 109 100 115 112 112	500 small flow 2,000 ? 2,000 ? 500 ? 1,000 500 ? 300 34,370 180,300 80,830 113,600 26,600 900,000 small flow small flow 1,300,000 2,200,000	2 nil 0 to 40 0 to 5½ ... 5 0 to 9½ 6 to 34 12 to 66 13 to 17 ... 49 to 70½ 11 to 24½ ...	...	...	...	...	W 100 W 3,300 small small small ... 529 5,000 ... 164	...	...	...	...
	156	Manfred Downs Re- Ditto	Quarrell's* (8b) Lara do. * (9)	20 2 20 20 10 35	141 32 55 141 37 0	...	1-88 (<i>ab'n'd</i>) 98	98 288	several c 95	86	? 5,000 ...	11 to 24½ ...	...	...	...	... salt	...	82	65
	157	Manfred Downs Re- Ditto	Oxton Downs* (15) [Katnock (16)] " [Proa]	20 33 10 20 38 5	141 55 40 141 59 40	8-90 8-91	1-91 9-91	1,076 890	c 1,060 a 853	129	99,100 69,150	109 to 140 41 to 76	2.93 0.92	...	...	...	184	7	66

TABLE OF BORES—continued.

Reference No.	Locality, Run, Parish, Town, or District.	Local Name of Bore. (Other Particulars in Italic.)	Latitude South.	Longitude East.	DATES.		Surface of Ground above Mean Sea Level, in Feet.	Total Depth of Bore, in Feet.	Depth to Principal Water Bed, Feet below Surface.	Temperature of Water, Fahrenheit Degrees.	ARTESIAN.			SUR-ARTESIAN.		REFERENCE TO—		
					Commencement of Work.	Completion of Work.					Continuous Daily Flow in Gallons when uncontrolled.	Static Pressures in lb. per Square Inch at Surface.	Maximum Potential Horse Power.	Depth of Water Level below Surface, in Feet.	Volume Pumped or Available Daily, in Gallons.	Grade of Supply, Daily Gallons per Foot.	Section of Strata, Analyses, &c.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
166	Minnie Downs	Fourteen Miles*	24° 59' 20"	146° 2' 20"	11-5-99	30-4-02	...	4,040.	c	...	...	...	...	110	SP 200,000	...	...	...
167	Mona Run	1. Dunbar*	28 11 0	147 37 50	3-94	8-94	570	2,476	2,300	124	230,000	...	...	...	...	2,580	...	13
	Ditto	2. Whitaby*	28 5 14	147 46 0	4-6-96	2-97	...	2,800	2,400	132	1,000,000	...	...	...	...	...	...	...
	Ditto	3. Randwick*	27 52 2	147 43 10	7-99	6-00	...	2,778	b 2,600	133	1,500,000	...	...	...	...	...	...	...
168	Moreton Downs	1. Rocklands No. 1*	19 34 ...	138 35 ...	5-06	23-6-06	...	309	b 309	...	...	...	...	97	P 43,200	...	...	...
	Ditto	2. (abandoned)*	...	...	...	13-10-06	...	509	...	...	...	...	...	...	3,000	...	...	...
	Ditto	3. (abandoned)*	...	...	...	5-1-07	...	300	...	...	...	...	...	...	2,500	...	...	...
169	Moreton District	Beaudesert (abandoned)*	...	...	...	?	90	140	...	...	...	...	...	80	good	...	...	...
170	Mount Abundance	A. ...	...	...	before	94	...	417	b 417	...	...	...	...	50	...	...	...	...
	Ditto	B. ...	...	...	...	...	...	319	b 319	...	...	...	...	40	...	...	...	...
	Ditto	1. F. H. Block III2	26 37 ...	148 36 ...	...	...	...	1,632	...	...	...	...	...	...	...	...	...	...
171	Mount Cornish	1. Dotswood*	22 13 10	144 33 30	...	P ... 08	...	3,800	...	...	...	...	...	...	large	...	...	...
	Ditto	2. Table Derry*	...	...	...	30-11-92	...	2,320	...	129	400,000	...	...	...	...	...	...	...
	Ditto	3. Acacia	...	...	...	4-6-07	...	3,219	...	hot	420,000	...	...	...	...	...	...	...
172	Mount Enniskillen and Birkhead Runs	A. Cattle Creek*	24 37 30	145 58 30	24-11-91	27-11-91	1,135	40	a 30	75	1,158	3 to 4	...	...	...	110	...	...
	Ditto	B. Birkhead Station*	24 32 20	146 22 20	...	...	...	90	...	...	...	...	...	42	P	...	...	...
	Ditto	C. Sandy Creek (ab'd.)*	24 31 55	146 24 15	...	...	...	?	...	...	...	...	...	...	...	...	...	...
	Ditto	D. Sawmill*	24 31 40	146 25 45	90	to 91	...	90	...	...	...	...	...	...	...	1,000 small	...	...
	Ditto	E. (abandoned)*	24 31 40	146 31 50	...	...	...	?	...	...	...	...	...	...	...	...	...	...
	Ditto	F. Ten-mile*	24 32 25	146 34 30	...	...	...	?	...	...	...	...	...	...	...	...	...	...
	Ditto	G. H. (abandoned)*	24 40 30	146 41 40	6-95	8-95	...	65	...	...	...	...	...	...	...	...	...	...
	Ditto	I. (abandoned)*	24 32 50	146 17 15	29-6-98	06	1,355	3,095	...	...	...	...	...	...	57	...	...	...
	Ditto	1. Macfarlane*	24 48 50	145 57 35	24-7-06	25-3-07	...	1,742	...	...	...	...	...	...	...	...	...	...
	Ditto	2. Racecourse	...	...	...	before 00	...	?	100	?	...	...	...	...	...	...	...	...
173	Mount Howitt Run...	1. Six-mile Creek	26 35 30	142 16 0	...	...	...	60	dry	136	172,000	...	...	...	...	...	...	256
174	Mount Morris Run...	Currajong	25 56 0	145 39 0	1-9-00	26-1-01	...	2,353	...	...	...	...	...	...	...	...	...	...
175	Mount Russell Estate	J. Blades	...	...	04	2-04	...	150	a 150	...	...	...	...	?	P good	...	...	...
	Ditto	J. Tyson (abandoned)	...	...	before	00	...	300	dry	...	...	...	...	...	...	...	...	...
	Gowrie Environs	(other shallow bores)	...	...	...	06	...	38	a 38	...	...	...	...	...	P 24,000 good	...	...	...
176	Mulga Downs Run	1. East*	28 48 25	146 55 10	...	3-96	...	1,896	...	?	1,000,000	...	...	...	...	...	...	91
	Ditto	2. West	28 48 30	147 7 15	...	12-96	...	2,300	...	...	211,000	...	...	...	...	...	...	...
177	Murra Murra Run	Beinber	28 16 15	146 48 25	...	6-8-93	...	1,819	...	126	1,339,020	very high	...	...	...	...	...	...

TABLE OF BORES—continued.

Reference No.	Locality, Run, Parish, Town, or District.	Local Name of Bore. (Other Particulars in Italic.)	Latitude South.	Longitude East.	DATES.		Surface of Ground above Mean Sea Level, in Feet.	Total Depth of Bore, in Feet.	Depth to Principal Water Bed, Feet below Surface.	Temperature of Water, Fahrenheit Degrees.	ARTESIAN.			SUB-ARTESIAN.			REFERENCE TO—		
					Commencement of Work.	Completion of Work.					Continuous Daily Flow in Gallons when uncontrolled.	Static Pressures in Lb., per Square Inch at Surface.	Maximum Potential Horse Power.	Depth of Water Level below Surface, in Feet.	Volume Pumped or Available Daily, in Gallons.	Grade of Supply, Daily Gallons per Foot.	Section of Strata, Analysis, &c.	Chemical Analysis.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
178	Murweh Run Ditto Ditto Ditto Ditto	1. Pericoota* 2. Toorumbury* 3. Warrego* 4. Neville Forest* 5. Cheverel	27° 8' 30" 26 59 10 26 59 30 27 1 30 27 1 30	146° 20' 30" 146 24 0 145 49 0 146 9 50 146 9 50	...	21-2-94 17-3-91 15-10-93 13-7-94 4-07	...	1,800 1,120 1,670 1,760 1,794	no record	115 106 119 112 115	1,615,600 277,280 296,300 784,150 R 3,500,000	...	...	...	...	...	...	...	111 112 113 114
179	Murweh Resumption Ditto Ditto	G.F. 3v (Rutherford's) Wheatleigh G.F. 294* Springfield G.F. 36	26 53 50 26 57 20 26 57	146 10 50 146 15 20 146 5	99 99 ?	99 99 05	...	2,198 1,938 1,900	c 2,198 c 1,938	...	1,500,000 1,500,000 880,000	...	...	...	...	...	...	...	...
180	Muttaburra District Ditto Ditto Ditto Ditto Ditto Ditto	Brookwood (Brookes) Ambo G.F. 94 Weewoodilla G.F. 54 Crossmoor G.F. 1007 Tuaburra (Parnell)	22 32 22 45 30 22 42 22 52 30 22 52	144 20 144 20 40 144 22 30 144 42 30 144 54	95 97	4-95 2-99 12-03 11-06 05	3,065 2,780 3,060 2,600 2,455	...	160	...	800,000 350,000 90,000 500,000 350,000	...	...	...	...	...	...	...	180
181	Nanango District	Coolabunia	...	...	...	4-99	...	193	a 179	...	...	...	...	168	...	...	...	...	...
182	Neila Ponds Run Ditto Ditto	1. Pond No. 3 2. ditto 3. ditto	20 55 10 20 43 55 20 50 10	142 8 30 142 3 50 142 7 0	99 99 9-00	8-99 12-99 11-00	1,100 1,300 1,328	...	120 121 125	1,500,000 1,100,000 200,000	...	...	...	...	...	...	...	...	...
183	Nive Downs Run Ditto Ditto Ditto	1. Ovens* 2. Ironbarks* 3. Pinfire* 4. Pelorine G.H. 397	25 23 40 25 24 30 25 28 10 25 38 10	146 17 0 146 27 0 146 19 45 146 15 40	22-9-90 1-1-93 5-10-98 25-1-99	18-1-92 5-9-94 99 21-4-99	1,485 1,490 1,385	2,755 3,710 D 2,602 1,489	b 1,230 c 2,500 e 1,350	...	...	...	...	44 68	24,000 50,000	...	144 145 146 147		
184	Noondoo and Bullamon Runs	1. Narine 2. Dareel	28 40 30	148 40	96 11-97	11-97 7-99	...	3,098 3,586	...	120	1,000,000 V 1,319,760	...	...	...	...	...	...	...	...
185	Noorama Run Ditto	1. 10-Mile 2. Homestead	28 35 25 28 42 15	146 11 20 146 14 30	...	5-5-90 4-3-91	...	1,502 1,589	...	114 114	525,530 386,910	...	...	...	...	...	...	...	...
186	Noorama Resumption Ditto Ditto	1. Yarra Yarra G.F. 324 2. Camden G.F. 26 3. Clover G.F. 86 (Barry's)	28 27 40 28 30 15 28 21	146 13 50 146 2 20 146 2	...	10-12-92 3-99 15-1-06	...	1,768 1,632 1,779	...	112 ? 115	VR 2,000,000 V 1,500,000 V 2,500,000	R 200	...	...	...	R 12,500	...	...	...
187	Noorindoo Run Ditto	1. Boundary of Blocks 20 and 26 2. Portion B	27 15	149 15	3-01 2-03	04 2-4-04	...	3,300 3,103	...	125 128	...	...	...	25	large	...	...	...	...
188	Normanton Town	Dalgonally Meat Works*	17 38 43	141 43 34	...	(ab'd) 94	sea level	100	...	...	500,000	56	...	...	...	...	...	...	...
189	Northampton Downs Ditto	1. Woolscour 2. Station*	24 30 10	145 47 0	11-89 2-6-02	1-6-94 4-10-02	1,075	D 1,813 2,657	c 1,803 e 2,344	1104 128	733,600 1,620,000	314 110	...	...	...	10,050	...	...	...
190	Oondooroo Run Ditto Ditto Ditto	1. Oondooroo 2. Station 3. (on highest ground) 4.	21 58 30	143 12 0	1-00 05 06 06 P	1-4-01 05 06 06	...	3,800 ? 90 350 144	a 90 a 350 a 144	190 ...	R 750,000 ...	...	...	?	good P 4,000	...	...	...	...

TABLE OF BORES—continued.

Reference No.	Locality, Run, Parish, Town, or District.	Local Name of Bore, (Other Particulars in <i>italics</i> .)	Latitude South.	Longitude East.	DATES.		Surface of Ground above Mean Sea Level, in Feet.	Total Depth of Bore, in Feet.	Depth to Principal Water Bed, below Surface.	Temperature of Water, Fahrenheit Degrees.	ARTESIAN.			SUB-ARTESIAN.		REFERENCE TO—			
					Commencement of Work.	Completion of Work.					Continuous Daily Flow in Gallons when uncontrolled.	Static Pressures in Lb. per Square Inch at Surface.	Maxi-mum Potential Horse Power.	Depth of Water Level below Surface, in Feet.	Volume Pumped or Available Daily, in Gallons.	Grade of Supply, Daily Gallons per Foot.	Section of Strata, &c.	Chemical Analysis.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
209	Saxhy Downs Resump.	1. Trivalor G.F. 815	20° 16' 0"	142° 34' 25"	00	00	...	800	...	...	600,000	...	...	...	...	...	...	...
	Ditto	2. " "	20 11 30	142 43 15	...	...	...	900	...	...	700,000	...	...	...	...	...	...	...
	Ditto	C. A. Bennett's	20 13 20	142 47 40	01	...	...	690	...	...	800,000	...	...	...	...	...	...	...
	210	Sesbania Run	1. Cooma*	21 24 30	143 16 40	3-96	...	848	2,702	a 2,300	? 150	200,000	?	6 large
			2. * "	21 33 40	143 15 50	19-9-98	...	852	D 3,252	...	? 170
3. * "			21 36 30	142 56 0	4-99	...	679	2,941	b 2,900	...	? 150	1,000,000
4. * "			21 40 30	142 48 20	1-00	...	747	3,103	b 2,630	...	? 180	1,000,000
211	Springvale (Boulia)	1. Prairie Creek	23 32 ..	140 29 ..	25-4-99	...	900	2,740	...	...	750,000	...	...	...	...	...	...	...
		2. Ida Creek	23 42 0	140 39 30	00	...	...	1,400	...	...	...	1,500,000	...	...	...	...	...	...
		3. Drinan's Gorge No. 1	23 31 0	140 42 0	...	...	...	1,375	2,132	...	...	1,500,000	...	...	...	...	...	...
		4. Eton Vale No. 3	23 45 0	140 25 0	...	...	...	1,342	...	...	...	1,050,000	...	...	...	...	...	...
212	St. George District	Cawildi (Narlene G.F.)	28 25 ..	148 9 ..	07	...	...	2,740	...	...	50,000	...	...	...	...	...	...	...
		Myall Plains, Por. 7	28 12 50	148 38 45	08	...	...	...	2,132	...	...	no water	...	...	...	...	...	...
213	Talgai West	Talgai*	...	...	?	...	...	115	c 115	...	...	...	...	...	...	...	...	...
		Other shallow bores	...	...	?	...	...	...	?	...	...	...	...	...	...	...	...	...
214	Tallwood Resumption	Yarrandine (Donelly)	28 15 ..	149 21 ..	07	...	...	2,300	no water	...	...	...	...	...	...	...	...	...
215	Tambo Run	1. Mailhouse or 9-mile	24 56 35	146 23 30	12-90	...	1,360	1,910	b 1,870	105	29,780	8 to 11	...	...	...	1,200	...	...
		2. Washpool or 4-mile	24 56 25	146 19 50	9-91	...	1,395	2,670	b 2,500	114	66,770	5½ to 6½	...	...	...	4,300	...	...
		3. Mount Pleasant*	24 51 0	146 23 50	5-94	...	1,470	2,010	b 1,800	SP large	good
216	Tamworth Run	Tamworth*	21 7 20	143 40 30	96	...	...	2,323	...	...	280,000	...	...	...	...	...	...	...
217	Tanngorin District	Antrim G.F. 176*	21 39 ..	144 19 ..	10-95	...	...	D 2,250	...	...	400,000	...	...	...	...	...	...	...
218	Tara Grazing Farms	1. Glenelg G.F. 3v*	23 36 35	145 3 40	24-4-94	...	950	D 2,847	b 1,750	...	...	...	...	...	...	...	...	...
		2. Somerton G.F. 7v**	23 36 0	144 54 10	5-8-93	...	955	2,933	c 2,870	149	...	...	...	...	...	...	...	...
		3. Brighton G.F. 4v*	23 34 10	144 48 10	23-4-92	...	915	? 2,213	c 2,125	134½	...	...	...	...	...	...	...	...
		4. G.F. 3v	23 37 0	145 7 0	06	...	...	3,000	...	...	...	750,000	...	...	...	...	...	...
		5. G.F. 11v	23 39 0	145 4 0	07	...	...	2,800	...	...	...	...	...	...	...	...	...	...
219	Tarbrax Run	Nelia	21 16 10	142 42 25	10-93	...	...	1,833	...	150	R 1,500,000	...	...	...	...	...	...	...
220	Telemon Run	1. Woolshed*	20 43 40	143 45 30	93	...	880	D 840	500	94½	293,700	15½ to 24	1-93	...	...	565	106	77
		2. Whiteford*	20 42 10	143 53 45	2-95	...	910	553	no record	92	427,000	...	...	...	...	...	107	78
		3. Telemon*	20 46 20	143 44 15	12-96	...	950	D 1,205	1,020	104	453,600	22½ to 24½	1-75	...	...	7,960	108	79
		4. Sawpit*	20 38 40	143 41 30	12-96	...	885	975	720	103	865,400	38½ to 45½	5-77	...	...	8,400	193	129
		5. Southerness*	20 46 10	143 51 10	22-3-97	...	1,010	1,293	1,000	warm	...	...	...	...	...	...	...	...
		6. Ballia Hill*	20 37 30	143 43 40	4-98	...	...	989	...	? 110	...	R 1,000,000	...	...	good	...	...	194
		7. Portion 8*	20 45 15	143 53 0	6-99	...	...	1,036	...	105	...	300,000	...	...	...	...	...	109
220	Telemon Resumption	1. Sylvania G.F. 77*	20 48 35	143 56 25	6-95	...	976	D 1,237	? 900	97	202,460	6½ to 9½	...	...	...	10,120	109	
		2. Annandale G.F. 76*	20 48 40	143 48 40	8-95	...	940	1,195	1,000	104½	178,600	17 to 22½	...	...	...	3,720	110	

TABLE OF BORES—continued.

Reference No.	Locality, Run, Parish, Town, or District.	Local Name of Bore. (Other Particulars in Italics.)	Latitude South.	Longitude East.	DATES.		Surface of Ground above Mean Sea Level, in Feet.	Total Depth of Bore, in Feet.	Depth to Principal Water Bed, in Feet below Surface.	Temperature of Water, Fahrenheit Degrees.	ARTESIAN.			SUB-ARTESIAN.			REFERENCE TO—	
					Commencement of Work.	Completion of Work.					Continuous Daily Flow in Gallons when uncontrolled.	Static Pressures in lb. per Square Inch at Surface.	Max. Potential Horse Power.	Depth of Water Level below Surface, in Feet.	Volume Pumped or Available Daily, in Gallons.	Grade of Supply, Daily Gallons per Foot.	Section of Strata, Analysis, &c.	Chemical Analysis.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
245	Westland Run Ditto	1. Tocal or Woolscour* 2. Buffalo*	23° 58' 30" 24 2 0	143° 47' 0" 143 57 10	15-10-98 18-4-93	14-3-93 13-5-96	678 802	? 2,980 3,480	b 2,780 c 3,300	156 176½	15,200 37,600	34 to 62 42 to 80	0.67	...	...	? 200 130	...	74
246	Whitula Run Ditto	1. Gibber Creek (<i>ab'n'd</i>) 2. Talpy (<i>abandoned</i>)*	25 9 25 29	142 10 142 26	5-91 1-92	11-91 12-92	...	2,138 1,469	...	...	...	...	...	70	small	...	...	...
247	Widgeogara Ditto Ditto Ditto	1. Quambone East? 2. Balbon? 3. Quambone? 4. Quambone East?	28 31 10 28 31 40 28 32 40	146 26 25 146 20 30 146 23 35	15-5-88 ...	...	...	215 215 210 133	...	...	...	...	...	45 42	50,000 24,000 salt salt	...	...	G H
248	Winton North District Ditto Ditto Ditto Ditto Ditto	Cooinda G.F. 37 Vuna G.F. 154 Wyora G.F. 119 (<i>shallow bore</i>) Marsh's Selection	21 52 35 21 22 20 21 54 30	142 52 25 143 30 5 143 4 30	7-6-98 98 23-5-99 05 05 3-07	20-1-99 06 12-3-00 05 06 3-07	L 648 ...	3,298 2,590 3,650 200 250 300	c 3,250 ...	161	800,000 ...	...	...	large	...	...	...	...
249	Winton South District	Melrose (Magoffin's)	22 46 30	143 19 30	...	97	...	? 250	...	...	...	...	...	?	?	...	...	...
250	Wondoola Run	Jenny Downs No. 3*	19 7	140 56	9-6-02	25-10-02	...	1,521	a 1,390	...	37,700	...	...	...	...	...	...	...
251	Woolerina Run Ditto	1. Kulki 2. Gamma	28 27 40 28 27 55	147 17 35 147 35 50	...	13-3-94 5-96	...	2,482 2,908	2,000 2,500	129½ 138	V 1,395,190 V 1,760,310	...	...	...	...	...	104 105	165
252	Wyandra District	Rosevale G.F. 12	27 4 30	145 41 40	9-98	1-99	...	1,980	b 1,900	110	1,700,000	...	...	...	...	...	...	115
253	Yandilla Station Ditto	(A well)* G. R. Gore (<i>Other wells</i>)	27 50	151 20	before "	03 03	...	54 ...	a 54	...	...	...	...	?	SP 52,800 P large	...	...	...
254	Yarmouth Run* Ditto Resumption	Willis's* Cobbrum (M. Hayes)	27 33 40 27 31 30	146 15 10 146 26 0	1-96 before	5-96 00	707	1,783 1,670	1,633	119	2,709,990 R 3,500,000	...	...	...	...	...	43	...
255	Yarrowonga Run	Ada?	26 21 30	146 36	...	6-98	...	3,000	...	...	...	...	...	?	SP large	...	...	...
256	Yarron Vale Run	Woodstock*	26 44 0	145 31 50	91	25-1-93	...	2,293	...	136	V 79,860	...	...	...	...	...	...	...
257	Yarrowmere Run	Lake Buchanan (<i>ab'n'd</i>)*	21 30 25	145 50 0	...	91	...	420	...	...	...	...	...	...	...	...	...	...
258	Yorkshire Downs	1. Julia Creek G.F. 989	20 56	142 1	07	11-07	...	1,433	e 1,249	...	1,460,000	...	...	...	...	...	...	...

NOTE.—This Table and the "Additional Notes" having reference thereto have been compiled from newspaper reports and other sources, and the information so obtained is believed to be practically correct; but the Hydraulic Engineer does not hold himself responsible for the accuracy of the data so obtained and given in the Table, save in respect of the bores sunk by his Department and those marked thus "J, B," which have been inspected and measured under his directions.

ADDITIONAL NOTES TO TABLE OF BORES.

TWELFTH ISSUE, 1908.

WATER SUPPLY DEPARTMENT BORES.

- A general account of each bore sunk by the Water Supply Department will be found in the Annual Report following its completion. Nos. I., II., IV., V., VI., VII., IX., X., XI., XII., XIV., XV., XVI., XVII., XVIII., XXI., and XXII. are either failures, abandoned, or disused. (See page 7, Report, 1897.)
- III. Bradley's Creek—Well and pump; supplies travelling stock.
- VIII. Blackall No. 1—Sold to Blackall Municipal Council for £1,250, on 1st April, 1900; part of the water rented by Banks Bros. for irrigation.
- XIII. Delta Cross Roads—The Kalgoolnah Shire Council pump from a well sunk alongside.
- XV. Jericho—Supplied 3,600 g. p. d. for local use, now abandoned.
- XIX. Barcardine Railway Station—Railway Department, caretaking; yield in December, 1887=175,000 g. p. d., temperature, 102° F., and head 40 feet; measured, 31st October, 1899.
- XX. Brixton—Formerly called Saltern Bore; still locally known as the "Twenty-Mile." Leased to Aramac Shire Council; yield in 1898=17,200 g. p. d.; head, 87 feet; inspected, 30th September, 1899.
- XXIII. Tambo—Sold to Tambo Shire Council for £500, on May, 1900. Two-thirds of the water escapes from the outer casing. Deepened by Shire Council in 1902; stated that bore was silted up to 850 feet below surface; former depth, 1,002 feet; flow 52,700 g. p. d.; pressure, 17 lb.; and temperature, 94° F.
- XXIV. Cunnamulla—Sold to Paroo Shire Council for £1,600, on 8th May, 1895; town reticulated in April, 1896. Deepened by Shire Council in 1901; former depth, 1,300 feet; temperature, 106° F.; flow, 540,000 g. p. d., and pressure 185 lb.
- XXV. Stewart's—No water; casing drawn; abandoned.
- XXVI. Laidley—Water unfit for domestic purposes; site reconveyed to private owners.
- XXVII. Clermont—Abandoned by contractors.
- XXVIII. Racecourse—Artesian water; former flow, 8,228 gallons per day; contains small quantities of carburetted hydrogen; unfit for domestic purposes; casing drawn and bore collapsed. Coal about 5 feet thick at 791 feet.
- XXIX. Charleville—Sold to Municipal Council for £1,500, on 14th August, 1895; town reticulated, June, 1896; inspected, 15th November, 1898; part of yield from a 3 inch outlet about 2,000,000 g. p. d.; former head, 230 feet, and temperature, 106° F.
- XXX. Winton—A water service has been leased to the Shire Council; town reticulated in 1899; water passes through a cooling coil.
- XXXI. Muckadilla—Completed to 3,262 feet in November, 1890; deepened from 3,262 to 3,762 feet in 1898; no further increase of flow; bottomed apparently primary rocks.
- XXXII. Sixty-Five Miles—Leased to John Forrest.
- XXXIII. North Rockhampton—Pump lost in bore; strata unpromising; abandoned.
- XXXIV. McKinlay—Water struck 22nd September, 1890; leased to McKinlay Shire Council. Outlet lowered 10 feet in August, 1896, with increased flow of about 30,000 g. p. d.
- XXXV. Thompson Watershed—Leased to Darling Downs and Western Land Company, Limited. Former flow, 20,000 g. p. d., and temperature 161° F. While flushing the bore a considerable quantity of free gas and dissolved gas under pressure escaped, and some solid light-brown drops of petroleum-wax were floating on the water (28th August, 1899). Outlet, 11 feet above surface.
- XXXVI. Thargomindah—Leased to Bulloo Shire Council; town reticulated in July, 1895. Electric light plant (three-wire system) installed with about 50 lamps to June, 1898. (See Report, 15th September, 1898.)
- XXXVII. Prairie—Steam-pumping plant; erected in August, 1897. Under the control of Dalrymple Shire Council.
- XXXVIII. Normantou—Although this water contains the largest proportion of solids amongst bores with good flow, and is distinctly saline, it is largely used for domestic and stock purposes. Flow has diminished, but no reliable data is to hand.
- XXXIX. Burketown—In charge of Police Department.
- XLI. Roma—Town water supply direct from No. 1 and 2 bores; reticulation carried out in 1902.
- No. 1 Bore—Great loss of water outside casing; flow, when first tapped=185,200 g. p. d.
- No. 2 Bore—Small flow of brackish water at 757 feet; supplies tapped=64,400 g. p. d. at 928 feet, 25,050 g. p. d. at 1,046 feet, 29,700 g. p. d. at 1,290 feet, 67,300 g. p. d. at 1,358 feet, and a very slight supply at 2,965 feet. Good illuminating gas was met between 3,683 and 3,709 feet, yielding about 44,625 cubic feet per diem in February, 1901, and increasing to 72,264 cubic feet per diem up to February, 1904; works for lighting town completed at the beginning of June, 1906; natural gas supply from bore ceased flowing 15th June, 1906. Eight seams of coal from 3 inches up to about 2 feet thick were passed between 1,992 and 2,409 feet below surface.
- XLII. Bando, Government—This bore is in the charge of the Lands Department. (See Report, 1898.)
- XLIII. Adavale—Police Department caretaking.
- XLIV. Wooroorooka—In charge of Police Department.
- XLVI. Dalby—Leased to Dalby Municipal Council on 1st July, 1904; four bathrooms erected.
- XLVII. Hungerford—Joint bores of New South Wales and Queensland Governments.
1. Met with salt water at 22 feet; entered into granite at 285.
 2. Entered into granite at 489 feet.

- XLIX. Windorah—Very small quantity of brackish water at 105 feet, unfit for domestic use; no other supply of water met with below 105 feet.
- L. Middleton—Met with about ten distinct water beds; flow increased considerably after completion of bore. (See Section No. 213.)
- LI. Westbrook—A well to 60 feet; no further supply obtained by boring.
- LII. Eromanga—1. Inflammable free gas rising, burns with a blue flame; water saline and gaseous.
- LIII. Bedourie No. 1—Met with drift sand; abandoned by contractor.
- LIV. Logie Plains—Water suitable for stock only.
- LV. Maida Hill—
1. A well to 85 feet, water rose 31 feet in well.
 - 5, 6. A well to 53 feet at each bore.
- LVI. Jandowae—4. A well to 102 feet.

RAILWAY DEPARTMENT BORES.

- i. Bores sunk by hand plant; depth limited by casing available; water brackish or salt.
- ii. Sunk by diamond drill for coal.
- iii. Flowing into a well below surface; supply used for Railway Station.
- iv. Stanwell—Sunk for coal; part of water escaping through sands of creek bed. Government Geologist's report, dated 13th January, 1898.
- v. Maria Creek—Sunk by Calyx drill for coal; met eruptive fire-damp, with an intermittent flow said to be produced by pneumo-dynamic or gas pressure, not by hydrostatic pressure.
- ix. Back Creek—No. 1 stopped flowing in about 1895; flow in 1887=72,000 g. p. d., and static head, 11 feet; bore 2 inches diameter only.
- xii. Dalby Cattle Yard—Diamond drill bore for coal. Government Geologist's report, dated 17th December, 1898.
- xiii. Mitchell—Flowing into a well at 20 feet below surface.

LOCAL GOVERNMENT BORES.

- xviii. Aramac, Nine-Mile—Flow and pressure falling off; required recasing; depth reported, 943 feet, and flow 56,000 g. p. d. in 1907.
- xix. Aramac—Town reticulated in December, 1897.
- xx. Ilfracombe—Great leakage between 6 and 8 inches casing; water flowing into a tank, thence into drains.
- xxi. Longreach—Former flow, 230,000 g. p. d. Again measured in November, 1900, pressure not taken. Reticulation of town completed in March, 1903. Pressure reported in 1907=92½ lb.
- xxii. Muttaborra—1st supply at 1,740 feet } about 250,000 g. p. d.
2nd supply at 2,480 feet } cased off.
3rd supply at 2,700 feet }
- Flow before bore being cased to bottom, 1,100,000 g. p. d. Reticulation of town completed in October, 1895.
- xxiii. Barcardine Town—Town reticulated, 1895; pressure greatly fallen off. Flow could not conveniently be measured (3rd November, 1899). Ash street bore deepened from 1,320 feet.
- xxv. to xxviii. Dalby District—Sub-artesian wells, sunk before 1898, from the Government Geologist's report, dated 17th December, 1898.
- Mount Halley—
1. Formation, blue rock nearly throughout.
 2. Formation, sandstone throughout.
- xxix. Wowra—Torren's Creek road; 20-foot well; McComa's pump at roadside.
- xxx. Hughenden—
- No. 1. Steam-pump test made; water occasionally pumped to September, 1904, but has not been utilised after that date.
 - No. 2. Steam-pumping plant and elevated tank erected for the reticulation of the town; works completed in September, 1904.
- xxxi. Richmond—Town reticulated in 1904.
- xxxiii. Thornleigh—Inspected 23rd October, 1902.
- xxxv. Morven—Bottomed primary rocks; has one of the best bore waters analysed; 3-h.p. steam pump erected. Sunk at cost of Shire Council and Railway Department.
- xxxvii. Blackall—Second supply at 2,084 feet; reticulation of town completed in February, 1905; water passes through a cooling coil.
- xxxviii. St. George—Government grant of half the cost; before the 5-inch perforated casing was inserted, the flow measured 613,000 g. p. d. Town reticulated in 1907.
- zli. Mitchell—Four sub-artesian supplies; eleven distinct flows observed at various depths; first flow at 560 feet; bands of coal at 930 feet.

PRIVATE BORES.

1. Aberfoyle Run—
 - A Eight sub-artesian supplies struck above the artesian bed; fills a lagoon; flowing at the rate of 5,000 g. p. d. below surface level.
 - B Well sunk to 81½ feet.
 - C First supply at 80 feet was artesian; casing corroded.
 - D Five separate supplies.
 - E Fills troughing below surface level; flowing at the rate of 4,320 g. p. d.
2. Adavale—From Mr. Jack's table, 1894.

3. Afton Downs—
 1. Original depth, 1,497 feet on 13th June, 1892; first supply at 1,215 feet. Deepened to increase flow, 27th July, 1892; second supply at 1,560 feet; flow in April, 1897=184,400 g. p. d.; head, 20 feet.
 2. Original depth, 844 feet, 27th July, 1892; first supply at 672 feet. Deepened; second supply at 1,013 feet; flow in April, 1897=999,640 g. p. d.; head 32 feet; h.p.=2.05; woolscouring.
 3. Three supplies. No signs of deterioration after six years. About the same in June, 1902.
 4. Flow in April, 1897=529,660 g. p. d., and head, 30 feet.
 5. Flow diminished from 66,000 to 20,000 gallons per day. (April, 1897.) Ceased flowing about June, 1900.
 6. Flow gradually diminishing } 27.5.02.
 7. " " " " }
4. Albilbah—
 1 and 2. Water brackish.
 3. Very small supply.
6. Alice Downs—
 1. Probable flow at surface=430,000 g. p. d.; present outlet 12 feet above surface.
 2. Seven distinct flows. These were indicated by outbursts of milky diffused gas; bottom in hard rock penetrated only a few inches.
8. Arabella—Quality of water similar to that of Charleville Meat Works Bore (see Remarks).
9. Aramac—See Pressure Notes in Report, 1898.
 2, 6. Cleaned and re-cased, 1897.
 3. Casing slipped, and defective.
 7. Steam pump erected, 1897.
11. On Steinburn Resumption—Both bores cleaned and re-cased, March, 1896.
12. Ardoch—
 1. Flow at 1,030 feet = 3,000 g. p. d.
 " 1,970 " = 15,000 "
 " 2,284 " = 500,000 "
 " 2,323 " = 1,000,000 "
 " 2,604 " = 2,000,000 "
13. Arrabury—Great rush of water when tapped; tools left in well.
14. Autboringa—
 2. Former W.L. 60 feet below surface.
 3. Bottomed 60 feet of very hard rock, granite?
15. Avondale—
 2. Stated that water is running through paddocks in delver-made drains for 60 miles.
17. Bando—
 1. Stated to have 35 miles of bore drains.
 2. Stated to have 24 miles of bore drains.
19. Barcaldine Downs—1. Original depth, June, 1894, 2,500 feet.
20. Lakeview—Formerly known as Richardson's Hit or Miss Farm, sold to Kirby in May, 1899, measured 2 feet above surface (20th October, 1899).
 Brackhill—First supply cased off, considered unsuitable for irrigation; former head, 69 feet; flow measured under a head of about 8 feet (20th October, 1899); reported depth in 1907=1,400 feet; pressure=10 lb.
 Halfmoon—Formerly flowing 2 inches over 6 inches casing. Stated that, simultaneously with Saltern Creek No. 7 Bore, this bore ceased to flow when second flow of Saltern Creek No. 10 had been tapped (6th October, 1899). W.L. at that date 5 feet below surface.
 Fairview No. 2—Flow at 2,024 feet=about 100,000 g. p. d.; at 2,510 feet=400,000 g. p. d.
21. McLacblin's—Flow falling off, former head 72 feet, temperature 115° F.; reported depth in 1907=2,500 feet; pressure=10 lb. per square inch.
 Co-operative—Former flow estimated at 600,000 g. p. d.
 Jacondool—1. Flow and pressure has fallen off, bore inaccessible for measurements (3rd January, 1900). Bore deepened some years later; former depth in June, 1895=1,016 feet; reputed flow at that date=500,000 g. p. d.; temperature, 106° F.
 Dunraven—Temperature unchanged; yield has fallen from 246,000 to 223,600 g. p. d. in 15 months, nearly 8%; head fell about 9 feet; about 15 miles of drains are now continuously watered from this bore (3rd October, 1899).
 Westbourne—In March, 1893, flow stated to have been 800,000 g. p. d.; pressure, 40 lb., and temperature, 120° F. (9th October, 1899.) Reported pressure in 1907=10 lb.
22. Patrick—Former estimated flow 300,000 g. p. d.; sudden falling off attributed to bridging in bore. Reported pressure in 1907=31 lb.
 Colver Hills—Flow measured 5 feet 6 inches above surface (26th October, 1899).
23. Barclay Downs—
 6. Water at 259 and 269 feet; supply pumped from 274 feet.
 7. " 360 " 395 " ; " " 400 "
 8. " 191 " 235 " ; " " 196 "
 9. " 150 " 205 " ; " " 173 "
 Strata pierced is chiefly limestone and flint; all the borings were sunk to bed rock, yielding an abundant supply; the yield given in No. 4 and No. 9 bores is equal to that of the capacity of the pump only.
25. Barenya—
 2. In 1894 the depth was 2,290 feet, and the estimated flow =200,000 g. p. d., with a head of about 22 feet; the supply gradually decreased until it stopped flowing in 1903; the bore was then deepened in 1906 to 2,800 feet, giving a flow of 2,500 g. p. d.; windmill to be erected.
 3. Former flow, 800,000 g. p. d.; decrease of 200,000 galls. in ten years.
27. Beaudesert, &c.—
 A. Very salt water at 99 and 187 feet; abandoned.
 B. Bore-hole filled with mud at bottom of well.
 C. Very hard rock; 4-inch casing left in.
 D. Well and double whip.
 E. In river bed, near No. 8; dry; abandoned.
 F. 4-inch casing left in.
 G. In granite; abandoned.
 H. No water from bore; flow exudes from outcrop of artesian against primary rock.
 1. Pressure appears to be greatest at mid-day.
 2. Formerly pumped by windmill.
 3. Plugged below 200 feet; sub-artesian bore converted to artesian by outlet to creek.
 5. Flow in 1896=3,935 g. p. d., with a static head of 25 feet; ceased flowing in 1902.
 8. The large supply rises initially to about 70 feet below surface.
 15. Struck granite at 135 feet.
28. Beechal Nos. 1 and 2—Boring discontinued in very compact sandstone.
30. Bimerah—1. The site is elevated, and the water met between 4,130 and 4,220 feet has but a small flow.
 2. Small quantity of petroleum at 3,640 feet, and bands of coal at 3,700 feet; bottom in soft white sandstone; no increase of flow.
 3. 3,900 feet of 6-inch casing; water highly mineralised.
31. Bindebang—1st supply of water at 1,220 feet, 2nd at 1,600 feet, and 3rd at 2,300 feet.
32. Bingera—Water struck in blue-coloured shaley sand in all these bores; No. 3 met with very hard strata above the water-bed; No. 4 met loose boulders. Stated that the flows of these bores have not been affected by the drought (2nd May, 1901).
34. Boatman and Elmina—No. 4 Bore supplies both stations.
 No. 1. Stated to have 43 miles of bore drains; No. 2, 45 miles; No. 3, 58 miles; and No. 4, 27 miles, respectively.
35. Bogunda—
 1A. Tools jammed, casing drawn; abandoned.
 1. Water a little brackish; pumped from 140 feet into an earthwork circular tank.
 2. Water pumped from 80 feet into a G.C.I. tank.
36. Bon Accord—
 1, 2, and 3. Wells, good supplies.
 4. Well, 150 feet deep; bored 30 feet; water rose 74 feet in 20 minutes.
 6. Well; unlimited supply; an underground stream.
 7. Well; unlimited supply.
 8. Well " "
 9. 8-inch bore.
 10. Well; unlimited supply.
 11. Well; 130 feet deep; bored 10 feet; water rose 18 feet in 1 hour.
 12. Well; unlimited supply.
 13. Well, 110 feet; bored 6 feet; water rose 73 feet in 30 minutes. Information obtained from Government Geologist's report, dated 17th December, 1898.
37. Boorara—
 1. Ceased flowing; former flow, 9,000 g. p. d. (11-6-01).
 2. Former flow, 90,000 g. p. d. (11-6-01), flow reported 96,000 g. p. d. in 1907.
 3. Flow has not gone back (11-6-01); flow reported 10,000 g. p. d., and depth 180 feet in 1907.
 5 and 6. Terminated in granite.
38. Bowen Downs—
 1. Half-mile of 4-inch aqueduct pipe leads the water over a ridge.
 3. Flow estimated at 130,000 g. p. d. in 1907.
 4. Original depth, May, 1892, 2,251 feet; flow suddenly stopped in 1893; no extra water cut when deepened; W.L. 5 feet below surface in 1907.
 6. Very long contoured "leets" are being constructed; flow estimated at 80,000 g. p. d. in 1907.
 7. Flow reported in 1907=180,000 g. p. d.
 8. Bore deepened; original depth=2,425 feet (20th July, 1897). Flow estimated at 200,000 g. p. d. in 1907.
39. Breadalbane—2. Tools lost in bore.
40. Brenda—Dribble at 743 feet; at 1,340 feet just flowing; at 1,650 feet, flow 20,000 g. p. d.; at 1,885 feet, about 100,000 g. p. d.; and at full depth, about 2,500,000 g. p. d.
42. Lindum—Sunk for coal by Calyx drill.
44. Bunda Bunda—
 2. On resumed land.
 7. First flow at 890 feet.
45. Burenda—Highest potentials noted in Queensland.
 2. Bore cleaned and recased with 5-inch casing; flow recovered; originally the bore had a flow of 500,000 g. p. d., with a head of 90 feet; bore now pumped from 36 feet below surface.

45. Burenda—*continued*—
 3. Doubtful if any more water below 2,600 feet was met with. Flow reported to be 36,000 g. p. d. in 1907.
 4. Flow reported to be 299,300 g. p. d. in 1907.
 5. First flow of 2,000 g. p. d. at 1,280 feet.
46. Burleigh—
 1. Originally flowing 70,000 g. p. d. from 416 feet.
 2. Original flow from 619 feet, 640,000 g. p. d.
 4. Formerly flowing 250,000 g. p. d.
 6. " " 500,000 "
63. Caledonia—
 1. 3-inch casing; flow reported to be 5,500 g. p. d. in 1907.
 2A. Casing broken; bore abandoned.
 2B. Bores A and B are 10 feet apart.
54. Cambridge Downs—Stated that during 1899 old bores have been deepened to the extent of 1,650 feet; bores No. 7, 8, 9, resumed by Lands Department.
55. Glenisla—13 miles of drains and 7 miles of channels made. Runnymede No. 1—Original flow, 800,000 g. p. d.; flow reported to be considerably less in 1907.
57. Rand—Bore water driving an electric lighting plant.
58. Canobie—
 1 and 2 reported in 1907 that flows are diminishing.
 3. Struck water at 1,492 feet; finished boring in granite.
 4. First flow at 1,570 feet just flowing.
 5. Bore flowing while pumping.
 6. Supply at 1,550 feet rose to 25 feet from surface; at 1,650 feet, flow=170,000 g. p. d.; and at 1,830 feet=300,000 g. p. d.
60. Cassilis—
 1. Cased to sandrock with 6-inch casing; original flow about 850,000 g. p. d.; now (December, 1901) about 425,000 g. p. d.
 2. Cased at first to sand rock only with 6-inch casing, and having then a flow of about 1,200,000 g. p. d.; this flow deteriorated after a time to about 630,000 g. p. d.; after removing a bridging of 30 feet, and inserting 5-inch slotted casing below the 6-inch casing, the yield is now (December, 1901) about 876,800 g. p. d.
 3. Cased with 5-inch casing; bore site on very elevated country; flowing originally at the rate of about 230,000 g. p. d.; but its W. L. stands now (December, 1901) 6 feet below the surface; intended to erect a windmill.
 Glenlyon—Cased with 6-inch casing to first sand rock at 2,076 feet, then with 5-inch slotted casing to bottom; flow before inserting 5-inch casing was about 920,000 g. p. d.
62. Meat Works—Water tests better than that of Charleville town bore, and does not evolve gas when freshly drawn; flow reported to be 950,000 g. p. d. in 1907.
64. Charlotte Plains—
 1. Original W.L. 18 feet below surface.
 2. First flow at 210 feet=100,000 g. p. d., but ceased flowing after a time, bore then deepened.
 3. Original W.L. 30 feet below surface.
 4. Two flows like No. 2 bore.
 5. Water level originally 20 feet; in May, 1901, 29 feet, and in 1907=45 feet below surface.
 6. Water level, after passing 276 feet, fell from 110 to 145 feet, and rose again to 132 feet, when bore was filled up to 270 feet; W.L. in 1907=140 feet below surface.
 8. Stated that at 550 feet a seam of coal 15 feet thick was met with, water not used.
66. Kalkie—A shaft to 76 feet, then a 10-inch boring; pumping test by air-lift system; pumped 15,200 g. p. h. into shaft from bottom of bore.
69. Clonagh—Supply from 800 to 850 feet; rose to within 4 feet of surface; at finish the bore had a flow of about 100,000 g. p. d.; stated to have met with primary rocks below 850 feet.
72. Nonda Downs—Deepest 8-inch bore in Queensland.
73. Compton Downs—
 1. Ceased to flow; former reputed flow, 100,000 g. p. d.
76. Longlands—Original flow 9 feet 3 inches over 7-inch casing.
77. Coorabulka—
 1. Flow at 654 feet, 360,000 g. p. d.; at 660 feet, 730,000 g. p. d.; and at 744 feet, 1,000,000 g. p. d.
 2. Flow at 941 feet, 1,050,000 g. p. d.; at finish flow fluctuating from 36 to 43 inches over casing.
 3. Flow at 1,098 feet, 150,000 g. p. d.; and at 1,250 feet, 930,000 g. p. d.
 4. Flow at 1,242 feet, 150,000 g. p. d.; at 1,325 feet, 750,000 g. p. d.; and at 1,340 feet, 800,000 g. p. d.
 5. At 198 feet, small soakage (salt); at 650 feet, 2nd. soakage; at 1,022 feet water rose to 50 feet; at 1,331 feet, small flow; at 1,548 feet, 1,930,000 g. p. d.
 6. At 40 feet, small soakage; at 245 feet, small flow; at 600 feet, flow 150,000 g. p. d.; at 768 feet, 700,000 g. p. d.; and at 818 feet, 1,400,000 g. p. d.
78. Coreena—
 1. Originally flowing at the rate of 100,000 g. p. d.
 2. Former flow reported as 1,500,000 g. p. d.
 3. Original flow, 350,000 g. p. d.; flow in October, 1904=20,000 g. p. d.
 4. W.L. originally 70 feet; in April, 1901=102 feet below surface.
 5. Former flow reported as 750,000 g. p. d.
 6. Original W.L. 5 feet below surface,
78. Coreena—*continued*—
 7. Bore re-cased in January, 1901; original flow, 100,000 g. p. d.; flow diminished gradually, and stopped flowing in 1901.
 9. Original W.L. at 200 feet from surface.
 10. Surface water at 130 feet; 2nd., water at 205 feet, rose to 50 feet below surface; original flow, 541,000 g. p. d.
 11. Flow from 1,085 feet, 193,000 g. p. d.; pressure $4\frac{1}{2}$ lb. per square inch, and temperature 104° F.
 12. Salt water at about 120 feet; at 480 feet water rose to 2 feet; at 850, small dribble; and flow at 1,007 feet.
 13. Supply from 165 feet rose to 40 feet; flow of 100,000 g. p. d. at 215 feet; site 33 feet lower than No. 3 bore.
 14. First water at 430 feet; a flow of 20,000 g. p. d.; at 490 feet slight increase; at 850 feet 370,000 g. p. d.; increasing gradually to full depth; site 15 feet lower than No. 2 Bore. Water is evidently escaping into the upper waterbeds in No. 2 and No. 9 bores.
79. Corinda—
 1. 3 supplies at 102, 207, and 307 feet.
 2. 2 " 119 and 318 "
 3. 2 " 108 and 216 "
 4. 1 " 63 "
 5. 3 " 141, 161, and 231 "
 6. 1 " 80 "
 7. 2 " 66 and 156 "
 8. 1 " 417 "
 9. 2 " 298 and 436 "
 10. 2 " 141 and 413 " ; flow diminishing.
 11. 2 " 394 and 511 feet. Porous bed at 603 plugged with concrete, &c.
 12. Steam pump of capacity 400,000 g. p. d.
 13. 3 supplies at 256, 274, and 372 feet.
 16. Former depth in August, 1891=194 feet; flow, 17,100 g. p. d., with a head of 4 feet, and temperature 84° F.
 22. Former depth in November, 1891=360 feet, and W.L. 14 feet below surface.
 23. 2 supplies at 96 and 229 feet.
 27. 2 " 134 and 345 feet.
 29. 5 separate very small supplies; very little water; well to 75 feet; former W.L. about 54 feet.
 30. 2 supplies at 229 and 509 feet; sunk to 541 feet in September, 1896; W.L. then 16 feet below surface.
 32. Sunk within a few yards of No. 10, bottomed on red rock; bore reported in 1907 as sub-artesian, with a W.L. of 45 below surface.
81. Burslem—Flow at completion, 180,000 g. p. d.; decreased gradually, and stopped flowing in December, 1906; bore then cleaned out without recovering flow; W.L., June, 1907=6 feet below surface.
85. Dagworth—1. Deposits calcareous and ferruginous stalagmite. This is the second hottest flow in Queensland. Estimated flow in 1907 reported to be 300,000 g. p. d.
- 87, 88. Dalby North and South Districts—Sub-artesian wells and bores from Government Geologist's report (17th December, 1898); "Five-mile Dam," formerly called Jimbour bore.
 Irvingdale—Bore cased with 8-inch galvanised iron casing; water fresh.
 O'Keefe's—Water brackish.
 J. D. Mulholland—Water very salt; bore cased with galvanised iron casing.
 L. Riethmüller—Bore cased with galvanised iron casing; struck salt water at 67 feet, and fresh water at 80 feet; salt water not shut off.
89. Dalgonally—
 1A. Dry; sunk at bottom of 80-foot well.
 2. Ceased flowing in 1906; former flow 9,700 g. p. d., with a head of 32 feet; water not used.
 3. Bore deepened; former flow from original depth of 292 feet, 3,900 g. p. d.; head, 4 feet
 4. Flow reported to be a trickle only in 1907.
 6. Met with 5 feet of very fine white driftsand at 700 feet, then soft clay, and stopped sinking in very hard rock.
91. Dalzell—
 1. Ceased flowing; fairly uniform loss of head from year to year, averaging about 7 inches per month; head in 1892=48 feet; a sudden drop of flow was noticed when No. 5 bore began to run. W.L. 18 feet below surface about May, 1907.
 2. Head, 10 feet in July, 1896. Ceased flowing; former flow, 41,000 g. p. d., with a static head of 6 feet. W.L., in May, 1907=15 feet below surface.
 3. Loss of head 4 feet in two years, or only about 2 inches per month. W.L., in May, 1907=30 feet below surface.
 4. Flow measured 5 feet above surface (14th October, 1899); estimated flow in May, 1907=150,000 g. p. d., and pressure 3 lb.
 5. Ceased flowing; W. L. in May, 1907=15 feet below surface; former flow, 89,000 g. p. d., with a head of about 3 feet.
92. Darr River Downs—
 2. First water at 700 feet, rose to 120 feet; pumping supply of 35,000 g. p. d.; bore deepened in 1901; reputed flow, 500,000 g. p. d.
94. Delta—Original flow about 500,000 g. p. d.; temperature 120° F.; valves on bore free from all signs of "reh."
95. Dillalah—1. Original depth, 1,344 feet; deepened; wool-scouring.

96. Doner's Hill—Supply from 1,996 feet rose to within 90 feet of surface; water highly mineralised.
97. Duaringa—Bores sunk in search of coal; No. 2 Bore met with coal at 437 feet.
98. Durham Downs—1. Abandoned by contractors.
99. Dynevor Downs—
1 and 5. Met with loose boulders.
2. Flow reported to be 1,200 g. p. d. in 1907.
3. Sand rising.
4. Flow reported to be 1,300 g. p. d. in 1907.
100. Eddington—A and B only 55 feet apart. Strata pierced very similar in all the bores; struck blue shale after sinking about 50 feet, which continued until sandrock was reached, ranging from 40 to 200 feet in thickness; all the bores tapped only one flow immediately after entering into sandrock, the flow gradually increasing until striking very hard rock, possibly of primary formation; No. 3 bore met with about 200 feet of sandrock; in No. 4 the sandrock is very coarse, almost a gravel bed; No. 6, after sinking through the sandrock met with about 200 feet of soft strata, pipe-clay, &c., and then finished in very hard strata without increasing the flow; No. 10, although lower in elevation than No. 2 bore, has a smaller flow; the sandstone met with is very hard, fine-grained, and only about 40 feet thick; drilling discontinued, apparently in granite. The flows of Nos. 1 to 11 bores are as reported in 1907, and have evidently fallen off, but no reliable data is to hand to say to what extent; No. 1 bore was measured by this Department in March, 1899, the flow was then 892,000 g. p. d., with a static head of 331 feet, and a potential horse-power of 22.6.
101. Camarooka—Flow when first tapped=1,200,000 g. p. d.
102. Elderslie—
1. About half of the quantity of water is issuing from the outside of the casing.
2. It is claimed that this is the largest flow from such a great depth, and the hottest bore water in Queensland; further, that the bore has the longest string of 6-inch casing known—namely, 4,000 feet.
3. Sub-artesian supply at 2,980 feet; water rose to 40 feet below surface; 54 feet of tools left at bottom of bore. Three shallow test bores were sunk in January, 1907, on Elderslie, one bore yielding a pumping supply of 1,500 g. p. d., another of 700 g. p. d., and a third a mere soakage.
The 3 shallow sub-artesian test bores proved failures, one yielding 1,500 g. p. d., another 700 g. p. d., and a third a mere soakage.
103. Elmina—
2. Large flow when water was tapped, but diminished greatly within a few weeks; former reputed flow, 1,400,000 g. p. d.
3. Upper water-bed cased off; bores No. 2 and 3 are only 30 feet apart.
105. Eton Vale and Harrow—River silt met at 40 feet, 18 feet thick; subterranean river bed.
107. Eulolo—
2. Granite bottom; cleaned in 1896.
7. Flow at 1,350 feet, 230,000 g. p. d.; at 1,374 feet, 440,000 g. p. d.; at 1,404 feet, 780,000 g. p. d.; and at 1,439 feet, 870,000 g. p. d.
109. Tilbury's—Struck water at 350 feet and 970 feet.
111. Fernlee Run—The Queen's Birthday Bore is said to have a daily tide in flow of about 2 inches.
112. Fort Constantine—
1. About 40 cubic feet of fire-damp per day.
2. Tools jammed and lost at bottom.
3. 3A and 3B are 17 feet apart.
4 and 5. Adjoin No. 3; abandoned and filled in.
8. Fire-damp emitted.
9. Tools jammed since 1896.
113. Glendower Run—The sub-artesian supply tapped at 155 feet suddenly disappeared at 675 feet. After filling up the bore to 600 feet the water rose again to its original level.
116. Granada—
1. Met granite at 510 feet, and drilled 50 feet into it.
2. Passed a surface supply at 80 feet; water rose to 37 feet; met with bands of quartz at 900 feet, quicksand at 1,200 to 1,300 feet, and entered into hard, red, sandrock at 1,310 feet, when tools were lost at 1,350 feet, and drilling abandoned; it is believed that a flow could be obtained by sinking below this red sandrock, as in Canobie No. 3 bore.
118. Greenmount—Near Warwick Railway; 3 bores 90 to 130 feet; pumped; other bores sunk before 1905.
120. Hamilton Downs—No. 2. Met with 6 distinct flows at 2,123, 2,160, 2,430, 2,500, 2,660, and 3,200 feet, respectively; no further increase of flow had been observed below 3,200 feet.
121. Belford—The bore water is running for a distance of 7 miles in summer and 14 miles in winter; original estimated flow, 1,500,000 g. p. d.
122. Hamlet Downs—1. Flow measured 4½ feet above surface (13th October, 1899), wooden waterwheel employed to drive chaffcutter.
124. Helidon—All these bores supply natural aerated and potable mineral water from the coal measures; bore 3A had originally a flow of 10,000 g. p. d.; the pumping supplies have not been tested to their full capacities.
125. Herbertvale—A well to 126 feet; bore casing carried to surface.
128. Coolibah—
1. Originally small dribble, now sub-artesian.
2. Flow at 940 feet about 40,000 g. p. d.; at 1,002 feet, 340,000 g. p. d.; and at 1,304 feet, 370,000 g. p. d.
Farnon Downs—Originally flowing 20,000 g. p. d.
130. Newstead—Stated that the bore waters about 30 miles of natural and artificial channels.
Irvingdale—Stopped sinking in 167 feet of hard red sandrock (porphyry); former flow 309,000 gallons per day; flow on 20th September, 1899=163,800, with a static head of 35 feet, and a temperature of 131½° F.; former depth, 2,217 feet. Deepened to 2,700 feet; flow ceased, but date not known; W.L., May, 1907=6 feet below surface; sinking stopped in granite.
132. Inverleigh—Struck soakage at 130 feet; at 2,290 feet water rose to 60 feet, and at 2,300 feet to 30 feet below surface; at 2,310 feet, small flow; at 2,330 feet, flow 300,000 g. p. d., and at 2,375 feet, 850,000 g. p. d.
135. Jondaryan—Near S. and W. Railway; five bores 80 to 130 feet deep; cutting made below water-level at one bore to give small flow.
136. Katandra—
1. Originally flowing at the rate of 24,000 g. p. d.
2. Former flow 120,000 g. p. d.
3. Owing to accident this bore could not be sunk deeper.
4. Depth of bore in 1900=1,150 feet, work then suspended, and resumed again in 1904.
139. Kilcummin—Small supplies of salt water; abandoned.
140. Kynuna—
1. On summit of watershed; former W.L., 65 feet below surface.
2. Water deposits iron oxide while cooling; ceased flowing; had originally a flow of 595,000 g. p. d., and a static head of 53 feet.
3. Ceased flowing; had originally an estimated flow of 550,000 g. p. d.
4. Ceased flowing; had originally an estimated flow of 750,000 g. p. d.
5. Ceased flowing; had originally an estimated flow of 500,000 g. p. d.
6. Original estimated flow, 1,200,000 g. p. d.
141. Poimena—Original flow, 1,400,000 g. p. d.
Glembervie No. 2—Strata like rock salt and shale met with; struck small soakage at 850 feet, and flow at 1,350 feet.
142. Waniola—Former estimated flow, 1,500,000 g. p. d.
Rosemead " " " " 1,250,000 "
143. Lake Dune—Flowing at the rate of 50 g. p. d. through a trench 1 foot below the surface.
144. Lake Nash—Bore provided with engine and walking beam equipment.
145. Lammermoor—
1. Casing drawn; bore collapsed; 22 feet N.W. from No. 2.
2. Steam plant and storage reservoir; pumped 180 feet.
3. Abandoned in running sand; 300 feet casing lost; adjoins No. 5.
4. First supply at 420 feet rose to 88 feet below surface; pumped 380 feet.
5. First supply at 400 feet rose to 88 feet below surface; steam plant and storage reservoir; pumped 150 feet; former depth, 820 feet, and W.L., 283 feet.
146. Landsborough Downs—
1. Original W.L. 13 feet below surface.
3. At 1,285 feet, flow 9,600 g. p. d.; at 1,377=38,400 g. p. d.; at 1,628 feet=170,000 g. p. d.; at 1,688 feet=280,000 g. p. d.; at 1,743 feet=440,000 g. p. d.; at 1,845 feet=480,000 g. p. d.; at 1,885 feet=490,000 g. p. d.; at 1,943 feet=520,000 g. p. d.; at 1,977 feet=540,000 g. p. d.; and at 2,021 feet=680,000 g. p. d. At a depth of 1,377 feet the static head was 28 feet; at 1,791 feet, 36 feet 6 inches; and at 2,045 feet, 38 feet 4 inches.
147. Lansdowne—1. The Toolmaree Bore was originally converted from a sub-artesian to a flowing bore by cutting the hillside, and had then a flow of 32,000 g. p. d.
- 149.—Llanrheidol—
1. Pelton wheel employed for wool-drying.
3. Small soakage at 280 feet; slight increase at 315 feet; at 1,645 feet a flow of about 106,000 g. p. d., and rest of yield at 1,709 feet.
152. Lucknow—
1. Reported depth in 1907=1,411 feet, and flow 280,000 g. p. d.
153. Gasworks—Bore overflowing into well below surface.
Fairleigh—Water obtained in soft granite.
154. Malvern Hills—Water not utilised; only about 7,000 gallons per day from lowest waterbeds; upper supplies cased off.
155. Manfred Downs—
1. Four different supplies struck in bore. Water lifted 22 feet to house by windmill.
2B. Water enters well 10 feet deep above the bore top, and is pumped by windmill to storage tank.

155. Manfred Downs—*continued*—
 3. Closed by ball valve; maximum flush 25,000 gallons per day.
 4. Closed by ball valve; maximum flush 7,600 gallons per day.
 5A. Water not used.
 6. Original depth, April, 1886, 200 feet; closed by ball valve; maximum flush 14,250 gallons per day.
 7. Closed by ball valve; maximum flush 14,250 gallons per day.
 10A. Permanently closed; flow very small; pressure good. Four of the bores are now on resumed land.
 13. Deepened to granite; no further supply.
 20. No flow met with after 450 feet; bottomed granite.
 21. No flow met with after 605 feet; bottomed granite.
156. Quarrell's—
 8B. Bore closed with a cap and small plug; maximum flush 16,200 gallons per day.
 9. Salt water; abandoned.
157. Oxton Downs—15. Water issues from a crack in granite at 1,060 feet.
158. Manuka—
 1. Ceased flowing; original reputed flow, 500,000 g. p. d.
 2. Had a flow of 200,000 g. p. d. when completed; ceased flowing about August, 1901.
 3. Struck salt water at 78 feet.
 4. Struck salt water at 93 feet; small supplies at 163 feet and 200 feet; water brackish, but suitable for stock.
 5. Small supplies at 98 feet and 160 feet; water fresh.
 6. Water from 120 feet rose to 40 feet; more water at 162 feet; fairly fresh water.
159. Malboona—Originally flowing at the rate of 193,000 g. p. d.; ceased flowing; W.L., in September, 1901=18 feet below surface; about May, 1907=35 feet below surface.
160. Marathon—5. Original depth, 900 feet; flow, 50,000 g. p. d.; temperature, 90° F.; a wool-scouring plant has been erected at the bore site. Bores No. 3, 5, and 7 are reported as having ceased to flow; dates not given. Original reputed flows of No. 3 and No. 5 bores=700,000 g. p. d. each, and of No. 7 bore=400,000 g. p. d.
161. Tweedsmuir—Depth in March, 1897=1,400 feet; and flow, 260,000 g. p. d.
162. Marion Downs—
 1A and 1B only a foot apart; 1B ran into 1A; 1C 6 feet from 1A and 1B.
 1C. Water contained from 2 to 4 oz. of salt per gallon.
 2. Flow at first 5,000 gallons per day; ceased after withdrawing outer casing.
163. Maxwellton—
 Original reputed flows—No. 1 bore, 500,000 g. p. d. (depth, 1,355 feet); No. 2=800,000 g. p. d.; No. 3=700,000 g. p. d.; No. 4=700,000 g. p. d.; No. 5=1,000,000 g. p. d.; No. 6=1,500,000 g. p. d.; and No. 7=1,200,000 g. p. d. Flows as reported in 1902—No. 1=1,000,000 g. p. d.; No. 2=550,000 g. p. d.; No. 3 and No. 4=330,000 g. p. d., each; No. 5=800,000 g. p. d.; No. 6=920,000 g. p. d.; and No. 7=1,150,000 g. p. d.
164. Wimmera—Original reputed flow, 1,000,000 g. p. d.; 14 miles of bore drains.
 Bundorin—Flowing 34 inches over casing in 1902.
165. Millungera—
 1. Very great leakage around casing.
 5. Small flow at 750 feet; original flow=1,025,000 g. p. d.; flow, 14th August, 1901=800,000 g. p. d.
166. Minnie Downs—First supply was struck at 725 feet; salt; second supply at 2,476 feet, rose to within 180 feet of surface; water struck from 2,300 to 3,250 feet, rising to 120 feet below surface; 6-inch steam pump erected
167. Mona—
 1. Measured flow, 6-6-96=490,100 g. p. d., and static head, 196 feet.
 2. Original reputed flow=2,000,000 g. p. d.
 3. " " " " =2,300,000 g. p. d.
168. Moreston Downs—
 1. Soakage at 140 feet; pumping supply at 309 feet.
 2 and 3. Finished in hard limestone.
169. Beaudesert (Moreton)—Has collapsed (1895).
171. Mount Cornish—
 1. Original flow, 576,000 g. p. d.
 2. Soakage at 310 feet; small flow at 2,180 feet; at 2,400 feet, flow 165,000 g. p. d.; at 2,270 feet, 335,000 g. p. d.; increasing to 420,000 g. p. d. up to 2,900 feet.
172. Mount Enniskillen—
 A. In a flowing spring.
 H. Lat. 24° 45' 25", Long. 146° 34' 30".
 I. Desert soak only. Abandoned 1896.
 B. to I. In desert formation.
 1. Work suspended in April, 1899, at a depth of 800 feet.
176. Mulga Downs—
 1. Flow from 1,687 feet in 1896=763,950 g. p. d.
178. Murweh—
 1 to 4. Flows have gone back; but no reliable data is to hand (1907).
179. Wheatleigh—Three water-bearing beds, the lowest 40 feet thick.
183. Nive Downs—
 1. Original W.L. 32 feet below surface.
 2. W.L. reported 8 feet higher in May, 1907. (?)
 3. Original depth (November, 1898) 1,232 feet, and water standing about 100 below surface; deepened about end of 1899, and obtained originally a flow of 170,000 g. p. d.
185. Noorama—
 3. Flow at 1,600 feet; 40 feet of hard rock at 1,480 feet; bottomed primary rocks (quartz schist) at 1,710 feet.
188. Normanton Meatworks—At Goose Lagoon. Abandoned.
189. Northampton—2. Flow at 1,048 feet=260,000 g. p. d.; at 1,645=301,800; at 2,060=515,400; at 2,344=1,390,000; and at 2,557 feet=1,620,000 g. p. d.
191. Penola Downs—
 1. Originally flowing at the rate of about 100,000 g. p. d.; now (May, 1907) pumped 45 below surface.
 2. Original reputed flow, 150,000 g. p. d.
192. Portland Downs—Water contains some dissolved gas, probably fire-damp.
193. Quambeytook—Water rose 4 feet over 6-inch casing in August, 1896.
194. Redcliffe—
 1. The first supply from 645 feet rose to 40 feet below surface; steam pumping plant; pumped 90 feet.
 3. First water at 920 feet, second water at 1,150 feet; pumped 25 feet from surface.
196. Richmond Downs—
 4. All the water comes up outside of casing.
 6. Ceased flowing before February, 1907; former reputed flow, 200,000 g. p. d.
 7. Former W.L. 50 feet below surface.
198. Rocklands—Supplies of bores No. 1 to 7 have been tested to 120,000 g. p. d.
199. Rockwood—
 1. Bore emits a very large flow of fire-damp gas; flow reported 10,000 g. p. d. in 1907.
 2. Former reputed flow, 700,000 g. p. d.
 3. " " " " 750,000
 4. " " W.L., 80 feet below surface.
 6. " " " " 38 feet " "
203. Glenalven—Small quantity of inflammable gas issuing.
204. Ruthven—
 1. First flow of 400 g. p. d. at 1,319 feet; main flow at 4,070 feet; estimated flow in 1907=170,000 g. p. d.; water brackish.
 2. Supply at 600 feet rose to 90 feet from surface; at 3,309 feet more water; at 3,546 met with sand, W.L. at 300 feet; at 3,552 feet flow of 800 g. p. d.; at 3,842 flow=4,300 g. p. d.; at 3,898 feet=15,000 g. p. d.; and at 3,930 feet, flow=46,000 g. p. d.; water of good quality; natural gas issuing.
205. Saltern Creek—
 1. Ceased to flow in 1895, now pumped. See pressure notes, Annual Report, 1898; W.L. in 1898, 4 feet below surface.
 2. Former flow, 70,000 g. p. d., and static head 72 feet.
 4. Former estimated flow, 700,000 g. p. d., and static head 116 feet.
 5. Former estimated flow, 500,000 g. p. d.
 6. Former estimated flow, 700,000 g. p. d.
 7. When second flow of a new bore, about 5 miles east, was struck in June, 1899, this bore ceased to flow, and the potential fell to 12 feet below surface; estimated mean loss of potential since 1893 about 8 feet annually; W.L. 13 feet below surface (6th October, 1899), and 36 feet about May, 1907; former flow, 50,000 gallons per day.
 8. Former estimated flow, 600,000 g. p. d.
 9. " " " " 500,000
 10. " " " " 1,000,000 "
207. Savannah Downs—
 1. Struck small flow at 220 feet in green sand; second flow in coarse sandstone at 700 feet after sinking in the sandstone about 100 feet; flow gradually increased until granite was met with at 790 feet; original flow about 1,300,000 g. p. d.; now (April, 1901) 1,150,000 g. p. d.
 2. Similar to No. 1 up to about 500 feet, when sandrock was entered and the flow at once increased, continuing to do so until completion of the bore; water-bearing strata not "bottomed," force of water prevented sinking deeper. It is believed that flow has not decreased.
210. Sesbania—
 1. Original flow estimated at 700,000 g. p. d.
 2. " " " " 650,000 g. p. d.; deepened in 1907 from 3,027 feet; water flowing through a trench; borehole filled up to 3,036 feet.
 3. Original flow estimated at 1,400,000 g. p. d.
 4. " " " " 1,300,000 g. p. d.
 5. Good soakage at 200 feet; small flow at 2,450 feet.
213. Talgai West—Supplies at 60 and 90 feet; did not rise in bore.
215. Tambo—
 3. Originally W.L. 49 feet below surface.
216. Tamworth—Original estimated flow, 600,000 g. p. d.
217. Antrim—Former estimated flow, 500,000 g. p. d.

218. Tara—
 1. Flow in April, 1894, about 250,000 g. p. d.; ceased flowing almost suddenly 24th July, 1896; W.L. then 1 foot above surface.
 2. Estimated flow in August, 1893, 450,000 g. p. d., and static head about 41 feet; flow diminished, but without sudden changes until 29th March, 1898, when the flow suddenly ceased, and the W.L. fell to 7 feet below surface within 24 hours.
 3. Estimated original flow, 500,000 g. p. d.; considerable quantity of inflammable gas rising; loss of potential, 8 or 9 feet in fifteen months (29th October, 1899). Ceased flowing, date not to hand; reported depth in 1907, 3,500 feet.
220. Telemon—
 1. Original depth, December, 1893, 609 feet. Used for woollscouring; estimated flow in 1907, 150,000 g. p. d.
 2. Water rapidly corrodes iron casing; estimated flow in 1907, 300,000 g. p. d.
 3. Original depth, May, 1895, 925 feet; estimated flow in 1907 (?) 25,000 g. p. d.
 4. Estimated flow, 600,000 g. p. d. in 1907.
 5. On a high ridge; W.L. $4\frac{1}{2}$ feet below surface, April, 1897.
 6. Estimated flow in 1907, 150,000 g. p. d.
 7. " " 1901, 400,000 g. p. d.
 Sylvania—A small increase of flow has been obtained by deepening from 1,042 feet to 1,297 feet; estimated flow in May, 1907, 84,000 g. p. d.
 Annadale—Estimated flow in 1907, 160,000 g. p. d.
223. Thurulgoona—
 3. Water comes up outside casing, and is led from a large well by 3-inch pipes into a drain.
 5. Water gathered in a tank.
 11. Irrigated 600 acres of wheat in 1902.
225. Gidgerah—Bottom, 100 feet, in primary rocks.
226. Tinnenburra—
 1. Casing leaking.
 6. This bore is in New South Wales.
 8. Used for woollscouring.
227. Tintinchilla—No water below 45 feet.
230. Toolebuc—
 1. A well sunk for 46 feet; double horse-whip.
 2. Struck granite.
 3. Struck granite.
 4. Struck granite; casing drawn; abandoned.
 5. Strata not bottomed.
 6. 33-foot well and double whip; struck granite.
 7. 46-foot well; double whip proposed.
 8. 21-foot well flows out at 14 feet below surface into low-level drinking tank.
231. Toorak—
 1. Original flow, 795,400 g. p. d.; static head 300 feet, and maximum horse-power 15·03.
 2. Former estimated flow, 1,000,000 g. p. d., and static head over 200 feet.
 3. Former estimated flow, 1,500,000 g. p. d.
 4. " " " 2,000,000 " "
 Bores 1 and 2. Cleaned and deepened in 1896.
232. Tower Hill, Yanga—
 Had originally a good flow; ceased flowing in April, 1906; deepening this bore.
233. Tulby—1. Site flooded.
234. Wingera—
 1. Original W.L. 35 feet below surface.
 2. " " about 100 feet below surface.
235. Shirley—
 2. Original W.L. 60 feet below surface.
 3. " " 80 " " "
 4. " " 60 " " "
237. Vindex—1. Abandoned since 1889; tools stuck in bore. Bores A B C, from Mr. Jack's report, 1894.
238. Warbreccan—Water barely drinkable, but stock soon take to it; bubbles of firedamp and drops of brown petroleum perceptible.
239. Warena—
 1. Original W.L., 79 feet; reported 7 feet higher in 1907.
 8. Double horse-whip.
 11A. Casing drawn; abandoned.
 11B. At bottom of waterhole; former W.L. 3 feet below surface.
 12. Flows into bed of waterhole; drowned.
 17A. Collapsed; abandoned; W.L. reported 1 foot below surface in 1907.
 17B. Pumped by windmill.
 19. Casing slipped below surface.
 21A. Quicksand met with, casing withdrawn.
240. Canning Downs—3. First water met with at 50 feet. Glengallan—Numbers of successful shallow bores.
241. Weelamurra—
 1. Flow from 1,540 feet=173,300 g. p. d., with a pressure of over 100 lb.; temperature, 114° F.
 2. A shaft to 225 feet, and a bore to 280 feet.
242. Wellcamp—A seam of coal 11 feet thick was pierced 60 feet below surface.
243. Wellshot—1, 2, 3. Flow accompanied by much free and dissolved gas, amount of gas apparently less in No. 2 than in No. 1 and 3 bores; temperature of No. 1 bore, 176° F., in December, 1893; seven distinct flows of water struck in No. 3 bore; flow of No. 2 bore, reported in 1907, 193,800 g. p. d.; that of No. 3, 247,400 g. p. d.
245. Westland—
 1. Original flow, 69,000 g. p. d.; stated that diminution of flow was first noticed in 1897, and from the beginning of 1898 for one and a-half years there were great pulsations in the evolution of firedamp, at intervals of a few seconds, which has now nearly disappeared; temperature stated to have been 6° F. higher; flow in May, 1897=19,200 g. p. d. On 16th August, 1899, the bore was inspected, see figures given in bore table. In 1907 the flow is reported to be about 10,000 g. p. d.
 2. Former yield, 90,000 g. p. d.; stated that in May, 1897, the flow had fallen off to 30,000 g. p. d.; bore yielding about 40 cubic feet of inflammable gas per hour (19th August, 1899, date of inspection, see results given in bore table); flow diminished; estimated flow, 20,000 g. p. d. in 1907.
246. Whitula—2. Water a little brackish; abandoned.
250. Wondoolah—Believed that no further supply was met with below 1,390 feet.
253. Yandilla—A well 6 feet square; stated that a pulsometer pump going day and night for three months during drought did not affect supply; water used to irrigate about 120 acres of land; water did not rise in well when struck; subterranean current perceptible.
254. Willis's—The proprietor of this bore claims the flow to be 5,000,000 gallons per diem, but no mention is made of how this volume is arrived at; the tabulated discharge is that of the latest measurement made by the department's overseer in 1896.
256. Yarron Vale—Water of inferior potability.
257. Yarrowmere—Salt water; abandoned.
258. Yorkshire Downs—Estimated flow at 1,190 feet, 260,000 g. p. d.; at 1,249 = 720,000; at 1,291 = 1,040,000; at 1,379=1,430,000; and at 1,405 feet, 1,460,000 g. p. d.

TABLE OF PERENNIAL SPRINGS.

DATA OBTAINED PREVIOUS TO SEPTEMBER, 1899.

The flows indicated do not include all the water, as many cannot even be estimated. The Springs marked ¶ have been visited by an Inspector. All the artesian springs from Spring Vale to Parthanga are near the western edge of the Braystone; those from Fort Bowen to Eureka mark the northern boundary; and those from Aberfoyle to Coreena are near the eastern outcrop. The Dalgona and Manfred Group indicate faults away from the edges of the artesian basin. (See *Alphabetical Reference Index*, pages 53 to 56.)

Reference Number.	Name.	Locality.	Altitude above Mean Sea-level, in feet.	Flow, Gallons per day.	Temperature, Fahrenheit Degrees.	Remarks.
1	Elizabeth Spring and adjoining Springs ¶	Springvale, Bouli	about 510	100,870 508,370	100½ 83-92	The springs cover about 300 acres and run Spring Creek over 20 miles. Analysis No. 1. See detail in the 1896 Report.)
		" "	"			
2	Locharock Spring ...	Lucknow Run...	...	2,000	...	12 miles east of Warena No. 7 bore.
3	Warra Warra ¶	Warena Run...	460	7,000	cool ...	Fenced, drains, tank, and troughing.
4	Little Tea Tree Spring ¶	" ...	450	small ...	" ...	9 acres fenced to exclude stock.
	Tea Tree Spring ¶	" ...	"	2,000	" ...	4 acres fenced; water runs into Horse Creek.
5	Reedy Spring ... ¶	" ...	440	20,000	" ...	½-acre fenced; water runs into the Hamilton River; large area of mud springs adjoining.
6	Bulla Bulla ...	" ...	445	trickles ...	...	Large area unimproved.
	Mount Datson, South ¶	" ...	455	4,260	91	See Analysis No. 2, "Box" Spring.
7	" Middle ¶	" ...	"	16,470	...	From a drain quarter-mile long.
	" North ¶	" ...	475	20,000	...	
8	Redhead Spring ...	" ...	485	1,000	...	Mud springs choke the drains.
9	Palparara Spring ¶	" ...	502	small ...	...	Near No. 18 bore.
		" ...	513	7,000	cool ...	This group extends 2 miles along the Hamilton River.
10	Donkey Spring ¶	" ...	540	large ...	"	Improved by wells and bores; other unnamed springs extend about 8 miles along Hamilton River.
11	Mommedah Spring ¶	" ...	543	" ...	"	
12	Parthanga ...	" ...	about 585	20,000	...	Have supplied 4,000 cattle.
13	Bullrush Springs ...	Beaudesert Run, Mackinlay	about 905	...	...	On the main divide at the head of Mackinlay River.
14	Blackeye Springs ¶	" ...	825	3,200	cool ...	West side of Mackinlay River.
15	Leilaville ...	Block No. 3 ...	...	trickles ...	...	Unimproved, mud and water springs.
16	Alice Springs ...	Fort Constantine	423	...	...	Midway between bores Nos. 1 and 8.
17	Fort Bowen ...	" ...	about 260	large ...	...	Springs scattered over half a square mile south-east of Mount Fort Bowen.
18	Mount Brown Group— Washpool Creek ¶ Reedy Spring ¶	Millungera Run	about 285	5,000	...	Large area of tea-tree and springs. ditto.
	Upper Spring ¶ Lower Spring ¶	" ...		50,000	cool and warm	
19	Crocodile Springs ...	" ...	about 260	...	some hot	Flows 8 miles in winter; good water. Inferior water to the upper springs.
20	Tharwan Spring ...	Savannah Downs	about 260	2,000	...	Cover half a mile; fill large waterhole.
21	Tailing Yard Spring ...	" ...		...	...	Fills a shallow sandy hole.
22	Cooradine Spring ...	" ...		...	...	Covers 1 acre.
23	Middle Springs ...	" ...		30,000	...	Fills a large waterhole. Water runs from mound into troughing.
24	(G) no name ...	" ...	...	10,000	...	Covers 150 acres; supply 500 cattle.
25	The Plain Spring ...	" ...	...	100,000	about 110	Resembles the Elizabeth Springs; large mound covered with palms, &c.; flow of water into troughing. ditto.
26	Currajong Spring ...	" ...	about 400 to 600	50,000	about 100	
27	George's Spring ...	" ...	400 to 600	40,000	...	Flat spring; filling waterhole.
28	Wombat Spring ...	" ...	600	2,000	...	Covers 10 acres.
29	Pelham Spring ...	" ...	...	50,000	...	
30	Sandy Camp ...	" ...	...	...	...	Covers half a mile; many pools.
31	Dead Dog Spring ...	" ...	...	10,000	...	Two fenced springs; run the creek 1½ mile.
32	The Five Springs ...	" ...	...	5,000	...	Peaty mounds; drains lead to a pool.
33	Native Dog ...	" ...	...	2,000	...	Supply 200 cattle.
	Cockatoo ...	" ...	...	5,000	...	Both peat mounds and clay holes exist.
34	Snider Springs ...	" ...	...	...	...	Cover 100 acres; boggy and unimproved.
35	Black Cow ...	Woodstock ...	about 700	...	...	Are an extensive series of springs similar to those on Savannah Downs. No particulars to hand.
36	Majenta ...	" ...		...	...
37	Woodstock ...	" ...		...	...
38	Victoria ...	" ...		...	...
39	Kilgin Spring ... ¶	Saxby Downs ...	565	29,640	94 to 115	Large spring—emits both potable and corrosive water. (See detail description in the 1897 Report.)
40	Waddy, North ¶	" ...	535	2,880	} cool	Supply troughing.
	" South ¶	" ...	535	3,360		
41	Gorge ...	" ...	555	...	" ...	Extend nearly 1 mile; unimproved.
42	Berinda ...	" ...	565	3,750	" ...	Two mounds, one drained and improved runs 3,750 galls. steadily into troughing.

TABLE OF PERENNIAL SPRINGS—continued.

Reference Number.	Name.	Locality.	Altitude above Mean Sea-level, in feet.	Flow, Gallons per day.	Temperature, Fahrenheit Degrees.	Remarks.
43	Denham Plains ...	Saxby Downs ...	...	...	...
44	Mill Mill ...	" ...	...	20,000	...	Like the Kilgin Spring.
45	Wombat ...	" ...	...	30,000	...	Fills troughing and runs into creek.
46	Eureka ...	Eureka Run ...	...	60,000	...	Flows $\frac{1}{2}$ -mile in creek.
47	"	Dalgonally Run	320 to 410	good	82 to 122	There are springs adjoining each bore site. (See table of bores.)
48	"The" Springs	Manfred Downs	420	"	81	Have been improved. Pumped by windmills into troughing. Analysis No. 62.
49	Station Springs	" ...	438	"	87	Analysis 63
50	Boonooke and Ruthven	" ...	430	"	84	Analysis 69
51	Lara ...	" ...	355	"	86	Analysis 65
52	Devlin Spring...	Redcliffe Run ...	...	...	cool ...	Medium output.
53	Gardner's Spring	" ...	1,485	3,000	" ...	Fills a dam in rocky gully.
54	Middle Spring	" ...	1,485	about 2,000	" ...	
55	Old Overshot ...	" ...	1,470	...	" ...	Fills a dam on same level.
56	"Hut" ...	" ...	1,450	350	" ...	Fills a pool.
57	"Trough" ...	" ...	...	350	" ...	Supply troughing and dam.
58	Native ...	Lammermoor Rn.	P 1,280	10,000	" ...	
59	Wingara or Five-Mile	Uanda Run ...	1,070	1,430	" }	Fills troughing by float valves.
60	Nine-Mile ...	" ...	1,015	1,430	" }	
61	Caledonia ...	Caledonia Run	980	2,000	" ...	Boxed well. Does not overflow, bailed.
62	Atherton ...	Aberfoyle Run	880	9,260	85	Peat mound, drained into waterholes.
63	Dunbar Group	" ...	860	2,000	cool ...	Scattered smaller springs.
64	Aberfeldie Group	" ...	840	...	" ...	Boxed well and scattered springs.
65	Big Spring ...	Corinda Run ...	...	...	...	on Block Mongooburra. Unimproved.
66	Thunderbolt Creek Group	" ...	...	large	...	Springs occur at close intervals, feeding waterholes for fifteen to twenty miles.
67	Jericho, Five-Miles	" ...	830	18,300	80	Artesian springs. Fenced and improved.
68	Camp Spring ..	" ...	805	3,600	80	Peat mound, supplying boundary riders' camp and stock.
69	Jericho, Two-Miles ...	" ...	...	3,840	cool ...	Large peat mound. Drained.
70	Winter or One-Mile ...	" ...	785	...	...	200 by 400 yards. Unimproved.
71	Lagoon Spring ...	" ...	...	...	...	Lagoon, 150 by 20 yards. Kept full.
72	Thunderbolt ...	" ...	775	10,000	78	Drained to lagoon for stock.
73	Old Jericho Spring ...	" ...	...	10,000	...	Unimproved.
74	Poison Spring...	" ...	...	...	...	on Block Rainsby. Surrounded by poison bush.
75	Marion Spring	Marion No. 2 ...	P 1,220	900	79	In Desert Sandstone.
76	McKenzie's ...	Bowen Downs ...	...	Supply	...	Block Huffer South
77	Archer's ...	" ...	...	large	...	Block Taberno ...
78	Kennedy's ...	" ...	...	number	...	ditto ...
79	McDonald's ...	" ...	...	of sheep.	...	Block Spring Downs
80	Sandy Creek ...	Barcoorah Run	P 935	24,000	...	Desert Water. Fills a mile of lagoons.
81	Barcoorah ...	" ...	...	6,370	...	Supplies the homestead.
82	Barcoorah, Two-Mile...	" ...	...	small	...	At head of Pelican Creek.
83	North Springs	Aramac Run ...	P 800	50,000	...	
84	Twenty-Mile ...	" ...	...	10,000	...	
85	Big Moon ...	" ...	...	100,000	...	
86	Sawpit ...	" ...	...	10,000	...	
87	Five-Mile ...	" ...	over	10,000	90	Cover many acres north of Lake Mueller.
88	Friendly ...	" ...	750	10,000	...	
89	Jersey ...	" ...	...	100,000	...	
90	...	Coreena Run ...	...	...	...	Has many artesian springs.
91	Black Springs ...	near Georgetown	...	...	very hot	Emits clouds of steam.
92	The Hot Springs	Herberton	...	...	hot ...	
93	Banban ...	near Gayndah ...	...	2,000,000	...	
94	Dismal Creek ...	Maryvale, H. S.	...	large	...	From a rocky drift.
95	Cutt's, Paradise Creek	Maryvale Run...	...	good	...	At foot of Cutts Mountain; supplies 200 cattle.
96	Barcoo River ...	Northampton ...	...	"	...	About seven mudsprings; sufficient to supply local stock.
97	Pop's Springs ...	Ravensbourn ...	...	fair	...	Desert Springs on west slope of
98	Fern Springs ...	" ...	...	"	...	Enniskillen Range; supply cattle.
99	Bexley, G. F. ...	Longreach ...	...	good	...	Supplies homestead by gravitation.
100	Total ...	Alfred Downs ...	...	"	...	Desert Springs; supplies 100 horses and cattle.
101	Stonehenge ...	Bimerah Run	...	"	...	Improved by a well; supplies town in drought.
102	Johnstone Range	Bimerah Run ...	...	small	...	Several small springs; not utilised.
103	Swanvale ...	Swanvale ...	...	good	...	The only permanent water on run.
104	Oakvale ...	near Herberton	...	"	...	Mineral Springs. See Analyses 195 and 196. (From <i>Queensland Government Mining Journal</i> , 15-5-00, p. 2.)
105	Innott or Nettle's Creek	" ...	...	"	158 to 168	

WATER ANALYSES—continued.

Reference.	Locality.	Source.	Date.	Total Solids.	Suspended Matter.		Silica, SiO ₂ .	Iron, Fe ₂ O ₃ (with Alumina).	Carbonates.				Chlorides.			Sulphates, as SO ₄ .	Nitrates, as NO ₃ .	Hardness.	PARTS PER MILLION.		Remarks.
					Fixed.	Volatile (not CO ₂).			Calcium, CaCO ₃ .	Magnesium, MgCO ₃ .	Sodium, Na ₂ CO ₃ .	Sodium, NaCl.	Potassium, KCl.	Total Chlorine, Cl.	Free.				Ammonia.	Oxygen for moist combustion.	
U	Mackay Lagoon Well...	Well	Aug., 1890	14.50	...	...	...	...	...	...	...	...	...	...	...	...	...	0.043	0.026	3.0	(Good for domestic purposes, stock, and irrigation; solid residue consists chiefly of carbonate of lime, chloride of sodium, with small quantities of sulphate of lime, and traces of magnesia.)
V	Powen Downs, 1—Kanaka ...	Art.	27 Sept., 1891	66.36	...	...	...	...	...	...	...	...	...	...	...	...	...	0.48	0.06	1.5	
W	Ditto 2—Grange ...	Art.	27 Sept., 1891	25.76	...	...	...	...	...	...	...	...	...	...	...	...	...	0.14	0.02	2.0	
X	Ditto 3—Land's End ...	Art.	27 Sept., 1891	25.90	...	...	...	...	...	...	...	...	...	...	...	...	...	0.09	0.02	...	
Y	Ditto 4—Muttaborra road ...	Art.	22 Aug., 1892	47.32	...	...	...	...	...	...	...	...	...	...	...	...	...	0.16	0.20	...	
1	Boatman Bore, 1 ...	Art.	5 Mar., 1895	34.15	...	...	...	...	...	...	...	...	...	...	...	...	...	0.15	0.02	...	Residue chiefly chloride, sulphate, and carbonate of sodium.
2	Box Spring, Mount Datson ...	Spg.	...	36.0	...	...	...	...	...	...	...	...	...	...	...	...	...	0.40	none	...	Soft, and suitable for domestic, stock, irrigation, and woolscouring purposes.
3	Brighton Downs, 1—McCartney's Creek	Art.	26 Feb., 1896	49.0	...	...	...	...	...	...	...	...	...	...	...	...	...	0.78	none	...	
4	Brighton Downs, 2—Macunda Ck.	Art.	17 Feb., 1896	38.0	...	...	...	...	...	...	...	...	...	...	...	...	...	0.64	none	...	This water is similar to other bore waters analysed; good for domestic purposes, wool-scouring, and for irrigation. The hot water deposits stalagmite while cooling.
5	Dagworth, Crescent Bore ...	Art.	18-20 Nov., '95	28.6	...	...	...	...	...	...	...	...	...	...	...	...	...	0.24	trace	...	
6	Darr River Downs, 4 ...	Art.	23 Dec., 1895	53.0	...	...	...	...	...	...	...	...	...	...	...	...	...	0.14	0.10	...	Alkaline; contains large quantity of free ammonia; may be safely used for domestic purposes.
7	Dillah, 2 (Loddon) ...	Art.	24 Nov., 1893	33.8	...	...	...	...	...	...	...	...	...	...	...	...	...	9.75	1.0	...	This water is good for wool-scouring and thoroughly safe; but not good for irrigation.
8	Mount Cornish, Dotswood ...	Art.	Oct., 1893	23.9	...	...	...	...	...	...	...	...	...	...	...	...	...	0.08	none	...	Evidently a natural artesian water.
9	Elizabeth Spring (natural) ...	Spg.	17 Mar., 1896	43.0	...	...	...	...	...	...	...	...	...	...	...	...	...	0.24	0.02	...	Used for wool-scouring.
10	Lucknow ...	Art.	5 Feb., 1896	32.0	...	...	...	...	...	...	...	...	...	...	...	...	...	0.42	none	...	Analysis cannot be relied on; water badly packed.
11	Llanrheidol, 1 ...	Art.	30 Jan., 1896	30.0	...	...	...	...	...	...	...	...	...	...	...	...	...	0.08	none	...	Total solids, chlorine and free ammonia high, but safe for domestic purposes; if regularly used for irrigation would probably be detrimental to vegetation.
12	Nine-mile (Aramac Divisional Board)	Art.	Sept., 1893	65.0	...	...	...	...	...	...	...	...	...	...	...	...	...	0.346	0.03	...	
13	Thargomindah ...	Art.	Oct., 1893	56.0	...	...	...	...	...	...	...	...	...	...	...	...	...	0.54	0.04	2.0	Contains less chlorine and alkalis than the general run of bore waters.
14	Warenda, 19—Warra ...	Art.	6 May, 1896	36.0	...	...	...	...	...	...	...	...	...	...	...	...	...	0.32	0.01	...	As potable waters undesirable; have a faint saline taste.
15	Ditto 6—Bunda ...	Art.	2 May, 1896	36.6	...	...	...	...	...	...	...	...	...	...	...	...	...	0.80	trace	...	
16	Ditto 2—Palparara ...	Art.	7 April, 1896	39.0	...	...	...	...	...	...	...	...	...	...	...	...	...	0.72	trace	...	
17	Winton (deep bore) ...	Art.	April, 1896	25.0	...	...	...	...	...	...	...	...	...	...	...	...	...	0.48	trace	...	
18	Normanton Bore ...	Art.	Nov., 1895	276.0	...	...	...	...	...	...	...	...	...	...	...	...	...	1.00	0.01	...	
19	Ditto ...	Art.	21 Dec., 1895	275.5	...	...	...	...	...	...	...	...	...	...	...	...	...	1.40	0.05	...	
20	Prairie Bore ...	Sub.	Oct., 1894	58.0	...	...	...	...	...	...	...	...	...	...	...	...	...	0.04	0.04	3.50	
21	Bundaberg—Steindl's Well ...	Well	Aug., 1896	12.0	...	...	...	...	...	...	...	...	...	...	...	...	...	0.21	trace	...	Unsuitable for domestic or irrigation purposes.
22	Gympie—Deep Lead Well ...	Well	Aug., 1895	15.0	...	...	...	...	...	...	...	...	...	...	...	...	...	0.24	trace	...	Water of doubtful potability; frequent analyses recommended.
23	Heidon—Smith's Well ...	Well	Dec., 1895	1027.6	...	...	...	...	...	...	...	...	...	...	...	...	...	trace	0.6	...	
24	Thuringowa Board—Test Well ...	Well	6 Jan., 1896	8.6	...	...	...	...	...	...	...	...	...	...	...	...	...	0.13	0.01	...	

WATER ANALYSES—continued.

Reference.	Locality.	Source.	Date.	Total Solids.	Suspended Matter.		Silica, SiO ₂ .	Iron, Fe ₂ O ₃ (with Alumina).	Carbonates.			Chlorides.			Sulphates, as SO ₄ .	Nitrates, as NO ₃ .	Hardness.	PARTS PER MILLION.		Remarks.	
					Fixed.	Volatile (not CO ₂).			CaCO ₃ .	MgCO ₃ .	Na ₂ CO ₃ .	Sodium, NaCl.	Potassium, KCl.	Total Chlorine, Cl.				Free.	Ammonia.		Oxygen for moist combustion.
25	Toowoomba—Kearney's Springs	Spg.	29 May, 1895	9.2	0.16	0.06	..	Probably contaminated with sewage.
26	Ditto Red Lion Well	Well	29 May, 1895	10.4	..	..	..	..	..	..	..	..	..	..	..	..	..	0.008	0.004	..
27	Ditto Reservoir	Well	29 May, 1895	16.2	..	..	..	..	..	..	..	..	..	..	..	..	..	0.04	0.038	..
28	Ditto Stephens street	Well	29 May, 1895	42.0	..	..	..	..	..	..	..	..	..	..	..	..	..	0.282	0.042	..
29	Ditto School of Arts	Well	29 May, 1895	18.2	..	..	..	..	..	..	..	..	..	..	..	..	..	0.008	0.006	..
30	Ditto Old Govt. James street	Well	..	31.0	..	..	..	..	..	..	..	..	..	..	..	..	..	0.16	0.01	..
31	Ditto Stephens street (large)	Well	..	41.0	..	..	..	..	..	..	..	..	..	..	..	..	..	0.18	0.04	..
32	Ditto Stephens street (small)	Well	..	43.0	..	..	..	..	..	..	..	..	..	..	..	..	..	0.21	0.07	..
33	Bundaberg—Baldwin's Creek	Riv.	Aug., 1896	17.0	..	..	..	..	..	..	..	..	..	..	..	..	..	0.27	0.07	..
34	Gympie—Mary River	Riv.	3 Aug., 1896	17.0	..	..	..	..	..	..	..	..	..	..	..	..	..	0.27	0.07	..
35	Rockhampton—Scrubby Creek	Riv.	Feb., 1896	61.0	..	..	..	..	..	..	..	..	..	..	..	..	..	0.27	0.07	..
36	Eulo, 2—Woolscour	Art.	7 July, 1896	27.0	..	..	..	..	..	..	..	..	..	..	..	..	..	0.27	0.07	..
37	Kynuna, 2—Bellkate	Art.	12 July, 1896	26.45	..	..	..	..	..	..	..	..	..	..	..	..	..	0.27	0.07	..
38	Warenda, 13—Gydhya	Art.	9 June, 1896	46.25	..	..	..	..	..	..	..	..	..	..	..	..	..	0.27	0.07	..
39	Toolebuc, 5	Art.	9 June, 1896	52.95	..	..	..	..	..	..	..	..	..	..	..	..	..	0.27	0.07	..
40	Tinnenburra, 1	Art.	21 Aug., 1896	35.65	..	..	..	..	..	..	..	..	..	..	..	..	..	0.27	0.07	..
41	Ditto 2	Art.	16 Aug., 1896	28.5	..	..	..	..	..	..	..	..	..	..	..	..	..	0.27	0.07	..
42	Ditto 3	Art.	14 Aug., 1896	37.75	..	..	..	..	..	..	..	..	..	..	..	..	..	0.27	0.07	..
43	Ditto 4	Art.	23 Aug., 1896	39.25	..	..	..	..	..	..	..	..	..	..	..	..	..	0.27	0.07	..
44	Ditto 5	Art.	25 Aug., 1896	38.75	..	..	..	..	..	..	..	..	..	..	..	..	..	0.27	0.07	..
45	Ditto 7	Art.	28 Aug., 1896	34.5	..	..	..	..	..	..	..	..	..	..	..	..	..	0.27	0.07	..
46	Ditto 8	Art.	30 July, 1896	33.75	..	..	..	..	..	..	..	..	..	..	..	..	..	0.27	0.07	..
47	Ditto 9	Art.	26 Aug., 1896	33.35	..	..	..	..	..	..	..	..	..	..	..	..	..	0.27	0.07	..
48	Cairwarr, 1	Art.	11 Sept., 1896	46.35	..	..	..	..	..	..	..	..	..	..	..	..	..	0.27	0.07	..
49	Ditto 2	Art.	8 Sept., 1896	35.60	..	..	..	..	..	..	..	..	..	..	..	..	..	0.27	0.07	..
50	Kahmoo Bore	Art.	13 Oct., 1896	28.75	..	..	..	..	..	..	..	..	..	..	..	..	..	0.27	0.07	..
51	Burrabilla Bore, 1	Art.	16 Oct., 1896	33.90	..	..	..	..	..	..	..	..	..	..	..	..	..	0.27	0.07	..
52	Beaudesert, 7—Bluey Creek	Art.	29 July, 1896	63.10	..	..	..	..	..	..	..	..	..	..	..	..	..	0.27	0.07	..
53	Ditto 4—Snake Creek	Art.	13 Aug., 1896	36.55	..	..	..	..	..	..	..	..	..	..	..	..	..	0.27	0.07	..
54	Quambytook	Art.	29 Aug., 1896	25.6	..	..	..	..	..	..	..	..	..	..	..	..	..	0.27	0.07	..
55	Eulo, 3—Wildduck	Art.	24 Aug., 1896	24.05	..	..	..	..	..	..	..	..	..	..	..	..	..	0.27	0.07	..
56	Beaudesert, 6—Rangeview Creek	Art.	10 Aug., 1896	42.45	..	..	..	..	..	..	..	..	..	..	..	..	..	0.27	0.07	..
57	McKinlay Town	Art.	15 Aug., 1896	42.1	..	..	..	..	..	..	..	..	..	..	..	..	..	0.27	0.07	..
58	Beaudesert, 1—Gidea Creek	Art.	26 July, 1896	57.9	..	..	..	..	..	..	..	..	..	..	..	..	..	0.27	0.07	..
59	Fort Constantine, 3A—Elder Creek	Art.	3 Oct., 1896	49.45	..	..	..	..	..	..	..	..	..	..	..	..	..	0.27	0.07	..
60	Ditto 1—Alice	Art.	16 Oct., 1896	60.35	..	..	..	..	..	..	..	..	..	..	..	..	..	0.27	0.07	..
61	Ditto 8—Kennedy's Yard	Art.	17 Oct., 1896	62.3	..	..	..	..	..	..	..	..	..	..	..	..	..	0.27	0.07	..
62	Manfred Downs, 2B—The Springs	Art.	11 Dec., 1896	42.6	..	..	..	..	..	..	..	..	..	..	..	..	..	0.27	0.07	..
63	Ditto 1—Windmill	Art.	14 Nov., 1896	23.8	..	..	..	..	..	..	..	..	..	..	..	..	..	0.27	0.07	..
64	Ditto 11—Pennsylvania	Art.	7 Dec., 1896	25.8	..	..	..	..	..	..	..	..	..	..	..	..	..	0.27	0.07	..
65	Ditto 8B—Lara	Art.	11 Dec., 1896	22.9	..	..	..	..	..	..	..	..	..	..	..	..	..	0.27	0.07	..
66	Ditto 15—Katnook	Art.	22 Nov., 1896	23.2	..	..	..	..	..	..	..	..	..	..	..	..	..	0.27	0.07	..
67	Ditto 12—Binnun	Art.	..	22.65	..	..	..	..	..	..	..	..	..	..	..	..	..	0.27	0.07	..
68	Ditto 3—Stud Paddock	Art.	14 Nov., 1896	24.6	..	..	..	..	..	..	..	..	..	..	..	..	..	0.27	0.07	..
69	Ditto 7—Boonook	Art.	12 Nov., 1896	27.5	..	..	..	..	..	..	..	..	..	..	..	..	..	0.27	0.07	..

30 g. p. g. of soda carbonate probably prejudicial to vegetation.

Distinctly saline taste, but is used for the kitchen garden.

Better than most bore waters.

Suitable for domestic purposes, and for stock and irrigation.

Samples are better than most bore waters, and may be used for domestic purposes, stock, and irrigation. All show traces of potash, but no sulphates.

WATER ANALYSES—continued.

Reference.	Locality.	Source.	Date.	GRAINS PER GALLON.										PARTS PER MILLION.			Remarks.					
				Total Solids.		Suspended Matter.		Silica, SiO ₂ .	Iron, Fe ₂ O ₃ (with Alumina).	Carbonates.			Chlorides.			Sulphates, as SO ₄ .		Nitrates, as NO ₃ .	Hardness.	Ammonia.		Oxygen for moist combustion.
				Fixed.	Volatile (not CO ₂).	CaCO ₃ .	MgCO ₃ .			Sodium, Na ₂ CO ₃ .	Sodium, NaCl.	Potassium, KCl.	Total Chlorine, Cl.	Free.	Albuminoid.							
70	Dillalah, 3—Hythe	Art.	April, 1897	109.48	45.39	20.67	...	...	1.44	trace	20.64	23.40	trace	...	...	...	...	...	...	...	...	Water very muddy; sample of doubtful value. Sulphuretted hydrogen. H ₂ S = .332 g. p. g.; unfit for domestic or stock purposes.
71	Sixty-five Mile Government Bore	Art.	24 Oct., 1891	70.12	...	6.60	...	...	...	48.72	...	...	9.80	0.65	...	...	...	...	...	...	...	Suitable for irrigation.
72	Lakeview, Barcaldine	Art.	14 June, 1892	20.0	...	...	...	...	...	...	...	...	...	2.70	...	...	...	...	...	...	...	Soda, 21.07; potash, 19.05 g. p. g.; potable, but not well suited for irrigation.
73	Dillalah Station Bore, 1	Art.	11 July, 1892	73.28	...	trace	...	...	4.13	...	...	...	...	...	...	...	...	...	...	...	...	Potash sulphate, 17.16; H ₂ S 2.04 g. p. g.; only suitable for medicinal or wool-scouring purposes.
74	Westland Station Bore, 2	Art.	3 Nov., 1892	98.0	...	0.70	...	...	3.0	62.61	...	15.23	...	...	...	...	...	...	...	...	...	Lithium carb. 2.68; natural aerated mineral water.
75	Helidon Spa	Art.	4 Dec., 1894	233.01	...	...	0.29	trace	7.35	212.14	2.99	...	...	...	...	...	...	...	...	...	...	Potassium and sodium sulphates.
76	Roma Government Bore	Art.	24 Aug., 1897	73.95	...	...	1.83	0.63	2.11	0.97	37.34	23.39	...	...	7.17	...	...	...	...	...	...	Casing very badly corroded.
77	Telemon, 1—Woolshed	Art.	26 Mar., 1897	32.00	...	...	1.45	2.80	1.40	1.06	14.00	8.75	...	...	2.01	...	...	...	...	...	...	Suspended matter, 32.2 g. p. g.
78	Ditto 2—Whitehead	Art.	23 Mar., 1897	33.50	...	...	1.60	trace	3.15	3.18	13.77	9.08	...	...	trace	...	...	...	...	...	...	Organic matter and sulphates, 5.66; sewage contamination.
79	Ditto 3—Telemon	Art.	23 Feb., 1897	22.50	...	...	1.20	1.40	4.45	6.43	2.74	5.78	...	...	...	...	...	...	...	...	...	Sewage contamination.
80	Maryborough, 1—Sewage	...	10 Oct., 1897	411.70	192.5	187.0	...	...	8.50	1.21	...	27.50	0.70	84.00	21.00	...	...	...	...	...	...	Fairly good.
81	Ditto 2—(?)	...	10 Oct., 1897	54.00	...	...	1.95	3.10	...	...	...	...	...	...	...	...	...	...	...	...	...	Too much chlorides for domestic purposes.
82	Ditto 3—Turkey Creek	Riv.	10 Oct., 1897	20.00	...	0.90	1.00	2.00	3.30	2.10	...	10.70	...	6.50	trace	...	...	...	...	...	...	Zinc, 2.55 g. p. g.
83	Ditto 4—Intake	Riv.	10 Oct., 1897	10.00	...	1.10	1.10	1.20	1.50	trace	...	5.10	...	3.20	...	...	...	...	...	...	...	Fairly good.
84	Toowoomba—Gents'	Well	20 Aug., 1897	16.00	...	...	...	...	...	...	...	...	...	8.50	...	...	...	...	...	...	...	Too much chlorides for domestic purposes.
85	Ditto Kelly's Paddock	Well	20 Aug., 1897	127.00	...	...	...	...	...	...	...	...	...	71.00	...	...	...	...	...	...	...	Zinc, 2.55 g. p. g.
86	Ditto Pound's Paddock	Well	20 Aug., 1897	13.00	...	...	...	...	...	...	...	...	...	2.50	...	...	...	...	...	...	...	Fairly good.
87	Ditto Perkins'	Well	20 Aug., 1897	10.00	...	...	...	...	...	...	...	...	...	2.10	...	...	...	...	...	...	...	...
88	Ditto Paul's	Well	20 Aug., 1897	11.00	...	...	...	...	...	...	...	...	...	4.90	...	...	...	...	...	...	...	...
89	Thornborough	Well	20 Nov., 1897	80.00	...	...	2.30	...	12.10	19.00	0.53	24.76	...	...	15.86	...	...	...	...	...	...	Undetermined, 5.45 g. p. g.
90	Kingsborough	Well	17 Nov., 1897	49.00	...	...	2.30	1.30	10.80	13.26	10.06	10.23	...	...	trace	...	...	...	...	...	...	Undetermined, 1.05 g. p. g.
91	Britannia	Well	17 Nov., 1897	76.00	...	...	3.00	1.90	20.20	7.27	...	13.95	...	...	17.80	...	...	...	...	...	...	Undetermined, 7.38 g. p. g.; magnesium chloride, 4.5 g. p. g.; magnesium sulphate, 17.80.
92	Dalgonally, 1—Fullarton	Art.	28 Oct., 1896	48.05	...	...	1.46	0.47	1.64	1.25	23.80	17.80	...	...	...	...	...	...	...	...	...	Potash carbonate, 0.17 g. p. g.
93	Ditto 2—Gilliat	Art.	29 Oct., 1896	29.00	...	...	1.46	0.31	1.12	0.87	19.33	5.76	...	...	...	...	...	...	...	...	...	Potash carbonate, 0.15 g. p. g.
94	Bando, 1—Roto	Art.	21 April, 1897	25.90	...	...	2.32	0.48	1.06	1.34	15.02	5.60	...	...	...	...	...	...	...	...	...	Potash carbonate, 0.17.
95	Dunwich Asylum	Riv.	26 Jan., 1898	6.50	...	...	2.85	...	...	...	15.40	4.95	...	...	...	...	...	...	...	...	...	From Yerroll Creek, near the sea.
96	Millungera—Bowwater	Art.	22 Dec., 1896	26.00	...	...	...	...	1.40	...	...	...	...	...	0.50	...	...	...	...	...	...	Magnesium sulphate, 0.50 g. p. g.; good water.
97	Aramac Town	Art.	21 June, 1897	21.80	...	...	3.00	trace	2.60	trace	10.10	6.10	...	...	...	...	...	...	...	...	...	Potassium trace; good water.
98	Saxby, 1—Central	Art.	19 Jan., 1897	25.70	...	...	2.50	1.00	1.60	1.60	10.63	6.93	...	...	...	...	...	...	...	...	...	Potassium carb. trace; good water.
99	Ditto 2—Mill Mill	Art.	21 Jan., 1897	25.08	...	...	...	trace	trace	trace	16.38	4.62	...	...	...	...	...	...	...	...	...	Potassium carb. trace; good water.
100	Dalgonally, 3—Twelve-Mile	Art.	2 Nov., 1896	43.67	...	...	2.90	...	1.50	...	15.26	23.76	...	...	0.25	...	...	...	...	...	...	Magnesium sulphate, 0.25; potassium carb. none.

WATER ANALYSES—continued.

Reference	Locality.	Source.	Date.	GRAINS PER GALLON.										PARTS PER MILLION.			Remarks.		
				Suspended Matter.		Silica, SiO ₂ .	Iron, Fe ₂ O ₃ (with Alumina).	Carbonates.			Chlorides.			Sulphates, as SO ₄ .	Nitrates, as NO ₃ .	Hardness.		Ammonia.	Oxygen for moist combustion.
				Fixed.	Volatile (not CO ₂).			CaCO ₃ .	MgCO ₃ .	Na ₂ CO ₃ .	CaCl ₂ .	MgCl ₂ .	NaCl.							Potassium, KCl.	Total Chlorine, Cl.
101	Dalgonally, 4—Springs	Art.	3 Nov., 1896	26.50	...	2.80	...	2.10	...	15.40	6.00	...	0.20	trace	...	...	...	Magnesium sulphate, 0.20; potassium carb. trace.
102	Cressbrook Creek	W.H.	17 Feb., 1898	32.60	...	3.20	...	9.00	7.00	7.00	12.70	...	trace	trace	0.05	4.0	...	Volatile CO ₂ , 7.26 g. p. g.	
103	Boort, near Cunnamulla	Well	2 Jun., 1897	1261.00	...	29.70	...	61.00	49.8	319.4	...	...	196.0	...	...	...	...	Carbonic acid, 8.1 g. p. g.; *metals returned as elements, not salts.
104	Bunda-Bunda, 1—Blackhill	Art.	29 Dec., 1896	25.50	...	1.90	...	0.80	trace	18.50	4.30	...	trace	0.40	...	...	...	Good for domestic, stock, and irrigation purposes.
105	Ditto 2—Telegraph	Art.	6 Jan., 1897	25.00	...	2.50	...	0.50	trace	17.60	4.40	...	trace	0.80	...	...	...
106	Ditto 3—Ashes	Art.	30 Dec., 1896	25.50	...	1.80	...	0.90	trace	17.90	4.30	...	trace	0.90	...	...	...	Good for domestic purposes; sodium sulphate, 1.20 g. p. g.
107	Ditto 4—Station	Art.	2 Jan., 1897	26.00	...	1.80	...	0.90	trace	19.00	4.30	...	trace	0.90	...	...	...
108	Cambridge Downs, 4—Ram Creek	Art.	12 Feb., 1897	23.50	...	1.90	...	2.20	1.80	10.60	5.80	...	1.20	...	...	...	...	Good for domestic purposes; sodium sulphate, 1.00 g. p. g.
109	Ditto 7—Flagstone	Art.	17 Feb., 1897	30.50	...	4.40	...	1.70	1.20	16.10	5.60	...	1.00	...	...	...	...
110	Bando Government Bore	Art.	14 Feb., 1897	27.20	...	2.00	...	1.30	0.85	14.80	7.40	...	0.05	...	...	...	...	Good for domestic purposes; sodium sulphate, 1.00 g. p. g.
111	Murweb, 1—Pericoota	Art.	2 May, 1897	47.00	...	1.60	...	1.40	0.80	23.00	15.20	...	4.80	...	...	...	...
112	Ditto 2—Toorumbury	Art.	4 May, 1897	61.50	...	2.70	...	1.10	0.50	29.70	21.10	...	5.80	...	...	...	...	Good for domestic and stock purposes; doubtful for irrigation.
113	Ditto 3—Warrego	Art.	6 May, 1897	59.50	...	3.60	...	1.20	2.80	31.10	20.80	...	trace	...	...	...	...
114	Ditto 4—Neville Forest	Art.	3 April, 1897	55.00	...	2.20	...	0.90	0.50	34.50	15.50	...	trace	...	...	...	...
115	Claverton, 1—Wyandra	Art.	13 April, 1897	36.25	...	1.80	...	0.60	0.50	19.40	12.55	...	...	...	...	...	...	Potash trace; good for domestic and stock purposes; doubtful for irrigation.
116	Ditto 2—Burke	Art.	15 April, 1897	54.00	...	2.00	...	0.80	0.32	36.73	12.55	...	...	...	...	...	...
117	Ditto 3—Alicia	Art.	23 April, 1897	36.25	...	2.20	...	0.90	0.15	23.00	10.00	...	...	...	...	...	...	Good for domestic and stock purposes; doubtful for irrigation.
118	Rocklands—Camooweal Bore	Sub.	18 May, 1897	40.37	...	3.30	...	0.90	8.23	...	11.44	...	6.12	...	...	...	...
119	Afton Downs, 2—Afton	Art.	17 April, 1897	21.00	...	1.90	...	4.20	6.00	1.60	5.00	...	1.40	...	...	...	...	0.30 g. p. g. Sulphates of sodium; hardness may interfere with some uses; potable, although No. 4 rather saline.
120	Ditto 3—Finnu Creek	Art.	23 April, 1897	25.50	...	2.20	...	4.30	7.20	1.30	7.20	...	1.30	...	...	...	...
121	Ditto 4—Cannonhall	Art.	24 April, 1897	47.60	...	2.60	...	1.40	0.60	17.00	11.00	...	15.00	...	...	...	...	Carbonic acid, 14.40; *metals returned as elements, not salts.
122	Ditto 5—North East	Art.	16 April, 1897	21.50	...	1.70	...	4.50	7.40	1.90	5.60	...	0.40	...	...	...	...
123	Allora—Deacon's	Well	17 May, 1898	224.00	...	1.75	...	5.40	4.36	71.61	...	...	112.70	...	...	...	...	See No. 76 also.
124	Roma Government Bore	Art.	12 Oct., 1897	50.00	...	1.60	...	0.50	0.30	23.00	15.50	...	8.90	traces	1.5	0.01	13.00		
125	St. Lawrence—Town Dam	W.H.	1 June, 1898	7.50	...	...	...	...	...	...	...	...	...	0.10	1.0	0.52	12.50	Contaminated, not ditto 0.88 } organic matter.
126	Ditto—Port Denison	W.H.	1 June, 1898	6.50	...	...	...	...	...	...	...	...	...	...	...	...	...
127	Redcliffe (Hughenden)	Sub.	30 April, 1897	19.00	...	2.80	...	4.40	4.50	0.80	5.30	...	1.2	...	...	...	...	Hard, but good.
128	Sylvania, 2—Annandale	Art.	7 April, 1897	25.30	...	1.60	...	6.40	8.40	3.00	5.90	...	trace	...	...	...	...
129	Telemon, 4—Sawpit	Art.	31 Mar., 1897	21.00	...	1.50	...	4.00	6.90	2.60	5.40	...	...	...	...	...	...	Best bore water yet examined. See also No. 198.
130	Morven Town Bore	Sub.	15 Oct., 1897	17.00	...	2.40	...	0.50	0.30	11.20	1.60	...	...	...	...	...	...
131	Rocklands, Camooweal, 1	Sub.	24 Mar., 1897	42.01	...	3.89	...	7.84	7.30	7.35	...	...	19.00	...	...	...	...	0.34 g. p. g. } Bases and acids separated in these analyses.
132	Ditto ditto 2	Sub.	24 Mar., 1897	48.53	...	2.18	...	7.71	7.37	7.63	...	...	12.40	...	...	...	...
133	Avon Downs, ditto 2	Sub.	24 Mar., 1897	75.70	...	6.04	...	7.15	7.73	17.12	...	...	23.00	...	...	...	...
134	Elverston	Art.	26 Jan., 1898	45.86	...	0.86	...	1.57	trace	23.39	13.94	...	2.77	...	...	...	...	Alkaline reaction.
135	Toorak 1—Wild Duck	Art.	? Nov., 1892	29.00	...	...	...	some	some	some	some	...	4.12	some	...	...	...

WATER ANALYSES—continued.

Reference.	Locality.	Source.	Date.	Total Solids.	GRAINS PER GALLON.						PARTS PER MILLION.			Remarks.						
					Suspended Matter.		Silica, SiO ₂ .	Iron, Fe ₂ O ₃ (with Al ₂ O ₃).	Carbonates.			Chlorides.			Nitrates, as NO ₃ .	Hardness.	Free Ammonia.	Albuminoid.	Oxygen for moist combustion.	
					Fixed.	Volatile (not CO ₂).			Calcium, CaCO ₃ .	Magnesium, MgCO ₃ .	Sodium, Na ₂ CO ₃ .	Sodium, NaCl.	Potassium, KCl.							Total Chlorine, Cl.	Sulphates, as SO_{4}.
199	Broadsound Divisional Board, St. Lawrence	Riv.	7 Aug., 1900	8.20	...	...	...	...	...	...	...	...	...	...	...	...	5.70	Sample insufficient for complete analysis. Water contaminated with organic matter, and cannot be recommended as a first-class drinking water.	
200	Ditto	Riv.	14 Sept., 1900	7.40	...	...	...	...	...	...	...	1.80	1.60	...	...	...	0.15		6.40
201	Kilcummin Station	Sub.	4 Sept., 1900	1,245.00	...	...	4.90	2.50	55.20	...	651.90	...	...	...	...	...	...		...
202	Roma No. 2 Bore (Water)	Art.	18 Dec., 1900	45.91	...	...	2.02	0.28	0.68	0.93	31.18	9.73	trace	...	...	...	...	...	Magnesium sulphate = 7.8 g. p. g.; Magnesium chloride = 285.7 g. p. g.; Calcium chloride 237.0 g. p. g.; Sodium sulphate 1.09 g. p. g.; water has a strong odour of light mineral oil, otherwise it is a fair sample of bore water. Lighting power fair, being equal to gas produced from light petroleum oil.
203	Roma No. 2 Bore (Gas)	Art.	11 Dec., 1900	Composition equal to—Carbon dioxide gas = 1.5 per cent.; Carbon monoxide = 5.8; Benzene series = 5.8; Olefine series = 1.5; Paraffin series = 82.8, including ethane = 9.8 per cent.; Nitrogen residual gas = 3.4 per cent.; Oxygen, nil; Hydrogen, nil.																
204	Hughenden and Glendower Station	Sub.	24 Dec., 1900	281.61	255.85	25.76	2.41	0.98	45.70	6.86	65.24	...	51.94	2.40		...
205	Adavale Government Bore	Art.	12 Mar., 1901	55.23	44.52	10.71	0.56	0.14	15.75	18.13	Sulphuric acid = 76.16 g.p.g.; carbonic acid not determined; nitric acid, 11.6 part per million. Water quite unfit for domestic purposes, and can only be used with caution for stock. Magnesium chloride = 8.4 g. p. g.; potash and soda not determined. Instructions for taking sample not adhered to. Water unsuitable for irrigation purposes. For complete and very exhaustive details, see <i>Queensland Agricultural Journal</i> , May, 1901, p. 381. { Each water quite unfit for domestic or stock use, being highly contaminated with organic matter. Sodium sulphate = 0.78 g.p.g. Water unsuitable for irrigation purposes. } { This mineral water contains a large proportion of purgative salts, and would be harmful to cattle if an only supply of water.
206	Ditto	Art.	22 Jan., 1901	88.71	...	...	2.01	0.36	0.70	0.27	63.59	21.78	...	...	...	...	...	...	...
207	Lockyer Creek	Riv.	May, 1901	58.01	...	...	...	...	...	...	...	...	77.70	33.60	...	...	...	...
208	Coal Creek (No. 1), Esk District	Riv.	28 Jan., 1901	172.50	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Sodium sulphate = 0.78 g.p.g. Water unsuitable for irrigation purposes. { This mineral water contains a large proportion of purgative salts, and would be harmful to cattle if an only supply of water.
209	Ditto (No. 2)	Riv.	ditto	80.30	...	...	...	...	...	...	...	...	...	...	...	...	...	...
210	Longreach Bore	Art.	25 Feb., 1901	80.81	...	...	3.36	0.44	0.97	...	61.40	13.86	...	...	...	...	...	...
211	J. A. Winton's, Mitchell	...	2 May, 1901	468.32	...	...	7.50	2.48	5.60	...	...	281.21	...	...	...	...	...	...	...

WATER ANALYSES—continued.

Reference.	Locality.	Source.	Date.	Total Solids.	Suspended Matter.				Silica, SiO ₂ .	Iron, Fe ₂ O ₃ (with Alumina).	Carbonates.			Chlorides.			Sulphates, as SO ₄ .	Nitrates, as NO ₃ .	Hardness.	PARTS PER MILLION.			Remarks.
					Fixed.	Volatile (not CO ₂).	Calcium, CaCO ₃ .	Magnesium, MgCO ₃ .			Sodium, Na ₂ CO ₃ .	Sodium, NaCl.	Potassium, KCl.	Total Chlorine, Cl.	Free.	Ammonia.				Oxygen for iodine combustion.			
234	Yeppen Lagoon, Rockhampton	W.H.	21 June, 1902	55.50	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Not suitable for domestic use.
235	Dunganweate Lag., ditto	W.H.	25 July, 1902	93.10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Do. drinking.
236	Crescent Lagoon, ditto	W.H.	25 July, 1902	77.90	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Do.
237	Dunganweate Well, ditto	Well	25 July, 1902	66.00	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Uncertain as to sewage contamination.
238	Ditto Lag., ditto	..	25 July, 1902	96.90	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Driftwater; not fit for drinking purposes.
239	Fitzroy River, Rockhampton— Sample untreated, "1 October" Ditto treated, ditto	Riv.	20 Nov., 1903	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	The samples were very muddy; that of 1 October being the worse, and insufficient to make exhaustive tests.
240	Ditto untreated, "30 October" Ditto treated, ditto	Riv.	20 Nov., 1903	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
241	Rockhampton Town Supply— Crescent Lagoon, No. 1	W.H.	28 Mar., 1904	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Water contaminated with organic matter, not suitable for town supply.
242	Ditto	W.H.	28 Mar., 1904	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
243	Dunganweate Lagoon	W.H.	24 Apr., 1907	93.81	2.64	8.30	11.34	34.90	..	2.36	2.95	..	..	..	..	..	..	..	..	..	..	..	* Milligrams per litre; calcium sulphate, 12.75 g. p. g.; magnesium chloride, 21.21 g. p. g.; not suitable for domestic purposes.
244	Ditto	Spg.	26 Sept., 1907	89.55	..	..	10.77	56.60	..	6.09	2.80	..	..	..	..	..	..	..	..	..	..	..	* Milligrams per litre; calcium sulphate, 7.48 g. p. g.; unsuitable for domestic use and steam raising.
245	Burenda No. 1, Woolshed	Sub.	16 July, 1901	41.92	..	0.72	0.37	16.83	..	0.37	2.10	..	..	..	..	..	..	..	..	..	..	..	Sodium sulphate, 2.91 g. p. g.; suitable for stock and domestic purposes, but of doubtful value for irrigation.
246	Ditto No. 2, Burenda	Sub.	16 July, 1901	7.22	..	0.36	0.4	1.81	..	0.49	2.13	..	..	..	..	..	..	..	..	..	..	..	Sodium sulphate, 0.72 g. p. g. were properly taken; compare No. 193.
247	Ditto No. 3, Gidya Creek	Art.	16 July, 1901	5.95	..	0.73	0.34	1.78	..	0.44	1.54	..	..	..	..	..	..	..	..	..	..	..	Sodium sulphate, 1.15 g. p. g.; suitable for all ordinary purposes, and probably, with care, for irrigation.
248	Ditto No. 4, Fenian Creek	Art.	16 July, 1901	23.54	..	0.56	0.34	7.09	..	0.15	1.64	..	..	..	..	..	..	..	..	..	..	..	Calcium carbonate (CaCO ₃), 89.50. Magnesium carbonate (MgCO ₃), 4.06. Ferrrous carbonate (FeCO ₃), 5.05. Alkalies, &c. (by difference), 1.39.
249	Warbreccan Bore (specimen of incrustation inside of casing)	Art.	27 July, 1901	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Calcium sulphate, 1.15 g. p. g.; suitable for all ordinary purposes, and probably, with care, for irrigation.
250	Blackall M.C. No. 2 Bore	Art.	11 Oct., 1901	18.63	..	0.20	1.03	9.11	..	0.27	1.76	..	..	..	..	..	..	..	..	..	..	..	Sodium sulphate, 1.15 g. p. g.; good water suitable for domestic and stock purposes.
251	Cairns Water Supply— Freshwater Creek, Hamilton Plantation	Riv.	20 July, 1901	2.95	..	..	..	0.65	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Both waters are exceptionally pure and suitable for all purposes.
252	Freshwater Creek, above Red- lynch	Riv.	20 July, 1901	3.60	..	..	..	0.65	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Sodium sulphate, 2.31 g. p. g., suitable for domestic and stock purposes; doubtful for irrigation.
253	Roma Downs Bore	Art.	16 Aug., 1901	37.83	..	0.38	0.14	26.07	..	0.18	1.82	..	..	..	..	..	..	..	..	..	..	..	Suitable for domestic and stock purposes.
254	Cunnamulla Town Bore	Art.	28 Aug., 1901	34.82	..	0.69	0.45	24.48	..	0.25	2.19	..	..	..	..	..	..	..	..	..	..	..	Suitable for domestic and stock purposes.

WATER ANALYSES—continued.

Reference.	Locality.	Source.	Date.	GRAINS PER GALLON.									PARTS PER MILLION.			Remarks.				
				Suspended Matter.		Silica, SiO ₂ .	Iron, Fe ₂ O ₃ (with Alumina).	Carbonates.			Chlorides.			Sulphates, as SO ₄ .	Nitrates, as NO ₃ .		Hardness.	Ammonia.		Oxygen for moist combustion.
				Total Solids.	Fixed.			Volatile (not CO ₂).	CaCO ₃ .	MgCO ₃ .	Sodium, Na ₂ CO ₃ .	Sodium, NaCl.	Potassium, KCl.					Total Chlorine, Cl.	Free.		Albuminoid.
274	Warena Station Bore (number not stated)	Art.	1 Mar., 1907	73.33	..	1.80	0.22	..	28.3	23.76	..	..	..	..	..	..	..	..	..	Calcium sulphate, 7.89 g. p. g.; magnesium sulphate, 10.11 g. p. g.; sodium sulphate, 1.25 g. p. g. Magnesium chloride trace; calcium sulphate, 0.64 g. p. g. Exceptionally good bore water, suitable for all purposes.
275	Cotswold Bore, Blackall Proprietary Woolscouring Co.	Art.	27 May, 1907	17.50	..	1.60	trace	1.20	9.30	4.80	..	..	..	..	..	..	..	..	..	Magnesium chloride, 1.52 g. p. g.; calcium sulphate trace.
276	Ayr Tramway Board, Hodel Siding, "No. 70"	?	31 July, 1907	7.78	..	2.52	0.80	0.36	..	2.38	0.20	..	..	..	..	0.08	0.16	*3.3	..	Magnesium chloride, 1.52 g. p. g.; calcium sulphate trace.
277	Station-master, "No. 71"	..	31 July, 1907	16.49	..	2.66	0.52	2.29	6.17	1.52	..	..	..	..	..	0.05	0.08	*2.7	..	Magnesium chloride, 3.33 g. p. g.; calcium sulphate trace; *milligrams per litre. Both waters are suitable for domestic, stock, and steam-raising purposes.
278	Wallumbilla Well	Well	26 Sept., 1907	679.1	..	4.20	2.70	..	19.10	353.4	..	..	..	..	..	..	..	..	..	Calcium sulphate, 80.4 g. p. g.; magnesium sulphate, 44.3 g. p. g.; sodium sulphate, 175.0 g. p. g. Quite unsuitable for use.
279	Brenda Bore, No. 1	..	? 1906	46.20	..	..	..	..	26.60	9.17	..	..	..	..	..	..	..	9.8	..	Saline residue, 36.40 g. p. g.; traces of sulphates of lime and magnesia. Water should be sparingly used for irrigation.
280	Claremont Well (Douglas's), Merindandan	Well	9 Mar., 1908	331.66	..	1.51	1.08	33.91	10.50	209.48	0.03	nil.	*8.7	..	*Milligrams per litre; calcium sulphate, 27.73 g. p. g.; magnesium chloride, 47.45 g. p. g. Too saline for drinking purposes.

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The numbers refer to the *lines* in the Tables, *not* to the *pages*.

Roman numerals in small capitals (thus, xxiv.) refer to Government bores sunk by the Water Supply Department.

Roman numerals in italics (thus xxiv.) refer to bores sunk by other public authorities.

Arabic numerals without affix letter refer to private bores in the table.

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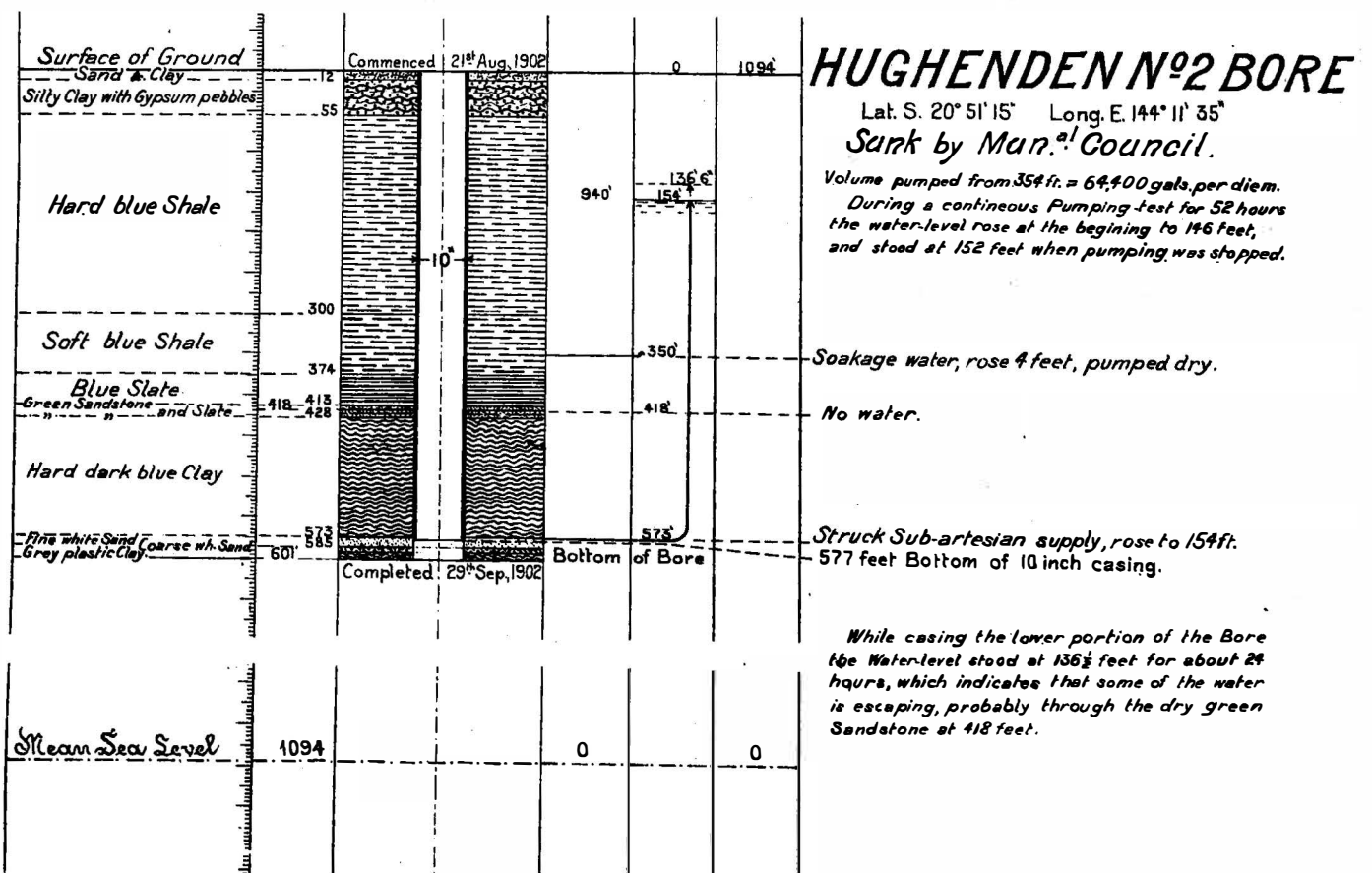
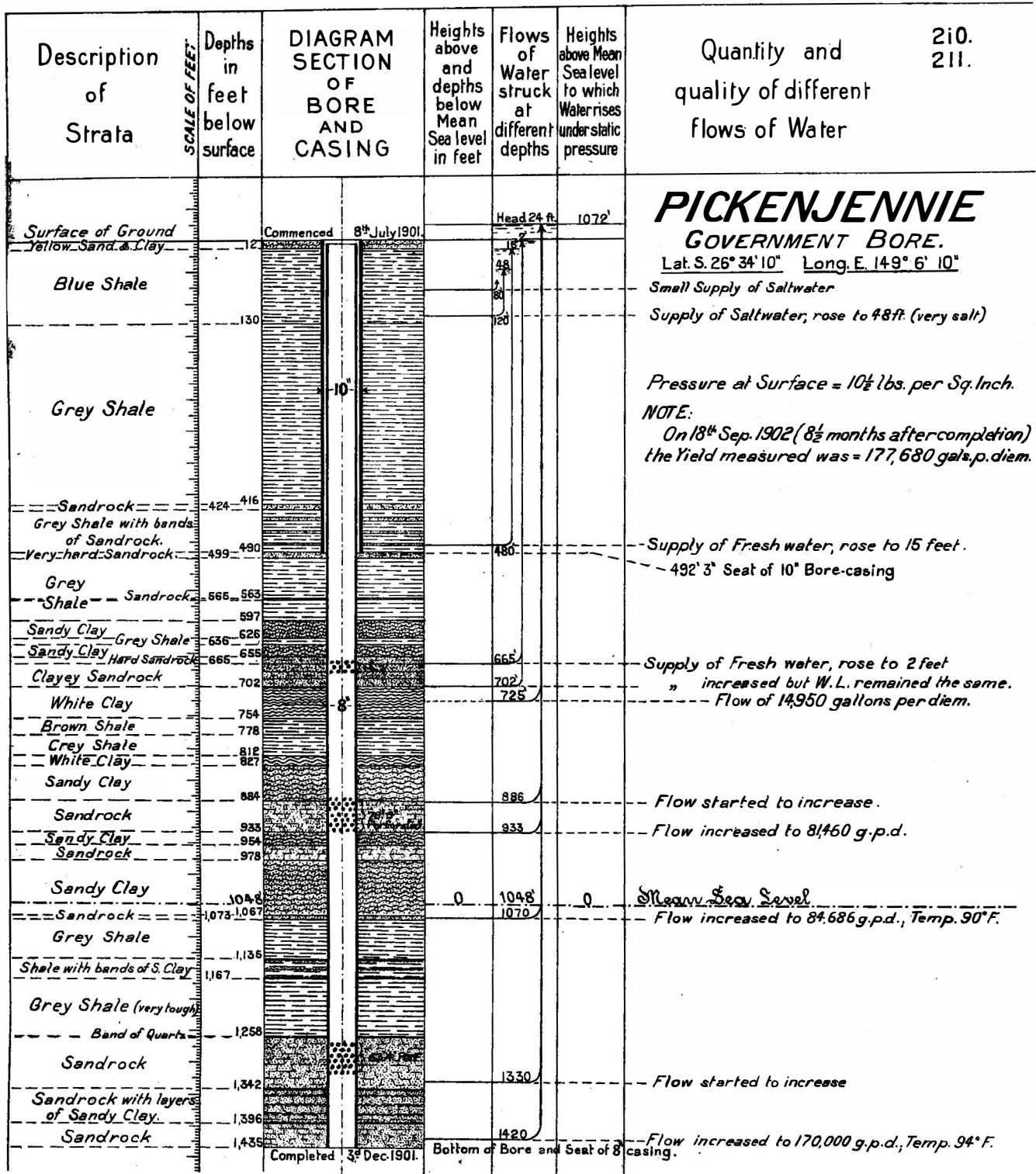
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Description of Strata	Depths in feet below surface <i>SCALE OF FEET</i>	DIAGRAM SECTION OF BORE AND CASING	Heights above and depths below Mean Sea level in feet	Flows of Water struck at different depths	Heights above Mean Sea level to which Water rises under static pressure	Quantity and quality of different flows of Water
DALBY GOVERNMENT BORE Flow 25,675 Gallons per Diem. Temperature 101° F.						
Surface of Ground	0	3. 8. 00.	1127'			
Alluvial Black Soil.				55.5		
Gravel & Sandy Rock, Limestone Marl & Stiff Clay.	74-80			76		Soakage water, rose to 45' 6"
Stiff Ochre Clays of different colours.	115					
Clay & rotten Shale.	306					303' 2" Seat of 10' Casing.
Light Gritty Stone with Clay Bands.	340					
Drift Sand & Quartz Pebbles Coal bands and Shale.	412-401			40' 6"		Very soft water, rose to 51' 6". 436' 10" Seat of 8' Casing
Grey shaley Clay.	428					
Hard black Shale.	491-479					
Hard Grey sandy Shale.	549					
Sandy Shale and Clay.	571					
Dark sandy Shale & Clay.	628					
Light sandy Shale & Clay.	703					
Dark Shale with indications of Coal.	756					Coal seam about 2' 6" thick.
Grey Shale	761					
Grey sandy Shale Black Shale.	774-777					
Grey Sandstone Black Shale and bands of Coal	790-799					
Grey Sandy Shale						
Mean Sea Level	1127		0	0		Mean Sea Level.
Slaty Shale	1151					
Pipe Clay	1176					
Soft Sandstone	1205			1230'		Pulsating Flow of 5,000 gallons per diem.
Hard Sandstone	1235					
Fine White Sandstone	1300					1291' Casing is parted 1315' 2" Top of 5' Casing 1354' Seat of 6' Casing
Hard Coarse Sandstone	1414					
Sandstone and Pipe Clay	1457					
Hard Stiff Clay Hard Shale	1477			1493'		Flow increased to 12,330 g.p.d.
Shale and Sand	1503-1498					
Loose Sand	1553			1553'		" " " 37,440 "
Hard streaks of Shale & Sand	1574					
Hard Shale	1588			1590'		" " " 46,470 " Temp. 97° F. 4.4.01
Clay hardening to Rock	1602					
Hard Sandstone	1622					
Stiff Clay Shale and Clay	1636					
Sandstone and Clay	1658					
Sandstone Gravel & Quartz	1651					
Shale Gravel and Quartz	1694					
Hard Shale	1690					
Sandstone	1730					
Hard Shale	1750					
Hard Shale Hard Sandstone	1773					
Soft Shale	1788					
Very Hard Shale	1796					
Sandstone Loam	1808					
Hard Dark Shale	1843					
Sandstone with Quartz & Pebbles	1850					
Hard Sandstone	1860					
Slate?	1907					
Light gritty Shale	1899					
Loose Sandstone	1920					
Sandstone with bands of Hard Shale	1945					
Grey Shale	1973					
Grey Shale	1992					
Grey Shale	2070			2087'		Flow diminished to 17,725 g.p.d. 11.1.02.
Grey Shale	2146			2146'		Flow diminished to 11,520 g.p.d. 7.6.02. 2169' 8" Shoe of 5' Casing
Grey sandy Shale	2232					
Grey Shale	2267			2261'		Flow increased to 34,560 g.p.d. 2.8.02.
Pipe Clay and bands of Sandstone	2327					
Pipe Clay and bands of Sandstone	2470			2438'		Flow 34,560 g.p.d. 1.9.02.
Light blue Clay & Quartz Pebbles Pipe Clay & Sandstone	2500					Flow diminished to 25,675 g.p.d. Temp. 101° F. 27.10.02.

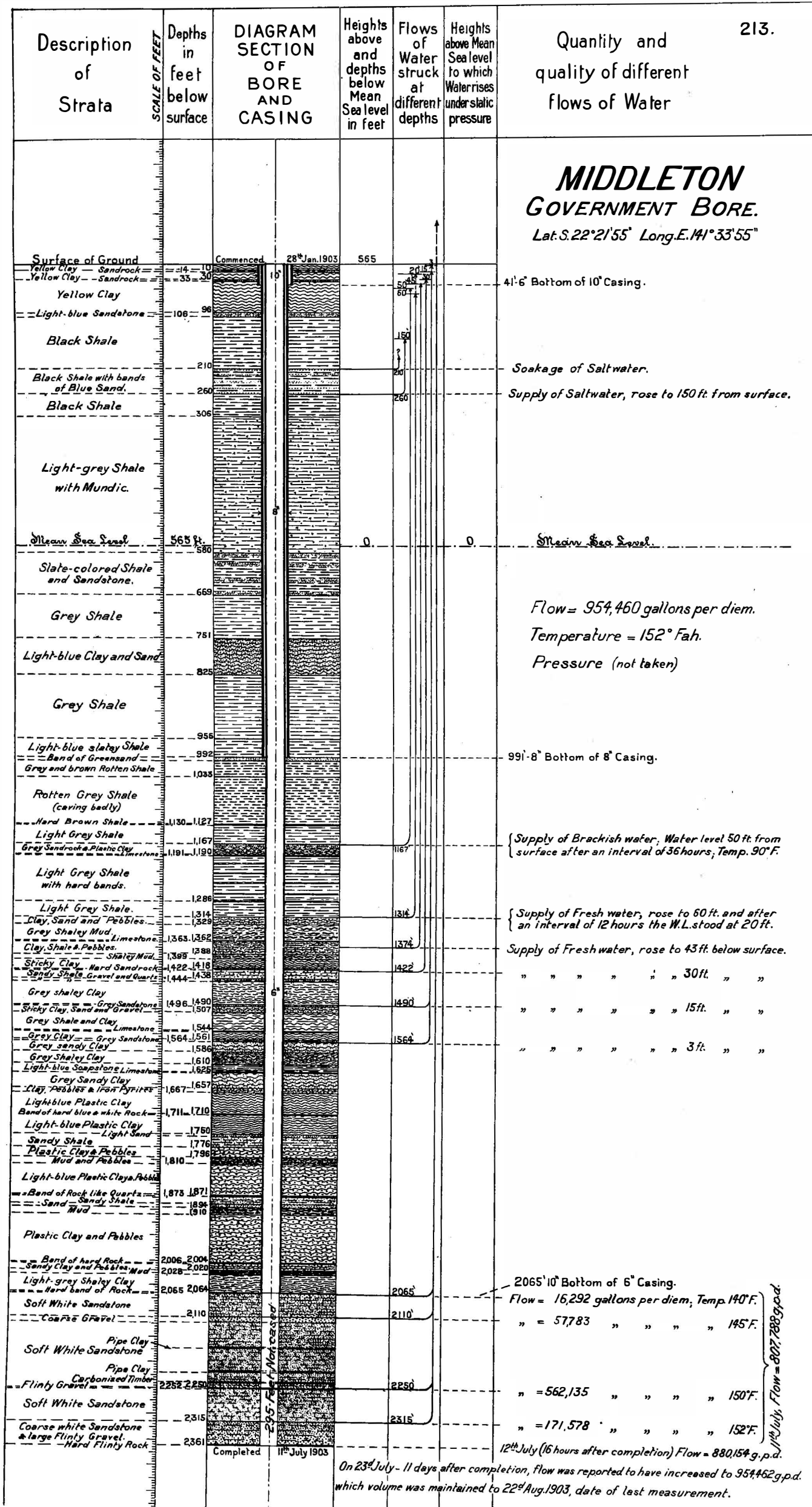
4.9.02.

330 feet - 104' Casing

Description of Strata	Depths in feet below surface	DIAGRAM SECTION OF BORE AND CASING	Heights above and depths below Mean Sea level in feet	Flows of Water struck at different depths	Heights above Mean Sea level to which Water rises under static pressure	Quantity and quality of different flows of Water
THORNLEIGH BORE. <i>Lat. 24° 19' 35" Long. 144° 56' 20"</i>						
Surface	0	7 May 1901	810'			Surface
Brown rotten Sandstone with occasional hard bars	80' - 810'	8" casing	0		75' - 160' - 200'	Water (very salt)
						Mean Sea Level
	1500'				1100'	{ Pumping supply estimated to yield 20,000 gals. p.d.
Black Shale sticky and caving badly.		6" casing				
Hard Grey Rock Sandrock	3160' - 3190'	3162'			3170'	1 st Flow 30,000 gals. p.d.
Pipe Clay						
Sandrock	3380' - 3360'	3360'			3370'	2 nd " 48,300 " "
Brown Clay with hard bands. (caving)	3430' - 3492'	3492'				
	3560'				3570'	3 rd " 63,700 " "
Sandrock with brown or white Clay bands.						
Sandrock	3940'				3950'	4 th " 158,000 " "
Grey Silty Shale (hard)	3975' - 4063' 6"				3975'	Gradual Increase " 40,000 " "
		15 Sep. 1902. 3979' 6" Top of broken tool viz. Bit, Sinker and broken jars.				Total Flow 340,000 gals. p.d. Temp. 174° F. 23-10-02.



Description of Strata	Depths in feet below surface	DIAGRAM SECTION OF BORE AND CASING	Heights above and depths below Mean Sea level in feet	Flows of Water struck at different depths	Heights above Mean Sea level to which Water rises under static pressure	Quantity and quality of different flows of Water.
ST. GEORGE BORE Lat. 28° 2' 25" Long. 148° 35' 10" Soakage Water. Fresh.						
Surface	0	Comd 9-12-02	659	Head 353'	793'	
Sand	39			36'	623'	
Yellow Clay	465					
Very Hard Rock	102			110'	549'	
Fine Yellow Clay	208					
Blue Shale	277					
Grey Shale	293					Vein of Coal about 1 foot thick.
Grey Sandy Shale	320					
Grey Shale	358			348'	311'	
Hard Sandrock	409					
Grey Shale	480					
Brown Shale	487					498.8' Seat of 10" Casing.
Black Shale	503					Thin Vein of Coal at 577 ft.
Grey Shale	512					
Black Shale	545					
Grey Shale	588					
Sandy Clay	607					
Sandrock	604					
Mean Sea Level	659.8 ft		0		0	Mean Sea Level = 659.8 feet.
Grey Shale	731			731'		Supply of Saltwater rose to 110 ft., Cased off.
Dark Grey Sandstone	738					
Sandy Clay	795					
Grey Shale	832					
Blue Shale	989					989.2' Seat of 8" Casing.
Hard Streak of Rock	1004					
Sandy Clay	1132					
Blue Shale	1218					
Grey Sandy Shale	1274					
Grey Shale	1298					
Grey Shale with Bands of Sand	1316					
Blue Shale	1354			1353'		Supply of Fresh Water, rose to 348 feet
Grey Shale	1410					
Grey Sandy Shale with Sand	1473					
Grey Shale	1525					
Bands of Sandstone	1580					
Grey Shale	1636					
Blue Shale	1669					
Grey Sandy Shale	1695					
Grey Shale	1785					
Blue Shale	1818					
Grey Shale	1840					
Grey Sandy Shale	1878					
Grey Shale	1975					
Blue Shale	2003					
Grey Shale	2026					
Grey Shale with Bands of Sand	2052					
Pipe Clay	2120					
Pipe Clay with Bands of Sand	2135					
Pipe Clay with occasional Bands of Sandstone	2293					
Sandy Clay	2372			2372'		Flow of 15,450 gallon per diem. Fresh.
Grey Sandstone	2383					
Sandy Clay	2404			2426'		Flow increased to 72,112 g.p.d. Temp. 125° F.
Sandstone	2416			2450'		" " " 231,878 g.p.d. " 130° F.
Sandy Clay	2450					2463.8' Seat of 6" Casing.
Sandstone with Bands of Sandy Clay	2587					
Grey Shale	2602					
Sandy Clay	2614					
Sandstone with Bands of Sandy Clay	2651			2637'		The 6" casing is perforated from 2410 to 2455 feet. The whole length of the 5" liner is perforated with the exception of the lower 18 feet.
Sandy Clay	2652					
Sandstone with Bands of Sandy Clay	2680			2680'		Flow increased to 282,731 g.p.d. Temp. 132° F.
Sandy Clay	2709					" " " 426,134 g.p.d. " 132° F.
						" " " 613,013 g.p.d. " 134° F.
						Completed 5.1.04



11th July, Flow = 807,788 g.p.d.

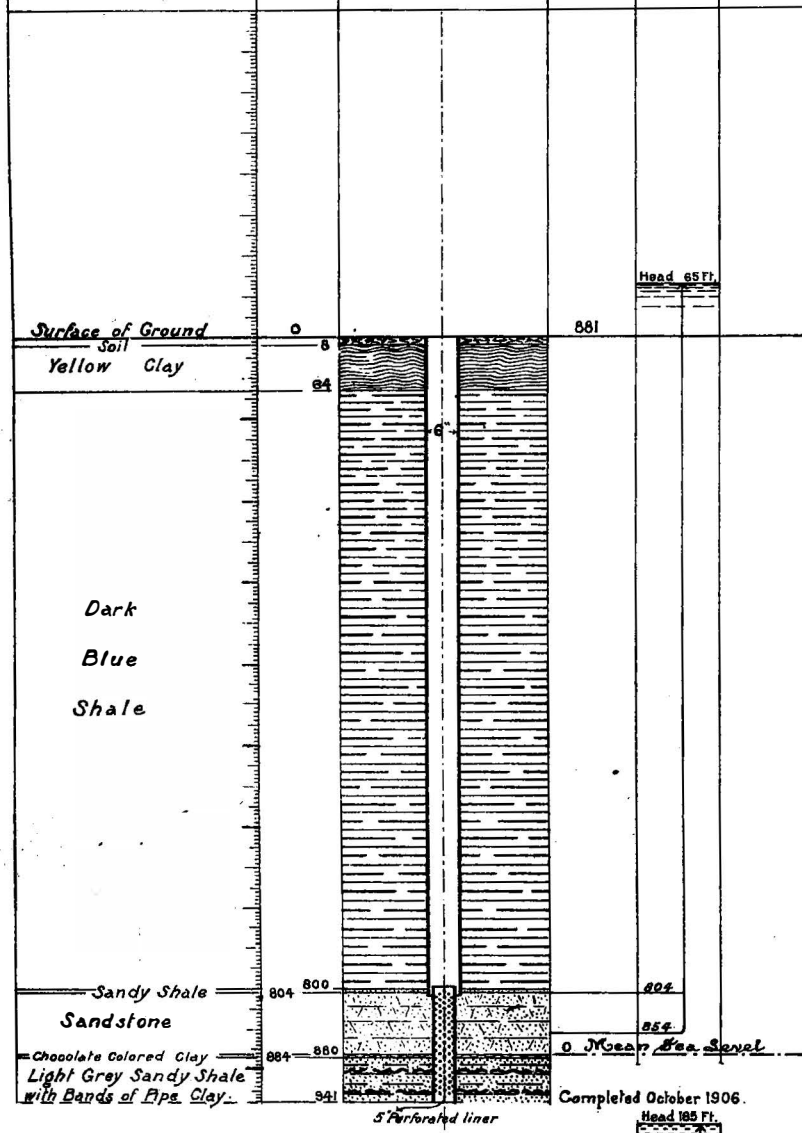
Description of Strata	Depths in feet below surface <i>SCALE OF FEET</i>	DIAGRAM SECTION OF BORE AND CASING	Heights above and depths below Mean Sea level in feet	Flows of Water struck at different depths	Heights above Mean Sea level to which Water rises under static pressure	Quantity and quality of different flows of Water
KYNUNA BORE.						
<i>Lat. 21° 35' 10". Long. 141° 55' 10".</i>						
<i>Flow = 880,150 gallons per diem.</i>						
<i>Temperature = 150° Fah.</i>						
<i>Pressure at Surface = 29 lbs. per square inch.</i>						
<i>125-6' Seat of 10" Casing.</i>						
<i>Supply of Brackish water, rose to 230 ft. below surface</i>						
<i>" " " " " " 340ft " "</i>						
<i>Mean Sea Level.</i>						
<i>Supply of Brackish water, rose to 680 ft. from surface</i>						
<i>" " " " " " 710ft " "</i>						
<i>" " " " " " 608ft " "</i>						
<i>" " Fresh water " " 320ft " "</i>						
<i>" " " " " " 126ft " "</i>						
<i>" " " " " " 80ft " "</i>						
<i>1495' 11" Seat of 8" Casing</i>						
<i>Supply of Fresh water, rose to 62ft. from surface</i>						
<i>" " " " " " 48ft " "</i>						
<i>" " " " " " 32ft " "</i>						
<i>" " " " " " 18ft. " "</i>						
<i>" " " " " " 6ft " "</i>						
<i>Struck Flow of 32,584 gallons per day, Temp. 125° F.</i>						
<i>Flow increased to 65,168 " " " " 137° F.</i>						
<i>" " " " " " 128,820 " " " " 145° F.</i>						
<i>" " " " " " 236,710 " " " " " "</i>						
<i>" " " " " " 285,582 " " " " " "</i>						
<i>" " " " " " 311,132 " " " " " "</i>						
<i>" " " " " " 364,398 " " " " " "</i>						
<i>" " " " " " 603,664 " " " " " "</i>						
<i>" " " " " " 737,548 " " " " 150° F.</i>						
<i>Bore and Seat of 6" casing.</i>						
<i>353 ft. of perforated 6" casing between 1853 ft. & 2206 ft.</i>						

On 25th Oct, 30 hours after sinking to full depth the flow measured 772,516 g.p.d. and on 15th Nov. after recasing the bore with 6" perforated casing further increase of flow to 880,154 g.p.d. was reported which volume was maintained to 28th Dec. 1904, date of last measurement.

Description of Strata	Depths in feet below surface <i>SCALE OF FEET</i>	DIAGRAM SECTION OF BORE AND CASING	Heights above and depths below Mean Sea level in feet	Flows of Water struck at different depths	Heights above Mean Sea level to which Water rises under static pressure	Quantity and quality of different flows of Water
<i>Test</i>						
Surface of Ground		Commenced 21-7-06	932			
Sand Coarse Gravel Yellow clay	61 71-99					Shoe of 8" Casing 67'6" below Surface
Grey Shale						
Green Sandstone	182 208					
Grey Shale				<i>lt. blue</i>		
Hard Streak Pipe Clay Hard Streak	648-646 655-685			<i>Green light blue</i>		
Sandy Clay						
Grey Shale	764					
Sandy Clay	832-842					
			0			Mean Sea Level
Black Shale				<i>dark blue</i>		
Black Sandstone	1349 1390					
White Pipe Clay						
Sandstone	1450-1456					<i>red pink</i> Flow 8000 Gallons daily
Pipe clay	1475					
Sandy Clay						
Sandstone	1518					Flow 7000 Gallons "
Sandstone	1559					
Brown Clay	1563					
Sandstone				<i>travertine</i>		
Grey Shale	1770					
Sandstone	1798					
Layer of Coal & clay	1913					
Brown Clay	1922					Flow 10000 Gallons daily
Hard Streak	1969-1964					
Sandstone	1984					
Sandy clay	1993					
Sandstone	2022					
White Sandstone	2030					
Sandy clay	2044					
White sand	2058-2063					Shoe of 6" Casing 2050' 2"
Sandy clay	2074-2078					
Hard streak	2089					
Sandy clay	2107					
Sandstone	2116					Flow 20000 Gallons daily
Sandstone	2157					
Sandstone with layers of clay	2209					
Sandy clay	2225					
Sandstone	2233					
Soft Sandstone	2284					Flow 37,506 Gallons daily
Sandstone						Flow 77,583 "
Sandstone	2393					
Sandy Clay	2444					Flow 1,052,595 Gallons daily
Sandy Clay	2507					<i>travertine</i>
		Completed 16-2-07				

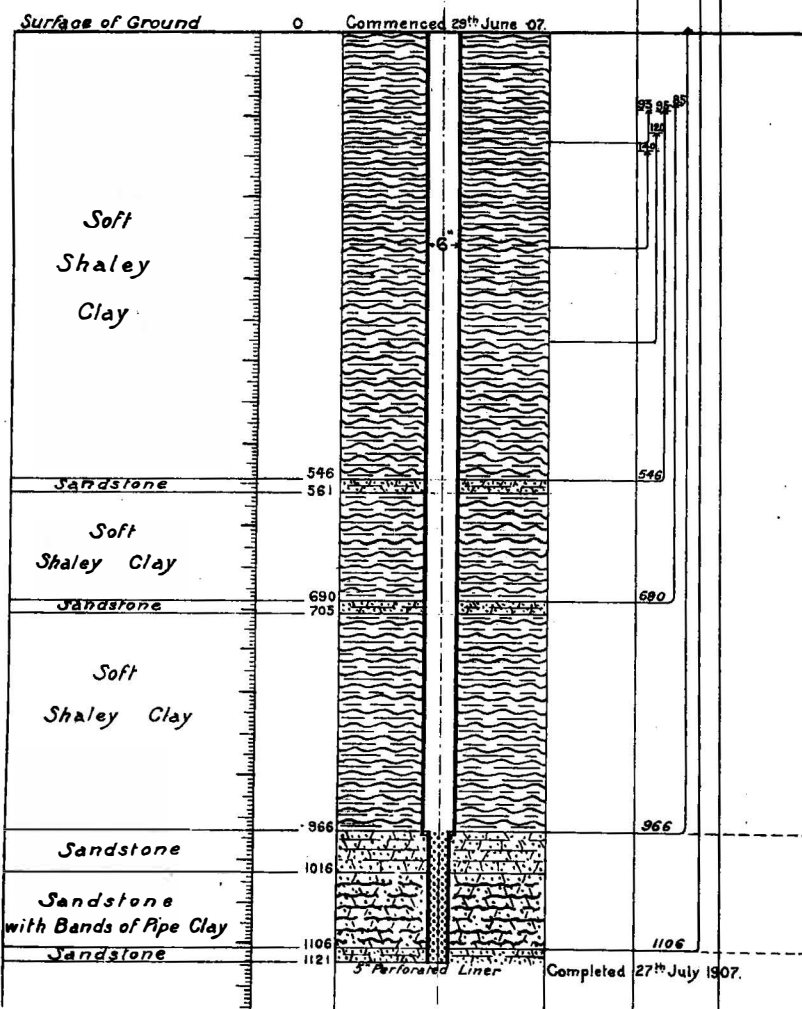
Description of Strata	Depths in feet below surface <i>SCALE OF FEET</i>	DIAGRAM SECTION OF BORE AND CASING	Heights above and depths below Mean Sea level in feet	Flows of Water struck at different depths	Heights above Mean Sea level to which Water rises under static pressure	Quantity and quality of different flows of Water
BRENDA No. 1. <i>Flow = 2,500,000 Gals. daily.</i> <i>Lat. S. 28° 51' Long. E. 147° 19'</i>						
Surface of Ground	0					
Surface soil	0-6					
Sand	6-25					
Conglomerate	25-53					
Yellow Clay	53-181					
Black Shale	181-453					
Pipe Clay	453-557					
Fine Sand	557-599					
Grey Shale	599-659					
Hard Streak	659-661			692		Fresh Water rising within 2ft. of Surface Small Flow
Sand	661-734			743		
Brown Shale	734-868					
Sandy Grey Shale	868-1106					
Hard Streak	1106-1105					
Pipe Clay	1105-1224					
Coal	1224-1230					
Sandy Clay	1230-1495			1340		Flow 2500 Gallons daily
				1426		Flow 2500 Gallons daily
Brown Shale	1495-1629					
Sandy Clay	1629-1656					
Sand	1656-1693			1656		Flow 20,000 Gallons daily
Sandy Clay	1693-1880					
Hard Streak	1880-1885			1885		Flow 100,000 Gallons daily
	1885-1925			1925		Flow 6" over Casing
Sandstone	1925-2115			1996		Flow 11" over Casing
				2001		" 12 1/2" " "
				2050		" 15" " "
				2079		" 18" " "
				2115		" 68" " "
		Completed 24-2-06				

Description of Strata	Depths in feet below surface <i>SCALE OF FEET</i>	DIAGRAM SECTION OF BORE AND CASING	Heights above and depths below Mean Sea level in feet	Flows of Water struck at different depths	Heights above Mean Sea level to which Water rises under static pressure	Quantity and quality of different flows of Water
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MARATHON BORE
Lat. 20° 52' — Long. 143° 34'
Railway Department.

Flow struck at 804 ft. 11,500 Gallons per diem
 Temp. 101° Fahr.
 At 854 ft. Flow increased to 211,715 Galls. per diem
 Temp. 101° Fahr.
 Pressure 28 lbs. per sq. in.
 After 5" Perforated liner was inserted and Surface Fittings fixed Flow increased to 238,735 Gals. per diem
 Quality very good.
 Perforated Casing has 81 $\frac{1}{8}$ " holes in each 16 ft. length



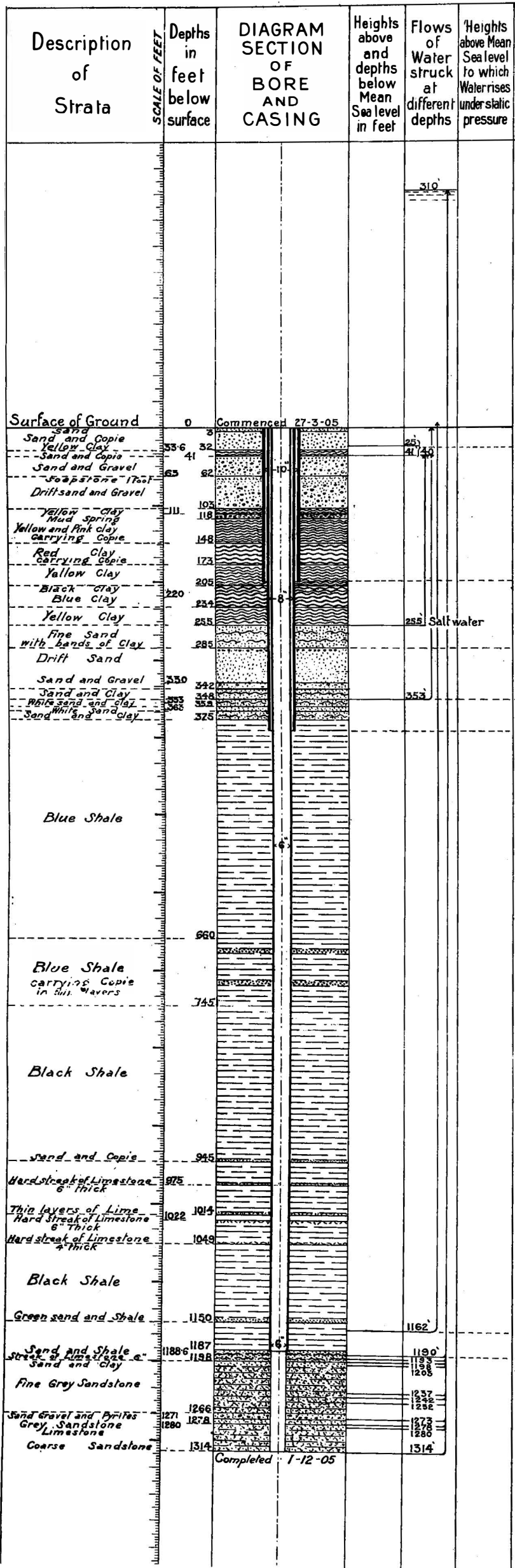
JULIA CREEK BORE
Lat. 20° 40' — Long. 141° 45'
Railway Department.

Flow 32,584 Gallons Temp. 112° Fahr.
 Flow 1707,508 Gallons Temp. 122° Fahr.
 Pressure 80 lbs. per sq. inch.

Description of Strata	Depths in feet below surface <i>SCALE OF FEET</i>	DIAGRAM SECTION OF BORE AND CASING	Heights above and depths below Mean Sea level in feet	Flows of Water struck at different depths	Heights above Mean Sea level to which Water rises under static pressure	Quantity and quality of different flows of Water	
Surface of Ground <i>Yellow Clay</i>	0						
<i>Stiff Clay with sandy Veins</i>	35						
<i>Fine White Sand</i>	125						
<i>Stiff gray mud</i>	180						
<i>Fine White Sand mixed with Chocolate Clay</i>	230						
<i>Clay</i>	350						
<i>Shaley formation</i>	602						
<i>Shaley formation</i>	750						
<i>fine Sand, fine sand & shale</i>	900						
<i>Shale</i>	978						
	1000						
	1015						
	1056						
		<p>Completed Feb. 5. 1906.</p>					

N^o 2.
BACK CREEK
Railway Bore
 Lat. 23° 34' 0" Long. 145° 40'
Dribble only.

Description of Strata	Depths in feet below surface <i>SCALE OF FEET</i>	DIAGRAM SECTION OF BORE AND CASING	Heights above and depths below Mean Sea level in feet	Flows of Water struck at different depths	Heights above Mean Sea level to which Water rises under static pressure	Quantity and quality of different flows of Water
<p>JERICHO N^o2. <i>Railway Bore.</i> <i>Lat. 23°36'30". Long. 146°7'30".</i> <i>Temp. 90° F.</i> <i>Pumped 5,000 Gals. p.d.</i></p>						
Surface of Ground	0	Commenced March 1902	1146			
Yellow Clay Friable Sandstone Yellow Clay	20 70					
Friable Sandstone				150	57	
Drift Sand Pipe Clay Blue Clay	150 435 500 550			380		Small Supply of very Salt Water Shoe of 6" Casing 448 Feet below Surface
Blue Shale				1050		Struck very brackish or Salt Water <i>Mean Sea Level.</i>
Blue Shale & Fine Sand Sandstone	1400 1430 1440			1430		
Blue Shale						
Hard light colored rock Blue Shale	1565 1670					
Hard light colored rock	1685 1730			1730		
Blue undurated Mudstone						
	2000					
Sand & Pipe Clay						
	2300					
Compacted Mudstone						
	2503					Shoe of 5" Casing 2480 Feet below Surface
Clay						
	3000					
Soft Pipe Clay						
	3172					
Fine Sand and Pipe Clay						
	3518	Completed May 1903.				



BEDOURIE No 2
GOVERNMENT BORE.
 Flow 2,649,401 Gallons daily
 Temp. 112° Fahr.
 Pressure at Surface 134 lbs. persq. in.
 Lat. 24° 22'. Long. 39° 29'.

Brackish Water

Shoe of 10" Casing 199' 5 1/2" below Surface

At 285 feet Drift sand carries Basalt and Quartz Pebbles, also Iron Pyrites and Lignite at 300 feet.

Brackish Water. rose to Surface.

Shoe of 8" Casing 391 feet below Surface

Small flow 50 Gallons daily

Struck flow at 1190 feet.
 At 1193 feet Flow 10,000 Gallons daily
 " 1198 " " Increased to 50,000 Gallons daily
 " 1203 " " " 70,000 " Temp. 106° F.
 " 1237 Water flowing 6" over 6" Casing " 108° F.
 " 1242 " " 10" " " " 108° F.
 " 1252 " " 15" " " " 110° F.
 " 1273 " " 18" " " " 111° F.
 " 1278 " " 5' 6" " " " 111° F.
 " 1280 " " 5' 8" " " " 112° F.
 " 1314 " " 5' 8" " " " 112° F.

Flow 2,649,401 Gallons daily.

Description of Strata	Depths in feet below surface <i>SCALE OF FEET</i>	DIAGRAM SECTION OF BORE AND CASING	Heights above and depths below Mean Sea level in feet	Flows of Water struck at different depths	Heights above Mean Sea level to which Water rises under static pressure	Quantity and quality of different flows of Water
<p>TAMBO GOVERNMENT BORE <i>Flow 1,055,400 Gallons daily</i> <i>Temp. 120°F.</i> <i>Lat. 24° 53' 35" Long. 146° 15' 5"</i></p>						
Surface of Ground	0	Commenced July 1888	1320	79		
Blue Clay Shale and Sandstones	0 to 858			Flows of Fresh water 54,700 g.p.d.		NOTE. No reliable record of thickness of Strata from Surface to 1002 ft.
Pipe Clay	858 to 1002			910 965		Original position of 6" Casing before deepening 858 feet. Original Depth 1002 feet. Completed Sept. 88.
			0			Mean Sea Level
Sandrock	1460					Shoe of 6" Casing 1560 ft. below Surface.
Pipe Clay	1940					
Sandrock	1950					
Pipe Clay	2270					
Sandrock	2302					From 1460 to 2425 Feet the Flow increased slowly and steadily until the ultimate capacity at surface was 1,055,400 g.p.d Temp. 120°F.
Chocolate Clay and Pipe Clay	2425 to 2450	Completed Sept. 1902	2450			

Description of Strata	Depths in feet below surface <i>SCALE OF FEET</i>	DIAGRAM SECTION OF BORE AND CASING	Heights above and depths below Mean Sea level in feet	Flows of Water struck at different depths	Heights above Mean Sea level to which Water rises under static pressure	Quantity and quality of different flows of Water
Surface of Ground	0					<p>Commenced Apr 2 1903</p> <p>Soakage 49</p> <p>Bottom of 10" Casing 63' 9"</p> <p>EROMANGA N^o1. Government Bore. Lat. 26° 40' 35". Long. 143° 15' 50". Pressure 7 1/2 lbs. sq. in.</p> <p>Bottom of 8" Casing 878 feet</p> <p>Small quantity of inflammable gas rising, burns with a blue flame.</p> <p>Flow 9 to 10,660 Gals. daily. Temp. 117°F.</p> <p>Bottom of 6" Casing 2559' 0 1/4" 2nd July 1904.</p> <p>Completed June 14, 1906.</p>
Sandy Clay	29.6					
Flint Rock	49					
Coarse Sand & Quartz with bands of Sandstone	75					
Limestone Sand Rock	116					
Pipe Clay	165					
yellow Clay	175					
Blue Shale						
Blue Shale with narrow bands of Sandrock	338					
Blue Shale	385					
Blue Shale						
Sand rock with Hard streaks	885					
Blue Shale	925					
Blue Shale						
Dark Shale	1199					
Dark Shale						
Hard streak small pebbles	1360					
Dark Shale	1370					
Dark Shale						
Narrow band Sandrock	1530					
Dark Shale						
Sand	1600					
Dark Shale	1612					
Dark Shale	1640		1640			
Soft Grey Sandrock						
Dark Clay	1730					
Dark Clay						
White Pipe Clay	1790					
White Pipe Clay	1845					
White Pipe Clay	1860					
Blue Shale						
Blue Shale						
Blue Shale						
Blue Shale	2612					

H.C. Richards.
7/9/17.

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QUEENSLAND.

WATER SUPPLY DEPARTMENT.

TABLES

OF

**ARTESIAN BORINGS, PERENNIAL SPRINGS,
AND WATER ANALYSES,**

KNOWN TO THE WATER SUPPLY DEPARTMENT AT THE END OF DECEMBER, 1916.

Compiled by the Direction of
JOHN HARGREAVES, M.S.E., LON.,
Government Hydraulic Engineer.

BRISBANE:

BY AUTHORITY: ANTHONY JAMES CUMMING, GOVERNMENT PRINTER.

1917.

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WATER SUPPLY DEPARTMENT, QUEENSLAND.

TABLE OF BORES.

FOURTEENTH ISSUE—REVISED TO 31ST DECEMBER, 1916.

CONTENTS.

Table of Bores, pages 1 to 67.
Additional Notes to Bores, pages 68 to 128.
Boring Contractors, page 129.
Head Drillers, page 130.
Perennial Springs, pages 131 to 135.
Water Analyses, pages 136 to 153.
Alphabetical Reference Index, pages 154 to 163.

EXPLANATORY NOTES TO SIGNS AND LETTERS IN BORE TABLE.

- ? before any figures indicates doubtful, reputed, or uncertain.
¶ in column 3 indicates that the bore was inspected prior to September, 1899.
† in column 3 indicates inspection subsequent to October, 1910.
‡ in column 3 indicates reinspected after 1911.
P in column 7 indicates that the work was in progress at the date of latest information.
L in column 8 indicates that spirit-levelling was employed. Other altitudes are from barometric observations or grade calculations reduced to mean sea-level.
D in column 9 indicates that the bore had been completed and afterwards deepened.
a, b, c, etc., in column 10 indicates first, second, and third water-bearing beds.
C in column 12 indicates that the full flow is not allowed to issue continuously.
V in column 12 indicates that a valve is provided.

Letters in Column 15 indicate that water is raised by :—

S. Steam Pumping Plant.	HA. Hot Air Engine.
O. Oil or Benzine Engine.	AL. Air Lift.
Wh. Whip or Whim for horsepower.	W. Windmill.
P. Hand Pump.	

Note.—The latitudes and longitudes have been obtained chiefly by scaling the four-mile maps issued by the Department of Public Lands, but the figures are subject to correction as the positions of the borings are more accurately ascertained.

GOVERNMENT BORES.

Reference No.	Locality, Lease, Parish, Town, or District.	Local Name of Bore. (For additional Data, if any, refer to Notes at the end of this Table.)	Latitude South.	Longitude East.	DATES.		Surface of Ground above Mean Sea Level, in Feet.	Total Depth of Bore, in Feet.	Depth to Principal Water Bed, in Feet below Surface.	Temperature of Water, Fahrenheit below Surface, Degrees.	ARTESIAN.		SUB-ARTESIAN.		REFERENCE NO. TO—					
					Commencement of Work.	Completion of Work.					Continuous Daily Flow in Gallons when Uncontrolled.	Static Head above Surface of Ground, in Feet.	Depth of Water Level below Surface, in Feet.	Volume of Water Pumped or Available Daily, in Gallons.	Contractor.	Head Driller.	Section of Strata, &c.	Chemical Analysis.		
1	Abbieglassie	Trust Bore	25° 54'	144° 36'	15"	27-12-99	8-11-00	760	3,398	e	3,365	110	V	891,000	..	..	4	257	195	205, 206
2	Adavale Town	Adavale	21° 6'	143° 56'	10	5-85	2-86	895	482	..	..	..	..	183	120	6	..	..	..	..
3	Aiton Downs Lease	Warianna (abandoned)	24° 15'	146° 27'	30	5-12-88	13-12-89	1,560	2,000	dry	..	..	..	..	..	..	1	..	..	..
4	Alpha Lease	Stewart's (abandoned)	27° 15'	147° 25'	0	28-9-16	P 12-16	L 914	970	..	..	..	..	..	..	..	6	70	..	..
5	Ashling	Trust Bore	25° 47'	146° 35'	4	6-8-13	19-5-14	..	2,950	k	2,296	121	V	309,700	33.5 to 43.5	..	11	37	312	356
6	Augathella	Augathella Town	27° 31'	145° 34'	25	17-9-97	28-12-97	L 891	2,081	c	1,706	119	V	520,000	? 203	..	2	..	138	110, 169
7	Bando Parish	Bando Trust Bore	23° 33'	145° 17'	35	16-11-87	17-12-87	L 874	691	..	645	98½	C	31,000	13.6	..	7	..	129	O. P
8	Baraldine Rly. Stn.	Railway or Bath	24° 22'	139° 27'	20	29-7-04	4-8-05	..	429	..	..	..	..	..	..	..	41	129	..	..
9	Bedourie Town	1. Bedourie (abandoned) 2. Bedourie	24° 22'	139° 27'	0	27-3-05	1-12-05	..	1,314	/	1,280	112	V	2,284,000	.. 309	..	41	128	221	..
10	Bhujour Plateau	1. Portion 17 (abandoned) 2. ditto 9 3. ditto 5	..	..	..	10-5-06	20-6-06	..	276	dry	..	..	..	..	..	..	11	..	..	..
11	Blackall District	Middle Park Trust Bore	24° 28'	145° 38'	40	28-5-09	21-3-10	L 994	3,000	?	2,875	139	V	1,160,000	198	..	11	87	231	376
12	Blackall Town	Dickson's	24° 25'	145° 27'	50	3-12-85	26-4-88	L 924	1,663	..	1,645	119	V	291,000	148 to 179	..	6	2	139	Q, 164
13	Brisbane	Racecourse (abandoned)	27° 25'	153° 3'	46	5-89	18-9-89	L 33	1,781	..	1,340	..	..	..	..	..	1	..	128	C
14	Brixton Railway Station	Central Railway, 379 m.	23° 32'	144° 57'	0	18-1-88	Early '88	L 865	978	b	950	109	V	trickle	7	..	..	..	131	T
15	Burketown Town	Burketown	17° 44'	139° 32'	55	11-4-96	12-12-96	L 14	2,304	?	2,300	155	V	140,200	138	..	11	..	140	..
16	Cabanda	Trust Bore	20° 7'	141° 31'	20	13-6-15	9-12-15	L 338	1,180	f	986	..	..	722,000	138 to 170	..	116	..	..	..
17	Camooweal Town	Camooweal	19° 55'	138° 7'	..	10-11-96	13-6-97	..	300	..	250	85	..	..	..	..	6	..	..	118
18	Charleston Parish	Portion 107v	..	..	..	24-4-07	23-5-07	..	70	..	..	..	..	..	? P good	..	..	..	..	..
19	Chippeway	ditto 109v (abandoned)	..	..	..	25-5-07	7-8-07	..	118	dry	..	..	..	..	..	..	..	..	..	..
20	Clermont Town	Trust Bore	22° 49'	147° 38'	30	18-3-89	27-7-89	876	323	..	..	..	..	..	..	..	8	..	..	..

(A) BORES SUNK BY WATER SUPPLY DEPARTMENT.

TABLE OF GOVERNMENT BORES—continued.

Reference No.	Locality, Lease, Parish, Town, or District.	Local Name of Bore. (For additional Data, if any, refer to Notes at the end of this Table.)	Latitude South.	Longitude East.	DATES.		Surface of Ground above Mean Sea Level, in Feet.	Total Depth of Bore, in Feet.	Depth to Principal Water Bed, in Feet below Surface.	Temperature of Water, Fahrenheit Degrees.	ARTESIAN.		SUB-ARTESIAN.		REFERENCE NO. TO—				
					Commencement of Work.	Completion of Work.					Continuous Daily Flow in Gallons when Uncontrolled.	Static Head above Surface of Ground, in Feet.	Depth of Water Level below Surface, in Feet.	Volume Pumped or Available Daily, in Gallons.	Contractor.	Head Driller.	Section of Grate, &c.	Chemical Analysis.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
21	Cloyne and Murgon Parish Ditto Ditto	1. Murgon (abandoned) 2. ditto 3. Res. of Por. 68 4. Murgon	26° 10' 24" 26 9 29	151° 55' 58" 151 56 9	7-06 7-9-06	25-8-06 10-11-06 2-08	1,580 1,815	277 275 300	dry a 256	..	..	..	64 95 44	? P 6,400 small ? P 12,000	105	171	315	..
22	Croydon Town	Croydon (diamond drill)	18 12 15	142 15 0	9-7-88	16-10-88	..	111	60	..	..	..	..	uncertain	4	..	..	A, B, 254
23	Cunnamulla Town	Cunnamulla	28 4 20	145 41 0	27-11-88	7-9-01	L 619	D 1,800	c 1,650 ?	107	C 1,339,000	175 to 180	..	..	..	..	..	..
24	Oughnie Parish Ditto Ditto	Portion 6 ditto 3 (abandoned) ditto 4 (abandoned)	..	..	7-2-07 18-2-07 11-3-07	13-2-07 8-3-07 3-4-07	..	80 98 98	dry dry	..	..	..	..	? P good	..	..	..	..
25	Cypress Downs Ditto Ditto	1 and 2. See No. 106 3. Powrunna Trust Bore 4. Neasbul Trust Bore	27 38 0 27 37 40	148 8 15 147 53 0	9-3-14 12-11-13	25-9-15 13-3-15	L 808	3,584 3,503	2,500	150 138	V 1,588,800 V 1,241,600	221.5	..	..	105	171	315	..
26	Dalby District Ditto Ditto Ditto Ditto Ditto	1. Mafia Hill 2. ditto 3. ditto 4. ditto 5. ditto 6. ditto	27 12 0	151 16 0	06 06 07	25-5-06 22-6-06 15-2-07	..	149 34 24	a 66 a 34	..	..	..	54 28 9	? P 19,200 not tested ? P 3,200 ? P 5,040 1,200	..	..	315 313	..
27	Dalby Town Dalby Sanatorium	Dalby Jubilee	27 10 30 27 10 30	151 17 55 151 17 55	3-8-00 1-12	4-9-02 7-3-12	L 1,127	2,500 201	e 1,553 a 57	101	V 10,000	..	..	AL good ? W 21,000	4	..	208	214, 266
28	Delta Cross Roads	Delta	23 55 40	145 46 25	7-8-0	11-86	..	159	c 155	..	..	..	48	Wh 11,000	6	..	..	..
29	Eromanga District	Mount Margaret	26 54 25	143 18 55	23-2-87	31-3-88	..	582	61	..	..	..	..	17,280	6	..	..	..
30	Eromanga Town Ditto	Eromanga, No. 1 Eromanga, No. 2	26 40 35 26 40 15	143 15 50 143 16 0	2-4-03 16-7-06	14-6-06 3-3-09	..	2,612 4,270	a 1,640 f 4,256	117 198	V 10,660 V 237,000	17.3 505	..	..	4	211	223	..
31	Euthelia	Trust Bore	19 54 35	142 26 0	30-6-14	24-8-14	L 599	985	736	106	1,330,300	108 to 110	..	..	106	95	..	288
31a	Fairlight	Trust Bore	20 38 35	144 0 35	11-15	29-1-16	L 946	689	d 541	..	667,500	32 to 39	..	..	140	162	..	..
32	Gayudah District	Trust Bore	..	..	..	29-6-07	..	287	b 220	..	1,000,000	..	?	? P 4,800	11	..	..	..
33	Hillsborough	Trust Bore	27 29 5	148 8 50	3-4-16	12-16	L 846	2,891	138	..	..	..	..	..	6	221	..	..
34	Hughenden District	Mountain Ck. (abandoned)	20 59 50	144 13 50	3-86	7-86	..	490	dry	..	..	..	..	..	6	..	..	..
35	Hungerford Town Ditto	1. (abandoned) 2. ..	29 0 0 28 59 10	144 24 45 144 21 55	01 01	01 01	L 416 L 417	318 768	a 22 a 489	..	..	..	..	..	6	..	..	..
36	Jericho Town	Jericho (abandoned)	23 36 25	146 8 0	14-12-86	10-10-87	L 1,148	234	169	..	..	..	..	..	6	..	..	..
37	Jondawala District Ditto Ditto Ditto	1. .. 2. .. 3. (abandoned) 4. (abandoned)	..	..	3-06 4-06 5-06 25-0-06	25-1-07 9-3-07 15-12-06 26-6-06	..	D 274 D 325 133 152	c .. c 261 dry	..	..	..	..	..	6	..	..	..
38	Julia Creek	Trust Bore	20 35 15	141 52 40	3-7-16	16-12-16	L 447	1,080	b 776	117	285,900	92.1	..	..	5	236	..	..
39	Kayvannah	Trust Bore

TABLE OF GOVERNMENT BORES—continued.

Reference No.	Locality, Lease, Parish, Town, or District.	Local Name of Bore. (For additional Data, if any, refer to Notes at the end of this Table.)	Latitude. South.	Longitude East.	DATES.		Surface of Ground above Mean Sea Level, in Feet.	Total Depth of Bore, in Feet.	Depth to Principal Water Bel. below Surface.	Temperature of Water, Fahrenheit. Degrees.	ARTESIAN.		SUB-ARTESIAN.				REFERENCE NO. TO—			
					Commencement of Work.	Completion of Work.					Continuous Daily Flow in Gallons when Uncontrolled.	Static Head above Surface of Ground, in Feet.	Depth of Water Level below Surface, in Feet.	Volume Pumped or Available Daily, in Gallons.	Contractor.	Head Driller.	Section of Strata, &c.	Chemical Analysis.		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19		
40	Kynuna Town	Kynuna	21° 35' 10"	141° 55' 10"	20-5-04	15-11-04	L 702	2,221	u 2,086	150	ceased	..	7	W large	41	48	214	good		
41	Laidley Town	Laidley (abandoned)	27 37 20	152 22 0	15-1-89	22-9-90	? 380	2,512	..	..	See notes	..	..	..	8	..	141	S
42	Losie Plains	1. .. 2. ..	26 32 28 26 31 36	150 56 45 150 54 36	6-05	8-05 10-2-06	.. ..	145 110	143 116	.. ..	.. ..	.. ..	113 100	W 5,760 W 9,360	11 11	..	..	..
43	Mackunda Town	Winton and Bouli Shire	22 33 0	141 17 10	9-6-11	18-11-11	L 580	1,815	1,674	140	Y 644,000	85 to 97	..	..	60	48	287	good
44	McEuen Parish	Portion 321v ditto 317v (abandoned) ditto 350, No. 1 ditto 350, No. 2 ditto 402v (abandoned)	15-9-05 23-4-07	16-12-05 21-10-05 11-11-05 27-1-06 1-5-07	82 176 97 102 102	soakage .. dry .. dry	?	? P good ? P good	
		ditto 405v ditto 404v ditto 415v ditto 87 ditto 31	11-4-07 4-4-07 9-1-07	22-4-07 10-4-07 22-1-07	42 78 70 80 45
		ditto 68 ditto 70 (abandoned) A.F. 4282	24-7-07	8-8-07 17-8-07	80 83 80	dry	64
45	McKinlay Town	McKinlay	21 16 20	141 18 45	25-7-90	22-7-91	L 580	1,002	b 900	107	60,200	abt. 50	..	..	11	5	79	57
46	Merridew	Trust Bore	21 5 0	142 49 25	5-8-15	5-11-15	..	2,504	..	..	V 607,200	55 to 58	..	..	5	56	..	..
47	Middleton Town	Middleton	22 21 55	141 33 55	28-1-03	11-7-03	L 626	2,861	k 2,250	149.5	V 478,150	66 to 68	..	..	11	128	213	..
48	Mitchell Town	Mitchell	26 29 20	147 58 0	18-1-08	18-5-08	L 1,107	1,405	m 1,270	96.5	See notes	— 10	..	..	4	..	232	297
48a	Moselle	Trust Bore	20 49 30	143 13 45	5-16	18-1-17	L 786	2,000	f 1,550	104	285,840	— 32.3	..	..	87	274	..	..
49	Muckadilla	Muckadilla Town	26 35 20	148 23 15	21-10-89	24-12-98	L 1,173	D 3,762	b 3,287	120	23,000	— 33	..	..	4	..	..	..
50	Muttaborra District	Griffith's (abandoned)	22 41 0	144 41 40	24-4-85	4-86	..	298	..	..	..	..	87	1,500	6	..	..	{ K. 194 289
51	Muttaborra District	Govatt's (abandoned) Bangall Creek	22 36 15 22 33 15	144 33 .. 144 24 0	12-85 1-86	12-85 5-86	.. ..	96 296	dry ..	.. ..	.. ..	.. ..	.. ..	.. ..	6 6	..	..	..
52	Muttaborra-Winton Road	Bradley's Creek Darr (abandoned)	22 37 15 22 34 30	144 2 0 143 47 20	6-83 8-84	6-84 5-86	.. 800	345 255	97	..	..	..	89 80	? P 12,000 2,500	6 6	..	..	..
53	Nebine	Trust Bore	
54	Nive Parish	Darby Point (abandoned)	25 14 25	146 28 50	15-3-87	1-88	L 1,435	662	412	..	..	..	40	poor	6	..	..	..
55	Normanton Town	Normanton	17 40 15	141 4 44	9-5-94	11-95	L 22	2,330	? 2,014	151	99,500	..	..	..	11	..	14	18, 19
56	Prairie Town	Prairie	20 52 30	144 36 25	19-6-94	22-9-95	L 1,418	1,895	770	..	..	..	220	S 18,000	..	..	136	20
57	Rockhampton Town	N. Rockhampton (abandoned)	23 21 50	150 31 50	30-12-89	28-8-91	L 24	2,046	..	..	..	..	..	..	8	..	134	I, J
58	Roma Town	Roma, No. 1	26 34 30	148 46 50	6-7-97	12-11-97	1,029	1,678	a 700	98	C 52,600	..	..	..	4	74	137	76, 124
		Roma, No. 2	26 34 31	148 46 50	28-6-99	17-10-00	1,028	3,710	c 1,280	104	C 183,300	44 to ? 70	..	..	4	258	196	202, 203
59	St. George E.d., Bollon	65-Miles (from St. George)	27 58 20	147 44 40	29-11-89	30-9-91	L 633	2,362	b 2,362	124 1/2	Y 36,500	78 to 135	4	103	133	71		

TABLE OF GOVERNMENT BORES—continued.

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					Commencement of Work.	Completion of Work.					Continuous Daily Flow in Gallons when Uncontrolled.	Static Head above Surface of Ground, in Feet.	Depth of Water Level below Surface, in Feet.	Volume Pumped or Available Daily, in Gallons.	Contractor.	Head Driller.	Section or Strata, &c.	Chemical Analysis.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
60	St. George Town ..	St. George ..	28° 22' 5"	148° 35' 10"	9-12-02	5-1-04	L 655	2,709	2,690	134	309,000	81 to 245	..	..	11	107	212	288
61	Sebania Lease ..	Stack's (abandoned)	21 33 0	143 21 20	10-4-85	26-3-88	..	986	217	..	..	..	no fresh water	6	..	..	..	..
62	Sebania ..	Trust Bore ..	21 44 50	142 57 35	9-6-15	9-9-16	L 749	3,509	3,130	155	450,800	32 to 49	..	..	11	160	..	good
63	Tambo Town ..	Tambo ..	24 53 35	146 15 5	31-7-88	6-9-02	L 1,317	D2 450	2,425	118	250,000	?	..	..	48	..	222	L 306
64	Tara Shire Council ..	Tara Town ..	27 16 40	150 28 40	4-16	2-17	1,022	510	388	..	..	..	76	..	195	..	..	379, 380
65	Thargomindah District ..	Patterson or Pioneer ..	28 24 30	144 0 25	31-1-09	8-9-09	L 650	1,740	1,546	143	1,400,000	?	..	..	11	71	254	302
66	Ditto ..	Tindery ..	28 1 50	144 4 20	28-10-09	22-11-10	L 548	2,500	2,470	156.5	1,487,000	341 to 421	..	..	11	71	225	..
66a	Thargomindah Town ..	Thargomindah ..	27 59 15	143 48 25	21-10-91	9-9-98	L 427	2,650	2,635	160.5	614,700	556 to 624	..	..	29	81	126	13
67	Toorak Resumption ..	Trust Bore ..	21 3 30	141 55 10	20-10-16	P 12-16	..	974	..	..	..	..	..	..	69	180	..	..
67	Wallumbilla District ..	Village Settlement ..	26 33 47	149 9 15	27-12-00	4-5-01	1,062	1,546	1,350	85	20,790	?	..	..	4	258	198	..
68	Ditto ..	Pickenjennie ..	26 34 10	149 6 10	8-7-01	3-12-01	1,048	1,435	1,420	? 94	90,000	?	..	..	4	258	210	..
68	Weenallon ..	1. Trust Bore ..	28 22 30	149 3 10	18-5-11	27-1-14	L 652	3,666	2,950	139	817,300	228 to 273	..	..	6	79	288	..
69	Ditto ..	2. ditto ..	28 20 40	149 7 40	7-8-14	3-7-15	L 728	3,782	3,200	141	924,850	219	..	..	5	286	..	..
69	Ditto ..	3. ditto ..	28 24 35	149 13 50	1-9-15	P 12-16	L 750	2,622	..	..	..	..	..	161	275	..	..	..
69	Wellshot Railway Station ..	Wellshot (abandoned)	23 29 50	144 31 20	7-5-88	5-89	701	1,160	..	..	..	..	..	..	30	39	130	..
70	Westbrook ..	1. Reformatory ..	27 37 ..	151 48 ..	03	6-2-03	..	101	60	..	..	..	..	..	..	..	..	..
70	Ditto ..	2. Harrow Paddock ..	27 37 ..	151 48 ..	..	15	..	141	130	..	..	..	..	..	..	..	..	..
70	Ditto ..	3. State Farm ..	27 37 ..	151 48 ..	..	18	..	100	..	..	..	..	..	..	..	..	..	..
70	Ditto ..	4. Garden ..	27 37 ..	151 48 ..	..	..	..	188	182	..	..	..	..	..	..	..	..	..
71	Westlands Lease ..	Thomson Watershed ..	23 58 10	144 6 20	8-31	7-93	L 747	D 3,319	3,207	155	11,600	See notes	..	..	..	..	..	..
72	Winton-Boulia Road ..	Twelve Mile (abandoned)	22 23 55	142 51 5	2-86	9-87	..	203	..	..	..	..	203	..	..	..	..	..
73	Ditto ..	Dunbar No. 1 (abandoned)	22 14 40	142 12 40	8-10-86	6-12-86	L 632	334	225	..	..	..	..	..	..	..	..	..
73	Ditto ..	Dunbar No. 2 (abandoned)	22 14 40	142 12 40	2-12-86	2-5-87	..	434	..	..	..	..	..	..	..	..	..	..
74	Winton Town ..	Winton ..	25 25 25	142 39 27	1-7-02	24-5-05	..	4,001	105	..	..	..	..	..	..	..	..	..
75	Ditto ..	Winton ..	22 28 20	143 8 10	16-7-89	25-6-95	L 608	4,010	3,700	178	474,000	212	..	..	..	..	..	..
75	Ditto ..	Winton ..	22 23 40	143 3 10	..	..	..	350	336	..	..	..	..	..	..	..	..	..
75	Ditto ..	Winton ..	22 24 5	143 2 40	..	..	..	337	..	..	..	..	..	..	..	..	..	..
76	Woorooka Town ..	Woorooka ..	28 58 20	145 43 45	29-5-00	15-11-00	L 491	1,570	1,400	..	30,000	..	..	..	179	59	197	..
76a	Yanorra ..	Trust Bore ..	20 34 10	142 27 20	8-5-16	12-9-16	..	1,104	1,095	..	473,750	..	..	..	69	243	..	..
77	Yancho ..	Trust Bore

(B) BORES SUNK BY RAILWAY DEPARTMENT.

78	Normanton, R., 23 m. Ditto 24 m. Ditto 36 m.	(trial, abandoned) ..	17 52 48	141 53 30	8-88	18-12-88	45'	100	..	..	..	..	60	..	..	..	..	..
79	Northern R., 194 m. Ditto ..	(trial, abandoned) ..	17 53 15	141 54 50	19-12-88	..	60	..	..	..	..	..	52	..	..	..	..	..
79	..	Warren (abandoned) ..	20 49 25	144 50 50	..	3-89	90	..	..	..	..	..	..	..	..	..	..	..
79	..	Torrans Creek ..	20 46 10	145 1 20	..	6-96	L 1,420	494	385

TABLE OF GOVERNMENT BORES - continued.

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					Commencement of Work.	Completion of Work.					Continuous Daily Flow in Gallons when Uncontrolled.	Static Head above Surface of Ground, in Feet.	Depth of Water Level below Surface, in Feet.	Volume Pumped or Available Daily, in Gallons.	Contractor.		Head Driller.	Section of Strata, &c.	
1																			
80	Mackay Railway	Mackay Railway Station	21° 10'	149° 15'	5	6	8	9	10	11	12	13	14	15	16	17	18	19	
81	Central R., 1.6 m.	Stanwell	23 30	150 20	..	..	L 14	37	..	..	..	..	..	S 300,000	..	..	..	..	138
82	Ditto 133½ m.	Maria Creek	23 36	148 38	..	11-97	570	1,003	a 415	..	Intermit. flow	..	..	..	..	..	..	..	186
83	Ditto 307 m.	Jericho No. 1 (abandoned)	23 36	146 7	40	before '86	L 1,141	110	dry	90	..	..	..	..	..	..	..	..	..
84	Ditto 307 m.	Jericho No. 2	23 36	146 7	30	3-02	L 1,146	3,518	c 1,730	..	..	..	..	..	..	..	..	..	..
85	Ditto 321 m.	Springs (abandoned)	23 34	145 54	50	before '86	1,111	200	dry	..	..	..	..	S 5,000	..	..	..	..	..
86	Ditto 328 m.	Alice (abandoned)	23 34	145 48	..	..	994	50	dry	..	..	..	..	..	..	..	..	..	..
87	Ditto 336 m.	Back Creek No. 1	23 34	145 40	..	..	L 973	180	a 167	70	ceased dribble	..	nr. surf.	..	..	..	..	..	..
88	Ditto 337 m.	Back Creek No. 2	23 34	145 40	..	9-12-05	..	1,056	b 1,015	..	..	..	..	..	..	..	..	..	..
89	Ditto 354 m.	(trial, abandoned)	..	..	..	about	..	?	..	..	..	..	..	..	..	..	..	..	..
90	Ditto 360 m.	Lagoon Creek (abandoned)	..	..	..	..	..	200	dry	..	..	..	..	..	..	..	..	..	..
91	Western R., 154 m.	Dalby Cattle Yards	27 11	151 15	57	before	1,120	300	..	..	..	..	?	..	..	..	..	..	..
92	Ditto 372 m.	Mitchell	26 29	147 58	0	? 1886	1,100	208	a 208	..	..	..	..	..	..	..	..	..	..
93	Ditto 411 m.	Dulbydilla	26 25	147 22	25	..	L 1,444	370	..	..	..	..	180	..	..	..	..	..	..
94	Cloncurry Railway	Marathon Railway Station	20 52	143 34	0	..	L 880	941	b 854	101	222,500	65	..	..	..	..	..	..	..
95	Ditto	Nonda Railway Station	20 41	142 28	45	9-3-07	L 520	1,295	a 1,280	112	V 284,500	126 to 146	..	..	..	..	..	..	..
96	Ditto	Julia Creek Railway Station	20 40	141 44	35	29-6-07	410	1,121	y 1,108	121	C? 442,300	..	..	..	..	..	..	..	..
97	Ditto	Oorindi Railway Station	20 41	141 4	0	29-8-07	483	678	d 632	106	99,500	52	..	..	..	..	..	..	..

(C) BORES SUNK BY THE DEPARTMENT OF PUBLIC LANDS.

96	Adavale	1. Por. 21 (abandoned)	..	..	..	3-10	..	407	..	..	..	..	14	10,000	..	..	..	..	..	salt
97	Ditto	2. Por. 3 (abandoned)	..	..	..	7-10	..	504	..	..	..	..	69	9,600	..	..	..	..	..	salt
98	Balingboard	1. Well	..	..	..	..	..	150	..	..	..	..	..	360	..	..	..	..	..	salt
99	Ditto	2. Well	..	..	..	..	..	150	..	..	..	..	..	..	..	..	..	..	..	..
100	Ban Ban	1. Well	..	..	..	..	..	25	25	..	..	..	12	..	..	..	..	..	..	..
101	Ditto	2. Well	..	..	..	..	..	70	70	..	..	..	..	..	..	..	..	..	..	..
102	Barmoya	1. nr. Rockhampton (abandoned)	..	..	..	..	..	64	..	..	..	..	..	5,000	..	..	..	..	..	brackish
103	Ditto	2. (abandoned)	..	..	..	..	..	60	..	..	..	..	..	..	..	..	..	..	..	brackish
104	Bell Town	Deep Bore	..	..	..	15-12-08	1,573	969	735	..	..	..	131	9,600	6	..	..	..	..	brackish
105	Ditto	1. Shallow (abandoned)	..	..	..	..	..	150	..	..	..	..	..	3,620	..	..	..	..	..	brackish
106	Ditto	2. ditto (abandoned)	..	..	..	..	..	375	..	..	..	..	..	6,000	..	..	..	..	..	brackish
107	Ditto	1. (Well) O'Grady's	..	..	..	..	..	89	89	..	..	..	..	5,000	..	..	..	..	..	..
108	Ditto	2. (Well) Lafont's	..	..	..	..	..	100	100	..	..	..	..	3,620	..	..	..	..	..	..
109	Binjour Plateau	1. Por. 182	..	..	..	..	..	223	218	..	..	..	120	6,000	6	..	..	..	..	good
110	Ditto	2. Por. 185	..	..	..	..	..	316	80	..	..	..	80	4,800	6	..	..	..	..	good
111	Ditto	3.	191	310	7,200	6
112	Ditto	4.	333	318	4,300
113	Ditto	5. Por. 14 (abandoned)	414	1,200	6

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					Commencement of Work.	Completion of Work.					Continuous Daily Flow in Gallons when Uncontrolled.	Static Head above Surface of Ground, in Feet.	Depth of Water Level below Surface, in Feet.	Volume Pumped or Available Daily, in Gallons.	Contractor.	Head Driller.	Section of Strata, &c.	Chemical Analysis.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
102	Bowenville Town	1. Well	27° 50' 20"	148° 0' 5"	11-10	Feb., '08	64	280	..	..	..	..	..	W 7,280	..	..	..	good
103	Brigalow Estate	1.	..	..	1-09	15-9-10	310	280	..	..	..	..	110	P 5,160	6	76	..	fair
104	Burnciuth	1. Por. 97, N. of Chinchilla	..	..	..	08	258	..	..	..	..	..	128	W large	6	..	..	saline
	Ditto	2. Por. 19, ditto	..	..	..	08	401	193	..	..	..	..	120	W 14,400	6	..	..	saline
	Ditto	3. Por. 59, ditto (abandoned)	..	..	..	08	382	..	..	..	..	..	..	..	6	..	..	..
105	Canaga Estate	1. N. of Warra	..	..	..	4-09	200	..	..	..	..	..	144	W 11,280	..	..	..	good
	Ditto	2. Por. 54 (abandoned)	..	..	11-10	4-11	190	183	..	..	..	..	145	W 9,600	6	..	..	..
	Ditto	3. Por. 40 (abandoned)	..	..	..	..	190	..	..	..	..	..	163	W 1,440	..	..	..	..
	Ditto	4. Por. 40 (abandoned)	..	..	..	..	372	soak	..	..	..	..	160	W 60	..	..	..	..
	Ditto	5. Por. 9	..	..	..	..	178	..	..	..	..	..	..	P 7,200	..	..	..	..
	Ditto	6. Por. 39	..	..	..	..	268	..	..	..	..	..	..	P 7,200	..	..	..	..
106	Cypress Downs	1. Cypress, Trust Bore	27° 28' 0"	148° 1' 20"	4-2-10	12-16	D 3,103	2,600	..	147	V 1,115,380	230 to 256	..	..	105	171	266	fair
	Ditto	2. The Overflow, Trust Bore	..	..	12-8-11	5-5-12	2,878	..	..	131	V 4,781,150	..	..	..	6	..	267	..
107	Dulacca Town	1. (abandoned)	..	..	..	08	302	dry	..	..	..	..	..	..	6	..	..	..
	Ditto	2. (abandoned)	..	..	..	09	450	150	..	..	..	..	..	1,440	..	..	..	..
108	Euthulla	1. Por. 49	..	..	..	2-10	439	420	..	..	..	..	127	P 9,600	..	..	..	good
	Ditto	2. Por. 489	..	..	..	3-10	425	353	..	..	..	..	123	P 12,720	..	..	..	good
	Ditto	3. Por. 251 (abandoned)	..	..	..	8-10	360	315	..	..	..	..	90	P 9,600	..	..	..	saline
	Ditto	4. Mac's Gully (abandoned)	..	..	..	6-08	150	..	..	..	..	..	..	..	..	..	..	..
109	Gogango	1. (abandoned)	..	..	..	6-07	73	..	..	..	..	..	..	..	..	..	..	..
110	Jimbou	1. Well, Por. 320	..	..	..	2-09	38	38	..	..	..	..	25	P good	..	..	..	good
	Ditto	2. ditto 318	..	..	..	6-09	130	dry	..	..	..	..	55	P good	..	..	..	soft
	Ditto	3. ditto 315	..	..	..	7-09	97	97	..	..	..	..	58	P good	..	..	..	..
	Ditto	4. ditto 297	..	..	..	5-09	70	70	..	..	..	..	69	W good	..	..	..	..
111	Kaimkillenbun	Well	..	..	..	1-09	79	..	..	..	..	..	..	..	..	..	..	..
112	Langmorn	1. Well, Por. 93 (abandoned)	..	..	..	11	86	..	..	..	..	..	..	..	..	..	..	..
	Ditto	2. ditto 91	..	..	..	11	42	..	..	..	..	..	..	..	..	..	..	..
113	Loge P'ns, P. of Tuckerang	3. Well, Por. 142	..	..	..	..	124	89	..	..	..	..	..	..	11	..	..	..
	Ditto	4. ditto 8	..	..	..	..	105	103	..	..	..	..	..	..	..	..	..	..
114	Mount Bassett Estate	1. Por. 100v	26° 28' 10"	148° 53' 20"	1-10	14-10-10	1,746	980	..	..	..	..	248	P 10,000	28	..	..	..
	Ditto	2. Warooby, Por. 153v	26° 30' 10"	148° 53' 25"	4-11	27-9-12	2,064	700	..	..	..	..	150	P 9,600	28	..	..	..
115	Mount Mahen	1. Well	N.W.	of Bell	..	09	28	..	..	..	..	..	..	..	..	..	..	..
	Ditto	2. Well (abandoned)	..	..	..	09	52	..	..	..	..	..	..	..	..	..	..	..
116	Mount Morris Estate	Norah Park, Trust Bore	26° 4' 55"	145° 23' 10"	11-10	29-11-13	3,666	..	..	..	V 607,250	75 to 78	..	..	6	78	..	salt
117	Muggleton Estate	1. (abandoned)	..	..	..	1-10-10	401	401	..	..	..	..	210	P 14,400	6	..	..	..
	Ditto	3. ..	..	..	..	3-11	380	dry	..	..	..	..	210	P 12,000	6	77	..	..
	Ditto	4. ..	..	..	..	10-6-11	480	480	..	..	..	..	230	P 12,000	6	77	..	..
	Ditto	Well, Por. 65	..	..	..	10-11	480	480	..	..	..	..	..	..	6	..	..	..
118	Mundowan	Well, Por. 65	53	2,400
119	Mungala Town	12-09	500	260	215	P 10,800	59	good

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					Commencement of Work.	Completion of Work.					Continuous Daily Flow in Gallons when Uncontrolled.	Static Head above Surface of Ground, in Feet.	Depth of Water Level below Surface, in Feet.	Volume Pumped or Available Daily, in Gallons.	Contractor.	Head Driller.	Section of Strata, &c.	Chemical Analysis.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
120	Murgon Estate Ditto Ditto Ditto	1. (abandoned) 2. (abandoned) 3. (abandoned) 4. (abandoned) 5. (abandoned)	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	07 07 08 08 22-12-10	.. .. .. .. ..	277 275 300 79 327	dry 287 dry 54 285	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	76 44	W W	11 11 6 .. ..	.. .. .. .. ..	.. .. .. .. ..	fresh
121	Omrah, P. Logie	09	..	132	120	101	good
122	Perth Ditto	1. Por. 36 (abandoned) 2.	N.E. of Tara	2-10 10	350 131	304	80 101	W ..	6	salt
123	Tara District Ditto Ditto Ditto Ditto	1. Moomee Scrub (abandoned) 2. ditto (abandoned) 3. ditto 1. Myra (abandoned) 2. Myra (abandoned)	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	09 09 .. 09 09	1,020	303 400 350 366 202	.. .. 308 .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. 80 118 ..	.. .. 4,800	6 6 6 .. 6	.. .. .. .. ..	.. .. .. .. ..	brackish very salt
124	Wallumbilla Ditto Ditto	1. .. 2. Well	2-10 2-10	325 380 174	285 285 174	230 115 110	W W good	6 6 6	good fair
125	Wondalli Estate Ditto Ditto Ditto Ditto Ditto Ditto Ditto	1. .. 2. .. 3. .. 4. .. 5. Por. 71 6. Por. 40 7. Por. 77 8. Por. 20 Meriwa, Evans	.. .. .. .. .. .. .. ..	.. .. .. .. .. .. .. ..	.. .. .. .. .. .. .. ..	09 09 09 09 09 09 14-5-10 09	.. .. .. .. .. .. .. ..	246 255 268 287 418	240 200 268 280 356	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	80 100 110 100 60	? W W W W W	6 6 6 6 6 6 6 6	.. .. .. .. .. .. .. ..	.. .. .. .. .. .. .. ..	.. .. .. .. .. .. .. ..
126	Woomillar Scrub Ditto Ditto	1. (abandoned) 2. .. 3. (abandoned)	.. .. ..	.. .. ..	.. .. ..	08 08 08	.. .. ..	203 330 57	dry dry ..	.. .. ..	.. .. ..	.. .. ..	161 .. ..	.. .. ..	11 11 11	.. .. ..	.. .. ..	299

(D) BORES SUNK BY LOCAL AUTHORITIES.

Reference No.	Locality, Lease, Parish, Town, or District.	Local Name of Bore. (For additional Data, if any, refer to Notes at the end of this Table.)	Latitude South.	Longitude East.	Commencement of Work.	Completion of Work.	Surface of Ground above Mean Sea Level, in Feet.	Total Depth of Bore, in Feet.	Depth to Principal Bed, Feet below Surface.	Temperature of Water, Fahrenheit.	Continuous Daily Flow in Gallons when Uncontrolled.	Static Head above Surface of Ground, in Feet.	Depth of Water Level below Surface, in Feet.	Volume Pumped or Available Daily, in Gallons.	Contractor.	Head Driller.	Section of Strata, &c.	Chemical Analysis.	
127	Aramac Shire Council	Nine-mile	23° 6' 30"	145° 15' 30"	5-90	00	745	D 913	500	92	V	See notes	..	..	20	23	..	..	12
128	Ditto	Aramac Town	22 58 20	145 14 50	1-96	3-06	747	1,343	b 1,280	104	C	See notes	..	..	20	17	124	..	97
129	Ditto	Muttaburra Town	22 35 40	144 32 40	10-00	80-4-01	L 714	2,707	..	139	C	See notes	..	..	20	170	..	..	..
130	Ditto	Twenty-mile	23 15 25	145 15 25	21-12-06	25-1-07	..	1,058	..	99	V	..	..	..	68	66	..	..	..
131	Ditto	Grey Rock	23 0 40	145 36 0	9-10-13	30-10-13	..	249	b 230	..	..	..	196	..	..	..	..	..	..
132	Barcardine Shire Council Ditto	Town bore, Ash street ditto Pine street	23 33 30 23 33 35	145 17 20 145 17 45	2-93 1-4-99	21-9-04 30-5-99	L 871 L 877	D2,681 1,422	b ? 1,320 b 1,160	? 117 ? 1124	C ? C ?	320,000 223,000	.. ..	.. ..	17 21	.. 46	.. ..	.. ..	313 318

TABLE OF LOCAL AUTHORITIES' BORES—continued.

Reference No.	Locality, Lease, Parish, Town or District.	Local Name of Bore. For additional Data, if any, refer to Notes at the end of this Table.	Latitude South.	Longitude East.	DATES.		Surface of Ground above Mean Sea Level, in Feet.	Total Depth of Bore, in Feet.	Depth to Principal Water Bed, in Feet, below Surface.	Temp-erature of Water, Fahr-heit Degrees.	ARTESIAN.		SUP-ARTESIAN.		REFERENCE NO. TO—					
					Commence-ment of Work.	Com-pletion of Work.					Continuous Daily Flow in Gallons when Uncontrolled.	Static Head above Surface of Ground, in Feet.	Depth of Water Level below Surface, in Feet.	Volume Pumped or Available Daily in Gallons.	Contractor.	Head Driller.	Section of Strata, &c.	Chemical Analysis.		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19		
133	Blackall Municipal Council	Blackall Town (New)	24° 26' 0"	145° 28' 0"	1901	6-01	L 935	2,590	c 2,550	138	C 1,313,000	245	..	..	..	..	..	250, 373	
133a	Booranga Shire Council	Mitchell Town Well	† 26 29 ..	147 58 ..	..	..	..	90	..	..	..	..	?	W	..	..	..	brackish	
134	Boulia Shire Council	15 Mile	22 58 15	140 10 20	..	before '15	..	330	..	..	..	..	..	very small	..	..	..	..
135	Bulloo Shire Council	Pioneer Well	† 28 24 25	144 1 15	..	before '09	..	644	..	? 400	..	..	low	..	..	..	..	..
136	Carpentaria Shire Council	Normanton, Woodward street	17 14 15	145 4 44	(aband'd)	21-12-85	20	227	..	..	..	..	..	..	..	..	..	..
137	Cloncurry Shire Council	Granada Well	† 20 4 50	140 22 10	..	before '16	L 477	? 50	..	..	..	..	32.2	Wh	..	..	..	good	
138	Dalby District	Corporation Well	27 11 04	151 16 13	before ..	12-98	L 1,114	110	a 110	..	..	..	85	W	..	..	..	48,000	
139	Ditto	Branch Creek	27 13 0	151 15 7	" "	" "	..	120	a 120	..	..	..	80	..	..	..	..	..
		Oakey Creek	27 19 29	151 17 0	" "	" "	..	100	a 100	..	..	..	..	60	..	..	..	..
		Ditto	26 54 52	151 22 9	before ..	12-98	..	..	80	a 80	..	..	..	68	..	..	..	..	..
		Ditto	26 58 6	151 23 25	" "	" "	..	..	75	a 75	..	..	..	68	..	..	..	..	..
		Ditto	26 59 52	151 29 17	" "	" "	..	..	120	a 120	..	..	..	80	..	..	..	..	..
		Ditto	27 2 0	151 25 11	" "	" "	100	a 100	60
		Ditto	27 2 57	151 29 40	" "	" "	80	a 80	30
140	Ditto	Moola Creek	27 4 39	151 29 17	" "	" "	..	120	a 120	..	..	..	..	60	..	..	..	..	..
		Moretta's Corner	27 9 28	151 20 12	" "	" "	..	..	75	a 75	..	..	..	65	..	..	..	..	..
		Hayfield's Gate	27 10 42	151 17 11	" "	" "	..	..	75	a 75	..	..	..	65	..	..	..	..	..
		Maakoff	26 54 31	151 23 48	" "	" "	80	a 80	65
		1. Mount Halley (abandoned)	..	..	" "	" "	08	..	160	a 160	..	..	..	..	40	F	..	..	3,840
		2. ditto	..	..	" "	" "	08	..	120	a 120	..	..	..	..	40	F	..	..	14,400
		Ditto	Jondowale Town No. 1	..	..	..	..	..	140	a 140	..	..	..	..	100	P	..	..	3,000
141	Dairyymple Shire Council	Wowra Creek	21 34 35	145 14 40	1,795	6-10-95	905	423	a 400	82	..	..	8	P	..	..	..	60,000	
142	Flinders Shire Council	Richmond Town	†† 20 44 30	143 94 5	12-90	14-2-99	725	1,189	b 1,090	108	? 900,000	..	..	..	..	..	..	..
143	Ditto	Horseshoe Bend	21 8 ..	144 13 ..	28-7-09	20-4-09	L 880	1,135	1,010	1,155	128,370	18.5 to ?	..	90	W large	..	..	..	229
		Broken Dam	† 21 26 10	144 11 25	7-10	8-1-11	..	1,773	..	..	..	..	..	..	..	107	150	..	..
144	Hughenden M. Council	Town Bore No. 1	† 20 51 15	144 11 35	3-1-98	7-98	1,094	3,069	1,315	? .. 97	..	..	64	S ?	..	..	..	120,000	
		ditto No. 2	..	..	21-8-02	29-9-02	1,094	601	a 573	..	..	..	..	178	S ?	..	..	64,400	
145	Ilfracombe Shire Council	Ilfracombe Town	†† 23 29 20	144 30 45	1-96	3-97	L 710	2,450	b 1,650	132	V 222,000	See notes	..	..	..	..	..	..	301
146	Kargoolnah Shire Council	Yalleroi	24 4 45	145 45 0	17-3-00	10-4-00	L 1,173	961	b 700	? 100	ceased	..	..	8	S large	..	..	..	..
147	Ditto	Thornleigh	24 19 35	144 56 20	? 5-01	15-9-02	L 810	4,003	e 3,975	174	312,000	..	..	..	..	..	..	..	209
148	Ditto	Glenusk	24 18 0	145 39 50	08	3-4-04	L 1,044	2,384	c 2,140	..	729,500	23!	..	..	..	..	..	..	21

TABLE OF LOCAL AUTHORITIES' BORES—continued.

Reference No.	Locality, Lease, Parish, Town, or District.	Local Name of Bore. (For additional Data, if any, refer to Notes at the end of this Table.)	Latitude South.	Longitude East.	DATES.		Surface of Ground above Mean Sea Level, in Feet.	Total Depth of Bore, in Feet.	Depth to Principal Water Bed, Feet below Surface.	Temperature of Water, Fahrenheit below Degrees.	ARTESIAN.		SUB-ARTESIAN.		REFERENCE NO. TO—				
					Commencement of Work.	Completion of Work.					Continuous Daily Flow in Gallons when Uncontrolled.	Static Head above Surface of Ground, in Feet.	Depth of Water Level below Surface, in Feet.	Volume Pumped or Available Daily, in Gallons.	Contractor.	Head Driller.	Section of Strata, &c.	Chemical Analysis.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
149	Kalgoorlie Shire Council	Burra Burra	24° 37' 30"	145° 19' 50"	5-8-08	14-5-10	912	3,073	c 2,800	152	359,000	231	..	..	51	53	230	210
150	Longreach Shire Council ..	Longreach Town	23 26 35	144 14 40	4-97	10-12-97	L 625	3,590	c 2,400	162	C 205,000	See notes	..	..	21	..	125	210
151	Mitchell Rabbit Board ..	Muttaborra Winton road	22 32 25	143 37 10	(abandoned)	12	D 882	319	..	..	..	..	160	?	150	197	..	..
152	Murweh Shire Council ..	Norven Town	26 24 25	147 7 30	7-96	10-97	1,410	2,657	b 2,410	100	..	..	105	S ? 200,000	3	58	132	130, 198
153	Roma Municipal Council	Court House (abandoned)	26 34 25	148 47 10	7-82	12-82	982	500	250	60
154	Winton Shire Council ..	Dry Creek	22 14 ..	142 54	15-8-07	*	303	b 265	P 1,000

TABLE OF PRIVATE BORES—continued.

Reference No.	Locality, Lease, Parish, Town, or District.	Local Name of Bore and Name of Owner. (For additional data, if any, refer to Notes at the end of this Table.)	Latitude South.	Longitude East.	DATES.		Surface of Ground above Mean Sea Level, in Feet.	Total Depth of Bore, in Feet.	Depth to Principal Water Bed, Feet below Surface.	Temperature of Water, Fahrenheit Degrees.	ARTESIAN.		SUB-ARTESIAN.		REFERENCE NO. TO—			
					Commencement of Work.	Completion of Work.					Continuous Daily Flow in Gallons when Uncontrolled.	Static Head above Surface of Ground, in Feet.	Depth of Water Level below Surface, in Feet.	Volume Pumped or Available Daily, in Gallons.	Contractor.	Head Driller.	Section of Strata, &c.	Chemical Analysis.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
166	Aramac Lease	9. Eagle Flat, Goldsbrough, Mont.	22° 52' 50"	145° 28' 50"	.. 03	31-11-93	..	300	..	79.5	53,000	6	..	..	86	113	..	..
	Ditto	10. Five-mile land Co	22° 55' 55"	145° 30' 30"	before	12-11	L 830	79	..	..	..	..	..	..	86	113	..	..
	Ditto	11. Teatree (above d)	22° 55' 55"	145° 30' 30"	11-11	12-11	L 830	80	..	8.4	..	..	..	..	86	113	..	..
	Ditto	12. Friendly Springs ditto	22° 56' 30"	145° 30' 5	03	03	L 824	82	..	..	24,000	2.8	..	..	6	168	..	..
	Ditto	12A. ditto	22° 56' 30"	145° 31' 15	1-11-14	13-1-15	L 800	238	a	..	21,000	..	..	..	86	113	..	..
	Ditto	13. S. Top 20 Miles ditto	22° 50' 0"	145° 28' 40	03	03	L 800	82	..	77	450	..	..	..	6	282	..	..
	Ditto	13A. N. Top 20 Miles ditto	22° 49' 50"	145° 28' 40	03	03	L 800	82	..	77	800	..	..	..	6	282	..	..
	Ditto	14. Vinson's ditto	22° 49' 20"	145° 28' 20	03	03	L 793	64	..	78	13,000	..	..	..	6	282	..	..
	Ditto	15. 5-Mile Teatree ditto	22° 53' 30"	145° 29' 20	04	04	L 808	100	..	80	47,500	4	..	..	6	284	..	..
	Ditto	16. Pelican East ditto	22° 50' 0"	145° 26' 35	19-7-13	18-8-13	L 765	416	b	89	410,700	18 to 25.4	..	..	87	115	..	..
	Ditto	17. Pittsburg ditto	22° 52' 55"	145° 26' 5	6-9-13	24-9-13	..	400	a	680	..	..	295	..	87	115	..	..
	Ditto	18. Loxton ditto	22° 58' 50"	145° 27' 25	16-10-15	16-3-16	..	..	a	..	..	..	2.5	106,000	171	151	..	..
	Ditto Resump.	1. Dudley Park, S. Tart ..	22° 45' 0"	145° 27' 25	15-5-15	29-5-15	..	..	a	..	..	..	..	..	174	249	..	..
	Ditto	2. ditto	22° 43' 25"	145° 28' 20	26-6-15	14-7-15	..	63	a	..	..	..	..	..	174	249	..	..
167	Aramac and Coreena Resump.	1. Taree, A. G. Blyth ..	23° 10' 50"	145° 30' 25	5-06	30-5-06	L 861	247	b	84.5	85,500	..	..	..	6	66	..	..
	Ditto	2. ditto	23° 10' 40"	145° 30' 30	11-07	11-07	L 834	140	a	81	115,000	..	..	..	6	66	..	..
	Ditto	1. Murrabit, H. E. Miller	23° 7' 15"	145° 34' 0	88	93	L 926	200	..	82	..	..	..	..	20	..	..	..
	Ditto	2. ditto	23° 6' 20"	145° 31' 0	24-8-09	30-9-09	L 848	220	..	86	170,000	..	..	..	..	..	..	..
	Ditto	1. Politic, M. J. Ballinger	23° 4' 0"	145° 30' 35	?	?	L 856	107	..	82	63,500	..	..	..	6	111	..	..
	Ditto	2. ditto	23° 4' 0"	145° 30' 35	07	07	L 849	110	..	80	34,000	..	..	..	..	..	..	..
	Ditto	3. ditto	23° 4' 15"	145° 19' 20	92	92	L 900	900	..	97	583,000	..	..	..	20	189	..	..
	Ditto	4. ditto	23° 1' 35"	145° 25' 0	92	92	L 775	729	..	92	..	..	..	..	20	189	..	..
	Ditto	1. Ivy Leaf, T. W. A. Wall	23° 3' 45"	145° 35' 50	17-11-12	11-12-12	L 1172	288	..	80	..	..	..	..	86	113	..	..
	Ditto	1A. ditto	23° 3' 45"	145° 35' 50	10-12	11-12	L 1172	288	..	80	..	..	..	..	86	113	..	..
	Ditto	2. ditto	23° 5' 0"	145° 38' 25	..	..	L 764	1,330	..	103	437,300	..	..	..	68	17	..	..
168	Aramac North District	1. Stainburn, E. Steele	22° 44' 15"	145° 12' 25	92	92	L 774	1,100	b	102	461,000	..	..	..	20	20	..	..
	Ditto	2. Springdale ditto	22° 47' 30"	145° 12' 25	?	?	L 774	1,804	b	102	403,800	..	..	..	171	244	..	..
	Ditto	3. Stainburn ditto	22° 47' 30"	145° 12' 25	22-8-14	9-2-15	..	..	..	..	..	..	..	..	..	..	..	..
	Ditto	1. Stagmount, G. F. 783	22° 48' 45"	145° 16' 25	92	11-92	L 782	978	b	97	285,000	..	..	..	6	..	..	..
	Ditto	2. ditto	22° 45' 20"	145° 16' 15	10-09	9-10	L 841	2,019	c	109	76,800	..	..	..	?	..	..	..
	Ditto	3. ditto	22° 40' 40"	145° 19' 50	2-12	5-12	L 884	588	a	197	..	..	..	..	31	14	..	..
	Ditto	Kingsborough, J. J. Lochart	22° 41' 50"	145° 2' 15	2-9-07	10-1-07	L 788	1,657	a	111	365,000	..	..	..	37	25	..	..
	Ditto	Glenambry, W. Walters ..	22° 53' 35"	145° 2' 30	29-4-05	20-7-05	L 765	1,850	b	119	444,000	..	..	..	20	17	..	..
	Ditto	Fawella G. F. 2v, P. Tait	23° 1' 10"	145° 4' 0	6-92	6-92	L 708	1,950	b	119	520,000	..	..	..	..	..	..	..
	Ditto	Myrtle Farm, Trust Bore	23° 0' ..	145° 12' ..	19-11-14	15-2-15	L 622	1,250	b	..	750,000	..	..	..	..	..	..	..
	Ditto	Ballynuty	..	..	13	13	..	500	a	..	..	..	..	..	..	..	..	..
	Ditto	Cooroobyne	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
169	Arocho Lease	1. Prairie, Q. N. Bank ..	27° 29' 50"	144° 23' 0	1-6-05	1-1-06	L 594	2,604	? e	154.5	1,045,000	347 to 406	..	..	11	71	..	..
	Ditto	2. Mobile Ck., ditto	27° 15' 30"	144° 4' 0	6-06	8-14	..	2,750	no record	..	1,750,000	..	..	..	11	71	..	..
	Ditto Resump.	Saltbush Plains, C. H. Phillott	27° 22' 0"	144° 26' 20	8-7-14	P	..	900	..	..	..	..	..	..	56	57	..	..
170	Arrabury Lease	Murray's Well, Lindsay and How	28° 39' 45"	141° 16' 25	..	before 96	..	22	a	..	..	..	14	P large	..	..	..	..
171	Authoring and Riversleigh Leases	1. Vera Park, Fred Nott	26° 30' 30"	146° 20' 40	11-95	? 2-96	L 1,048	Df 2,000	..	117	ceased	..	4	O 61,000	3	58	..	..
	Ditto	2. Rocky, Aust. Past. Co	26° 40' 25"	146° 27' 25	1-1-96	6-98	L 1,290	? 3,086	..	..	..	..	104	W good	2	58	..	..
	Ditto	3. Williams	26° 48' 35"	146° 47' 0	8-98	99	L 1,080	1,207	a	..	74,700	? ..	..	..	4	211	..	..
	Ditto Resump.	Shelbourne, J. E. Espie ..	24° 46' 40"	146° 35' 45	1-12	6-12	L 1,071	1,221	c	101	98,300	122 to ?	..	..	111	147	..	..
	Riversleigh Resump.	Colombo, Campbell Bros. ..	26° 42' 25"	146° 16' 50	10-4-09	1-10-09	L 975	1,896	..	118	950,000	..	..	..	56	57	..	..

TABLE OF PRIVATE BORES—continued.

Reference No.	Locality, Lease, Parish, Town, or District.	Local Name of Bore and Name of Owner. (For additional data, if any, refer to Notes at the end of this Table.)	Latitude South.	Longitude East.	DATES.		Surface of Ground above Mean Sea Level, in Feet.	Total Depth of Bore, in Feet.	Depth to Principal Water Reservoir below Surface.	Temperature of Water, Fahrenheit Degrees.	ARTESIAN.		SUB-ARTESIAN.		REFERENCE NO. TO—			
					Commencement of Work.	Completion of Work.					Continuous Daily Flow in Galtons when Uncontrolled.	Static Head above Surface of Ground, in Feet.	Depth of Water Level below Surface, in Feet.	Volume Pumped or Available Daily, in Gallons.	Contractor.	Head Driller.	Section of Strata, &c.	Chemical Analysis.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
171	Authoringa Resump.	1. Bicton, Byrnes & Borthwick	26° 48' 5"	146° 42' 0"	..	..	L 1,113	760	730	? 85	3,200	below 14	..	..	..	..	..	..
contd.	Ditto	ditto	26 46 40	146 44 40	10-8-14	30-9-14	L 1,148	835	790	? 80	ceased	12 to 22	..	..	..	..	..	good
	Ditto	ditto	26 50 20	146 44 20	7-10-14	10-11-15	L 1,102	720	670	91.5	20,800	..	..	..	..	..	..	good
	Ditto	ditto	26 48 50	146 39 55	..	..	L 1,108	890	805	86	1,260	..	..	..	..	..	..	good
	Ditto	ditto	26 46 20	146 40 0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
172	Avington Lease	1. Station, Clark and Whiting	24 4 14	144 56	09	10	..	3,808	3,280	..	985,000	..	..	..	11	89	271	..
	Ditto Resumption	Mulgrave, S. Murren	24 2 55	145 7 25	13-9-11	31-5-13	..	3,468	..	..	540,000	..	..	..	68	281	..	..
	Ditto	M. Arthur, Thos. Burns	23 56 40	144 57 30	7-1-14	1-3-2-14	..	419	409	..	..	..	..	..	132	..	..	..
	Ditto	1. Avonleigh, M. A. Browning	..	..	10	10	..	280	280	..	..	..	..	..	54	181	..	brackish
	Ditto	2. Melrose, W. Browning	24 13 20	145 7 50	28-9-10	11	..	220	220	..	..	..	..	..	54	181	..	brackish
	Ditto	3. Avonleigh, M. A. Browning	..	..	19-8-13	10-9-13	..	294	294	..	..	..	..	..	132	182	..	fresh
	Ditto	ditto	..	..	13	10-13	..	260	260	..	..	..	..	..	132	182	..	brackish
	Ditto	4. Cooleagh, W. M. L. Crawford	24 1 50	145 0 30	11	11	..	582	547	..	..	..	..	..	54	280	..	brackish
	Ditto	1. Urambee, E. E. McCullough	23 55 45	145 11 50	6-2-11	1-4-11	..	160	150	..	..	..	..	..	6	278	..	fresh
	Ditto	ditto	23 57 0	145 7 40	15-1-13	15-5-13	..	230	230	..	..	..	..	..	6	279	..	salt
	Ditto	ditto	23 56 20	145 9 15	16-5-13	15-9-13	..	323	300	..	..	..	..	..	6	279	..	fresh
	Ditto	ditto	23 58 50	145 4 35	7-10-14	12-14	..	900	789	..	..	..	..	..	42	48	..	brackish
	Ditto	5. ditto	23 58 40	145 7 10	1-15	6-3-15	..	401	380	..	..	..	..	..	42	48	..	salty
	Ditto	6. ditto	23 55 55	145 11 50	4-15	6-15	..	403	350	..	..	..	..	..	42	48	..	brackish
173	Avonjale Lease	1. G.F. 94, J. Bignell	28 23 25	146 26 50	9-33	9-33	..	317	1,621	..	899,700	257 to 310	..	..	4	32	..	192
	Ditto	2. Por. 3v,	28 22 30	146 21 25	19-8-98	11-12-98	L 531	1,021	..	..	V	..	..	..	4	..	..	..
174	Avonshire Downs Lease	1. Six-mile, Q.N. Bank	22 0 40	142 40 10	1-95	9-97	L 620	4,438	4,360	184	260,000	..	..	..	10	..	..	44
	Ditto	ditto	21 44 45	142 31 0	11-4-98	9-99	L 751	3,721	3,200	172	182,500	..	..	..	10	..	..	good
	Ditto	ditto	21 49 20	142 36 10	9-99	9-92	L 756	3,983	3,200	182	315,000	..	..	..	11	23	..	good
	Ditto Resumption	Teviot, G. F. 29	22 12 20	142 50 10	12	7-12	..	445	429	..	..	..	..	..	..	..	..	good
	Oondooroo Resumption	Blumefeld, G. F. 250	22 15 30	142 53 30	..	..	..	462	450	..	..	..	..	..	..	..	..	good
175	Bando Lease	1. Boto, Kay Bros.	27 16 50	145 30 35	4-08	28-4-93	L 870	2,090	no record	180.7	941,700	97 to 108	..	..	..	..	..	94
	Ditto	2. Juan	27 26 50	145 30 40	15-10-09	9-98	L 925	2,075	2,000	124.5	592,400	..	..	..	..	..	..	..
	Ditto	3. Kangaroo Plains, J. C. H. Schmidt	27 19 10	145 30 20	15-10-09	25-2-10	L 964	1,873	..	122.5	1,496,000	..	..	..	..	..	..	..
176	Bando District	1. Goolburra, J. C. H. Schmidt	27 34 25	145 39 20	1-06	7-6-06	L 947	1,950	1,800	116	513,000	23.5 to 25.8	..	..	..	..	..	..
	Ditto	2. Wachen, C. Campbell and Sons	27 35 15	145 43 30	11-10-05	10-1-06	L 913	2,109	1,760	117.5	527,000	43 to 47	..	..	..	..	..	..
	Ditto	Glendilla, E. D. Pike	27 43 0	145 32 0	1-07	31-5-07	L 787	1,727	..	124.5	570,400	? to 102	..	..	..	..	..	fair
177	Barcardine Downs Lease	1. Twenty-mile, Clark, Tait, & Co.	23 46 0	144 54 10	89	21-1-96	L 868	D 3,533	3,400	161	340,000	99 to 113	..	..	6	14	..	..
	Ditto	2. Greasy or Woolshed [E. Co.]	23 43 15	145 5 20	4-10-93	5-8-95	L 873	2,778	2,670	142	626,700	83 to 95	..	..	6	14	..	..
	Ditto	3. Portland Boundary ditto	23 55 25	144 52 40	30-11-08	27-8-10	L 813	3,406	3,340	162	340,000	..	..	..	68	..	..	..
178	Barcardine North District	1. Brackhill, J. Cronin	23 33 0	145 19 15	12-92	26-1-93	L 877	1,002	1,000	106	195,000	12 to 15	..	..	40	..	..	..
	Ditto	Mayfield, A. J. Brown	23 29 5	145 14 10	9-98	2-99	L ..	2,020	b 1,150	95	12,000	very low	..	..	31	51	255	..
	Ditto	1. Braeside, J. Arthur	23 29 5	145 19 10	10-95	11-95	L ..	1,866	b 1,000	105	70,000	..	..	..	..	..	..	..
	Ditto	ditto	23 29 50	145 19 5	..	20-7-07	L ..	3,028	b 2,510	106	110,000	..	..	..	..	..	..	..
	Ditto	3. ditto	23 28 55	145 22 5	..	10-08	L ..	912	..	101	..	..	..	..	..	..	..	..
	Ditto	Woodend, R. Walker	23 30 5	145 20 30	1-3-99	12-4-99	L ..	1,482	b 1,050	108	100,000	..	..	..	..	..	..	..
	Ditto	1. Lakeview, C. Kirby	23 31 20	145 25 30	end of 91	25-3-92	L 875	1,482	a 1,050	108	163,000	..	..	..	..	..	..	..
	Ditto	ditto	23 32 30	145 15 15	..	..	L ..	606	..	109	..	..	..	..	..	..	..	..
	Ditto	G.F. 109, W. J. O'Regan	23 32 25	145 22 0	..	..	L ..	999	a 860	109	104,000	..	..	..	..	..	..	..
	Ditto	Por. 37v, W. J. Brown	23 33 30	145 19 20	..	..	L ..	996	..	105	216,000	? to 16	..	..	..	..	..	..

TABLE OF PRIVATE BORES—continued.

Reference No.	Locality, Lease, Parish, Town or District.	Local Name of Bore and Name of Owner. (For additional Data, if any, refer to Notes at the end of this Table.)	Latitude South.	Longitude East.	DATES.		Surface of Ground above Mean Sea Level, in Feet.	Total Depth of Bore, in Feet.	Depth to Principal Water Bed, in Feet below Surface.	Temperature of Water, Fahrenheit Degrees.	ARTESIAN.		SURF ARTESIAN.		REFERENCE NO. TO—			
					Commencement of Work.	Completion of Work.					Continuous Daily flow in Gallons when Uncontrolled.	Static Head above Surface of Ground, in Feet.	Depth of Water Level below Surface, in Feet.	Volume Pumped or Available Daily, in Gallons.	Contractor.	Head Driller.	Section of Bore.	Chemical Analysis.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
179	Barcardine South District	Alice B. Co-operative	23° 35' 10"	145° 19' 50"	3-1-99	4-3-98	L 909	1,320	b 1,100	105	273,800	29 to 36	..	..	31	47	..	..
	Ditto	1. Dunraven, Moyes	23 37 50	145 8 50	13-11-95	15-7-96	L 909	2,450	2,260	131.5	223,600	30.8 to 34	..	..	21	..	..	..
	Ditto	ditto	23 35 30	145 26 30	13	6-95	L 909	? 1,300	..	108	230,000	..	..	..	21	..	..	..
	Ditto	2. Jaccondol, M. E. Campbell	23 36 20	145 23 20	95	6-95	L 909	? 1,300	..	108	223,000	..	..	..	..	..	..	..
	Ditto	ditto	23 33 30	145 18 0	9-89	15-4-96	L 856	D1,184	b 1,789	109	225,400	28 to 31	..	..	..	..	..	..
	Ditto	Woolsecom, McLaughlin	23 33 20	145 11 55	11-92	26-2-93	L 887	1,798	b 1,789	120	132,000	14.6 to 16.8	..	..	19	..	..	..
	Ditto	1. Westbourne, E. R. Graham	23 33 50	145 12 50	4-1-05	21-2-05	L 871	1,620	b 1,620	118	58,000	16.5 to 29	..	..	85	..	..	..
	Ditto	ditto	23 33 10	145 8 0	1-11-11	6-6-12	..	1,895	b 1,853	120	118,000	11.4 to 21	..	..	49	100	283	..
	Ditto	3. G.F. 135, J. Arthur	23 36 45	145 35 40	10	10	..	1,372	750	..	100,000	..	..	..	..	..	..	..
	Ditto	Walker's Selection	23 36	145 34	..	..	..	? 903	c 903	..	275,000	..	..	..	..	..	..	..
	Ditto	A.F. 60 L, D. Stibbar	23 34 10	145 20 55	..	11-05	L	? 1,300	..	110	200,000	..	..	..	..	..	..	..
180	Ditto	1. Clover Hills, P. Curry	23 50 0	145 21 35	11-93	3-1-94	L 916	1,705	1,600	118.5	88,000	..	..	..	17	..	..	..
	Ditto	3. Bellmore Park, P. Curry	23 54 25	145 23 20	..	10-08	L 970	2,103	..	132	175,000	..	..	..	..	..	..	..
	Ditto	ditto	23 49 40	145 18 15	13-5-14	13-9-14	L 936	1,419	1,400	126	70,000	see notes	..	..	68	66	..	..
	Ditto	2. Kyneton, H. J. Sealy	23 49 20	145 24 50	11-98	20-3-99	L 936	2,040	b 1,960	126	428,000	..	..	..	..	..	..	..
	Ditto	Patrick, Richardson	23 44 0	145 17 20	10-96	12-96	L 844	2,074	b 2,070	132	162,800	see notes	..	..	..	..	..	..
	Ditto	Killarney, Matthew	23 41 ..	145 14 ..	..	02	..	2,100	..	? 125	635,000	..	..	..	..	..	..	..
181	Barcardine East District	1. Dalgi (old), W. K. Dalzell	23 26 20	145 16 30	6-91	6-91	L 925	1,169	b 1,070	103	ceased	..	..	..	20	..	..	..
	Ditto	2. Forcupine, ditto	23 33 15	145 33 30	4-96	7-96	L 930	430	b 430	83	ceased	..	..	..	127	..	..	..
	Ditto	3. Maxwell's, ditto	23 30 55	145 36 50	1-9-97	end of 97	L 997	600	? 600	82	..	..	..	..	21	..	..	..
	Ditto	4. Shakespeare's, ditto	23 27 40	145 27 45	3-7-92	3-7-92	L 965	1,040	? 1,000	96	108,000	..	..	..	17	..	..	..
	Ditto	5. Dalgai (new), ditto	23 26 35	145 18 0	20-12-98	25-1-99	L	1,215	b 1,040	104	ceased	..	..	..	20	..	..	..
	Ditto	6. G.F. 146, E. L. Dalzell	23 30 0	145 43 0	11-99	00	L 1,169	247	198	..	..	..	..	..	..	..	..	..
	Ditto	7. G.F. 146, ditto	23 29 20	145 39 0	05	05	L 1,067	315	168	83	..	..	..	..	..	..	..	..
	Ditto	8. Stake Yard, W. K. Dalzell	23 29 30	145 34 55	08	08	L 980	200	190	82	..	..	..	..	..	..	..	..
	Ditto	9. Brigalow, ditto	23 22 25	145 41 25	12	12	L 1,259	325	298	..	..	..	..	..	..	172	..	..
	Ditto	ditto	23 22 25	145 41 25	08	08	L 1,259	325	298	..	..	..	..	..	..	..	..	..
	Ditto	10. Edward's, E. L. Dalzell	23 33 5	145 39 20	08	08	L 980	290	190	83	..	..	..	..	..	..	..	..
	Ditto	1. Valley Downs, S. E. Allason	23 27 10	145 31 5	2-09	5-09	L 921	130	a 129	82.5	..	..	..	..	126	129	..	brackish
	Ditto	ditto	23 28 10	145 32 0	8-11	9-11	L 952	251	b 250	..	..	..	..	..	126	129	..	fair
	Ditto	2. Bushbina Fm., A. E. Cudmore	23 32 20	145 43 45	1-3-09	09	L 1,140	360	a 160	79	..	..	..	..	..	..	..	..
	Ditto	ditto	23 31 15	145 45 10	09	31-5-09	L 1,147	210	a 160	..	..	..	..	..	..	..	..	..
	Ditto	Thornhill, late M. Lynch	23 29 0	145 30 40	11	12-8-11	L 933	195	a 195	81	..	..	..	..	126	129	..	good
182	Barley Downs Lease	1. Younggrove, Q.N. Bank	20 28 ..	138 19 ..	2-9-01	5-4-02	..	306	a 223	..	..	..	..	..	11	..	..	..
	Ditto	2. Worna Creek, ditto	20 13 ..	138 16 ..	4-11-01	14-12-01	..	436	a 220	..	..	..	..	..	11	..	..	..
	Ditto	3. Buckley River, ditto	20 19 30	138 19 ..	13-1-02	8-3-02	..	390	a 227	..	..	..	..	..	11	..	..	..
	Ditto	4. Deer Park, ditto	20 34 ..	138 22 ..	14-4-02	14-1-02	..	280	a 205	..	..	..	..	..	11	..	..	..
	Ditto	5. Donnieknowe, ditto	20 30 ..	138 30 30	1-7-02	1-9-02	..	316	a 275	..	..	..	..	..	11	..	..	..
	Ditto	6. Fenoy, ditto	20 37 ..	138 27 ..	3-06	28-4-06	..	279	b 269	..	..	..	..	..	11	..	..	..
	Ditto	7. Betherly, ditto	20 16 ..	138 36 ..	30-4-06	28-6-06	..	442	b 395	..	..	..	..	..	11	..	..	..
	Ditto	8. Beta, ditto	20 23 ..	138 8 ..	..	18-8-06	..	235	b 235	..	..	..	..	..	11	..	..	..
	Ditto	9. Eta, ditto	20 28 ..	138 2 ..	..	27-10-06	..	212	b 212	..	..	..	..	..	11	..	..	..
183	Barcoorah Lease	1. Woolshed, E. Jowett	22 38 25	145 22 15	14-8-97	30-9-07	L 911	741	b 420	? 90	..	..	..	..	20	13	206	good
	Ditto	2. Old ditto	22 40 40	145 20 35	08	12-08	L 919	445	..	85	..	..	..	..	6	118	..	fair
	Ditto	3. New ditto	22 34 55	145 20 0	09	5-09	L 866	445	..	84	..	..	..	..	6	118	..	..

TABLE OF PRIVATE BORES—continued.

Reference No.	Locality, Lease, Parish, Town, or District.	Local Name of Bore and Name of Owner. (For additional Data, if any, refer to Notes at the end of this Table.)	Latitude South.	Longitude East.	DATES.		Surface of Ground above Mean Sea Level, in Feet.	'Total Depth of Bore, in Feet.	Depth to Principal Water Bed, in Feet below Surface.	Temperature of Water, Fahrenheit Degrees.	ARTESIAN.		SUB-ARTESIAN.		REFERENCE NO. TO—			
					Commencement of Work.	Completion of Work.					Continuous Daily Flow in Gallons when Uncontrolled.	Static Head above Surface of Ground, in Feet.	Depth of Water Level below Surface, in Feet.	Volume Pumped or Available Daily, in Gallons.	Contractor.	Head Driller.	Section of Strata, &c.	Chemical Analysis.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
183	Barcoora Lease	4. Overton Twin ditto	22 28 35	145 21 10	1-09	3-09	L 836	138	80	80	..	..	67	W good	6	118	..	fair
cont.	Ditto	4A. ditto	22 35 21	145 21 10	1-09	3-09	L 836	94	80	80	..	..	67	W good	6	118	..	fair
	Ditto	5. Millsvale ditto	22 39 20	145 24 10	5-09	6-09	L 900	388	140	82	..	..	25	W 26,400	6	118	..	fair
	Ditto Resumption	1. Gordon Brook, G. W. Lyde	22 35 55	145 16 30	6-12	10-12	L 900	310	300	..	..	..	20	W	37	25	..	good
184	Barenva Lease	1. Evandale, F. J. C. Archer	21 29 20	144 15 10	92	97	L 897	D1,900	b 1,700	115	55,000	..	?	W good	20	95	..	good
	Ditto	2. Windmill Hay and Little	21 37 10	144 1 30	98	12-06	L 910	D2,800	b 2,000	135	..	..	..	W	15	9	..	corros'e
	Ditto	3. Woolshed ditto	21 37 10	144 1 35	24-8-96	26-4-97	L 841	2,405	e 2,260	128	411,500	..	..	..	20	20	..	good
	Ditto	4. Sandalwood, C. S. Moore	21 29 20	144 4 25	5-97	9-98	L 884	2,400	a 1,550	122.5	45,000	..	..	..	38	..	..	good
	Ditto	4A. ditto	21 29 20	144 4 25	(aband'd)	5-97	L 884	2,000	..	..	..	..	..	..	38	..	..	good
	Ditto	5. Mingebarra, Hay and Little	21 28 45	144 8 0	11-3-07	07	L 858	D2,200	d 1,800	121	297,700	..	..	..	11	101	..	good
	Ditto	6. Lubra ditto	21 41 0	144 3 10	12-08	12-08	L 847	2,300	..	134	298,400	..	..	..	6	9	..	good
	Ditto Resumption	Banjoora A. Hay	21 40 35	144 27 30	8-11-13	14	L 918	1,418	..	..	..	..	1.3	good	75	96	..	corros'e
	Ditto	Antrim, G. E. Stuart	21 38 25	144 15 40	10-95	10-97	L 863	2,250	1,750	127.5	236,000	..	..	..	38	..	..	corros'e
185	Beeconsfield Lease	1. Brutus Creek, J. Murray	23 25 10	144 48 40	.. 95	19-10-98	L 792	? 2,151	c 2,040	? 131	161,600	..	..	..	..	..	..	good
	Ditto	2. Cattle Creek ditto	23 18 30	144 46 50	.. 95	.. 98	L 837	2,406	..	? 133	V ceased	..	..	..	..	..	..	good
	Ditto	3. Meadowland ditto	23 23 20	144 32 25	3-98	.. 98	L 720	2,375	a 1,250	133	157,500	..	..	..	..	..	..	good
	Ditto	4. Fullerton ditto	23 20 40	144 44 0	.. 10	11-98	L 804	2,320	b 2,200	139	147,000	..	..	..	..	..	..	good
	Ditto	5. Bedourie S.	23 16 45	144 35 20	.. 10	11-11	L 783	2,488	a 1,100	117.5	40,200	..	..	..	6	288	..	good
	Ditto	6. Woolshed ditto	23 20 10	144 33 40	27-7-13	24-10-13	L 692	1,243	b 1,100	117	88,500	..	..	..	6	293	..	good
	Ditto	Arundel, Mrs. McIntyre	23 23 25	144 48 50	8-12	20-4-13	L 830	2,250	b 2,100	119	44,500	..	..	..	49	100	..	good
	Ditto	Balmoral, A. F. Kent	23 15 25	144 36 35	11-12	1-13	L 707	1,385	b 1,330	119	71,900	..	..	..	84	110	..	good
	Ditto	Dundonald, E. J. Cochran	23 17 5	144 48 50	3-13	6-13	L 780	1,618	b 1,618	125	85,000	..	..	..	84	234	..	good
186	Beechal Lease	1. Duck H. Bishop and Nantes	27 20 0	144 36 30	13-5-97	11-1-98	L 787	2,647	2,600	155	899,700	261 to 277	..	..	11	29	..	155
	Ditto	2. Woolshed ditto	27 4 20	144 49 15	1-2-98	13-7-98	L 838	2,666	2,350	151	850,000	212 to 249	..	..	11	29	..	156
	Ditto Resumption	Big Creek, J. Garner	27 27 20	141 51 40	10-10	12-2-11	L 785	2,442	..	142	1,353,000	283 to 290	..	..	56	57	..	good
187	Beirbank	..	26 47 ..	145 2 ..	..	? 5-11	?	?	..	..	2,000	..	..	..	..	..	..	good
188	Bendena Lease	1. Back, Burgess and Co.	27 44 10	146 32 50	4-98	6-98	L 668	1,764	1,000	117	1,409,000	See notes	..	..	4	60	..	good
	Ditto	2. Truganinni ditto	27 49 5	146 43 0	29-4-08	9-9-08	L 661	1,861	..	113	1,486,000	See notes	..	..	4	60	..	287
	Ditto	3. Yanerman, Trust Bore	27 50 50	147 0 45	20-10-08	14-9-09	L 779	2,232	..	130	1,106,400	158 to 165	..	..	5	60	..	good
189	Biddenharn Lease	Shallow Bore, A. F. C. Rogerson	25 48 ..	146 25 ..	07	? 1-08	..	?	..	..	..	..	..	supply	..	..	..	good
190	Bimbah G. Farms	1. Rapboe, E. B. H. Jenkins	23 16 40	144 18 5	10	10-10	..	284	..	..	..	..	..	W good	6	98	..	brackish
	Ditto	2. Ichoora ditto	23 13 25	144 13 15	10	8-10	..	465	..	..	..	..	..	W good	6	98	..	fresh
	Ditto	3. Neenah Park, G. Campbell	23 19 40	144 3 35	04	9-04	..	300	..	..	..	..	..	W good	77	90	..	..
	Ditto	4. Leander, E. A. Campbell	23 17 50	144 3 40	before	4-12	..	388	..	..	..	..	..	W good	6	98	..	..
191	Bimorah Lease	1. Bothwell (?)	24 31 30	143 39 20	5-95	7-97	L 710	4,860	b 4,250	180	19,320	50 to 69	..	..	30	37	148	..
	Ditto	2. Mungerie	24 8 50	143 35 20	10-97	1-00	L 589	6,300	b 3,925	196	6,300	10	..	..	30	39	149	..
	Ditto	3. Whitewood	24 19 50	143 32 10	11-8-98	6-00	L 631	5,045	n' water	190	70,000	..	..	..	15	42	..	..
	Ditto	Shallow bore (abandoned)	..	..	07	10-07	..	258	..	..	..	..	..	..	..	..	..	..
	Ditto	ditto	..	..	12-09	2-10	..	400	..	..	..	..	..	..	..	..	..	..
	Ditto	ditto	..	..	..	4-10	?	600	..	..	..	..	..	..	..	..	..	..
	Ditto	Moondah	24 31 25	143 27 45	? 11	? 11	..	554	..	..	..	..	..	..	..	..	..	..
	Ditto Resumption	W. J. Davis	24 21 15	143 20 45	? 11	? 11	..	4-0	..	..	..	..	..	..	..	..	..	..
	Ditto	1. Meroondah Dns., E. Casey	..	not located	..	before 8-12	?	?	..	..	..	..	..	..	..	..	..	..
192	Binda Lease	1. Binda, W. B. Hamilton	27 44 0	147 15 55	11	7-11	..	1,609	c' 1,550	..	275,000	..	..	..	..	..	..	..
	Ditto	2. ditto	27 44 20	147 19 40	11	1-12	..	1,952	d' 1,942	..	550,000	..	..	..	..	..	..	293
	Bindebango Lease	1. Bindebango Ltd.	27 40 50	147 23 15	22-5-98	15-4-99	..	2,483	e 2,000	130	2,080,000	..	..	..	..	..	..	297
	Ditto	2. ditto	27 37 15	147 15 0	16-3-14	7-7-14	..	1,847	1,000,000	183

TABLE OF PRIVATE BORES—continued.

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					Commencement of Work.	Completion of Work.					Continuous Daily Flow in Gallons when Uncontrolled.	Static Head above Surface of Ground, in Feet.	Depth of Water Level below Surface, in Feet.	Volume Pumped or Available Daily, in Gallons.	Contractor.	Head Driller.	Section of Strata, &c.	Chemical Analysis.
193	Bingara Lease	1. Bingara	28° 12' 25"	144° 37' 50"	6	7	641	201	a	100.2	23,800	20 to 51.5	14	15	16	17	18	19
	Ditto	2. Tunga	28 14 20	144 37 40	..	12-08	L	213	a	84.7	10,600	0 to 7	..	..	..	..	..	..
	Ditto	3. Woonegym	28 15 20	144 44 20	..	1-2-94	L	148	a	84.7	23,800	0 to 8	..	..	..	..	..	..
	Ditto	4. Dewalia (abandoned)	28 18 0	144 43 50	..	24-2-94	L	79	a	106.7	16,750	19 to 38	..	..	56	57	275	good
194	Ditto Resumption	Tarko G.F. 3v, R. Warner	28 18 35	144 39 20	8-6-11	3-8-11	L	1,255	a	106.7	16,750	19 to 38	..	..	62	82	..	..
	Ditto	Minyeburra, T. J. Cooney	28 12 25	144 43 55	10-10	1-12	L	D 107	b	82.5	6,770	3.5 to 7.5	..	..	..	..	..	..
	Blackall District	1. Dunera, E. Banks	24 32 50	145 32 10	26-8-01	28-12-01	L	1,009	d	136	85,500	61.1	..	..	11	54	..	good
	Ditto	2. Baalong G.F. 124, E. Banks	24 40 10	145 35 15	13-1-12	3-4-14	L	1,148	d	136	473,000	61.1	..	..	37	..	215	good
195	Ditto	Woolscour Co.	24 23 40	145 29 30	21-7-06	16-2-07	L	933	g	..	1,115,000	..	..	..	..	..	..	..
	Ditto	Kurunga, F. McLaughlin	12 1/2 M.S.W.	of Blackall	Before	6-10	..	470	..	..	..	..	..	..	164	54	..	..
	Bladenburg Lease	1. Aust. Agricul. Co.	22 41 35	142 49 25	09	12-09	L	805	375	88	..	..	96	198	198	..	..	brackish
	Ditto Resumption	2. Gunbarrel, C. J. McLean	22 30 20	142 41 35	10	4-10	L	626	404	92	..	..	100	198	198	..	..	good
	Ditto	3. Aust. Agricul. Co.	22 39 50	142 32 10	10	6-10	L	626	408	90	..	..	109	198	198	..	..	good
	Ditto	4. Tranby No. 1, A. M. White	22 44 5	142 26 10	10	8-10	L	581	331	..	..	..	80	198	198	..	..	fair
	Ditto	ditto	22 42 35	142 43 35	3-15	4-15	L	553	620	..	..	..	108	198	198	..	..	brackish
	Ditto	5. Nareen, R. M. I. Halloran	22 46 35	142 38 45	10-10	15	L	636	470	88	..	..	131	198	198	..	..	fair
	Ditto	6. Aust. Agricul. Co.	22 39 20	142 27 10	11	1-11	L	563	430	80	..	..	118	198	198	..	..	good
	Ditto	7. Mitchell, Aust. Agricul. Co.	22 39 35	142 41 50	11	23-3-11	L	792	280	88	..	..	110	198	198	..	..	good
	Ditto	8. Salt Lake	22 42 25	142 43 35	(ab'd)	5-11	L	781	444	..	..	..	110	198	198	..	..	good
	Ditto	9. Aust. Agricul. Co.	22 46 30	142 58 10	(ab'd)	9-11	L	876	280	..	..	..	180	198	198	..	..	salt
196	Ditto Resumption	10. Athelstane No. 1, P. C. Whitte	22 50 20	142 59 35	11	11-11	L	868	200	82	..	..	86	198	198	..	..	good
	Ditto	10A. Athelstane No. 2 ditto	22 49 0	142 58 35	17-11-15	P	L	905	481	..	..	..	121	164	..	..	..	good
	Ditto	11. Homestead, Aust. Agricul. Co.	22 31 0	143 2 35	12	12-11	L	649	500	..	..	..	120	198	198	..	..	brackish
	Ditto	12. G.H., Mitchell	22 34 30	142 52 10	12	4-12	L	681	487	..	..	..	90	198	198	..	..	good
	Ditto	13. Aust. Agricul. Co.	22 41 5	142 39 15	12	6-12	L	805	165	87	..	..	76	198	198	..	..	good
	Ditto	14. Springs, Aust. Agricul. Co.	22 38 25	142 36 10	12	8-12	L	713	468	..	..	..	103	198	198	..	..	good
	Ditto	15. Aust. Agricul. Co.	22 37 20	142 29 35	12	10-12	L	609	424	93	..	..	125	198	198	..	..	good
	Ditto	16. ditto	22 43 35	142 58 40	12	29-11-12	L	874	331	91	..	..	89	198	198	..	..	good
	Ditto	17. ditto	22 35 50	142 44 25	13	7-13	L	784	622	84	..	..	130	198	198	..	..	good
	Ditto	18. ditto	22 42 45	142 31 0	14	6-14	L	653	502	93	..	..	150	198	198	..	..	good
	Ditto	19. ditto	22 41 35	142 43 30	6-14	7-14	L	791	246	88	..	..	83	198	198	..	..	brackish
	Ditto	20. ditto	22 38 35	143 0 20	14	10-14	L	751	610	97	..	..	121	198	198	..	..	good
	Ditto	21. ditto	22 37 45	142 50 50	15	10-15	L	770	437	86	..	..	128	198	198	..	..	good
	Ditto	22. ditto	22 45 50	143 10 35	13	..	L	836	493	..	..	..	137	198	198	..	..	good
Ditto Resumption	Wirrihi, F. C. Beauchamp	22 42 25	142 54 20	13	13	L	782	482	81	..	..	75	198	198	..	..	good	
Ditto	Mitchell Well, Aust. Agr. Co.	22 39 25	142 41 50	..	..	L	782	130	..	..	..	75	198	198	..	..	good	
Ditto	Salt Lake Well ditto	22 42 25	142 43 35	..	..	L	781	126	..	..	..	64	198	198	..	..	salt	
Ditto	Gregory Well ditto	22 47 0	142 38 0	..	..	L	795	60	..	..	..	80	198	198	..	..	fair	
Ditto Resumption	1. Colane, Philott	22 27 55	142 47 45	20-10-12	2-11-12	L	621	508	84	..	..	112	198	198	..	..	brackish	
Ditto	2. Colane ditto	22 23 30	142 36 30	30-3-14	17-4-14	L	589	269	..	..	..	402	198	198	..	..	fair	
Ditto	Colane Well ditto	22 26 15	142 42 25	..	..	L	589	200	..	..	..	100	198	198	..	..	fair	
Bloomfield Resumption	Randwick, C. Haug	24 43 0	145 25 5	7-9-13	28-11-13	..	..	890	..	..	..	50	198	198	..	..	brackish	
Ditto	1. Flemington, J. T. Ryan	24 40 10	145 23 25	8-14	11-14	..	..	760	660	..	..	70	198	198	..	..	brackish	
Ditto	ditto	24 43 25	145 22 20	8-15	12-15	..	..	850	800	..	..	13	198	198	..	..	fair	
Ditto	1. Carlo ditto	24 57 20	145 7 13	6-13	7-13	..	..	630	..	..	..	75	198	198	..	..	brackish	
Ditto	2. Carlo Homestead ditto	24 52 10	145 27 0	7-15	8-15	..	..	240	..	..	..	90	198	198	..	..	brackish	
Ditto	1. Eastwood, C. B. Gall	24 44 20	145 31 20	12-12	4-13	..	..	1,022	100	..	..	70	198	198	..	..	brackish	
Ditto	ditto	24 44 20	145 26 40	4-13	7-13	..	..	750	770	..	..	70	198	198	..	..	brackish	
Bloomfield Lease	Middle-Paddock, H. Moffatt	24 40 10	145 20 50	6-14	9-14	830	47	198	198	fresh	

TABLE OF PRIVATE BORES—continued.

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					Commencement of Work.	Completion of Work.					Continuous Daily Flow in Gallons when Uncontrolled.	Static Head above Surface of Ground, in Feet.	Depth of Water Level below Surface, in Feet.	Volume Pumped or Available Daily, in Gallons.	Contractor.	Head Driller.	Section of Strata, &c.	Chemical Analysis.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
202	Booble or Woodstock Lease	A. Panning	22° 6' 0"	141° 47' 15"	6-13	P 4-16	..	2,700	2,600	..	..	..	30	..	60	..	..	..
203	Boorara Lease	1. Bush Springs, S. Kidman	28 14 20	144 12 0	..	8-94	..	220	..	82.5	450	..	at surf.	..	..	88	..	..
	Ditto	2. Colanya ditto	28 33 10	144 39 55	..	9-96	..	196	..	85	15,000	11	..	..	..	..	..	..
	Ditto	3. Woolshed No. 1 ditto	28 33 40	144 26 25	..	9-96	465	156	..	92	5,270	9	..	..	6	..	..	..
	Ditto	4. Killowera ditto	28 34 25	143 57 0	28-4-98	12-7-98	L 504	1,474	..	128.5	682,800	189 to 213	..	..	4	..	..	..
	Ditto	5. Woolshed No. 2 ditto	28 33 30	144 26 35	8-98	98	L 482	800	..	96	7,820	..	..	..	4	..	..	..
	Ditto	6. Tunka or Myrton ditto	28 12 45	144 17 25	..	00	L 463	291	..	8.7	2,410	14	..	..	..	..	..	..
	Chirrawinya Lease	1. Taboroo, Fowler, Castairs	28 52 5	144 11 5	..	12-84	L 509	280	..	93	32,500	..	..	..	..	..	..	..
	Ditto	2. Fofewka [and Mandeville]	28 53 20	143 57 0	(abt'd) '95	95	410	200	..	..	..	..	..	..	..	..	..	..
	Ditto	Koonka Well ditto	28 50 25	143 54 45	98	99	..	42	..	..	..	..	..	..	..	..	..	..
	Ditto	Perry's ditto	28 53 10	143 59 10	98	99	..	50	..	..	..	..	..	..	..	..	..	..
	Ditto	Gunn's ditto	28 55 10	143 54 30	99	00	..	72	..	..	..	..	..	..	..	..	..	..
	Ditto	Wongarella Well ditto	28 50 35	144 5 25	95	95	..	54	..	..	..	..	..	..	..	..	..	..
	Ditto	Boko Well ditto	28 50 35	144 5 25	93	93	..	200	..	..	..	..	..	..	..	..	..	..
	Ditto	Bokeon Well ditto	..	..	before	93	L 411	30	..	69	..	..	6	..	..	..	..	..
204	Boothilla Lease	Station, A. Wienholt Bros and Sons	26 20 40	145 12 30	1-10-11	8-7-13	L 954	3,201	3,200	146	464,400	..	..	..	5	116	..	corros'e
205	Boyen Downs Lease	1. Kanaka, Scot. Aust. Inv. Co.	22 40 20	145 5 0	12-90	1-91	L 763	970	940	99	145,600	over 23	..	..	30	..	150	V
	Ditto	2. Grange ditto	22 34 15	145 4 30	8-91	6-91	L 756	1,370	1,171	104	500,000	75 to 88	..	..	30	..	151	W
	Ditto	3. Lan's End ditto	22 30 50	145 12 10	8-91	7-91	L 813	1,112	660	94	..	..	10	..	30	..	152	X
	Ditto Resumption	4. Highbury, R. Molineux	22 46 20	144 54 25	8-91	11-94	L 886	2,308	2,250	over 106	..	..	38	..	30	..	153	Y
	Ditto	4A. ditto	22 40 50	144 53 45	7-14	31-10-14	2,010	2,010	2,000	..	..	..	60	..	87	..	..	..
	Ditto Lease	5. Jabiru, Scot. Aus. Invest Co.	22 15 10	144 53 10	12-92	2-94	L 838	2,402	1,650	? 101	..	..	at surf.	..	30	..	155	good
	Ditto	6. Janesland ditto	22 37 20	144 55 35	12-95	6-96	L 838	2,005	1,900	? 124	..	..	..	..	20	..	..	..
	Ditto	7. See Mount Cornish No. 3.
	Ditto Resumption	8. See Acacia Downs (below).
	Ditto Lease	9. Ellendale, W. E. Werman	22 37 10	145 12 50	11-05	8-06	L 847	1,572	750	? 119	319,500	..	45	..	20	..	..	good
	Ditto	10. Yan Yean, Scot. Aus. I. Co.	22 33 20	144 54 35	13-4-07	8-9-07	L 795	1,967	..	114	253,000	7 to 9	..	..	20	..	..	good
	Ditto	11. Palestine ditto	22 37 0	144 59 35	7-08	11-08	L 795	1,846	..	..	..	..	..	..	20	..	..	good
	Ditto	12. No. 22 Paddock ditto	22 15 50	145 1 15	2-09	4-09	L 775	1,425	..	109	727,100	..	..	..	20	17	..	384
	Ditto	13. Spring Dns. East ditto	22 25 10	145 20 50	'24-6-09	4-8-09	L 804	841	..	84	102,000	..	..	..	20	..	..	good
	Ditto	14. Taberna East ditto	22 19 45	145 21 40	4-9-09	21-9-09	L 793	581	..	84	117,000	..	..	..	20	..	..	good
	Ditto	15. Taberna West ditto	22 25 0	145 17 50	1-5-10	11-6-10	L 776	509	..	84	595,000	14 to 18	..	..	113	35	..	good
	Ditto Resumption	16. Rankin, S. H. Fraser	22 39 0	145 10 20	11-09	9-3-10	L 813	1,174	? 970	99	..	..	8	..	20	170	..	good
206	Bowen Downs Resumption	Avlemoor, J. Munro	22 45 50	144 47 0	24-7-07	22-11-07	L 751	2,560	..	137	359,000	..	..	..	85	26	..	corros.
	Ditto	1. Tusabura, E. G. Farnell	22 50 25	144 53 50	3-05	8-05	L 821	2,455	..	136	11,000	..	..	..	20	104	..	good
	Ditto	2. ditto ditto	22 49 15	144 53 40	16-9-11	21-7-13	L 784	3,001	3,300	135	440,000	..	..	..	113	35	..	good
	Ditto	Wilton, A. J. Tait	22 41 50	144 51 0	2-10	2-12	L 836	3,250	..	132	45,000	..	..	..	113	109	..	good
	Ditto	Scotstown, C. G. Buchanan	22 46 18	144 58 0	7-7-10	21-6-11	L 808	2,185	b 2,117	101	..	..	3.2	..	20	35	..	good
	Ditto	Acacia Dns. A. N. Templeton	22 49 30	144 43 55	15-2-97	28-5-08	L 791	1,820	c 2,757	140	310,000	..	..	..	20	109	..	good
	Ditto	Crossmoor, Rodger Bros.	22 43 50	144 34 50	06	11-06	L 756	2,657	..	148	369,100	..	..	..	20	109	..	good
207	Breadalbane (Group)	A. Three Sisters, J. Collins & Sons	23 42 ..	139 15 30	..	25-3-83	..	678	1,208
	Ditto	B. Lobb's or Yard ditto	23 46 ..	139 23 30	..	5-91	..	420	300
	Ditto	C. (abandoned) ditto	23 47 ..	139 32 30	250	dry
	Ditto	D. (abandoned) ditto	23 51 30	139 36 30	300	dry
	Ditto	1. (abandoned) ditto	23 58 0	139 28 20	7-12	4-14	..	1,026	728	..	275,000	10	73	salt
	Ditto	2. Virginia No. 2 ditto	23 55 15	139 16 35	13-6-14	16-7-14	..	774	10	73
	Ditto	3. ditto ditto	23 50 20	139 10 40
	Ditto	4. Virginia No. 6 ditto	23 43 25	139 7 35	26-8-15	20-9-15	..	430	365	10	73

TABLE OF PRIVATE BORES—continued.

Reference No.	Locality, Lease, Parish, Town, or District.	Local Name of Bore and Name of Owner. (For additional Data, if any, refer to Notes at the end of this Table.)	Latitude South.	Longitude East.	DATES.		Surface of Ground above Mean Sea Level, in Feet.	Total Depth of Bore, in Feet.	Depth to Principal Water Bed, below Surface.	Temperature of Water, Fahrenheit Degrees.	ARTESIAN.		SUR-ARTESIAN.		REFERENCE NO. TO—			
					Commencement of Work.	Completion of Work.					Continuous Daily Flow in Gallons when Uncontrolled.	Static Head above Surface of Ground, in Feet.	Depth of Water Level below Surface, in Feet.	Volume Pumped or Available Daily, in Gallons.	Contractor.	Head Driller.	Section of Bore, &c.	Chemical Analysis.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
214	Burenda Lease	6. Burenda Pastoral Co.	25° 47' 20"	146° 39' 40"	..	..	..	441	..	..	..	..	..	..	..	..	..	331
contd.	Ditto	7. ditto	25 57 10	146 44 5	..	..	794	..	..	..	..	..	..	..	..	..	..	292, 323, 354, 321
	Ditto	8. ditto	..	..	..	..	139	..	..	..	..	..	..	..	..	..	..	..
	Ditto	9. Plevna ditto	..	..	..	..	758	..	..	..	..	..	..	..	..	..	..	..
	Ditto	10. ditto	close to No.	10A. ..	..	..	500	..	..	..	..	..	..	..	..	..	..	..
	Ditto	10A. ditto	25 46 45	146 48 0	..	..	1,339	..	..	..	..	..	..	..	..	..	..	..
	Ditto	11. ditto	25 55 20	146 45 30	..	..	722	..	..	..	..	..	..	..	..	..	..	..
	Ditto	12. ditto	25 44 30	146 52 0	..	..	883	..	..	..	..	..	..	..	..	..	..	..
	Ditto	13. ditto	25 45 0	146 56 0	..	..	364	..	..	..	..	..	..	..	..	..	..	..
	Ditto	14. ditto	25 47 30	146 56 30	..	..	351	..	..	..	..	..	..	..	..	..	..	..
	Ditto	14. ditto	25 47 30	146 56 30	..	..	337	..	..	..	..	..	..	..	..	..	..	..
	Ditto	Rothsay, McKellar Bros.	25 54 10	146 39 30	..	..	170	..	..	..	..	..	..	..	..	..	..	..
	Ditto	1. Wallace's ditto	27 47 10	147 1 0	..	..	L 1,668	..	..	..	..	..	..	..	..	..	..	..
	Ditto	1A. ditto	25 48 15	147 1 0	..	..	L 1,697	..	(about d)	..	..	..	..	..	..	..	..	..
	Ditto	1. Gundare, L. C. McLean ditto	26 1 ..	146 38 ..	before	7-15	..	..	..	..	..	..	..	..	..	..	..	..
	Ditto	2. ditto ditto	26 1 ..	146 38 ..	before	7-15	..	..	..	..	..	..	..	..	..	..	..	..
	Ditto	3. ditto ditto	26 1 ..	146 38 ..	before	7-15	..	..	..	..	..	..	..	..	..	..	..	..
	Ditto	4. ditto ditto	26 1 ..	146 38 ..	before	7-15	..	..	..	..	..	..	..	..	..	..	..	..
	Ditto	1. Surrey, Ramsay Bros. Ltd. (abandoned)	20 17 30	143 11 50	94	?	L 904	D 904	..	87	ceased	..	?	large	..	..	..	..
	Ditto	2. ditto ditto	20 17 50	143 8 15	95	01	D 900	D 900	..	..	ceased	..	?	..	..	..	..	..
	Ditto	3. ditto ditto	20 14 30	143 7 25	before	98	..	837	..	..	ceased	..	?	..	..	..	..	..
	Ditto	4. ditto ditto	20 9 35	143 5 35	..	10-00	L 907	917	..	..	ceased	..	?	large	..	..	..	..
	Ditto	5. Hazlewood Ck. ditto	20 19 30	143 15 40	..	..	..	917	..	..	ceased	..	?	..	..	..	..	..
	Ditto	6. Pandanus Ck. ditto	20 13 40	143 12 50	?	2-01	..	771	..	..	ceased	..	?	large	..	..	..	..
	Ditto	7. Patience Creek ditto	20 4 30	143 10 20	01	10-01	..	517	..	..	..	..	?	? P good	..	..	..	..
	Ditto	8. Woolgar River ditto	..	..	02	11-02	..	600	..	..	..	..	?	..	..	..	..	..
	Ditto	9. ditto ditto	..	..	..	..	..	800	..	..	..	..	?	..	..	..	..	..
	Ditto	10. ditto ditto	..	..	..	..	..	800	..	..	..	..	?	..	..	..	..	..
	Ditto	11. ditto ditto	20 17 50	143 8 15	09	11-00	L 866	? 900	..	..	..	..	?	..	6	90	..	..
	Ditto	12. ditto ditto	20 18 50	143 2 40	..	2-10	L 820	? 900	..	?	365,000	..	?	..	6	90	..	..
	Ditto	13. ditto ditto	20 19 20	143 15 50	..	7-11	L 906	1,300	..	..	..	..	?	..	68	..	..	..
	Ditto	14. ditto ditto	..	..	..	..	..	800	..	..	..	..	?	..	..	..	..	..
	Ditto	15. ditto ditto	..	..	..	..	..	800	..	..	..	..	?	..	..	..	..	..
	Ditto	16. ditto ditto	..	..	..	..	..	800	..	..	..	..	?	..	..	..	..	..
	Burleigh Resumption	1. Bylong, W. H. Carter ditto	20 15 15	142 53 0	6-2-01	1-3-01	L 793	870	620	..	ceased	(about d)	..	..	..	..	..	..
	Ditto	2. ditto ditto	20 11 20	142 51 0	7-12-09	26-3-10	L 778	564	d 1,000	99	110,000	..	..	..	117	157	..	..
	Ditto	3. ditto ditto	20 15 15	142 53 0	20-3-11	12-15-11	L 793	1,011	c 1,000	99	102,000	..	..	..	91	51	..	..
	Ditto	4. ditto E. Carter ditto	20 14 55	142 50 30	7-7-14	31-7-14	..	868	d 858	..	..	..	..	115,000	91	205	..	..
	Ditto	5. ditto ditto	20 18 0	142 54 5	6-9-15	23-9-15	L 746	787	d 780	89	400,000	..	..	..	..	?	..	..
	Ditto	1. Oxford Downs (abandoned)	20 20 30	142 52 35	01	01	L 746	? 953	d 953	101.5	trickle	..	..	..	..	..	..	..
	Ditto	2. ditto N. C. Bucknell ditto	20 20 30	142 52 36	10	10	L 746	? 950	d 950	..	371,700	..	..	..	..	..	..	..
	Burrnilla or Cunnamulla	1. Station, Burrnilla Ltd. ditto	28 14 0	145 52 40	3-9-92	3-9-92	L 588	1,811	..	119.2	V ? 1,206,000	201 to 226	..	..	4	74	..	..
	Ditto	2. Woolshed ditto	28 8 50	145 43 0	8-98	8-98	L 606	1,905	..	112	C 1,010,000	213 to 227	..	..	4	74	..	..
	Ditto	3. North-east ditto	28 9 40	145 51 35	26-9-02	31-12-02	L 604	1,837	..	120	V 1,305,000	217 to 233	..	..	4	4	..	..
	Ditto	1. Clover Downs H. E. Russell ditto	28 19 30	146 6 30	9-05	15-1-06	L 559	1,779	..	116.7	V 1,155,500	241 to 297	..	..	4	4	..	..
	Ditto	2. ditto ditto	28 20 0	145 59 0	10-9-14	2-1-15	L 559	1,916	e ..	..	V 1,371,500	..	..	..	5	6	..	..
	Burrnilla Lease	1. Saltbush, A. B. Nagel ditto	26 19 45	145 45 25	07	07	L 988	? 1,950	d 2,482	124	V 162,000	..	..	..	4	56	..	..
	Ditto	2. ditto ditto	26 18 20	145 42 50	15-12-14	15-12-14	L 1,086	2,628	d 2,482	137	V 540,000	4	214

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TABLE OF PRIVATE BORES—continued.

Reference No.	Locality, Lease, Parish, Town or District.	Local Name of Bore and Name of Owner. (For additional Data, if any, refer to Notes at the end of this Table.)	Latitude South.	Longitude East.	DATES.		Surface of Ground above Mean Sea Level, in Feet.	Total Depth of Bore, in Feet.	Depth to Principal Water Bed, Feet, below Surface.	Temperature of Water, Fahrenheit Degrees.	ARTESIAN.		SUB-ARTESIAN.		REFERENCE NO. TO—				
					Commencement of Work.	Completion of Work.					Continuous Flow in Gallons when Uncontrolled.	Static Head above Surface of Ground, in Feet.	Depth of Water Level below Surface, in Feet.	Volume Pumped or Available Daily, in Gallons.	Contractor.	Head Driller.	Section of Strata, &c.	Chemical Analysis.	
219	Byramine Lease	1. (above), Burdell, Meat	20° 13' 50"	140° 56' 50"	6	7	350	1,400	10	11	12	13	14	15	16	17	18	19	
	Ditto	2. Bowers, [Preserving Co.]	20 1 30	140 51 0	7-98	9-01	L 7 354	1,345	..	..	ceased	..	..	W 30,000	38	92	..	..
	Ditto	3. Khebusch ditto	20 0 30	140 51 50	11-02	5-02	L 1 335	1,300	..	134	182,500	..	..	..	38	..	..	..
	Ditto	4. Rosie ditto	20 16 55	140 55 35	..	10-10-03	L 4 412	1,330	..	124	1,750	..	..	..	38	..	..	..
	Ditto	5. (above) ditto	20 13 23	140 57 0	..	21-1-04	L 1 550	1,550	..	119	5,600	..	..	..	38	..	..	..
	Ditto	6. Smith Creek ditto	20 9 50	140 59 45	..	03	L 3 45	1,400	..	..	..	..	..	..	..	..	..	..
220	Calwara Lease	1. Byalung Belalie Past. Co.	28 55 25	144 51 10	..	6-91	L 4 40	1,872	c 700	99	6,020	12.5 to 88.2	..	..	..	..	..	48	
	Ditto	2. Gullford or Farm ditto	28 36 20	144 55 40	10-6-08	7-91	L 4 85	768	..	99.7	153,200	21.5 to 42	..	..	61	80	..	49	
	Ditto	3. .. ditto	28 42 20	144 56 40	..	23-12-09	L 4 80	780	..	85.5	1,500	..	..	..	..	..	..	brackish	
	Ditto	Togwaro Well ditto	28 48 50	144 34 0	before	97	L 4 70	50	..	..	..	..	nr. surf.	..	..	..	..	bad salt	
	Ditto	Scrub Yards Well ditto	28 52 20	144 52 10	(above)	24-9-10	L 4 60	50	..	..	..	..	19	..	..	..	..	good	
	Ditto	New Well ditto	28 41 0	144 52 25	before	21-3-13	L 5 20	1,400	..	104	67,900	139 to 238	..	..	56	57	..	good	
	Ditto Resumption	Mooning, T. C. Elliott ..	28 25 45	144 57 40	..	..	L 5 20	1,400	..	..	..	..	..	..	..	..	..	good	
221	Caithness G. F. 170	1. Wick, Armytage ..	21 7 25	144 7 0	4-98	11-98	L 9 76	2,250	c ?	117.5	44,700	about 2	..	..	..	..	..	..	good
	Ditto Por. 40	2. Watten, H. A. Armytage	21 0 50	144 7 50	7-1-99	6-01	L 9 74	2,305	..	118.5	125,000	..	..	..	..	..	..	..	..
	Ditto G. F. 163	3. Reay, L. C. Armytage	21 4 0	144 10 40	12-00	12-01	L 9 74	2,340	..	117	150,000	..	..	..	6	94	..	..	..
	Ditto G. F. 164	4. Camechy, A. E. Armytage	21 8 40	144 11 25	12-11-08	20-10-09	L 9 85	2,840	c	123	129,000	over 25	..	..	6	134	..	..	..
	Ditto G. F. 170	5. Big Wick, Armytage ..	21 13 45	144 7 0	10-16	4-17	L 9 85	1,265	..	..	..	..	..	..	75	134	..	..	..
222	Caledonia Lease	1. Peters, J. Cameron and Co.	22 1 40	145 6 20	8-92	21-4-93	L 8 37	765	b	98 1/2	22,000	..	..	..	6	10	..	..	good
	Ditto	2A. (above) ditto	22 7 0	145 3 35	26-4-93	20-5-93	L 8 37	454	a	101	185,000	..	..	..	6	11	..	..	good
	Ditto	2B. Woolshed ditto	22 7 0	145 3 35	6-96	12-98	L 8 37	964	a	101	185,000	..	..	..	6	11	..	..	good
	Ditto	3. Lothians ditto	21 58 45	145 2 0	99	99	L 8 37	1,540	..	..	..	..	..	..	20	35	..	..	good
	Ditto	4. Clayton, J. G. Newton	21 53 25	145 2 25	..	00	L 9 09	1,120	..	93	..	..	..	..	20	35	..	..	good
	Ditto	5. Talisker, J. Cameron and Co.	21 54 50	145 7 30	..	01	L 8 53	1,200	..	100	270,000	..	..	..	20	35	..	..	good
	Ditto	6. ditto	21 57 40	145 1 10	1-10-14	3-4-15	L 8 53	1,050	..	100	250,000	..	..	..	172	247	..	..	good
223	Cambridge Downs Lease	1. Redan, Law Debuture Co.	20 34 30	143 6 10	9-4-92	30-4-92	L 7 36	542	a	99	314,500	? 127	..	..	13	..	..	..	good
	Ditto	2. Bluebush South ditto	20 25 10	143 13 0	16-5-92	5-92	L 7 36	367	a	93	590,000	..	..	..	..	..	..	..	corros.
	Ditto	3. Woolshed ditto	20 26 35	142 56 50	30-3-92	?	L 7 36	800	D	102	424,000	..	..	..	39	..	..	..	cor. 271
	Ditto	4. Ram Creek ditto	20 29 5	143 2 0	5-92	8-92	L 7 36	597	b	97	small	..	..	..	..	..	..	..	good
	Ditto	5. Fig-tree ditto	20 24 20	143 0 50	5-92	7-92	L 7 36	540	a	97	small	..	..	..	..	..	..	..	good
	Ditto	6. Boree ditto	20 27 5	143 9 35	1-93	3-93	L 8 10	599	a	95	small	..	..	..	..	..	..	..	corros.
	Ditto	7. Flagstone (resumed) ditto	20 24 20	142 44 30	8-92	10-92	L 8 10	841	a	102.5	297,700	74 to 81	..	..	?	12	..	..	109
	Ditto	8. Cudgee, Law Debuture Co.	20 26 0	142 39 40	10-92	11-92	L 8 10	849	a	101 1/2	22,800	2.5 to 13	..	..	?	12	..	..	good
	Ditto	9. Swamp ditto	20 27 45	142 49 25	11-92	1-93	L 8 10	682	a	102	137,600	23.3 to 24.4	..	..	?	12	..	..	good
	Ditto	10. Bluebush North ditto	20 23 10	143 12 50	24-11-98	2-12-98	L 8 10	618	a	89.5	850,000	..	..	..	..	..	..	..	corros.
	Ditto	11. Dalzell ditto	20 23 30	143 7 35	12-1-99	11-2-99	L 8 10	664	..	97.5	720,000	..	..	..	..	..	..	..	corros.
	Ditto	12. Bluff ditto	20 22 35	142 57 50	99	99	L 8 10	600	..	101	good flow	..	..	..	..	..	..	..	corros.
	Ditto	13. Lily ditto	20 31 35	142 52 25	99	6-99	L 8 10	650	..	104	218,000	..	..	..	..	..	..	..	good
	Ditto	14. Eight-mile Ck. ditto	20 36 5	142 52 10	12-99	?	L 8 10	600	..	108	410,700	..	..	..	..	..	..	..	corros.
	Ditto	15. Cecil No. 1 ditto	20 22 35	143 2 0	(above)	4-12	L 8 10	1,287	..	..	..	..	..	..	72	146	..	..	corros.
	Ditto	16. Cecil No. 2 ditto	20 23 30	143 2 50	12	12	L 8 10	704	..	98	535,400	74 to 82	..	..	119	146	..	..	corros.
	Ditto	17. Yan Yean ditto	20 32 0	142 58 50	12	12	L 8 10	1,207	..	106	701,800	..	..	..	119	146	..	..	corros.
	Ditto	18. Lower Boree ditto	20 27 10	143 7 5	9-12	9-12	..	882	..	96.5	1,045,000	..	..	..	119	146	..	..	good
	Ditto	19. Whim Pad'k. ditto	20 21 45	142 58 0	14	14	..	721	..	..	125,500	..	..	..	72	237	..	..	..
	Ditto	20. Bluff ditto	20 21 45	142 58 0	23-6-15	9-8-15	..	1,210	607,200	150	197
	Ditto	21. Bald Hills ditto	20 22 25	143 6 25	22-10-15	12-3-16	..	1,061	a	..	59,060

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					Commencement of Work.	Completion of Work.					Continuous Daily Flow in Gallons when Uncontrolled.	Static Head above Surface of Ground, in Feet.	Depth of Water Level below Surface, in Feet.	Volume Pumped or Available Daily, in Gallons.	Contractor.	Head Driller.	Section of Strata, &c.	Chemical Analysis.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
229	Canobie Lease	1. Wurung, N.Z. and Aust. Land Co.†	19° 17' 30"	140° 17' 25"	7-14	12-14	L 272	467	1,870	90	ceased	..	at surf.	W 30,000	11	207	..	fair	
cont'd.	Ditto	2. ditto	19° 27' 10"	140° 33' 10"	7 2-15	15-10-16	L 333	2,597	d	..	..	..	25.5	W 38,400	11	135	..	..
	Ditto	3. ditto	19° 14' 10"	140° 58' 10"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Ditto	4. ditto	19° 13' 20"	140° 23' 20"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Sprathead Lease	Hillside Well	19° 22' 50"	140° 18' 35"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Ditto	Camel Creek Well	19° 23' 30"	140° 12' 50"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
230	Carandotta Lease	St. Ronar's Head Station	21° 35' ..	139° 5' ..	? 2-94	? 11-09	..	1,006	..	..	..	..	? 320	P 10,000	..	..	..	..	..
231	Cashmere Resumption	Weallah, W. Gunn	27° 38' 55"	148° 22' 0"	27-11-08	8-09	L 774	2,729	a	129	V 753,200	217 to 235	..	..	105	..	..	..	..
	Cashmere Lease	New bore, C. R. Wipfel	27° 49' 30"	148° 30' 50"	6-5-08	16-4-09	L 713	2,860	c	123	V 753,200	152 to 178.5	..	..	58	..	..	..	..
	Cashmere West Lease	..	27° 44' 25"	148° 15' 15"	14-3-13	11-11-13	L 775	2,796	c	128	V 1,079,950	229 to 288	..	..	105	..	..	..	..
232	Cassilis Lease	1. Mabel Creek, G. D. Logan	21° 17' 35"	143° 10' 20"	95	10-95	L 807	2,325	..	124	? 20,800	..	2.7	..	38	252	..	..	..
	Ditto	2. Cassilis East	21° 16' 0"	143° 1' 0"	6-97	5-98	L 775	2,700	..	120	? 723,400	..	65	W large	38	252	..	..	..
	Ditto	3. Coleraine Ck.	21° 12' 45"	143° 13' 35"	6-98	12-99	L 880	2,550	..	..	..	..	at surf.	..	38	252	..	..	..
	Ditto	4. ditto	21° 10' 15"	143° 11' 30"	11-16	14-2-17	L 862	1,642	a	..	..	..	..	..	161	228	..	..	..
	Ditto Resumption	Glenyon, J. L. Brown and Co.	21° 21' 15"	142° 55' 45"	1-9-00	7-01	L 768	2,967	..	142	? 330,000	..	..	..	..	..	..	..	..
233	Champion Blocks, Group	1. Scot. Aust. Invest. Co.	24° 9' 45"	145° 54' 35"	..	02	L 1,233	570	..	..	6,000	..	..	..	6	234	..	..	..
	Ditto	2. ditto	24° 20' 40"	145° 50' 50"	..	03	L 1,204	812	..	..	157,600	..	..	..	6	233	..	..	..
	Ditto	3. ditto	24° 16' 30"	145° 56' 0"	..	03	L 1,275	1,130	..	..	..	..	..	..	6	263	..	..	..
	Ditto	1. Henly Park, J. Adams	24° 6' 35"	145° 55' 15"	20-6-11	15-7-11	L 1,321	625	b	258	..	..	13.5	W 40,000	6	244	..	..	..
	Ditto	2. ditto	24° 6' 50"	145° 59' 10"	3-10-14	P	..	536	..	..	..	..	? 48	..	6	233	..	..	..
	Ditto	1. East Lynne, Jane Adams	24° 18' 25"	145° 51' 5"	11	11	..	912	a	522	..	..	..	..	6	244	..	..	..
	Ditto	2. ditto	24° 20' 40"	145° 50' 50"	7-11-13	30-5-14	..	1,050	b	1,925	? 50,000	..	18	W 170,000	6	234	..	..	..
	Birthead Resumption	Kingloe, F. A. Adams, junr.	24° 16' 30"	145° 56' 0"	19-4-15	23-5-15	..	550	..	385	..	..	..	..	6	233	..	..	..
	Ditto	1. G.F. 2v. H. J. Carter	24° 3' 20"	145° 59' 20"	2-10	5-10	L 1,368	624	..	216	..	..	..	..	6	263	..	..	..
	Ditto	2. ditto	24° 3' 55"	145° 59' 30"	4-11	5-11	L 1,332	300	..	68	..	..	..	..	6	244	..	..	..
234	Champion Parish	1. G.F. 781, Alice Peut	24° 9' 40"	146° 4' 10"	1-10-13	19-10-13	L 1,237	258	..	..	..	..	228	? 20,000	100	137	..	..	..
	Ditto	2. ditto	24° 3' 50"	146° 2' 30"	24-10-13	9-11-13	L 1,204	251	..	..	..	..	212	? 20,000	100	137	..	..	..
	Ditto	3. ditto	24° 7' 50"	146° 2' 35"	16-11-13	2-12-13	L 1,275	283	..	..	..	..	215	? 20,000	100	137	..	..	..
	Ditto	Mary Vale Spr., W. M. Crawford	24° 3' 20"	145° 51' 45"	13	13	..	399	b	370	..	..	30	W 20,000	184	54	..	..	..
	Ditto	1. Anthony, R. McKnight and	24° 3' 20"	145° 51' 45"	..	..	..	400	b	300	..	..	..	..	163	232	..	..	..
	Ditto	2. ditto	24° 3' 20"	145° 51' 45"	28-3-16	12-4-16	..	400	b	300	..	..	..	..	163	232	..	..	..
	Charleville District	Charleville, Meat Works	26° 24' 50"	146° 18' 50"	10-97	2-98	L 1,028	1,630	..	104	V? 855,000	48 to 79	..	..	2	..	..	..	..
	Ditto	Walla, C. H. Buchanan	26° 32' 30"	146° 14' 40"	..	07	L 961	1,800	..	150	V 755,000	89	..	..	4	..	..	..	..
	Ditto	Myndetta, C. Francis	26° 32' 25"	146° 3' 0"	11-07	5-08	L 980	1,885	a	107.5	V 755,000	..	..	..	4	..	..	..	..
	Ditto	1. G.F. 2v. H. J. Carter	26° 26' ..	146° 0' ..	09	11-09	..	? 320	..	116	..	..	..	..	4	56	..	..	..
	Ditto	2. ditto	26° 26' ..	146° 0' ..	..	1-10	..	440	..	..	..	..	..	..	4	56	..	..	..
	Ditto	Wardilla, H. J. Carter	26° 24' 40"	146° 9' 25"	13-5-14	24-8-14	..	1,488	..	..	86,000	14 to 15	..	..	111	147	..	..	..
	Ditto	Mohonga	26° ..	146° ..	10	2-11	..	1,890	..	..	130,000	..	..	..	..	..	..	..	..
	Ditto	Koreelah	26° ..	146° ..	6-09	P	..	400	..	..	..	..	..	..	5	92	..	..	..
	Ditto	1. Well Hill, A. E. Mackenzie	26° 18' 50"	146° 16' 55"	7-10-13	10-11-13	..	184	..	..	..	..	120	20,000	92	121	..	..	..
	Ditto	2. ditto	26° 18' 50"	146° 14' 50"	11-11-13	26-11-13	..	160	..	..	..	..	136	20,000	92	121	..	..	..
235	Charlotte Plains Lease	1. Adgingbong, McDonald Bros.	28° 3' 50"	146° 0' 35"	..	? 4-91	L 628	D1,910	..	116.5	980,000	..	..	..	2	57	..	..	..
	Ditto (Cunnamulla)	2. Turnworth	27° 59' 25"	146° 8' 45"	..	12-92	L 616	1,842	..	116.2	1,085,000	..	..	..	55	..	..	..	..
236	Charlotte Plains Lease	1. Walkage, E. King (resumed)	20° 34' 35"	143° 40' 25"	..	94	L 1,021	1,220	b?	1,003	dribble	..	58.2	W. 7,500	70	92	..	..	..
	Ditto (Richmond)	2. Deep Water (old), Bamesy Bros.	20° 28' 5"	143° 38' 5"	..	94	L 957	D 900	a	620	..	..	41.2	S 150,000	70	92	..	..	..
	Ditto	3. Camoola Creek	20° 26' 45"	143° 41' 50"	..	94	L 1,044	2,005	a	900	..	..	..	..	70	92	..	..	..
	Ditto Resumption	4. Yellow Wood, H. E. King	20° 30' 35"	143° 39' 20"	? 94	7-96	L 1,956	D1,000	b	900	? 275,000	..	..	..	70	92	..	..	..

TABLE OF PRIVATE BORES—continued.

Referenc No.	Locality, Lease, Parish, Town, or District.	Local Name of Bore and Name of Owner. (For additional Data, if any, refer to Notes at the end of this Table.)	Latitude. South.	Longitude East.	DATES.		Surface of Ground above Mean Sea Level, in Feet.	'Total Depth of Bore, in Feet.	Depth to Principal Water Belt, Feet, below Surface.	Tem- perature of Water, Fahren- heit Degrees.	Con- tinuous Daily Flow in Gallons when Uncontrolled.	ARTESIAN.		SUB-ARTESIAN.	REFERENCE NO. TO—				
					Commence- ment of Work.	Com- ple- tion of Work.						Static Head above Surface of Ground, in Feet.	Depth of Water Level below Surface, in Feet.		Volume Pumped or Available Daily, in Gallons.	Contractor.	Head Driller.	Section of Bore, &c.	Chemical Analysis.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
257	Cooreena Leases	5. Elton East, Cooreena Past. Co. +	23° 24' 15"	145° 30' 45"	9-92	05	L 909	D 780	? 500	89	128,000	..	35.5	W large	20	..	..	..
contd.	Ditto	6. Emu Hills ditto	23 13 0	145 31 50	88	4-83	L 918	660	..	96	..	..	..	..	20	..	..	..
	Ditto	6A. See Murrabit No. 1	23 17 30	145 31 25	10-97	2-98	L 910	809	c 681	..	ceased	..	6	W large	20	..	278	317	
	Ditto	7. Elton ditto	23 15 10	145 41 0	9-98	2-98	L 980	502	c 450	..	..	..	68	W large	20	..	..	..
	Ditto	8. Emu Hills East ditto	23 26 0	145 41 0	2-7-98	10-99	L 1,202	570	a 250	..	..	..	228	W large	20	..	..	..
	Ditto	9. Daigi, No. 5A (ab'd)	23 20 55	145 30 25	? 2-04	3-04	L 896	756	c 700	91	83,000	15 to ?	..	..	20	..	..	..
	Ditto	10. Elton ditto	23 22 5	145 18 55	10-04	05	L 851	2,106	c 1,007	113	85,000	..	..	..	20	..	..	..
	Ditto	11. Newark ditto	23 24 20	145 23 45	06	7-5-06	L 871	1,108	c 1,007	99	142,000	..	..	..	6	..	279	..
	Ditto	12. Curlew ditto	23 12 5	145 20 30	7-06	8-06	L 782	935	d 935	95	359,000	46 to 50.4	..	..	6	..	280	..
	Ditto	14. Woolshed ditto	23 15 30	145 30 15	8-06	8-06	L 884	525	b 470	88	11,400	8 to ?	..	W large	6	..	..	..
	Ditto	15. Emu Hills or Tin ditto	23 23 20	145 29 50	9-06	9-06	L 894	778	d 700	91	212,800	..	..	..	6	..	..	..
	Ditto	16. Elton ditto	23 17 40	145 25 50	10-06	10-06	L 813	577	d 520	92	686,000	about 60	..	..	6	..	281	..
	Ditto	17. The Sandhills ditto	23 17 30	145 30 10	2-07	2-07	L 873	502	b? 400	89	388,000	16 to 19.6	..	..	6	..	..	..
	Ditto	18. Emu Hills East ditto	23 12 40	145 27 15	3-07	3-07	L 853	502	b? 425	89	172,800	..	..	..	6	..	..	..
	Ditto	19. Cooreena .. ditto	23 12 40	145 36 45	4-07	5-07	L 1,118	344	..	82	..	..	198	W	68	..	..	..
	Ditto	20. Highlands, No. 3 ditto	23 17 15	145 19 20	9-06	10-06	L 840	1,086	c 1,086	99	235,000	38 to ?	..	..	6	..	282	..
	Ditto	21. Watson's ditto	23 16 50	145 24 0	24-2-10	17-8-12	L 796	980	c 256	85	106,200	38.3	..	..	126	..	..	..
	Ditto	22. Cooreena Past. Co. ditto	23 24 25	145 35 15	28-3-12	31-10-12	L 1,110	696	515	86	..	..	175	W	126	..	..	..
	Ditto	23. ditto .. ditto	23 17 55	145 34 25	27-8-12	31-10-12	L 1,091	438	290	88	..	..	175	S.W	126	..	..	..
258	Corrella	Selection, A. A. Moffat	near Winton	..	before	9-09	S	9,000
	Ditto	ditto ..	near Winton	3-12	S	10,000
259	Corinda, Vanda, and Alban	1. Thom's, Goldbrough, & Co.	22 8 0	145 17 5	28-3-88	2-2-89	770	334	c 307	85	85,300	59	..	..	6	..	160	..
	Ditto	2. Five Corners	22 11 50	145 18 0	15-2-89	16-2-89	780	362	c 318	86	30,000	24	..	..	6	..	161	..
	Ditto	3. Cow Padcock	22 2 0	145 20 5	18-4-89	23-5-89	835	248	b 216	89	20,300	15	..	..	6	..	162	..
	Ditto	4. "P. R."	21 46 35	145 28 45	28-5-89	22-7-89	900	397	a 65	84	..	..	35	S	60,000	..	163	..
	Ditto	5. Silverdale	21 54 35	145 20 10	2-8-89	23-8-89	835	280	c 231	85	29,780	over 12	..	..	6	..	164	..
	Ditto	6. Desert	21 58 50	145 28 0	6-9-89	5-10-89	..	297	a 80	..	..	..	46	..	6	..	..	..
	Ditto	7. Jericho	22 5 40	145 20 50	15-10-89	28-10-89	800	226	b 138	81	87,430	28	..	..	6	..	165	..
	Ditto	8. Paradise	22 13 25	145 15 0	5-11-89	23-12-89	780	510	a 405	92	90,000	42	..	..	6	..	166	..
	Ditto	9. Bough Shed	22 10 50	145 13 30	4-2-90	14-4-90	780	518	b 436	93	104,000	66	..	..	6	..	167	..
	Ditto	13. Woolshed (Old) ditto	22 1 0	145 13 50	25-4-90	5-6-90	780	528	b 413	92	117,000	46	..	..	6	..	168	..
	Ditto	11. Perringunga ditto	21 40 25	145 9 45	23-6-90	22-9-90	875	608	b 510	105	7,130	7	..	..	6	..	169	..
	Ditto	12. Bullock Creek ditto	21 34 40	145 5 30	7-10-90	13-12-90	940	658	b 616	93	..	..	35	S	54,400	..	170	..
	Ditto	13. Haddon's ditto	22 4 15	145 15 56	22-12-90	10-1-91	795	440	c 372	98	113,600	..	..	..	6	..	171	..
	Ditto	14. Marie Downs, J. Moloney	22 10 40	145 7 50	19-1-91	30-7-91	790	785	a 707	98	55,000	..	..	..	6	..	172	..
	Ditto	15. Corinda Station G.M. & Co.	22 2 50	145 20 25	8-8-91	17-8-91	840	367	a 244	87	22,240	..	..	..	6	..	173	..
	Ditto	16. Sawpit ditto	22 2 0	145 24 0	17-8-91	28-12-05	840	396	D 396	..	57,600	..	..	..	6	..	174	..
	Ditto	17. Sheepyards ditto	22 5 5	145 22 25	24-8-91	29-8-91	827	301	a 216	84	11,770	..	..	..	6	..	175	..
	Ditto	18. Jam Creek ditto	22 4 20	145 20 5	31-8-91	4-9-91	810	222	a 180	83	86,280	37	..	..	6	..	176	..
	Ditto	19. Thunderbolt ditto	22 8 25	145 19 30	5-9-91	14-9-91	775	301	a 255	82	110,300	51	..	..	6	..	177	..
	Ditto	20. Mutual ditto	22 5 20	145 8 30	17-9-91	21-10-91	805	642	a 572	98	123,700	63	..	..	6	..	178	..
	Ditto	21. Beach's ditto	21 59 40	145 20 25	27-10-91	4-11-91	825	310	b 243	87	22,990	16	..	..	6	..	179	..
	Ditto	22. Undercliffe ditto	21 59 0	145 24 0	7-11-91	21-11-91	820	300	a 113	84	100,000	..	..	..	6	..	180	..
	Ditto	23. Overflow ditto	21 56 40	145 20 15	16-11-91	23-11-91	815	261	b 229	87	29,000	..	..	..	6	..	181	..
	Ditto	24. Herbershire ditto	21 55 20	145 22 55	25-11-91	30-11-91	852	214	a 162	82	20,000	32	..	..	6	..	182	..
	Ditto	25. Round Mountain ditto	21 55 0	145 22 50	2-12-91	5-12-91	830	217	a 69	83	20,000	5	..	..	6	..	183	..
	Ditto	26. Blind (ab'nd) ditto	21 51 30	145 25 10	8-12-91	13-12-91	910	300	a 145	..	48,550	..	36	..	6	..	184	..	
	Ditto	27. Rainsby ditto	21 51 50	145 20 20	22-12-91	1-1-92	850	342	b 280	86	..	..	..	..	6	..	185	..
	Ditto	28. Upper Camp ditto	21 52 0	145 26 5	4-1-92	8-1-92	860	360	a 91	6	..	186	..	

TABLE OF PRIVATE BORES—continued.

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					Commencement of Work.	Completion of Work.					Continuous Daily Flow in Gallons when Uncontrolled.	Static Head above Surface of Ground, in Feet.	Depth of Water Level below Surface, in Feet.	Volume Pumped or Available Daily, in Gallons.	Contractor.	Head Driller.	Section of Strata, &c.	Chemical Analysis.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
268	Dagworth Lease	1. Crescent Ck., Aust. Est. and Pinnacle Mtge. Co.†	21° 55' 10"	142° 1' 40"	4-92	7-93	L 764	3,335	c 3,100	196	ceased	see notes	? 19	..	11	14	..	5
	Ditto	2. Pinnacle Mtge. Co.†	21° 52' 40"	142° 9' 20"	4-98	12-98	L 788	3,400	a 2,700	192	289,200	..	..	..	11	64	..	brackish
	Ditto	3. ditto	21° 49' 35"	142° 7' 0"	.. 00	9-00	L 707	? 3,579	..	174	344,000	..	..	..	10	44	..	good
269	Dalby North District	Fairview, W. J. Hogan	27° 3' 30"	151° 13' 35"	before end of '88	end of '88	..	77	a 77	..	..	..	70	..	..	..	..	..
	Ditto	Cattle Creek Road	27° 3' 30"	151° 17' 15"	before end of '88	end of '88	..	80	a 80	..	..	..	105	..	..	..	..	..
	Ditto	Stundown	26° 59' 35"	151° 8' 20"	before	before	..	186	a 186	..	..	..	70	..	..	..	..	..
	Ditto	Five-mile Dam	27° 4' 20"	151° 9' 0"	..	before '94	? 1,090	240	a 240	..	..	..	..	..	..	..	..	..
	Ditto	Broadmount	27° 0' 13"	151° 4' 40"	before	end of '88	..	not stated	70	..	..	..	..	..	..	..	..	..
	Ditto	Irvingdale, Mulholland	..	..	02	02	? 116	116	..	..	..	..	..	..	..	..	..	..
	Ditto	Jimbour Estate, Campbell's	..	..	before	6-09	..	80	..	..	..	..	..	..	..	..	..	..
	Ditto	ditto	..	..	before	6-09	? 80	80	..	..	..	..	..	..	..	..	..	..
	Ditto	Squaretop, Bell Railway	..	..	before	5-10	? 43	43	..	..	..	..	..	..	..	..	..	..
270	Dalby South District	St. Ruth	27° 41' 44"	151° 17' 5"	before end of '88	end of '88	..	80	a 80	..	..	..	..	..	..	..	..	..
	Ditto	Oakwood	..	..	before	end of '88	..	64	a 64	..	..	..	..	..	..	..	..	..
	Ditto	Killieno	..	..	before	end of '88	..	58	a 58	..	..	..	..	..	..	..	..	..
	Ditto	E. O'Keefe's	..	..	02	4-02	..	106	a 78	..	..	..	..	..	..	..	..	..
	Ditto	J. D. Mulholland	..	..	..	5-02	..	98	a 88	..	..	..	..	..	..	..	..	..
	Ditto	L. Riethmuller	..	..	02	6-02	..	110	b 80	..	..	..	..	..	..	..	..	..
	Ditto	(several shallow bores)	..	..	before	10-08	..	72	.. 72	..	..	..	..	..	..	..	..	..
	Ditto	Church of England	..	..	before	10-08	..	400	..	..	..	..	..	..	..	..	..	..
	Ditto	Hereward Sel., J. F. Haase	27° 13' 0"	151° 10' 0"	before	8-12	..	..	..	..	..	..	..	..	..	..	..	..
271	Dagonal Lease	A. Seden (abandoned)	20° 19' 10"	141° 10' 30"	..	10-90	? 290	336	drv	87	32,700	9 to 14	..	..	..	..	..	..
	Ditto	B. Fullerton	20° 20' 0"	141° 14' 25"	..	12-90	305	108	no records	98	ceased	see notes	nr. surf.	..	..	..	..	..
	Ditto	C. Gilliat	20° 20' 0"	141° 14' 25"	..	3-91	308	336	no records	92	trickle	see notes	..	..	..	..	..	..
	Ditto	D. Twelve-mile, L. C. Wilson	20° 14' 40"	141° 35' 20"	..	5-91	355	450	D	122	trickle	..	..	..	..	..	..	..
	Ditto	E. Springs, W. A. Gilmore	20° 22' 40"	141° 36' 30"	..	7-91	355	? 300	no records	..	..	..	..	..	..	..	..	..
	Ditto	1. Rocky, N.Z., Aust. Land Co.	20° 28' 50"	141° 26' 20"	01	01	L 389	917	..	114	107,200	..	..	..	..	..	..	..
	Ditto	2. Holy Joe	20° 24' 20"	141° 17' 45"	01	02	L 352	981	..	108	322,000	..	..	..	..	..	..	..
	Ditto	3. Williams	20° 27' 25"	141° 5' 20"	02	02	L 358	1,024	..	112.5	56,000	..	..	..	..	..	..	..
	Ditto	4. Middle Creek	20° 14' 30"	141° 17' 30"	02	02	L 312	970	..	120	280,000	..	..	..	..	..	..	..
	Ditto	5. 12-mile	20° 17' 20"	141° 31' 0"	04	04	L 328	1,080	..	115	203,500	..	..	..	..	..	..	..
	Ditto	6. Fullarton	20° 13' 20"	141° 10' 50"	04	04	L 312	551	..	106	217,600	..	..	..	..	..	..	..
	Ditto	7. McLeod's	20° 22' 30"	141° 15' 10"	11	11	L 320	887	a 708	108	505,700	..	..	..	72	..	..	..
	Ditto	8. Opossum Camp	20° 31' 35"	141° 10' 55"	11	11	L 360	709	b 704	110	308,000	..	..	..	..	..	..	..
	Ditto	9. Polly's Creek	20° 14' 35"	141° 4' 25"	7-5-13	27-6-13	L 383	1,152	b 952	123	22,800	16 to 19	..	..	..	..	..	..
	Ditto	10. Maiden Camp	20° 11' 10"	141° 7' 35"	12-9-13	24-10-13	L 302	1,006	b 913	117.5	474,000	..	..	..	..	..	..	..
	Ditto	Sunny Plains, J. Pent	20° 27' 25"	141° 43' 40"	19-11-12	22-12-12	L 375	1,026	a 1,020	110.5	713,900	..	..	..	..	..	..	..
	Ditto	Consentes, M. Lavarack	20° 16' 20"	141° 37' 20"	15-7-13	26-8-13	L ..	1,140	b 1,130	? 116	579,200	..	..	..	15	146	..	..
272	Dalmally Freehold	1. Coinada, Dalmally Ltd.	26° 47' 0"	148° 37' 0"	..	11-06	..	2,186	..	..	5,000	..	..	..	..	..	..	..
	Ditto	2. Dalmally	..	..	..	P 07	..	2,000	..	..	..	..	..	..	..	..	..	..
273	Darr River-Downs Lease	1. Nine-mile, Coleman & Watt	22° 55' 0"	144° 7' 5"	23-12-88	3-99	L 763	D3,600	b ?	156.5	22,600	..	..	..	32	28	..	..
	Ditto	2. Esairle	22° 43' 15"	143° 58' 40"	1-11-89	5-01	L 800	D3,890	..	172	92,000	..	..	..	32	28	..	..
	Ditto	3. Muttaburra Road	22° 37' 0"	143° 51' 35"	1-90	8-01	L 884	3,650	c 3,210	? 162	ceased	..	..	..	32	..	..	..
	Ditto	4. Overnewton	22° 51' 30"	143° 52' 0"	2-92	28-3-94	L 885	4,006	b 3,320	175.4	56,700	..	..	..	32	..	..	..
	Ditto	5. Por. 10v.	22° 29' 10"	143° 51' 51"	6-10	5-12	L 865	3,640	..	160	6	17

TABLE OF PRIVATE BORES—continued.

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					Commencement of Work.	Completion of Work.					Continuous Daily Flow in Gallons when Uncontrolled.	Static Head above Surface of Ground, in Feet.	Depth of Water Level below Surface, in Feet.	Volume Pumped or Available Daily, in Gallons.	Contractor.	Head Driller.	Section of Strata, &c.	Chemical Analysis.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
273	Darr River Downs Lease..	6. Brendon, Coleman & Watt	23 0 35	143 56 15	..	93	750	900	900	warm	..	..	..	S 16,000	32	178	10	brackish
comd.	Ditto	7. 15-mile ditto	22 44 0	143 52 5	..	..	775	430	81	?	..	..	?	W	162	178	..	brackish
	Ditto	8. 18-mile ditto	22 40 25	143 48 45	..	..	787	460	?	?	..	..	?	W	162	178	..	fresh
	Ditto	9. Banceaux ditto	22 41 35	143 44 5	..	..	782	430	..	..	..	..	?	W	162	178	..	fresh
	Ditto	10. Petrolia, No. 1. ditto	22 40 15	143 57 10	..	..	L 844	448	..	..	..	..	?	W	162	178	..	..
	Ditto	11. Petrolia, No. 2 ditto	22 38 25	143 55 20	..	P	L 833	470	..	86	..	..	?	W	162	178	..	fair
	Ditto	12. Kelly's Creek ditto	22 42 5	143 44 40	..	..	L 821	430	..	81	..	..	?	W	162	178	..	brackish
	Ditto	13. Drylands ditto	22 44 45	143 55 10	..	..	L 788	430	dry	81	..	..	?	W	162	178	..	brackish
	Ditto	14. Dalmore ditto	22 44 0	144 14 10	..	..	L 776	340	dry	81	..	..	?	W	162	178	..	fair
	Ditto	15. Shady-side ditto	22 59 15	144 7 50	..	..	L 719	428	..	..	..	..	?	W	162	178	..	fair
	Ditto	16. Shady-side, Salt ditto	23 1 10	144 9 5	..	..	L 727	400	..	..	..	..	?	W	162	178	..	very salt
	Ditto	20-mile Well ditto	22 39 0	143 46 30	..	..	L 781	150	?	130	..	..	?	W	162	178	..	brackish
	Ditto	1. Lagune ditto	22 46 0	143 48 5	..	14	L 785	500	(abandoned)	..	..	..	?	W	162	178	..	very salt
	Ditto	2. ditto ditto	22 45 40	143 48 45	..	14	L 805	600	250	86	..	..	?	W	162	178	..	brackish
	Bunnington Lease	1. (abandoned) ditto	22 29 45	143 51 35	..	10	L 903	?	300	..	..	..	124	W	162	178	..	salt
	Ditto	2. Centre Bangall ditto	22 26 0	143 48 25	..	15	L 852	550	155	84	..	..	?	W	162	178	..	fair
	Ditto	3. Centre Bunnington ditto	22 25 35	143 50 10	..	13	L 935	550	205	82	..	..	?	W	162	178	..	fair
	Ditto	4. Sunny Plains ditto	22 25 20	143 46 35	..	13	L 894	550	236	87	..	..	?	W	162	178	..	fair
	Ditto	5. Burns, Ck. No. 1 ditto	22 34 25	143 46 50	..	?	L 820	500	..	83	..	..	?	W	162	178	..	brackish
	Ditto	6. Burns Ck. No. 2 ditto	22 34 40	143 51 20	..	?	L 830	420	..	86	..	..	?	W	162	178	..	fair
	Ditto	7. Dry Block ditto	22 32 0	143 47 10	..	?	L 830	450	..	86	..	..	?	W	162	178	..	brackish
	Ditto	8. Fresh Water ditto	22 25 15	143 47 25	..	?	L 936	487	..	83	..	..	?	W	162	178	..	stagnant
	Darr River Downs Resump.	Richfield, McLeod & Lutz	22° 45' 10"	144° 1' 15"	..	14	L 796	425	?	83	..	..	?	W	..	..	..	brackish
	Ditto	1. Sunny Plains, Lowe Bros.	22 26 10	143 42 35	..	..	L 898	370	370	..	..	..	?	W	..	..	..	stagnant
	Ditto	3. ditto	22 30 20	143 43 10	..	..	L 855	?	..	..	..	..	?	W	147	197	..	..
	Ditto	4. ditto	22 29 10	143 43 45	..	..	L 851	330	..	81	..	..	151	W	121	164	..	very salt
	Ditto	5. ditto	22 30 25	143 44 0	..	12	L 836	372	..	85	..	..	110	W	121	164	..	brackish
	Ditto	6. ditto	22 29 15	143 37 5	..	12	L 812	605	..	83	..	..	135	W	121	164	..	brackish
	Ditto	7. ditto	22 26 35	143 40 30	..	12	L 860	350	..	..	..	..	125	W	121	..	..	very salt
	Ditto	1. Hereward, Mackay & McIntyre	22 52 10	143 50 40	..	12	L 780	400	..	82	..	..	?	W	150	197	..	brackish
	Ditto	2. ditto	22 55 30	143 51 40	..	6-12	L 830	800	d	83	..	..	160	W	124	..	..	brackish
	Ditto	3. ditto	22 53 0	143 48 15	..	12	L 728	555	d	91	..	..	80	W	150	200	..	brackish
	Ditto	4. ditto	22 51 10	143 47 5	..	13	L 733	511	..	90	..	..	80	W	150	200	..	brackish
	Ditto	5. ditto	22 49 0	143 48 50	..	13	L 778	423	..	88	..	..	120	W	123	193	..	brackish
	Ditto	1. Levucka, F. A. Allen	22 20 0	144 7 30	..	..	L 783	?	..	84	..	..	?	W	94	123	..	fair
	Ditto	2. ditto	22 21 10	144 5 25	..	..	L 797	302	..	83	..	..	?	W	6	231	..	brackish
	Ditto	3. ditto	22 19 25	144 6 30	..	12	L 789	350	a	83	..	..	?	W	6	231	..	fair
	Ditto	4. ditto	22 17 40	144 7 45	..	12	L 848	548	c	84	..	..	?	W	6	231	..	fair
	Ditto	5. ditto	22 16 0	144 7 50	..	13	L 914	500	b	83	..	..	?	W	6	231	..	fair
	Ditto	1. Darraveen, H. F. Watson	22 55 15	144 9 20	..	13	L 763	321	a	81	..	..	104	W	162	239	..	brackish
	Ditto	2. ditto	22 56 40	144 10 40	..	10-3-15	L 759	650	..	..	..	..	92	O	..	..	..	brackish
	Ditto	3. ditto	22 55 30	144 13 0	..	2-6-16	L 798	350	..	..	..	..	..	..	..	..	..	..
	Davenport Downs Lease	1. Ingledoun, T. Purcell	24 10 ..	141 10 ..	..	02	..	?	1,650	..	..	..	..	..	6	63	..	..
	Ditto	2. ditto	24 16 40	141 24 20	..	07	..	?	1,480,000	..	..	..	..	..	98	129	..	..
	Ditto	Ldc. 143, Trustee J. Rutherford	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

TABLE OF PRIVATE BORES—continued.

Reference No.	Locality, Lease, Parish, Town, or District.	Local Name of Bore and Name of Owner. (For additional Data, refer to Notes at the end of this Table.)	Latitude South.	Longitude East.	DATES.		Surface of Ground above Mean Sea Level, in Feet.	Total Depth of Bore, in Feet.	Depth to Principal Bed, in Feet below Surface.	Temperature of Water, Fahrenheit Degrees.	ARTESIAN.		SUB-ARTESIAN.			Section of Strata, &c.	Chemical Analysis.			
					Commencement of Work.	Completion of Work.					Continuous Daily Flow in Gallons when Uncontrolled.	Static Head above Surface of Ground, in Feet.	Depth of Water Level below Surface, in Feet.	Volume Pumped or Available Daily, in Gallons.	Head Driller.			Contractor.		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19		
293	Eulolo Resumption Rangeview Lease Imbi Imbi Lease Eulolo Holding	4. Snake Creek, Collins, White, and Co. 5. Mt. Helen 6. Rangeview Creek ditto 7. Blucy Creek ditto 8. Upper Fullarton ditto	21° 27' 35" 21° 35' 30" 21° 3' 25" 21° 14' 50" 20° 56' 20"	141° 12' 50" 141° 11' 40" 141° 8' 10" 141° 9' 0" 141° 5' 20"	95 95 96 5-96	9-95 11-95 2-96 5-96 7-96	L 634 L 733 L 649 L 577 L 573	855 1,067 850 866 548	b 850 a 850 a 550 b 360	114 100 95 100	163,500 ceased 115,500 2,400	see notes see notes see notes	35.2 22	S large very good	11 11 11 11	.. .. .	48 49 50 51 52	58 good 56 52	
	Ditto	9. Holy Joe ditto 10. Berwick ditto 11. Lower Fullarton ditto 12. Soney Creek ditto 13. Nora Creek ditto	20° 54' 55" 20° 52' 15" 20° 49' 15" 20° 57' 15" 21° 16' 25"	141° 8' 40" 141° 4' 20" 141° 6' 20" 141° 13' 55" 141° 10' 20"	8-96 9-96 10-96 11-96 12-96 97	L 534 L 537 L 504 L 501 L 567	300 692 562 840 905	a 200 a 520 a 500 a 840 a 740	91.5 ? 96 100 100 100	16,200 1,500 25,000 16,000 1,800	see notes	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	53 good good good	
	Ditto	14. Richelieu ditto 15. Boat Creek ditto 16. Birdcage ditto 17. Copi ditto 18. Lower Fullarton ditto	21° 11' 35" 21° 2' 40" 20° 58' 20" 20° 51' 30" 20° 46' 15"	141° 11' 30" 141° 6' 45" 141° 17' 0" 141° 10' 20" 141° 8' 10"	6-12-99 9-07 11-07 10-08	L 661 L 604 L 497 L 498 L 476	891 143 910 541 619	a 797 a 119 a 838 a 102 a 544	? 88 cool 113.5 ? 99	1,200 27,000 over 25,000	.. .. .	.. .. .	66.8	10,000	.. .. .	.. .. .	.. .. .	good fair good fair good
	Eulolo Lease Ditto Ditto Ditto	19. Corella ditto 20. Gyvya Creek ditto 20A. (abandoned) ditto 21. Beaudesert H.S. ditto 22. Bull Creek (ab'd) ditto	21° 12' 30" 21° 19' 0" 21° 18' 40" 21° 31' 50" 21° 10' 0"	141° 16' 15" 141° 0' 10" 141° 5' 35" 141° 4' 40"	11 4-12 ? 13 before	L 532 L 686 ? L 676	785 175 ? 799* 320	b 765 b dry 591 90	111	99,500 2,800	.. .. .	.. .. .	.. .. .	S 30,000 very small	116 185	.. .. .	.. .. .	good brackish good salty
	Eulolo Holding Ditto Imbi Imbi Holding Eulolo Lease	23. Dingding Creek ditto 24. Nettie Creek ditto 25. (abandoned) ditto 26. Black Scrub ditto 27. Bull Creek ditto 28. ditto	21° 33' 30" 21° 36' 15" 21° 33' 15" 21° 0' 30" 21° 6' 30"	141° 0' 25" 141° 4' 25" 140° 57' 55" 141° 13' 25" 141° 5' 10"	before 4-14 19-10-14 15	(ab'd) L 731 L 798 L 500	281 787 153 888 170 210	dry 550 b 130 c	.. .. . 114	.. .. . 47,800	.. .. .	.. .. .	? 18	S 50,000 small	72 72 72	146 146	.. .. .	fair good
	Eulolo Resumption Ditto Ditto Ditto	1. Tal Tal, J. T. Dawson ditto 2. Boorama, A. E. Wheelhouse ditto 3. Fercol Plains, J. H. J. Bingham ditto	21° 22' 15" 21° 21' 40" 21° 24' 10" 21° 24' 30"	140° 59' 0" 140° 58' 25" 140° 58' 50" 141° 4' 45"	20-11-14 28-6-14 21-8-14 9-1-15	L 709 L 758 L 722 L 653	136 287 185 600	a 100 b 135 c 600	(ab'd) .. .. .	.. .. .	.. .. .	.. .. .	60.5 10 35.3	W small S large	134 134 134	46 46 198	.. .. .	good fair
294	Eurella Station Ditto	1. Eurella Creek, D. Fletcher ditto 2. Washpool Creek ditto	26° 46' 45" 26° 37' 30"	148° 14' 40" 148° 14' 55"	11-11 before	3,775 2,788	50,000 100,000	5	70	
295	Eversfield Lease	Eversfield, F. Douglass	26° 41' 4"	147° 28' ..	? 27-2-08 5-12-10	L 1,205	440	70	O 20,000	
296	Evesham Lease Ditto Ditto Ditto Ditto Resumption Ditto Ditto Ditto Ditto	1. Deep, Landstowne Past. Co. ditto 2. Shallow ditto 3. ditto ditto 4. ditto ditto 5. ditto ditto 6. ditto ditto 7. ditto ditto 8. Shallow, Landstowne Past. Co. ditto 9. ditto ditto 10. ditto ditto 11. Doghole ditto	23° 59' 35" 23° 3' 45" 23° 1' 25" 22° 55' 25" 22° 14' 0" 22° 18' 25" 22° 15' 10" 22° 19' 10" 22° 13' 5" 22° 57' 25" 22° 56' 0" 22° 58' 20"	143° 33' 35" 143° 10' 0" 143° 43' 0" 143° 45' 40" 143° 48' 0" 143° 47' 45" 143° 47' 45" 143° 48' 45" 143° 43' 50" 143° 46' 1" 143° 48' 5" 142° 44' 30"	27-2-08 5-12-10	4,150 4,834 310 320 325 368 350 400 371 380 340 414 708	f 4,260	190.5	99,000 59,000	11 11	67	
	Evesham Lease Ditto Ditto	8. Shallow, Landstowne Past. Co. ditto 9. ditto ditto 10. ditto ditto 11. Doghole ditto	(abandoned) 22° 57' 25" 22° 56' 0" 22° 58' 20"	143° 46' 1" 143° 48' 5" 142° 44' 30" 11-14	L 702	D 708	151	195

TABLE OF PRIVATE BORES—continued.

Reference No.	Locality, Lease, Parish, Town or District.	Local Name of Bore and Name of Owner. (For additional Data, if any, refer to Notes at the end of this Table.)	Latitude South.	Longitude East.	DATES.		Surface of Ground above Mean Sea Level, in Feet.	Total Depth of Bore, in Feet.	Depth to Principal Water Bed, below Surface, in Feet.	Temperature of Water, Fahrenheit Degrees.	ARTESIAN.		SUB-ARTESIAN.		REFERENCE NO. TO—			
					Commencement of Work.	Completion of Work.					Continuous Daily Flow in Gallons when Uncontrolled.	Static Head above Surface of Ground, in Feet.	Depth of Water Level below Surface, in Feet.	Volume Pumped or Available Daily, in Gallons.	Contractor.	Head Driller.	Section of Strata, &c.	Chemical Analyses.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
302	Fort Constantine Lease	22. Whitewood ditto	20° 19' 30"	140° 44' 10"	(aborn'd)	4-3-15	L 401	228	a 145	cool	..	..	63	W 25,000	154	257	..	good
contd.	Ditto	23. Brumby ditto	20° 25' 30"	140° 44' 35"	21-2-15	27-3-15	L 471	258	..	cool	..	..	36	W 10,000	154	257	..	good
	Ditto	24. Dingo ditto	20° 25' 30"	140° 49' 35"	12-3-15	6-4-15	L 456	175	b 357	cool	..	..	46	W 50,000	154	257	..	good
	Ditto	25. Prickly Bush ditto	20° 21' 10"	140° 51' 10"	14-5-15	31-5-15	L 499	359	..	cool	..	..	70	W 25,000	154	257	..	good
	Ditto	26. Desert ditto	20° 30' 40"	140° 45' 25"	16-6-15	28-6-15	L 492	383	b	cool	..	..	45	W 25,000	154	257	..	good
	Ditto	27. Sawpit, Aust. Past. Co. ditto	20° 17' 0"	140° 41' 20"	10-7-15	31-7-15	L 470	402	a 87	cool	..	..	35	S 20,000	154	257	..	good
	Ditto	28. Blockwood ditto	20° 27' 20"	140° 26' 35"	8-15	8-15	L 474	228	b 225	cool	..	..	40.2	? 26,000	154	257	..	good
	Ditto	29. Malakoff ditto	20° 19' 40"	140° 33' 35"	13-9-15	18-9-15	L 555	110	(aborn'd)	..	..	..	..	W good	154	257	..	good
	Ditto	30. Homestead Well ditto	20° 28' 45"	140° 36' 25"	..	..	L 538	?	variable	..	..	..	?	W good	154	257	..	good
	Ditto	Three-Mile Well ditto	20° 31' 5"	140° 34' 35"	..	..	..	?	variable	..	..	..	?	S large	154	257	..	good
	Ditto	Eight-Mile Well ditto	20° 33' 4"	140° 32' 0"	..	..	..	?	variable	..	..	..	?	S large	154	257	..	good
	Ditto	Upper Tommy Well ditto	20° 28' 10"	140° 29' 0"	..	..	L 542	?	..	..	..	..	58	S good	..	..	..	fair
	Ditto	Middle Tommy Well ditto	20° 28' 20"	140° 29' 35"	..	..	L 522	?	..	..	..	..	71.5	W good	..	..	..	fair
	Ditto	Lower Tommy Well ditto	20° 22' 30"	140° 32' 20"	..	..	L 498	?	..	..	..	..	68	S good	..	..	..	good
	Ditto	Top Corella Well ditto	20° 30' 15"	140° 19' 20"	..	..	..	?	..	..	..	..	..	..	..	..	..	..
	Ditto	Middle Corella Well ditto	20° 21' 40"	140° 23' 45"	..	..	..	?	..	..	..	..	..	..	..	..	..	..
	Ditto	Lower Corella Well ditto	20° 19' 15"	140° 28' 20"	..	..	L 507	?	..	..	..	..	41.7	S good	..	..	..	good
303	Fort Constantine Resump. Ditto (Arrolla Downs)	1. Arrolla Station, M. A. Cook ditto	20° 50' 25"	140° 55' 25"	12-09	10-1-10	L 575	333	a 280	90	..	..	48.4	W good	136	187	..	good
	Ditto	2. Woolshed ditto	20° 50' 5"	140° 48' 50"	11	10-5-11	L 509	523	a 510	? 94	..	..	0.3	W good	136	187	..	good
	Ditto	3. Sheepyard ditto	20° 52' 40"	140° 58' 40"	5-11	2-7-11	L 537	475	b 455	? 79	..	..	..	..	136	187	..	good
	Ditto	4. Dribbling ditto	20° 50' 0"	141° 0' 15"	11	10-11	L 503	533	a 500	?	..	..	..	..	136	187	..	good
	Ditto	5. Boundary ditto	20° 48' 15"	140° 55' 25"	12	15-6-12	L 532	533	a 420	?	..	..	5.8	W good	136	187	..	good
	Ditto	6. ditto	20° 53' 0"	140° 54' 10"	12	28-11-12	L 599	450	a 375	87	..	..	67.9	W good	136	187	..	fair
	Ditto	7. ditto	20° 52' 50"	140° 52' 40"	12	12-12	L 583	400	a 355	?	..	..	60	W good	136	187	..	fair
	Ditto	8. Spanish Vale, No. 1 ditto	20° 46' 40"	140° 59' 40"	4-10	8-5-10	L 476	608	a 600	91	..	..	..	..	136	187	..	good
	Ditto	9. Spanish Vale, No. 2 ditto	20° 47' 0"	141° 2' 0"	6-10	9-7-10	L 473	672	a 650	102	..	..	..	..	136	187	..	good
	(Levuka Downs)	1. Levuka Stn., H. J. Taylor and 2. Levuka Stn., [A. C. Miller	20° 55' 15"	140° 57' 10"	11	10-11	L 591	333	a 245	?	..	..	47.8	W good	136	187	..	good
	Ditto	1. Rajview, J. Hulbert ..	20° 55' 45"	140° 54' 25"	13	1-14	L 609	155	a 92	82.5	..	..	65	W good	136	187	..	good
304	Fort Constantine Resump. (near Cloncurry R' way.)	1. Rajview, J. Hulbert ..	20° 44' 50"	140° 49' 50"	14	14	L? 534	200	.. 70	?	..	..	55	W 8,000	154	257	..	fair
	Ditto	2. ditto ditto ..	20° 46' 25"	140° 46' 10"	(aborn'd)	..	L 537	80	.. 70	..	..	..	28.4	8,000 small	154	257	..	fair
	Ditto	3. ditto ditto ..	20° 45' 0"	140° 47' 30"	..	..	L 543	60	..	..	..	..	..	..	154	257	..	fair
	Ditto	4. ditto ditto ..	20° 44' 30"	140° 48' 35"	..	..	L 537	206	?	..	..	..	33	6,000	154	257	..	fair
	Ditto	1. Balacava, D. Monize ditto	20° 41' 35"	140° 50' 0"	7-12	12	L 499	376	c 376	100	..	..	n'r surf.	W good	136	187	..	good
	Ditto	2. ditto ditto ..	20° 43' 10"	140° 45' 40"	..	..	L 560	156	.. 90	?	..	..	26.8	3,000	136	187	..	fair
	Ditto	3. ditto ditto ..	20° 42' 25"	140° 45' 40"	12	12	L 567	136	..	90	..	..	45	W 8,000	136	187	..	corros.
	Ditto	1. Royal, J. Balde ditto	20° 38' 0"	140° 50' 10"	20-8-08	10-08	L 469	433	..	90	..	..	..	..	72	..	..	fair
	Ditto	2. ditto ditto ..	20° 38' 40"	140° 47' 45"	..	..	L 495	..	..	..	..	..	..	..	..	..	..	..
	Ditto	1. Winslade, L. H. Corser ditto	20° 43' 55"	140° 54' 30"	10	10	L 487	555	540	105	..	..	14.8	W	136	187	..	good
	Ditto	2. ditto ditto ..	20° 42' 30"	140° 52' 40"	..	..	L 498	50	40	?	..	..	21	5,000	136	187	..	good
	Ditto	3. ditto ditto ..	20° 42' 50"	140° 56' 35"	12	12-12	L 509	460	..	96	..	..	..	..	136	187	..	good
	Ditto	1. Canal, J. McLain ditto	20° 40' 15"	140° 52' 35"	00	12-00	L 465	842	.. 560	96	..	..	..	..	178	92	..	fair
	Ditto	2. ditto ditto ..	20° 37' 15"	140° 53' 45"	10-08	12-08	L 444	816	c	94	..	..	..	..	72	..	..	fair
	Ditto	1. Gilmore, —, Gilmore ..	20° 40' 55"	140° 57' 40"	19-9-93	12-5-94	L 462	940	c 800	106	..	..	..	..	..	..	..	fair
	Ditto	2. ditto ditto ..	20° 40' 0"	141° 1' 25"	11-08	1-12-08	L 440	680	c 630	107	..	..	..	..	..	..	..	good
	Ditto	1. Fisher & Ck., W. H. Helpman	20° 41' 10"	140° 42' 15"	..	..	L 579	79	d 50	..	..	..	..	..	..	..	..	fair
305	Foyle View Group	Hoolah, D. A. Cameron ..	27° 7' 50"	148° 16' 15"	?	8-11	..	2,520	2,520	..	?	..	..	..	5	241	299	299
	Ditto	1. Woodlands, D. A. Cameron ..	27° 15' 30"	148° 12' 0"	11-11	16-3-12	..	2,418	2,285	..	?	..	..	..	5	5	301	301
	Ditto	2. Woodlands, Aherm Bros ..	27° 15' 20"	147° 50' 55"	1-12	9-12-12	..	3,245	3,008	136	..	..	..	..	6	221	221	221
	Ditto	1. Rocky L., D. A. Cameron ..	27° 22' 20"	148° 19' 40"	6-4-12	21-9-12	..	2,345	2,345	..	?	..	..	..	5	5	241	241
	Ditto	2. Rocky L., F. Duncombe ..	27° 21' 10"	148° 23' 30"	8-12	11-12	..	2,015	2,850	..	?	..	..	..	165	288	288	288
	Ditto	1. Teeswater, L. E. and A. L. King	26° 50' 25"	148° 16' 10"	16-10-12	18-7-14	..	4,297	4,240	..	?	..	..	..	5	241	241	241

TABLE OF PRIVATE BORES—continued.

Reference No.	Locality, Lease, Parish, Town, or District.	Local Name of Bore and Name of Owner. (For additional data, if any, refer to Notes at the end of this Table.)	Latitude South.	Longitude East.	DATES.		Surface of Ground above Mean Sea Level, in Feet.	Total Depth of Bore, in Feet.	Depth to Principal Water Bed, in Feet, below Surface.	Temperature of Water, Fahrenheit Degrees.	ARTESIAN.		SUB-ARTESIAN.		REFERENCE NO. TO—			
					Commencement of Work.	Completion of Work.					Continuous Flow in Gallons when Uncontrolled.	Static Head above Surface of Ground, in Feet.	Depth of Water Level below Surface, in Feet.	Volume Pumped or Available Daily, in Gallons.	Contractor.	Head Driller.	Section of Strata, &c.	Chemical Analysis.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
306	Geera or Hamlet Downs	A. Trial Bore, T. J. Hannay ..	23° 33' 40"	145° 30' 0"	(abandoned)	? 83	911	52	dry	..	..	..	nr. surf.	..	..	..	..	potable
	Ditto	B. ditto	23° 33' 40"	145° 30' 0"	" "	5-98	911	105	80	..	1,500	..	surface	50,000	..	..	..	potable
	Ditto	C. ditto	23° 33' 40"	145° 30' 0"	" "	1-98	911	82	..	..	V	..	..	..	41	..	..	..
	Ditto	1. Geera, T. J. Hannay ..	23° 33' 45"	145° 27' 20"	16-3-98	3-5-98	L 911	1,200	..	104	130,000	see notes	..	..	41	..	..	..
	Ditto	2. ditto T. J. Hannay ..	23° 33' 25"	145° 27' 0"	1-03	3-03	L 912	1,177	..	103	102,000	..	..	..	41	..	..	..
	Ditto	3. ditto T. J. Hannay ..	23° 33' 30"	145° 28' 15"	6-03	8-03	L 916	1,180	590	100	173,000	..	..	..	41	..	..	..
	Ditto	4. ditto	23° 33' 20"	145° 28' 40"	8-03	8-03	L 918	1,108	600	100	124,000	..	..	..	41	..	..	..
	Glendower Lease	1. Blantyre, Daly & Ennis ..	20° 44' 20"	144° 42' 25"	00	12-00	? 1,505	675	..	..	..	..	? 207	S 64,800	..	..	..	204
	Ditto	2. Prairie Ck. W. R. Chisholm ..	20° 44' 15"	144° 35' 10"	01	01	L 1,472	1,010	a	..	..	..	? 200	S 64,800	..	..	..	..
	Ditto	3. Ennis Ck., Coxon and Sons ..	20° 41' 30"	143° 51' 20"	1-2-12	10-4-12	L 1,214	455	a	cool	..	..	? 150	S brackish	..	..	..	..
	Ditto	4.	20° 39' 10"	143° 59' 45"	1-2-12	10-4-12	L 1,287	330	a	..	..	..	? 27	S good	75	97	..	good
	Ditto Resumption	A. Blantyre, Daly and Ennis ..	20° 44' 40"	144° 42' 20"	(abandoned)	12	L 1,505	? 300	dry	..	..	..	..	S good	74	96	..	..
	Ditto	B. ditto	20° 44' 40"	144° 42' 20"	" "	12	L 1,505	? 400	dry	..	..	..	..	S good	75	..	..	..
	Ditto	C. ditto	20° 44' 40"	144° 42' 15"	20-5-12	6-7-12	L 1,510	? 525	a	..	..	..	..	S 1,600	..	..	..	..
	Ditto	D. ditto	20° 44' 25"	144° 45' 55"	20-5-12	6-7-12	L 1,479	? 590	a	..	..	..	..	S 38,400	..	..	..	..
	Glendower Group (near [Prairie])	Penrice G. F. 899	20° 52' 30"	144° 44' 30"	.. 00	.. 00	..	499	..	..	..	..	? 200	S 2,500	..	..	..	good
	Ditto	ditto	20° 48' 40"	144° 41' 0"	12-00	3-01	..	500	a	..	..	..	..	S 1,600	..	..	..	..
	Ditto	ditto	20° 49' 0"	144° 36' 30"	? 00	01	L 1,437	? 500	..	..	..	..	..	S 5,000	..	..	..	..
	Ditto	Laurel Vale A. F. 878 .. .. .	.. .. .	.. .. .	(abandoned)	01	L 1,455	780	..	..	..	..	..	S 2,500	..	..	..	..
	Ditto	Warrice Railway Siding .. ..	.. .. .	.. .. .	.. .. .	06	..	400	..	..	..	..	..	S 1,600	..	..	..	..
	Ditto	Woodbine (Savage) .. .. .	.. .. .	.. .. .	.. .. .	00	..	480	..	..	..	..	..	S 1,600	..	..	..	..
	Ditto	Por. 4, J. M. Menzies	20° 46' 45"	144° 34' 10"	.. 14	27-4-14	..	449	..	..	..	..	..	S 5,000	..	..	..	..
	Glenroy	W. J. Davis	near Stonehenge	.. .. .	10	12-10	..	495	..	..	..	..	..	S 20,000	..	..	..	..
	Goodwood Resumption	L. Tolarno, G. R. M. Beauchamp ..	22° 58' 35"	140° 16' 0"	15	11-15	..	325	a	..	trickle	..	..	..	10	..	..	..
	Goondwindi District	N. Callandoon, W. T. Scrymgeour ..	28° 28' 40"	150° 14' 20"	10	5-11	L 685	3,149	..	110	913,000	..	..	..	66	..	..	..
	Ditto	Bingi Blocks (several shallow bores)	.. .. .	.. .. .	before	6-10	(total ? 300)	? 100	..	..	..	..	..	..	..	..	..	..
	Ditto	Smith Blocks .. .. .	.. .. .	.. .. .	before	2-09	..	? 247	247	..	..	..	..	..	..	..	..	..
	Ditto	Yellarbon .. .. .	.. .. .	.. .. .	before	2-09	..	? 247	..	..	..	..	..	..	..	..	..	..
	Glennormiston Lease	1. Tyson's, Collins, White & Co. ..	23° 0' 30"	138° 44' 0"	95	96	..	1,990	b	..	..	..	4	good	41	..	..	..
	Ditto	2. ditto	23° 10' 20"	138° 47' 30"	09	3-10	..	? 700	..	..	..	..	..	..	..	..	..	..
	Ditto	3. ditto	23° 10' 20"	138° 47' 30"	before	10-10	..	? 700	..	..	..	..	..	..	..	..	..	..
	Ditto	4. Wheelaman Ck. ditto .. .. .	.. .. .	.. .. .	15	12-15	..	? 307	b	..	..	..	..	..	..	..	..	..
	Ditto	5. ditto .. .. .	.. .. .	.. .. .	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Ditto	6. ditto .. .. .	.. .. .	.. .. .	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Ditto	7. ditto .. .. .	.. .. .	.. .. .	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Ditto	8. ditto .. .. .	.. .. .	.. .. .	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Ditto	9. ditto .. .. .	.. .. .	.. .. .	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Ditto	10. ditto .. .. .	.. .. .	.. .. .	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Ditto	11. ditto .. .. .	.. .. .	.. .. .	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Ditto	12. ditto .. .. .	.. .. .	.. .. .	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Ditto	13. ditto .. .. .	.. .. .	.. .. .	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Ditto	14. ditto .. .. .	.. .. .	.. .. .	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Gordon Downs Lease	(3 shallow bores less than 200 feet each)	23° 9' 0"	148° 11' 0"	before	3-09	..	152	c	..	..	..	..	..	..	..	..	..
			23° 9' 0"	148° 11' 0"	? before	..	..	..	?	..	..	..	..	..	..	..	..	..
			23° 9' 0"	148° 11' 0"	..	..	..	..	?	..	..	..	..	..	..	..	..	..
			23° 9' 0"	148° 11' 0"	..	..	..	..	?	..	..	..	..	..	..	..	..	..

TABLE OF PRIVATE BORES—continued.

Reference No.	Locality, Lease, Parish, Town, or District.	Local Name of Bore and Name of Owner. (For additional Data, refer to Notes at the end of this Table.)	Latitude South.	Longitude East.	DATES.		Surface of Ground above Mean Sea Level, in Feet.	Depth to Principal Water Bed, in Feet, below Surface.	Temp. of Water, Fahrenheit Degrees.	ARTESIAN.		SUB-ARTESIAN.		REFERENCE NO. TO—						
					Commencement of Work.	Completion of Work.				Continuous Daily Flow in Gallons when Uncontrolled.	Static Head above Surface of Ground, in Feet.	Depth of Water Level below Surface, in Feet.	Volume of Pumped or Available Water, in Gallons, Daily.	Contractor.	Head Driller.	Section of Strata, &c.	Chemical Analysis.			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19		
314	Gowrie Group (Charleville)	Gowrie, Baker Bros. Millie Station, D. McNeil	26° 3' 25"	148° 30' 35"	8-11	12-08	1,600	1,600	..	..	680,000	..	..	..	5	22	..	..
	Ditto	Myall, A. S. Menzies	26 16 50	146 5 40	06	10-1-07	1,350	1,180	104	104	106,800	30	..	..	6	66	..	..
	Ditto	Lockwood, L. B. G. Weston	26 15 50	146 0 40	1-514	10-7-14	1,337	1,800	108	108	138,000	..	..	..	6	145	..	..
	Ditto	Combarning, G. T. East	26 22 40	146 1 50	..	10-8-10	1,358	..	106	106	119,000	..	..	..	6	56	..	..
315	Granada Lease	1. One Mile, Aust. Est. and Sawpit (Morg. Co.)	20 3 25	140 27 40	6-97	9-97	860	510	cool	cool	..	..	24.2	8,000	12	..	..	brackish		
	Ditto	2. Homestead ditto	19 51 50	140 30 45	9-97	1-99	1,850	1,100	hot	hot	..	..	58.5	14,400	12	..	..	good		
	Ditto	3. Homestead ditto	19 6 15	140 21 45	7-9-10	28-9-10	404	398	warm	warm	..	..	50	14,400	6	189	..	good		
	Ditto	4A. Bellman ditto	19 58 45	140 30 20	..	..	400	dry	(aband'd)	(aband'd)	..	..	67	1,800	..	..	..	good		
	Ditto	4B. Bellman ditto	19 58 45	140 30 20	17-10-10	1-12-10	608	80	..	..	..	..	..	..	..	..	..	good		
	Ditto	5. Elvira ditto	19 52 0	140 27 40	..	..	887	a 808	..	..	..	..	120	very small	6	189	..	good		
	Ditto	6. Skeleton ditto	19 58 10	140 29 15	..	..	59	(aband'd)	..	..	..	..	49	W .. 800	..	..	..	..
	Ditto	Sandridge Well ditto	20 6 25	140 25 25	..	..	124	..	..	..	..	..	..	..	..	..	..	..	..
	Ditto	Ebony Well ditto	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
316	Grasmere Station	1. Trustees, D. Williams	27 26 35	147 15 35	5-11	7-11	1,760	..	122	122	1,190,000	..	..	..	5	108	..	..	..	..
	Ditto	2. ditto	..	..	..	8-10	..	..	..	..	465,000	..	..	..	..	..	..	..	..	..
317	Greendale Resumption	1. Jillett Bros	24 52 20	146 6 20	11-5-06	26-11-09	4,011	3,420	180	180	82,150	..	..	..	11	37	..	..	388	..
	Ditto	2. For. 64, George Jillett	24 48 30	148 8 10	12-16	P 12-16	3,932	..	..	..	200,000	..	..	..	11	37	..	..	369	..
	Ditto	Gartmore, F. A. Jillett	24 44 30	146 13 40	11-7-14	19-12-14	2,418	2,355	..	..	250,000	..	..	..	11	37	..	..	370	..
318	Green Hills Lease	1. Meadow, Green Hills Ltd.	22 45 45	144 16 0	11	11	410	340	83	83	..	..	140	7,000	162	..	..	..	fresh	..
	Ditto	2. One-mile ditto	22 42 5	144 11 35	14	14	100	200	..	..	..	..	60	5,200	6	230	..	..	salt	..
	Ditto	3. Stud paddock ditto	22 42 10	144 10 20	11-13	2-14	620	(aband'd)	..	..	..	..	56	4,500	6	230	..	..	fair	..
	Ditto	3A. Homestead Well ditto	22 42 10	144 10 20	83	3-14	350	(aband'd)	..	..	..	..	75	10,000	..	230	..	..	s. l.	..
	Ditto	4. Woolshed ditto	22 40 35	144 13 15	3-14	3-14	370	200	83	83	..	..	..	..	..	..	..	..	brackish	..
	Ditto	5. Five-mile ditto	22 42 45	144 14 20	12	12	432	..	..	..	..	..	..	..	150	280	..	..	salt	..
	Ditto	6. Horse pack ditto	22 41 0	144 10 35	2-14	3-14	762	153	81	81	..	..	80	10,000	6	280	..	..	brackish	..
	Ditto	7. Foydam ditto	22 44 5	144 18 40	15	6-15	739	(aband'd)	..	..	..	..	116	10,000	6	280	..	..	brackish	..
	Ditto	8. Jacob's Well ditto	22 39 35	144 12 15	7-7-15	8-15	756	..	..	..	..	..	115	4,000	6	280	..	..	fair	..
	Ditto	8A. Jacob's Well ditto	22 39 35	144 12 15	84	84	287	..	..	..	..	..	..	..	..	..	..	..	..	..
	Ditto	9. Hypatia ditto	22 39 30	144 7 40	8-8-15	28-8-15	354	..	..	..	..	..	115	3,500	6	280	..	..	fair	..
	Ditto	10. Ram pack ditto	22 37 15	144 11 35	23-9-15	23-10-15	480	..	..	..	..	..	150	3,500	6	280	..	..	fair	..
	Ditto	11. 4-mile Gully ditto	22 44 40	144 11 50	8-11-15	11-15	410	..	..	..	..	..	118	3,000	6	280	..	..	fair	..
	Ditto	12. Poison Gully ditto	22 36 30	144 8 10	29-11-15	14-1-16	512	..	..	..	..	..	104	5,000	..	..	..	..	good	..
	Ditto	Threemile Well ditto	22 41 20	144 8 25	83	83	180	..	..	..	..	..	70	6,500	..	..	..	..	..	..
	Ditto	Hypatia Well ditto	22 39 30	144 7 40	(aband'd)	..	no record	..	..	..	..	..	..	..	..	..	..	..	..	..
319	Green Hills Resumption	1. Luthrie, A. E. Hill	22 36 20	144 10 25	09	2-15	859	285	82	82	..	..	110	9,000	162	178	..	..	fresh	..
	Ditto	2. ditto ditto	22 49 35	144 10 15	11	11	838	466	81	81	..	..	162	2,500	162	178	..	..	fair	..
	Ditto	3. ditto ditto	22 41 0	144 5 20	11	11	783	385	84	84	..	..	85	2,500	162	178	..	..	brackish	..
	Ditto	4. ditto ditto	22 41 0	144 5 20	2-15	3-15	882	400	82	82	..	..	165	9,600	..	..	..	..	fair	..
	Ditto	Hypatia Well ditto	22 42 20	144 6 25	00	00	796	200	..	..	..	..	112	17,000	..	..	..	..	brackish	..
	Ditto	Ram Pk. Well ditto	22 44 0	144 8 5	..	..	798	200	..	..	..	..	116	W	..	..	..	..	brackish	..
	Ditto	Dry Block Well ditto	22 48 0	144 9 0	..	..	815	200	..	..	..	..	148	W	..	..	..	..	brackish	..
	Ditto	8. Branch Well ditto	22 41 15	144 3 20	..	..	798	200	..	..	..	..	127	5,000	..	..	..	..	brackish	..
	Ditto	Villa Well ditto	22 38 50	144 3 10	..	..	829	200	..	..	..	..	..	..	..	..	..	..	brackish	..
	Ditto	Villa Well ditto	22 38 50	144 3 10	..	..	829	200	..	..	..	..	..	..	..	..	..	..	brackish	..
	Ditto	Marathon, J. L. McDowall	22 49 0	144 15 20	7-1-15	25-8-15	777	2,770	154	154	251,300	18.5 to 33	..	..	11	37	..	..	fair	..
320	Greenmount Station	(three bores)	27 47 ..	152 0 ..	before	95	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Ditto	(other bores)	..	..	before	05	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Ditto	Cheese Factory	..	..	..	9-07	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Ditto	Greenmount Town	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

TABLE OF PRIVATE BORES—continued.

Reference No.	Locality, Lease, Parish, Town or District.	Local Name of Bore and Name of Owner. (For additional Data, if any, refer to Notes at the end of this Table.)	Latitude South.	Longitude East.	DATES.		Surface of Ground above Mean Sea Level, in Feet.	Total Depth of Bore, in Feet.	Depth to Principal Water Bed, below Surface.	Temperature of Water, Fahrenheit Degrees.	ARTESIAN.		SUB-ARTESIAN.		REFERENCE NO. TO—			
					Commencement of Work.	Completion of Work.					Continuous Flow in Gallons when Uncontrolled.	Static Head above Surface of Ground, in Feet.	Depth of Water Level below Surface, in Feet.	Volume Pumped or Available Daily, in Gallons.	Contractor.	Head Driller.	Section of Bore, etc.	Chemical Analysis.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
321	Gregory Downs Lease	Lawn Hills (a well), Watson Bros.	18° 40' 0"	138° 40' 0"	01	02	..	72	a	72	..	..	?	? P 9,600	16	17	18	19
322	Hamilton Downs Lease	A. Homestead, South Aus. Land Mort. Co.	21 25 25	142 24 25	before	4-14	..	601	dry	..	..	..	20	soak	121	..	..	good 255
	Ditto	..	21 28 20	142 21 55	before	5-14	..	609	..	..	..	..	..	..	11	64	..	good
	Ditto	..	21 34 45	142 22 20	..	4-95	L 709	3,301	2,700	162	322,300	..	..	..	11	23	..	good
	Ditto	..	21 33 10	142 15 40	7-98	1-90	L 786	3,457	2,430	170	130,000	..	..	..	11	23	..	good
	Ditto	..	21 32 10	142 32 0	10-12	P 6-16	L 672	3,500	..	159	336,700	..	..	..	11	23	..	good
	Ditto, Resumption	Belford G. F. 581, J. R. Scott	21 16 30	142 22 0	7-98	? 18-98	..	2,200	a	166	725,000	..	..	..	10	48	..	..
	Ditto	Chlo G. F. 216, R. C. Hogarth	21 38 50	142 40 40	01	4-02	L 762	3,745	..	..	195,000	..	..	..	112	148	..	..
	Ditto	The Ranch, T. E. M. Knox	21 21 30	142 15 0	3-13	27-11-14	L 629	2,214	..	..	556,000	..	..	..	..	..	..	..
	Ditto	Wyreema Downs	21 35 0	142 16 25	..	..	L 747	..	..	..	..	..	..	..	..	..	..	..
323	Hampden Mines	Florence Creek (shalt)	21 11 ..	140 23 ..	before	5-10	..	50	..	..	..	..	30 S large	..	..	..	..	..
324	Hardington Lease	A. Trial bore, N.Z. & Aus. Land Co.	22 10 15	144 48 45	..	88	..	100	100	..	..	..	..	..	..	..	..	..
	Ditto	..	22 13 25	144 47 50	..	88	..	90	90	..	..	..	..	..	..	..	..	..
	Ditto	..	22 13 10	144 48 10	before	08	..	103	103	..	..	..	..	..	..	..	..	..
	Ditto	..	22 10 25	144 52 0	08	3-12-08	L 873	136	136	82	..	..	..	..	..	..	..	..
	Ditto	..	22 9 55	144 44 35	09	6-3-08	L 818	126	126	..	..	..	..	..	..	..	..	..
	Ditto	..	21 56 15	144 49 0	09	22-6-09	L 940	176	176	84	..	..	..	..	..	..	..	..
325	Harrow Est., nr. Umbiram Ditto [Rly. Stn.]	..	..	..	before	06	..	50	..	..	..	..	..	..	..	..	..	..
	Ditto	..	..	..	"	06	..	50	..	..	..	..	..	..	..	..	..	..
	Ditto	..	..	..	"	06	..	80	..	..	..	..	..	..	..	..	..	..
	Ditto	..	..	..	"	06	..	36	..	..	..	..	..	..	..	..	..	..
326	Helidon District	1. Helidon Spa	27 42 20	152 6 21	before	80	..	60	a	60	3,000	..	..	..	..	..	..	..
	Ditto	1A. ditto	27 42 20	152 6 31	97	78	..	70	a	70	flow	..	..	..	15	..	..	..
	Ditto	2. Puzzling Gully	27 42 33	152 4 8	..	96	..	116	a	116	..	..	..	..	..	..	..	..
	Ditto	3. (abandoned)	27 43 48	152 5 13	..	96	..	150	a	144	..	..	..	..	..	..	..	..
	Ditto	3A. Campbell's Spa	27 43 51	152 5 40	(abandoned)	96	..	144	a	144	trickle	..	..	..	..	..	..	..
	Ditto	Hamly's Well	27 42 56	152 7 2	early ..	in 96	..	201	a	200	..	..	..	..	..	..	..	..
	Ditto	ditto (bore)	..	..	..	..	..	250	..	..	..	..	..	..	..	..	..	..
	Ditto	Gardner Bros.	..	..	..	..	..	186	..	..	..	..	..	..	..	..	..	..
	Ditto	Grotty, Thos.	..	..	..	..	..	65	..	..	..	..	..	..	..	..	..	..
327	Herbertvale Lease	1. Kilgour and Co.	18 55 ..	138 3 ..	12-9-04	28-11-04	..	365	..	..	..	..	..	..	..	..	..	..
	Ditto	ditto	..	..	before	3-11	..	209	..	..	..	..	..	..	..	..	..	..
	Ditto	ditto	..	..	..	..	..	300	..	..	..	..	..	..	..	..	..	..
	Ditto	ditto	..	..	..	..	..	395	..	..	..	..	..	..	..	..	..	..
328	Highfields	1. Highfields	..	..	before	10-12	..	509	..	..	..	..	..	..	..	..	..	..
	Ditto	ditto	..	..	..	12-12	..	480	..	..	..	..	..	..	..	..	..	..
	Ditto	ditto	22 54 10	143 15 50	5-9-13	1-10-13	..	385	310	..	..	..	..	..	..	..	..	..
	Ditto	4. ditto J. D. Shennan & Co.	22 58 20	143 19 40	10-13	10-13	..	575	..	..	..	..	..	..	..	..	..	..
	Ditto	5. Newlands	..	..	18-5-14	10-2-15	..	3,001	..	..	900,000	..	..	..	58	59	..	..
329	Hollymount Lease	Hollymount, Vickery and Sons	28 5 15	149 9 20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
330	Homebush Lease	1. Homebush, W. R. Munro	27 23 0	147 39 0	3-01	02	..	2,568	..	132	900,000	..	..	..	4	28	..	..
	Ditto	ditto	..	..	before	2-11	..	2,322	..	..	2,500,000	..	..	..	5	..	..	..
331	Homebush	Homebush, M. Ryan	South of Blackall	Blackall	09	11	..	3,304	..	..	700,000	..	..	..	..	..	..	..

TABLE OF PRIVATE BORES—continued.

Reference No.	Locality, Lease, Parish, Town, or District.	Local Name of Bore and Name of Owner. <small>(For additional Data, if any, refer to Notes at the end of this Table.)</small>	Latitude South.	Longitude East.	DATES.		Surface of Ground above Mean Sea Level, in Feet.	Total Depth of Bore, in Feet.	Depth to Principal Bed, Feet below Surface.	Temperature of Water, Fahrenheit Degrees.	ARTESIAN.		SUB-ARTESIAN.				Section of Strata, &c.	Chemical Analysis.	
					Comme- ment of Work.	Com- pletion of Work.					Continuous Daily Flow in Gallons when Uncontrolled.	Static Head above Surface of Ground, in Feet.	Depth of Water Level below Surface, in Feet.	Volume Pumped or Available Daily, in Gallons.	Contractor.	Head Driller.			
1						6	7	8	9	10	11	12	13	14	15	16	17	18	19
350	Lake Dunn Lease	Lake Dunn (old), Tamblyn and Ditto ditto ditto [Briggs] Ditto ditto ditto [E. G. Farnell]	22° 40' 25" 22 31 20 22 28 15 22 45 40	145° 37' 30" 145 36 0 145 38 40 145 35 0	6-97 20-8-13 before	6-97 16-9-13 9-13 7-11	30 351 480 400	30 333 372	30 333 372	..	..	..	..	1	4,500	..	..	..	brackish
351	Lake Nash Lease	Q. N. Bank Muddy Creek ditto Ditto ditto Ditto ditto Ditto ditto Ditto ditto	20 54 30	138 4 0	16-2-03	7-3-03	550 196 302 274 252 623 142	..	..	..	..	..	..	?	72,000 60,000 72,000 57,000 57,000 57,000 57,000	11 11 11 11 11 11 11	..	..	..
352	Lammermoor and Oakley	(Abandoned), H. A. Coldham Roy's Camp ditto Warreah ditto Montgonerie ditto Pandorah G.F. 882, G.F. 1206 G.F. 1053	21 7 10 21 7 10 21 1 50 20 55 48 21 1 50	144 42 15 144 42 15 144 50 40 144 48 55 144 50 40	11-88 4-90 8-90 1-91 ..	5-89 8-90 12-90 7-91 11-95	720 820 624 1,170 1,920	dry a b b	96	..	..	..	..	?	70,000 S 70,000 S 70,000 S 70,000	..	..	117 119 118	..
353	Landsborough Downs	Theresa Downs, E. Coxon Wincmill, G. Smith Antwin ditto A. Foyie ditto Homestead ditto	21 27 25 21 34 50 21 35 50 21 35 50 21 30 20	144 22 50 144 21 35 144 25 15 144 25 15 144 25 0	.. 08 26-2-07 8-12 8-13 27-11-13	3-93 8-90 10-9-07 10-8-13 13-10-13 5-14	2,083 1,920 2,066 1,440 1,275 1,945	a b c d e	over 99 over 99 120.5 95	..	..	346,500 1,760	..	..	15,000 25,000 .. W good W good W good W good	15 15 15 75 75 75 75 134	..	..	good good good good
354	Lansdowne Lease	Toolmaree, Lansdown Past. Narambla ditto [Co.] Downfall ditto F. For. 2 ditto Tarrina Well, W. H. Hobbs	25 14 40 25 4 0 25 4 0 25 22 10 25 2 15 not located	146 16 50 146 11 5 146 18 45 146 9 25 146 17 25	10-88 11-89 10-93 10 12-12 before	8-12 2-92 1-96 13 3-15 9-15	1,390 3,005 3,529 3,578 4,013 80	3,864 2,900 3,515 3,335 ? 80	127 132	..	185,000 88,000 163,500 240,000 129,000	..	30 see notes	..	..	11 6 6 11 11 ..	..	..	384
355	Ierida Lease	Burnvale, W. R. Anderson Grenullin, White and Co. Wincradene No. 1 ditto Kennedy Yards ditto Walla (Abandoned) Woolshed ditto Sampson Creek ditto Scrubby Creek ditto Fields of Mars ditto Dry Paddock ditto Moira ditto Superior ditto Joamere ditto Winderadene No. 2 ditto No. 2 Paddock No. 1ditto	21 52 15 22 10 18 22 8 10 22 8 25 22 6 0 22 2 45 22 3 15 22 1 59 0 21 59 0 22 1 20 22 2 25 22 5 50 22 11 20 22 12 40 22 12 40 22 10 40	143 56 0 144 3 0 143 54 5 143 56 45 143 57 30 143 57 40 143 54 20 144 5 0 144 5 0 144 0 35 144 0 30 143 52 35 143 52 25 143 59 45 143 56 10 144 6 25	9-97 12-7-98 10 10 12 .. 2-11 8-11 10-11 10-11 12 12 8-12 8-12 12 12	16-7-98 3-3-00 10-10 11-10 7-12 1-11 6-11 9-11 11-11 12-11 3-12 4-12 9-12 11-12 12-12	3,511 3,500 285 272 461 320 400 460 450 424 283 324 290 253 292	c b	3,429 3,400 270 385 290 90 300 220 130 240 310 270 200 274	139 81	..	ceased ceased	..	27 15 100 60 100 140 90 100 90 65 100 100 120 90	O.W W W W W W W W W W W W W W W	11 11 114 114 6 6 6 6 6 6 6 6 6 6 6 6 6	..	..	good fair fair very salt fair fair brackish fair fair very salt fair brackish brackish brackish fresh

TABLE OF PRIVATE BORES—continued.

Reference No.	Locality, Lease, Parish, Town, or District.	Local Name of Bore and Name of Owner. (For additional Data, if any, refer to Notes at the end of this Table.)	DATES.		Longitude East.	Latitude South.	Surface of Ground above Mean Sea Level, in Feet.	Total Depth of Bore, in Feet.	Depth to Principal Water Bed, below Surface.	Temperature of Water, Fahrenheit Degrees.	ARTESIAN.		SUB ARTESIAN.		REFERENCE NO. TO—			
			Commencement of Work.	Completion of Work.							Continuous Daily Flow in Gallons when Uncontrolled.	Static Head above Surface of Ground, in Feet.	Depth of Water Level below Surface, in Feet.	Volume Pumped or Available Daily, in Gallons.	Contractor.	Head Driller.	Section of Strata, &c.	Chemical Analysis.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
360	Longreach Environs	1. Rosedale	23° 20' 25"	144° 3' 10"	before	6-09	654	300	..	..	..	..	..	? P	77	..	..	290
contd.	Ditto	2. ditto	23 20 10	144 6 30	..	6-09	L 630	405	..	..	..	..	150	W 18,000	..	..	..	fresh
	Ditto	3. ditto	23 20 10	144 6 30	..	9-09	L 670	545	..	..	..	..	160	W 20,000	..	..	..	inferior
	Ditto	4. Dabra Por. 13v. D. G. Peel	23 33 15	144 15 30	..	1-11	L 629	550	dry	..	..	..	29	W 12,000	..	..	..	..
	Ditto	2A. ditto (abandoned)	15 M. from Longreach	..	..	10-09	L 660	350	..	..	..	..	..	W 6,500	..	..	..	..
	Ditto	Mañala, G.H. 181. McDonald	..	..	..	9-12	..	105	..	..	..	..	..	..	..	..	..	..
	Ditto	Vergemont, T. Willett	..	..	..	P 9-13	..	..	..	..	..	..	..	..	..	..	..	..
	Ditto	Edwinstowe	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
361	Lucknow Lease	1. Lucknow No. 2, Lucknow	22 41 10	141 1 0	30-8-95	23-10-95	L 654	1,411	..	? 121	151,000	see notes	21	S large	11	..	12	10
	Ditto	2. Lucknow No. 3, Past. Co.	22 47 5	141 6 5	20-11-99	4-7-00	L 630	1,571	1,400	..	ceased	..	19	S.W large	41	..	259	good
	Ditto	3. Locharach No. 4, ditto	22 49 50	140 58 25	6-07	9-10-07	L 629	1,358	a 1,358	warm	ceased	..	19	S.W large	41	..	260	good
	Ditto	4. ditto	23 6 25	140 50 15	11-07	25-3-08	L 660	1,286	f 1,192	? 122.5	ceased	..	19	S.W large	41	..	261	good
	Ditto	5. ditto	23 1 5	140 53 45	..	..	..	1,307	f 1,307	..	..	..	..	..	41	..	262	good
	Ditto	6. ditto	22 43 30	141 13 0	09	1-11-09	L 591	1,333	h 1,333	131	450,800	70 to 73.5	..	..	41	..	263	good
	Ditto	7. ditto	22 49 25	141 20 20	31-3-10	21-11-10	L 545	1,837	e 1,804	146	577,700	116 to 122	..	..	41	..	264	good
	Ditto	8. Kunlara	22 55 0	141 10 20	1-11	30-8-11	L 639	1,734	d 1,734	137	274,200	23 to 23	..	..	41	..	265	good
	Ditto	9. Lic. 118	22 53 0	141 1 45	3-4-13	18-9-13	L 618	1,533	f 1,230	122	346,500	34 to 35	..	..	41	..	..	..
	Ditto	9A. (abandoned)	22 53 0	140 59 0	before	..	..	1,45	..	..	..	..	..	..	63	..	..	..
	Ditto	10. Station	22 43 50	140 56 30	29-10-13	23-1-14	E 609	1,165	..	111	257,000	..	..	..	..	..	..	..
	Ditto	11. Lic. 210	23 2 30	140 46 50	24-3-14	9-7-14	L 659	1,175	0 1,000	..	..	..	25	large	168	..	..	..
	Ditto	12. Lic. 258	23 9 35	140 44 15	21-9-14	10-12-14	..	1,233	1,087	..	..	..	31	..	168	..	..	..
	Ditto	13. Lic. 302	22 51 40	141 16 30	16-8-15	13-5-16	..	1,772	..	..	303,000	..	..	..	168	..	..	..
	Ditto	Polygannon	22 32 85	141 8 30	..	..	..	1,352	a 1,070	..	..	..	57	large	41	..	..	..
	Ditto	1. Montrose Sel. T. Dunlop	22 21 50	141 10 25	22-2-15	P 15	L 741	60	..	..	..	..	..	..	123	..	..	..
	Ditto	1A. ditto	22 21 50	141 10 25	1-15	2-15	L 741	165	(abandoned)	..	..	..	..	..	123	..	..	..
362	Luesvale Holding	1. Abbieglassie, H. C. E.	27 11 35	147 44 20	6-09	1-10	L 1,044	2,600	..	129	384,000	..	..	..	5	..	..	..
	Ditto	2. ditto	27 18 20	147 40 40	24-3-14	2-15	L 1,048	3,020	..	131	192,000	..	..	..	64	..	..	..
363	Mackay	Gasworks	21 10 0	149 15 0	? 92	? 92	? 14	32	..	..	..	..	..	300,000	..	..	..	..
	Ditto	Farleigh's Mill	..	..	06	6-06	..	58	a 58	..	..	..	..	large	..	..	..	..
364	Malvern Hills Lease	Gowan, Malvern Hills Past. Co.	24 32 30	144 54 55	1-7-90	10-5-94	? 1,020	3,942	c 3,500	190	245,800	..	58	7,000	19	..	..	..
	Ditto	Malvern South ditto	24 30 50	144 58 15	1-3-13	25-2-15	..	4,508	3,800	..	..	..	..	..	11	..	..	..
	Ditto	Springfield, S. Hart	24 21 25	144 45 45	..	..	..	600	a 200	..	..	..	..	W very small	188	..	..	..
	Ditto	1. Springfield, J. H. Hart	24 33 0	144 42 45	..	..	..	700	a 200	..	..	..	..	W very small	188	..	..	..
	Ditto	2. ditto	24 31 25	144 40 35	..	..	..	600	a 200	..	..	..	..	W very small	188	..	..	..
	Ditto	Ridout	24 26 15	144 46 25	..	..	..	1,400	b 1,344	..	..	..	43	20,000	164	..	..	..
365	Maneroo	1. Aust. M.L.F. Co. Ltd.	23 19 40	143 52 45	09	09	..	330	..	..	..	..	..	15,000	..	..	..	..
	Ditto	2. ditto	23 20 35	143 51 45	09	09	..	400	..	..	..	..	..	30,000	..	..	..	..
	Ditto	3. ditto	23 23 30	143 53 25	09	09	..	410	..	..	..	..	..	9,000	..	..	..	..
	Ditto	4. ditto	23 22 25	143 47 0	09	09	..	495	..	..	..	..	..	20,000	..	..	..	..
	Ditto	5. ditto	23 22 15	143 44 30	10	10	..	495	..	..	..	..	..	..	..	..	..	..
	Ditto	6. ditto	23 28 35	143 32 50	..	..	..	410	..	..	..	..	..	..	..	..	..	..
	Ditto	7. ditto	23 27 25	143 34 15	..	..	..	503	..	..	..	..	..	..	..	..	..	..
	Ditto	8. ditto	23 29 50	143 47 5	..	..	..	412	..	..	..	..	..	..	..	..	..	..
366	Manfred Downs Lease	1. Windmill, Manfred Downs	20 14 50	141 44 35	88	88	438	165	several	87	510	5.5	..	..	..	..	80	63
	Ditto	2. ditto	20 19 25	141 45 0	6-99	6-99	420	680	a 10	..	small flow	nil	..	..	..	..	..	..
	Ditto	2B. The Springs ditto	20 19 45	141 45 30	84	84	398	130	? 50	81	2,000	..	..	..	..	..	..	62
	Ditto	3. Stud Paddock ditto	20 13 35	141 46 40	84	84	L 430	128	b 80	84	C 800	3.2 to 18.4	..	..	..	..	..	68
	Ditto	4. Ruthven	20 14 10	141 46 40	86	86	84	trickle

TABLE OF PRIVATE BORES—continued.

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					Commencement of Work.	Completion of Work.					Continuous Daily Flow in Gallons when Uncontrolled.	Static Head above Surface of Ground, in Feet.	Depth of Water Level below Surface, in Feet.	Volume Pumped or Available Daily, in Gallons.	Contractor.	Head Driller.	Section of Strata, &c.	Chemical Analysis.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
366	Manfred Downs Lease	5. Several trial holes ditto	20° 11' 30"	141° 42' 25"	(abandoned)	87	? 420	each 100	a 170.	..	..	..	70	small	..	..	..	brackish
366	Ditto	5A. Black Gin ditto	20 15 10	141 44 35	(abandoned)	87	438	D 203	b 208	94	C ?	0 to 11.5	18	small	..	..	81	69
366	Ditto	6. Garden ditto	20 18 40	141 46 30	4-86	87	430	D 86	several	84	C	0 to 22	..	..	..	..	..	64
366	Ditto	7. Boonoke ditto	20 22 40	141 48 45	2-90	89	L 446	D 780	b 602	108.5	C ?	14 to 78.4	..	..	..	..	84	67
366	Ditto	10A. Plugged Bore ditto	20 30 10	141 53 45	17-3-90	89	L 441	733	b 655	114	..	see notes	..	..	..	..	86	..
366	Ditto	11. Pennsylvania, Laverack ditto	20 30 20	141 44 25	(abandoned)	89	L 405	690	a 670	110.5	..	see notes	..	..	..	..	86	..
366	Ditto	12. Binnun, A. Cortes ditto	20 15 40	141 43 10	12-10-91	91	L 399	1,100	b 700	113	..	..	..	..	..	..	89	..
366	Ditto	13. Whitewood, Payne ditto	20 15 45	141 47 0	1-2-99	91	L 458	1,086	b 700	113	..	..	..	..	..	..	89	..
366	Ditto	14. Brie-brie, F. V. Quarrell ditto	20 12 30	141 42 35	26-4-99	99	L 392	700	b 450	107	..	0 to 21	..	..	..	..	..	..
366	Ditto	15. Woolshed, Laverack ditto	20 12 35	141 42 45	12-6-99	99	L 392	650	b 650	107	..	..	..	..	..	..	..	..
366	Ditto	20. The Duffer No. 1, Barton ditto	20 26 45	141 56 20	12-8-99	99	L 453	1,008	b 966	115.5	..	..	..	..	6	..	..	..
366	Ditto	21. Blue Lagoon, H. E. Quarrell ditto	20 21 45	141 52 0	28-10-99	99	L 407	835	c 835	108	..	..	..	..	..	..	..	..
366	Ditto	23. Prickly Bush, T. W. Shaw ditto	20 21 45	141 52 0	28-10-99	99	L 407	835	c 835	108	..	..	..	..	..	..	..	..
367	Manfred Downs Resump...	8. Lara, Quarrell, and Co. ditto	20 2 20	141 82 55	(abandoned)	1-88	355	55	several	86	flow of mud	25 to 59	82	65
367	Ditto	8A. Lara ditto	20 10 35	141 37 0	..	1-88	? 455	288	c 95	..	C ?	5,000	..	..	..	..	..	..
367	Ditto	May Downs, A. C. Groom ditto	20 0 0	141 23 55	10-1-15	(abandoned)	..	1,100	980	..	?	1,750,000	..	..	116	139	..	..
368	Manfred Downs Resump...	Oxton Downs (15) Katnock ditto	20 33 10	141 55 40	8-90	1-91	L 463	11,076	c 1,080	129	..	see notes	..	..	? 12	..	..	..
368	Ditto	..	20 38 5	141 59 40	8-91	9-91	L 500	390	a 853	119	..	see notes	..	..	? 12	..	..	..
369	Manningham	..	..	..	..	3-09	..	400	..	..	..	..	..	..	..	..	..	..
369	Ditto	..	..	..	..	11-10	..	500	..	..	..	..	..	..	..	..	..	..
369	Ditto	..	..	..	..	12-10	..	510	..	..	..	..	..	..	..	..	..	..
369	Ditto	..	..	..	..	1-11	..	508	..	..	..	..	..	..	..	..	..	..
369	Ditto	..	..	..	..	6-11	..	400	..	..	..	..	..	..	..	..	..	..
370	Manuka Lease	1. Deep, Aus. Est. L. Mort, Ag. ditto	21 42 40	143 20 15	8-86	4-98	L 901	4,309	c	abt. 180	ceased	..	..	..	34	..	..	..
370	Ditto	2. Homestead ditto	21 44 55	143 18 50	2-99	1-6-01	L 787	4,100	..	180	..	..	..	..	11	..	..	..
370	Ditto	3. Sledmere ditto	21 43 45	143 25 0	07	16-3-07	L 784	242	b 137	83	..	..	..	..	11	..	..	..
370	Ditto	4. Sledmere ditto	21 46 35	143 28 10	07	11-5-07	L 784	203	b 200	82	..	..	..	..	11	..	..	..
370	Ditto	5. Clie ditto	21 47 30	143 18 0	7-07	17-8-07	L 833	228	b 203	..	..	..	..	..	11	..	..	..
370	Ditto	6. Railway ditto	21 41 20	143 24 20	07	15-10-07	L 810	225	b 140	83	..	..	..	..	11	..	..	..
370	Ditto	7. Meadow ditto	21 46 30	143 21 35	09	10-09	L 793	275	b 148	80	..	..	..	..	11	..	..	..
370	Ditto	8. Beaulieu ditto	21 46 25	143 31 25	09	11-09	L 814	173	b 148	80	..	..	..	..	6	..	..	..
370	Ditto	9. Rabbit Board ditto	21 39 0	143 35 0	11-09	12-09	L 810	217	b 189	82	..	..	..	..	6	..	..	..
370	Ditto	10. Hera, G. Harris ditto	21 39 35	143 28 0	12	4-12	L 833	300	b 280	84	..	..	..	..	6	..	..	..
370	Ditto	11. Eight Mile, Aus. Est. L. Mort, Ag. ditto	21 48 55	143 24 35	12	5-12	L 755	245	b 230	86	..	..	..	..	121	..	..	..
370	Ditto	12. Lo ditto	21 43 30	143 37 45	12	12-12	L 812	305	b 315	84	..	..	..	..	121	..	..	..
370	Ditto	13. Mentone, W. D. Whitehead ditto	21 41 0	143 36 15	13	1-13	L 937	327	b 490	81	..	..	..	..	121	..	..	..
370	Ditto	14. Douglas Creek, Aus. Est. L. Mort, Ag. Co. ditto	21 48 20	143 84 20	6-4-15	18-5-15	L 863	497	b 490	..	..	..	..	..	121	..	..	..

TABLE OF PRIVATE BORES—continued.

Reference No.	Locality, Lease, Parish, Town, or District.	Local Name of Bore and Name of Owner. (For additional Data, refer to Notes at the end of this Table.)	Latitude South.	Longitude East.	DATES.		Surface of Ground above Mean Sea Level, in Feet.	Total Depth in Feet.	Depth to Principal Bed, below Surface.	Temperature of Water, Fahrenheit Degrees.	ARTESIAN.		SUB-ARTESIAN.			REFERENCE NO TO—		
					Commencement of Work.	Completion of Work.					Continuous Daily flow in Gallons when uncontrolled.	Static Head above Surface of Ground, in Feet.	Depth of Water Level below Surface, in Feet.	Volume Pumped or Available Daily, in Gallons.	Contractor.		Head Driller.	Section of Strata, etc.	Chemical Analysis.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
371	Manuka Resumption	1. Malboona, Edkins, Campbell, Sand Co.	21° 52' 50"	143° 37' 55"	18-2-99	7-6-00	L 922	4,032	b 3,700	145	ceased	..	45	O W 23,000	137	25	..	good
	Ditto	2. ditto	21 58 30	143 37 40	1-7-10	14-7-10	L 868	305	250	85	..	..	100	5,000	114	153	..	brackish
	Ditto	3. ditto	22 1 20	143 40 25	13-4-11	18-5-11	L 958	430	420	83	..	..	140	15,000	6	98	..	fresh
	Ditto	4. ditto	22 5 45	143 42 20	20-5-11	25-6-11	L 950	400	380	86	..	..	174	9,600	6	98	..	fresh
	Ditto	5. ditto	22 2 45	143 42 40	28-6-11	9-8-11	L 948	410	390	80	..	..	169	15,000	6	98	..	fresh
	Ditto	6. ditto	22 4 50	143 39 25	16-8-11	5-10-11	L 910	350	290	87	..	..	180	6,000	6	98	..	fair
	Ditto	7. ditto	21 53 35	143 36 0	10-10-11	20-12-11	L 868	280	200	84	..	..	89	10,000	6	98	..	brackish
	Ditto	8. ditto	21 56 0	143 40 0	16-1-12	20-3-12	L 864	435	350	88	..	..	170	5,400	6	98	..	fair
	Ditto	9. ditto	21 54 25	143 33 0	1-4-12	26-5-12	L 864	273	250	108	..	..	130	5,000	6	98	..	brackish
	Ditto	10. ditto	21 55 30	143 39 15	11-14	12-14	L 985	400	..	..	..	..	153	..	6	154	..	brackish
	Ditto	11. ditto	21 55 40	143 38 30	17-5-15	P 6-15	L 913	..	..	..	..	..	..	..	6	154	..	fair
	Ditto	1. Weeba, G. A. Patterson	21 53 15	143 23 15	5-15	P 6-15	L 743	..	..	85	..	..	..	..	6	235	..	brackish
	Ditto	2. ditto	21 54 20	143 27 15	before	12-14	L 771	..	..	..	..	..	..	..	..	..	..	brackish
	Ditto	1. Knapdale, Douglas Bros.	21 53 ..	143 17 ..	..	..	..	380	380	..	..	..	..	..	..	..	..	brackish
	Ditto	2. G.F. 96 (Well) ditto	21 53 ..	143 17 ..	..	..	..	..	..	..	..	..	..	..	..	..	..	brackish
372	Maranoa Downs	..	near	Woodlands	before	8-09	..	? 2,000	..	..	635,000	..	..	..	..	..	..	294
373	Marathon Lease	1. Sloan Creek, N.Z. Aus. L. Co.	20 55 10	143 33 50	8-91	29-9-06	L 800	D1,471	a 1,442	107	492,000	..	..	..	38	..	..	good
	Ditto Resumption	2. Bloomfield, F.M. Farmilo	21 3 20	143 24 0	1-92	4-92	L 811	1,497	2,340	128	79,000	..	..	..	38	..	..	good
	Ditto Lease	3. Nancol Downs, N.Z. and Aus.	21 8 25	143 34 45	5-93	8-93	L 900	D2,340	b 2,340	110	..	..	33	W large	38	..	..	good
	Ditto	4. Xetra ditto [Land Co.]	20 45 0	143 35 0	5-93	6-93	L 808	D1,714	b 570	98	151,700	..	..	..	38	..	..	good
	Ditto	5. Woolshed ditto	20 51 25	143 36 20	8-93	2-02	L 808	D1,300	b 1,050	..	..	..	..	..	38	..	..	good
	Ditto Resumption	6. Glenalvon, J. F. O'Neill	20 53 20	143 21 0	2-94	2-00	L 832	D1,719	b 1,460	? 100	142,000	..	..	..	38	..	..	good
	Ditto Lease	7. Windmill, H. R. Murray	21 3 40	143 30 45	6-96	4-96	L 854	D2,282	b 1,650	? 120	..	..	..	..	38	..	..	good
	Ditto Resumption	8. Cowley's, N.Z. and Aust.	21 1 40	143 30 45	6-97	12-97	L 882	2,029	b 1,870	108	..	..	..	..	..	..	..	corros'e
	Ditto Lease	9. A Walker's Creek ditto	20 52 40	143 41 10	..	9-10	L 871	1,387	b 1,180	108	252,580	..	..	..	72	146	..	corros'e
	Ditto	10. ditto	20 53 0	143 41 20	..	10	L 875	1,480	f 1,310	109	..	..	..	..	..	..	..	corros'e
	Ditto	11. ditto	20 57 40	143 24 15	..	01	L 840	1,800	..	..	107,000	..	..	..	..	..	..	corros'e
	Ditto	12. ditto	21 6 30	143 32 0	..	10	L 927	2,242	..	..	..	..	..	..	..	..	..	good
	Ditto	13. ditto	20 56 25	143 43 40	..	09	L 895	1,597	1,115	104	157,800	..	..	..	91	146	..	good
	Ditto	14. ditto	20 59 45	143 32 5	..	14-4-14	L 876	2,066	1,880	118	..	..	..	..	72	146	..	good
	Ditto	15. ditto	21 5 0	143 28 25	..	16-7-14	L 856	2,105	1,980	118	49,500	..	..	..	91	118	..	good
	Ditto	16. ditto	20 55 35	143 30 10	11-8-14	13-10-14	L 899	1,689	1,447	109	607,250	..	..	..	91	118	..	good
	Ditto	17. ditto	21 5 0	143 34 25	12-11-14	20-3-15	L 863	2,046	d 1,860	114	156,450	..	..	..	91	118	..	good
	Ditto Resumption	Hill View, A. J. Hutson	20 44 30	143 37 25	11-12-14	23-2-15	L 809	1,086	b 1,019	104	825,500	..	..	..	87	246	..	good
	Ditto	Clare Valley, Mackay	20 55 20	143 25 0	8-6-15	4-16	L 807	1,880	b 1,780	..	..	..	..	..	..	..	..	good
374	Marathon Resumption	1. Essex Downs, G. Baldie	20 58 30	143 9 0	..	21-1-98	L 723	1,800	..	118	660,000	..	..	..	38	56	..	good
	Ditto	2. ditto	20 53 0	143 9 0	..	06	L 759	D2,585	..	113	369,000	..	..	..	..	..	..	good
	Ditto	1. Vernon Downs, M. M. Carter	20 47 15	143 4 20	..	96	L 807	D2,000	..	..	175,000	..	..	..	38	..	..	good
	Ditto	2. ditto	20 47 15	143 4 20	..	96	L 807	1,571	1,534	..	603,000	..	..	..	..	..	..	? cor.
	Ditto	Brucevale, C. R. Murray	20 52 10	143 18 10	..	10	L 807	1,747	..	111	270,400	..	..	..	91	..	..	good
	Ditto	1. Moselle Downs, H. R. Murray	21 2 35	143 15 30	..	..	L 830	2,800	2,500	..	54,700	..	..	..	80	..	..	good
	Ditto	2. ditto	21 4 10	143 13 0	..	..	L 820	3,000	? 2,317	..	156,450	..	..	..	80	..	..	good
	Ditto	1. Essex Downs, G. Baldie	21 8 0	143 2 20	..	..	L 727	2,459	1,900	..	900,000	..	..	..	..	..	..	good
	Ditto	2. ditto	21 5 15	143 8 0	15-10-98	30-12-98	L 751	2,750	b 1,900	..	1,750,000	..	..	..	..	..	..	good
	Ditto	For. 202, E. H. Lascelles	20 50 45	143 35 45	..	..	L 751	983	b 856	..	136,000	..	..	..	72	119	..	good
	Ditto	Bellevue, E. C. Sturtridge	21 7 20	143 22 5	11-2-15	28-7-15	L 751	1,500	140	162	..	good

TABLE OF PRIVATE BORES—continued.

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					Commencement of Work.	Completion of Work.					Continuous Daily Flow in Gallons when Uncontrolled.	Static Head above Surface of Ground, in Feet.	Depth of Water Level below Surface, in Feet.	Volume Pumped or Available Daily, in Gallons.	Contractor.	Head Driller.	Section of Strata, &c.	Chemical Analysis.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
375	Marion Downs Lease	1A. Hilary Mackinnon Bros. 1B. ditto 1C. ditto 2. Kasouka 3. Watchie No. 11 Gidya Creek Herbert Downs Lease	23° 30' 30"	139° 22' 0"	(abt'd) 94 94 94 95 30-11-14 before	? ? ? 81-12-14 13-9-12	1,100 800 1,710 514 143 190	? 1,600 345 143	?	45,000 43,000	5,000	158	181	..	salt
376	Maroomba Selection	1. Charlie's Creek, P. Leslie 2. Homestead, W. C. L. Leslie 3. ditto 4. P. Leslie 5. G.F. 1102 ditto 6. ditto 6A. ditto 6B. ditto 7. Inverness, W. C. L. Leslie 8. St. Mungo, P. Leslie	22° 11' 15" 22° 6' 40" 22° 7' 0" 22° 10' 40" 22° 11' 25" 22° 12' 40" 22° 13' 0" 22° 13' 0" 22° 3' 40" 22° 12' 10" 22° 12' 10"	144° 9' 50" 144° 11' 40" 144° 13' 30" 144° 12' 15" 144° 10' 50" 144° 11' 45" 144° 11' 50" 144° 12' 10" 144° 11' 0" 144° 11' 25" 144° 11' 25"	1-11 3-11 (aban'd) (aban'd) 5-11 11-12 11-2-15 30-6-16	L 779 L 763 L 797 L 817	353 400 500 505 602	320 120 356 130 410	.. .. .. 81	..	..	..	125 130 130 136	W 3,000 400 800 1,000 6,000 small soak	114 114 114 114 88	153 153 153 154	..	fair brackish brackish
377	Maxwellton Lease	1. Waratah, N.Z. and Aust. 2. Hong Kong 3. Gordon 4. Blue Bush ditto 5. Blantyre 6. Station 7. Delta 8. Vernon	20° 56' 0" 21° 0' 30" 21° 4' 10" 20° 57' 50" 20° 46' 45" 20° 49' 0" 21° 4' 20" 20° 52' 5"	142° 44' 55" 142° 47' 25" 142° 45' 45" 142° 56' 20" 142° 55' 35" 142° 43' 0" 142° 41' 15" 142° 56' 0"	10-11-91 1-3-92 1-6-92 5-94 26-7-94 28-9-94 24-6-01 1-1-07	L 634 L 605 L 654	D 1,850 1,474 1,590 1,434	.. .. 1,500 1,330	127 119 121 115	506,000 285,840 176,370 300,000	.. .. ..	..	..	..	115 115	109 109	..	good good good
378	Maxwellton Resumption	Wimmera, M. C. Keppell Bundoran, Bundoran Past. Co. Colevaine Stock Route, Carter and G.F. 604, L. Simkin [McVean Roxley G.F. 102, E. Jowett	21° 7' 50" 20° 50' 20" 21° 11' 10" 21° 10' 45" 20° 43' 55"	142° 42' 50" 142° 32' 0" 142° 50' 55" 143° 8' 10" 142° 20' 40"	27-2-99 99 12-09 6-99 7-12	..	2,000 1,800 2,250 2,000 1,538	b 1,950 1,538	..	725,000 900,000 1,750,000 1,725,000 1,670,000	..	..	..	..	11	..	..	good good good good good
379	Merina Station	..	locality	not known	..	12-09	..	115	?	? P large
380	Mexico Lease	Mexico, B. McCabe	23° 53' 40"	146° 9' 0"	20-11-13	P	..	260	150	..	..	..	..	..	93	122	..	salt
381	Millungera Lease	1. Bow-water, Meredith Men- [L [Liz & Co. 2. Broken ditto 3. Blue Bush ditto 4. Sandhurst ditto 5. Gidya Creek, ditto 6. Near Station ditto 7. Growtells ditto 8. Double Swamp ditto 9. Debella ditto 10. Castlemain South ditto 11. Wanger ditto	19° 58' 50" 19° 50' 55" 20° 8' 40" 19° 52' 15" 19° 39' 40" 19° 36' 40" 19° 50' 55" 19° 10' 5" 19° 52' 35" 19° 59' 40" 19° 45' 15" 20° 10' 15"	141° 49' 20" 141° 41' 15" 141° 51' 10" 142° 8' 10" 141° 37' 20" 141° 34' 40" 141° 36' 0" 141° 53' 0" 141° 51' 0" 142° 2' 0" 141° 46' 40" 142° 1' 20"	5-96 3-00 16-2-01 27-7-01 9-11 12 3-12	L 407 L 418 L 474	D 740 868 857 776 1,149 ? 1,000	.. 850 867 900	112 .. 105.5	1,208,000 2,410,000 952,000 625,000 flow	..	see notes	..	..	..	90	..	96 corros. corros.
382	Milo Lease	1. Arnica, Milo, and Wellfort 2. Britomart [Downs Past. Co.	25° 55' 0" 25° 51' 10"	144° 8' 30" 144° 8' 20"	before 95 5-11	3-95 3-14	..	3,411 4,250	50 4,250	..	3865,000	..	18	? P 8,000	2	70	..	good	

TABLE OF PRIVATE BORES—continued.

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					Commencement of Work.	Completion of Work.					Continuous Daily Gallons when Uncontrolled.	Static Head above Surface of Ground, in Feet.	Depth of Water Level below Surface, in Feet.	Volume Pumped or Available Daily, in Gallons.	Contractor.	Head Diller.	Section of Strata, &c.	Chemical Analysis.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
383	Minnie Downs Lease	1. Callaghan's, T. A. Stirton	25° 3' 10"	145° 55' 0"	?	13	L 1,323	180	..	..	..	..	80	W unlimited	6	269	..	good
	Ditto	2. Second Branch ditto	25° 2' 10"	146° 1' 10"	?	13	L 1,410	310	..	..	..	..	104	W 9,600	6	147	..	371
	Ditto	3. No. 2 Jericho ditto	25° 0' 50"	146° 1' 10"	11-5-99	30-4-02	L 1,382	811	c 3,390	..	..	..	120	W 44,000	48	23	..	..
	Ditto	4. Bottle Tree ditto	25° 0' 0"	145° 58' 30"	5-16	5-16	L 1,469	4,040	a 105	..	..	..	69	W 3,500	48	147	..	..
	Ditto	5. Hodinoff's ditto	25° 0' 30"	145° 56' 45"	8-10-07	7-09	L 1,811	4,075	f 3,900	157	348,500	..	200	W 5,800	6	144	..	372
	Ditto	6. Boggy Creek ditto	24° 55' 40"	146° 2' 30"	6-10	?	..	785	567	..	..	..	300	W 4,900	6	..	..	..
	Ditto	7. Kohl's Sel. ditto	24° 56' 20"	145° 59' 0"	10-8-10	7-2-11	..	802	624	..	..	..	110	W good	6	144	..	..
	Ditto	8. Ealpee ditto	25° 3' 20"	145° 51' 15"	25-2-11	4-12	..	930	766	..	..	..	80	W 5,000	6	..	..	..
	Ditto	10. Bullocky ditto	25° 4' 40"	145° 52' 40"	..	..	..	200	..	..	..	..	80	W unlimited	..	269	..	..
	Ditto	11. Four-Mile ditto	25° 7' 40"	145° 49' 5"	18-10-11	13-12-11	..	250	265	..	..	..	140	W unlimited	6	..	..	..
	Ditto	12. Cattle Camp ditto	25° 8' 30"	145° 54' 35"	..	..	..	292	..	..	..	..	200	W 14,000	..	..	..	..
	Ditto	13. Woolga North ditto	25° 9' 0"	145° 58' 45"	..	..	..	426	365	..	..	..	157	W 10,000	..	..	..	brackish
	Ditto	14. Woolga No. 2 ditto	25° 6' 15"	145° 56' 30"	12-12-11	27-1-12	..	306	..	..	..	..	138	W 9,000	..	272	..	..
	Ditto	15. Vaughan's ditto	25° 4' 30"	146° 0' 0"	2-12	12	..	341	..	..	..	..	200	W 9,600	..	..	..	..
	Ditto	16. McGill's ditto	25° 11' 50"	145° 49' 30"	7-11	8-11	L 1,276	354	c 354	..	..	..	75	W unlimited	48	52	..	..
	Allawah Selection	1. Balkie, G. W. B. Hooper	25° 13' 20"	145° 51' 25"	8-11	10-9-11	L 1,255	360	..	..	..	..	75	W unlimited	48	52	..	..
	Ditto	2. The Wall ditto	25° 8' 30"	145° 35' 35"	13-9-11	6-2-12	L 1,237	1,007	a 175	..	..	..	60	W 3,000	48	52	..	..
	Ditto	3. Dry bore, E. W. Hooper	25° 5' 50"	145° 40' 30"	1-3-13	13-10-13	L 1,314	1,807	a 480	..	..	..	190	W 3,800	48	273	..	..
	Ditto	4. Donnelly's ditto	25° 8' 35"	145° 45' 15"	..	..	..	200	b 165	..	..	..	75	W 8,000	48	273	..	..
	Ditto	5. House ditto	25° 16' 30"	145° 55' 30"	4-11-13	3-3-14	L 1,219	542	b 474	..	..	..	98	W 20,000	48	273	..	..
	Ditto	6. Bulburram, G. W. B. Hooper	25° 8' 35"	145° 45' 15"	23-12-13	1-3-16	..	331	c 195	..	..	..	50	W 6,000	48	147	..	..
	Ditto	1. Chirloo Downs, H. Whitfield	26° 28' 35"	148° 2' 25"	1-3-16	24-3-16	..	174	c 135	..	..	..	50	W 14,000	48	147	..	..
	Ditto	2. ditto	26° 28' 30"	148° 2' 40"	09	9-12	L 1,112	640	c 432	..	..	..	at surf.	S large	92	68	..	..
	Ditto	3. ditto	26° 28' 45"	148° 2' 30"	..	..	L 1,118	120	a 80	..	..	..	30	W good	92	68	..	..
	Ditto	4. ditto	26° 28' 45"	148° 4' 40"	..	..	L 1,116	180	a 160	..	..	..	6	W small	92	68	..	..
	Ditto	Bayburn, F. A. Deacon	26° 28' 45"	147° 58' 40"	11-13	12-13	L 1,098	125	b 120	..	..	..	12	W 16,320	92	68	..	..
	Ditto	Dublin Street, F. Clarkson	26° 30' 15"	147° 59' 40"	..	..	..	260	b 235	..	..	..	100	W large	92	221	..	..
	Ditto	Hospital Committee	Town of Mitchell	..	11-13	1-14	L 1,122	128	b 108	..	..	..	12	O good	92	..	..	..
	Ditto	Town, W. Dean	Town of Mitchell	..	..	..	L 1,099	95	d 90	..	..	..	?	..	92	..	..	..
	Ditto	Ditto C. H. Chapman	Town of Mitchell	..	..	..	L 1,113	180	d 160	..	..	..	?	..	92	..	..	..
	Ditto	Ditto H. J. Corbett	..	..	..	..	L 1,102	..	..	..	..	..	?	..	92	..	..	..
	Mitchell Downs	1. P.P.I., Cobbold and O'Brien	26° 30' 20"	147° 56' 40"	..	..	L 1,144	204	184	..	..	..	25	W good	92	..	..	..
	Ditto	2. P.P. 3, ditto	26° 28' 20"	147° 54' 20"	..	..	L 1,137	340	c 320	..	..	..	90	W good	92	..	..	..
	Ditto	3. Por. 1, ditto	26° 24' 20"	147° 52' 20"	..	..	..	500	380	..	..	..	97	W good	92	..	..	..
	Ditto	4. P.P. 3, ditto	26° 27' 30"	147° 55' 10"	..	..	..	180	b 162	..	..	..	25	W good	92	..	..	..
	Ditto	5. P.P. 2, ditto	26° 29' 35"	147° 55' 30"	..	..	L 1,114	302	b 280	..	..	..	18	W good	92	..	..	..
	Ditto	6. Por. 518 ditto	26° 30' 45"	147° 58' 25"	..	..	L 1,151	300	b 280	..	..	..	40	W good	92	..	..	..
	Mona Lease	1. Dunbar, Q. N. Bank	28° 11' 0"	147° 37' 50"	3-94	8-94	570	2,476	2,400	129	V 194,500	116 to 275	..	..	..	7	..	..
	Ditto	2. Whitby ditto	28° 5' 14"	147° 46' 0"	4-6-96	2-97	..	2,800	2,400	136	1,745,000	228 to 847	..	..	..	103	..	..
	Ditto	3. Randwick ditto	27° 52' 2"	147° 43' 10"	7-99	6-00	..	2,778	2,600	134	1,250,800	282 to 330	..	..	..	..	..	..
	Moreton Downs Lease	1. Rocklands No. 1, Quilty & Son	19° 34' 0"	138° 35' 0"	5-06	23-6-06	..	309	b 309	..	..	..	97	? P 43,200	11	..	..	..
	Ditto	2. (abandoned) ditto	..	..	..	13-10-06	..	609	..	..	..	..	..	3,000	11	..	..	..
	Ditto	3. (abandoned) ditto	..	..	..	5-1-07	..	300	..	..	..	..	..	2,500	11	..	..	..
	Ditto	4. ditto	..	..	..	..	..	800	..	..	..	..	..	..	11	..	..	..
	Ditto	5. ditto	480	11
	Ditto	6. ditto	360	11
	Moreton District	Beaudeert (abandoned)	?	..	140	80	good

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Reference No.	Locality, Lease, Parish, Town or District.	Local Name of Bore and Name of Owner. (For additional data, if any, refer to Notes at the end of this Table.)	Latitude South.	Longitude East.	DATES.		Surface of Ground above Mean Sea Level, in Feet.	Total Depth of Bore, in Feet.	Depth to Principal Water Bed, feet below Surface.	Temperature of Water, Fahrenheit, at Depth, in Degrees.	ARTESIAN.		SUB-ARTESIAN.		REFERENCE NO. TO—			
					Commencement of Work.	Completion of Work.					Continuous Daily Flow in Gallons when Uncontrolled.	Static Head above Surface of Ground, in Feet.	Depth of Water Level below Surface, in Feet.	Volume Pumped or Available Daily, in Gallons.	Contractor.	Head Driller.	Section of Strata, etc.	Chemical Analysis.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
388	Moscow Selection	McMaster Bros.	29° 49' 40"	143° 37' 30"	(abandoned)	08	L 772	315	290	..	..	..	114	2,000	6	201	..	..
	Ditto	ditto	22 49 40	143 37 30	(abandoned)	08	L 755	315	290	..	..	..	125	7,000	6	201	..	..
	Ditto	ditto	..	..	..	08	L 755	315	..	..	..	..	..	7,000	6	201	..	..
	Ditto	ditto	..	..	..	08	..	315	..	..	..	..	..	6,000	6	201	..	..
	Ditto	ditto	..	..	..	08	..	315	..	..	..	..	..	4,000	6	201	..	..
	Ditto	ditto	22 47 10	143 42 35	(abandoned)	09	L 743	315	..	..	..	..	70	4,000	6	201	..	..
	Ditto	ditto	22 47 10	143 42 35	"	09	L 744	315	..	..	..	..	71	4,000	6	201	..	..
	Ditto	ditto	22 47 10	143 42 35	"	09	L 746	315	..	..	..	..	73	4,000	6	201	..	..
	Ditto	ditto	22 47 10	143 42 35	"	09	L 746	315	..	..	..	..	..	..	6	65	..	..
	Ditto	ditto	22 40 30	143 40 25	25-6-10	16-8-12	L 857	4,071	3,880	164	18,700	..	..	..	6	65	..	..
	Ditto	ditto	22 34 40	143 40 25	18-5-14	8-7-14	L 873	825	..	..	..	..	152	19,000	6	65	..	..
	Ditto	ditto	22 49 40	143 37 30	9-14	9-14	L 755	630	630	62	..	..	120	28,000	6	65	..	..
	Ditto	ditto	22 47 10	143 42 35	9-14	9-14	L 743	630	..	94	..	..	90	24,000	6	65	..	..
	Ditto	ditto	22 49 5	143 34 15	11-14	12-14	L 778	650	..	88	..	..	140	28,000	6	65	..	..
	Ditto	ditto	..	..	(abandoned)	08	..	300	..	..	..	..	..	..	6	201	..	..
	Ditto	ditto	..	..	before	94	..	417	b	..	..	..	50	..	6	65	..	..
	Ditto	ditto	26 37 0	148 36 0	"	94	..	319	b	..	..	..	40	..	6	65	..	..
	Ditto	ditto	26 45 0	148 34 0	"	07	..	1,632	..	..	..	..	..	..	6	65	..	..
	Ditto	ditto	26 35 40	148 41 40	16-2-16	P	..	3,800	..	..	185,000	..	..	..	92	88	..	..
	Ditto	ditto	..	..	..	5-16	..	948	..	..	20,000	..	..	..	..	..	..	..
	Ditto	ditto	27 3 25	145 14 55	10	11-10	L 961	2,253	..	138	675,200	..	..	..	4	56	..	..
	Ditto	ditto	22 13 40	144 34 40	..	..	L 793	2,320	..	129	308,000	..	..	..	30	40	..	..
	Ditto	ditto	22 26 30	144 23 40	..	..	L 801	3,214	..	149	287,700	..	..	..	11	117	..	..
	Ditto	ditto	22 37 40	144 47 50	7-96	4-6-07	L 886	D2,977	..	133	32,000	..	..	..	11	117	..	..
	Ditto	ditto	22 37 40	144 42 10	7-96	4-10	L 886	D2,977	..	133	32,000	..	..	..	11	117	..	..
	Ditto	ditto	23 34 15	144 49 35	07	9-09	L 821	3,115	..	135	100,000	..	..	..	11	117	..	..
	Ditto	ditto	22 38 35	144 45 10	1-4-12	2-15	L 800	2,757	..	119	322,200	..	..	..	115	109	..	..
	Ditto	ditto	24 37 40	145 59 50	6-14	2-15	L 768	2,897	2,178	..	521,800	..	..	..	11	52	..	..
	Ditto	ditto	24 32 25	146 21 40	24-11-91	27-11-91	L 1,131	..	30	75	400	..	..	..	58	..	..	..
	Ditto	ditto	24 31 55	146 24 15	(abandoned)	90	L 1,351	90	..	..	..	..	..	..	48	..	..	..
	Ditto	ditto	24 31 40	146 25 45	"	90	L 1,351	90	..	..	..	..	..	..	53	..	..	..
	Ditto	ditto	24 31 40	146 31 50	"	90	..	90	..	..	..	..	..	..	53	..	..	..
	Ditto	ditto	24 32 25	146 34 30	90	91	..	80	..	..	..	..	..	..	53	..	..	..
	Ditto	ditto	24 40 30	146 41 40	90	90	..	80	..	..	..	..	..	..	53	..	..	..
	Ditto	ditto	24 32 50	148 17 15	6-95	8-95	..	65	..	..	..	..	..	..	53	..	..	..
	Ditto	ditto	24 49 0	145 57 30	29-6-98	06	L 1,309	3,095	..	..	..	..	..	..	6	19	..	..
	Ditto	ditto	24 43 10	146 1 40	24-7-06	06	L 1,224	D2,300	..	..	..	..	..	..	6	19	..	..
	Ditto	ditto	24 37 0	146 11 20	4-10	10-10	L 1,290	2,019	2,019	warm	545,000	..	..	..	87	55	..	..
	Ditto	ditto	24 32 40	146 23 30	5-10	11-10	L 1,436	900	640	..	..	..	..	..	52	242	..	..
	Ditto	ditto	24 32 30	146 16 0	11-10	1-11	L 1,327	1,786	1,600	warm	435,000	..	..	..	37	55	..	..
	Ditto	ditto	24 33 5	146 15 35	..	..	L 1,327	1,786	..	..	..	..	..	..	37	55	..	..
	Ditto	ditto	24 40 35	146 14 55	12-10	7-11	L 1,328	1,695	..	95	13,130	..	..	..	52	..	..	..
	Ditto	ditto	24 46 30	145 59 45	2-11	10-11	L 1,235	2,216	2,026	110	133,000	..	..	..	87	55	..	..
	Ditto	ditto	24 38 40	148 7 0	22-5-13	10-13	L 1,246	580	778	81	56,000	..	..	..	..	..	..	..
	Ditto	ditto	24 38 20	148 8 20	..	..	L 1,218	779	..	88	202,000	..	..	..	..	..	..	..
	Ditto	ditto	24 22 30	146 22 25	..	..	..	628	381	..	..	..	..	..	..	..	..	..
	Ditto	ditto	24 27 20	146 24 15	..	11	..	242	230	..	..	..	..	..	..	..	..	..
	Ditto	ditto	24 30 25	146 27 10	..	..	..	289	250	..	..	..	..	..	..	..	..	..
	Ditto	ditto	24 31 40	146 32 50	..	12	..	257	400	..	..	..	..	..	..	..	..	..
	Ditto	ditto	24 39 20	146 40 35	..	..	..	746	740	..	..	..	..	..	..	..	..	..
	Ditto	ditto	24 31	146 21 35	..	..	..	422	411	..	..	..	..	..	..	..	..	..

Chemical Analysis: salt brackish, salt, brackish, good, salty fair, brackish fair, good, fresh.

TABLE OF PRIVATE BORES—continued.

Reference No.	Locality, Lease, Parish, Town, or District.	Local Name of Bore and Name of Owner. (For additional Data, if any, refer to Notes at the end of this Table.)	Latitude, South.	Longitude, East.	DATES.		Surface of Ground above Mean Sea Level, in Feet.	Total Depth of Bore, in Feet.	Depth to Principal Water Bed, in Feet, below Surface.	Temperature of Water, Fahrenheit Degrees.	ARTESIAN.		SUB-ARTESIAN.	REFERENCE NO. TO—					
					Commencement of Work.	Completion of Work.					Continuous Daily Flow in Gallons when Uncontrolled.	Static Head above Surface of Ground, in Feet.		Depth of Water Level below Surface, in Feet.	Volume Pumped or Available Daily, in Gallons.	Contractor.	Head Driller.	Section of Strata, &c.	Chemical Analyses.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
404	Murweh Lease Ditto Resumption Ditto Lease Ditto Ditto	1. Pericoota, Macansh Estate 2. Bollean ditto [Ltd.] 3. Woolscour ditto 4. Neville Forest ditto 5. Woolshed ditto	27° 9' 15"	146° 23' 0"	21-2-94 17-3-91 16-10-93 13-7-94 18-4-07	0 0 40 50 0	L 860 L 937 L 813 L 839 L 836	1,800 ? 1,120 1,670 1,780 1,792	no record a 1,780	112.5 104.5 116.2 112 115	V V V V V	797,400 176,400 196,900 371,800 1,151,000	high see notes 25 to 120 see notes	.. .. .. .. ..	.. .. .. .. ..	.. .. .. 4 4	.. .. .. .. ..	.. .. .. .. ..	111 112 113 114
405	Murweh Resumption Ditto Ditto Ditto Ditto Ditto Ditto Ditto	G.F. 3v. Rutherford Kenmore G.F. 294, Bollean Bros. Springfield G.F. 36, G. C. Clark Quilberry, T. E. Stone 1. Brookwood, W. Brookes & Co. 2. ditto ditto 1. Ambo, Winter-irving 2. Woolleigh Creek ditto Weewondilla, Cay and Cox Bergl	26° 53' 50" 26° 57' 20" 26° 58' 50" 27° 2' 45" 22° 31' 45" 22° 31' 0" 22° 45' 30" 22° 38' 40" 22° 41' 45" 22° 41' 45"	146° 10' 50" 146° 15' 20" 146° 3' 10" 146° 2' 25" 144° 18' 25" 144° 27' 25" 144° 20' 50" 144° 22' 45" 144° 25' 40" 144° 25' 40"	30-1-99 14-5-99 8-07 6-08 54 20-1-08 2-99 4-11 12-03 4-10	50 20 3 25 25 25 45 45 40 40	L 954 L 938 L 865 L 830 L 731 L 781 L 768 L 803 L 739	2,198 1,938 1,800 1,925 3,065 2,927 2,780 3,505 3,060 330	c 2,198 c 1,938 c 1,761 c 1,877	111.8 115 114 114 154.5 143.7 149.5 154.5 155	V V V V V V V V V	161,460 202,000 330,000 1,097,600 371,780 321,800 65,800 128,400 478,000	40 to 57 63 to 95 see notes	.. .. .. .. .. .. .. .. .. ..	11 37 20 37 20	.. 25 109 28 ..	.. .. .. .. .. .. .. .. .. ..	.. .. .. .. .. .. .. .. .. ..	good good good good good good good good
406	Nanango District Wooroolin Parish	Coolabunia Farm, G. A. Morris	28° 24'	151° 50'	4-99 5-13	.. ..	.. ..	193 388	a 179	.. ..	.. ..	.. ..	168 288	12,000	88	..	..	..	good
407	Narada Downs Ditto Ditto Ditto Ditto	1. Reserve, Browne Bros. 2. Horse Paddock ditto 3. Bailey S ditto 4. Eastbourne ditto 5. (abandoned) ditto	24° 57' 40" 24° 56' 40" 24° 58' 10" 25° 1' 0"	146° 11' 30" 146° 10' 15" 146° 8' 40" 146° 6' 35"	08 08 6-09 28-10-09 9-1-11 11	30 15 40 35	L 1,357 L 1,362 L 1,378 L 1,376 L 1,407	680 700 958 488 ?	020 dry 958 437 dry	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	160 240 120	7,000 3,000 7,000	44 44 47 48	.. .. 241 237	.. .. .. ..	fair salt fair	
408	Nella Ponds Lease Ditto Ditto Ditto Ditto Resumption	1. Pond No. 3, Barraba Past. Co. 2. ditto ditto 3. ditto ditto 4. Willibah ditto	20° 55' 10" 20° 43' 55" 20° 50' 10" 20° 33' 55"	142° 8' 30" 142° 3' 50" 142° 7' 0" 142° 15' 0"	8-99 12-99 9-00 11-00	30 50 7 0	.. .. .. L 471	1,100 1,300 1,318 1,300	.. 900 1,010 ..	120 121 125 109	1,330,000 990,000 200,000 1,097,000	.. .. .. ..	44 68	24,000 50,000	6 6 36	144 145 146 147	........	........	........
409	Nive Downs Lease Ditto Ditto Ditto Ditto Ditto Ditto Resumption	1. Owens, Scot. Aus. Invest. Co. 2. Ironbarks ditto 3. Pinure ditto 4. Feiorine G.H. 397 ditto Barford, Little and Little	25° 23' 40" 25° 24' 30" 25° 28' 10" 25° 38' 25" 25° 36' 20"	146° 19' 0" 146° 27' 0" 146° 10' 45" 146° 15' 10" 146° 20' 40"	22-9-90 1-1-93 5-10-93 25-1-99 20-1-10 11-11	0 0 45 10 40	L 485 3,710 L 490 L 385 D 2,602 1,489 2,664	2,755 3,710 D 2,602 1,489 2,664	b 1,230 c 2,600 d 1,350 e 2,613	107 107	.. .. .. .. .. .. ..	44 68	24,000 50,000	6 6 36	144 145 146 147	............	............	............	............
410	Yandarlo G.F. 9 Ditto Ditto Ditto G.F. 22	1. House, Tyrewhitt and Co. 2. River Paddock ditto 3. Castle Hill ditto 4. Lower Terringa ditto	25° 9' 33" 25° 8' 30" 25° 6' 35" 25° 6' 30"	146° 30' 40" 146° 30' 50" 146° 25' 15" 146° 21' 40"	1-2-10 23-8-09 28-6-09 8-07	30 5 15 40	L 1,464 L 1,498 L 1,488 L 1,393	844 604 808 301	770 600 800 260	.. .. .. ..	.. .. .. ..	240 100 104 100	W good W 5,500 W 10,000 W 10,000	46 46 46 46	.. .. .. ..	.. .. .. ..	.. .. .. ..	? 304	
411	West Quarter Ditto G.F. 35 Ditto G.F. 35 Chatham G.F. 29	1. Stockade, G. Johnson 2. Amisfield (abandoned) ditto 3. ditto J. W. Vaughan R. S. Lord	25° 4' 35" 25° 6' 0" 25° 4' 30" 25° 16' 40"	146° 28' 25" 146° 25' 10" 146° 26' 10" 146° 25' 10"	10-10 12-10 9-13 9-10	25 10 10 10	L 1,506 L 1,495 760 L 1,412	1,000 760 1,007	650 dry 734 900	.. .. .. ..	.. .. .. ..	300 317 80	small 9,000 good	45 45 99 45	........	........	........	........	........
411	Noordoo and Dareel Group Ditto Dareel Parish Ditto Ditto Noorama Lease Ditto Resumption Noorama or Camden Ditto	Narine, Aust. Past. Co. Dareel ditto Maxland, A. R. Lomax Bulla-warrie, D. Livingstone 1. Ten-Mile, N. Brit. Aus. Co. 2. Homestead ditto [Ltd.] 3. Mitchell Plains, A. Rennett 4. Yarra Yarra, Beardmore and 2. Berl Berl ditto [King]	28° 53' 28° 40' 30" 28° 45' 40" 28° 44' 35" 28° 32' 20" 28° 42' 10" 28° 31' 5" 28° 26' 40" 28° 29' 25"	148° 19' 148° 40' 148° 53' 25" 148° 45' 45" 146° 10' 40" 146° 14' 20" 146° 6' 15" 146° 13' 35" 146° 0' 40"	11-97 7-99 ? 18-5-15 5-5-90 4-3-91 29-5-08 10-12-92 3-99	.. .. .. .. .. .. .. .. ..	3,098 3,586 3,486 3,614 1,502 L 492 L 524 L 531 L 538	c 3,586 3,470	120 120 116 117 115 118	C? 900,000 V 1,169,000 V 900,000 V? 1,115,000 V 371,300 V 229,000 V 94,600 V 908,470 V 809,200	72 to 108 124 to 158 134 to 257 211 to 272.5 218 to 253	.. .. .. .. .. .. .. .. ..	11 11 166	.. .. 240	.. .. ..	.. .. .. .. .. .. .. ..	.. .. .. .. .. .. .. ..	.. .. .. .. .. .. .. ..

TABLE OF PRIVATE BORES—continued.

Reference No.	Locality, Lease, Parish, Town, or District.	Local Name of Bore and Name of Owner. (For additional Data, if any, refer to Notes at the end of this Table.)	DATES.		Longitude East.	Latitude South.	Surface of Ground above Mean Sea Level, in Feet.	Total Depth of Bore, in Feet.	Depth to Principal Water Bed, Feet below Surface.	Temperature of Water, Fahrenheit Degrees.	ARTESIAN.		SUB-ARTESIAN.		REFERENCE NO. TO—			
			Commencement of Work.	Completion of Work.							Continuous Daily Flow in Gallons when Uncontrolled.	Static Head above Surface of Ground, in Feet.	Depth of Water Level below Surface, in Feet.	Volume Pumped or Available Daily, in Gallons.	Contractor.	Head Driller.	Section of Bore, &c.	Chemical Analysis.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
412	Noorindoo Lease	1. Boundary, N. N. Danger	27° 15' 0"	149° 15' 0"	3-01	04	..	3,300	..	125	V	..	? 25	large	4	..	..	..
	Ditto	2. Portion B	27 8 40	149 15 45	2-03	04	..	3,108	..	128	V	..	..	..	165	238	..	..
	Ditto Resumption	3. Por. 10	27 8 40	149 15 45	13	1-14	..	2,100	..	..	V	..	..	..	..	..	..	..
413	Normanton Town	Dalgonally Meat Works	17 38 43	141 43 34	..	(ab'd) 94	sealevel	100	..	..	..	..	..	..	..	..	..	..
414	Northampton Dns. Group	1. Woolseour, Clark, Tait & Co.	24 30 20	145 47 0	11-89	1-6-04	L 1,119	D 1,813	c 1,803	110.5	V	..	..	..	..	17	..	358
	Ditto	2. Station	24 38 0	145 47 0	2-6-02	4-10-02	L 1,068	2,657	e 2,344	128	V	..	..	..	..	..	..	859
	Ditto Resumption	Harden Park, Tieborne	24 20 45	145 45 20	15-12-10	5-4-11	L 1,097	1,800	b 1,450	..	V	..	..	..	37	..	..	..
	Ditto Resumption	Forest Hill, Clark and Tait	25 6 10	145 34 20	5-4-12	7-9-13	L 1,169	3,536	3,450	?	V	..	..	..	53	..	..	..
	Ditto	Lighthouse, G. F. Cullen	24 31 10	145 53 30	20-10-12	13-8-13	L 1,204	2,800	see notes	113	V	..	..	..	37	223	..	..
	Ravensbourne Lease	1. Effra, Northampton Past. Co.	24 43 20	145 38 5	21-7-10	11-5-11	L 1,184	3,123	2,590	116	V	..	..	..	51	53	..	..
	Ditto	2. North Avoca ditto	24 52 0	145 38 40	4-7-11	23-1-12	L 1,118	2,433	c 2,340	? 110	V	..	..	..	51	53	..	..
	Ditto Resumption	3. Moonbong, Clark and Tait	25 1 10	145 41 10	14-9-14	15-6-15	L 1,207	3,310	3,100	..	V	..	..	..	11	194	..	..
	Ditto Lease	4. Enniskillen Range, I.L.C. 226	24 53 30	145 3 0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
415	Nottingham Blocks	1. Nottingham Downs, Coxon	21 20 10	143 30 40	8-1-12	9-11-12	L 958	1,827	1,780	111	..	..	?	fair	6	95	..	..
	Ditto	2. ditto	21 17 45	143 33 15	..	5-15	L 991	2,200	? 1,800	..	..	..	159	..	161	227	..	..
	Ditto	3. G.F. 1177, Coxon	21 12 40	143 31 0	..	..	L 907	..	..	..	..	..	40	..	91	..	..	..
	Ditto	4. F. and F. A. Coxon	21 11 35	143 26 10	7-14	..	L 882	..	..	..	..	..	14	..	91	..	..	..
	Ditto	5. ditto	21 12 35	143 23 20	..	4-15	L 885	1,600	..	..	..	..	79	..	161	228	..	..
416	Oakwood Station	Rich and Co.	25 40 0	146 10 0	before	9-10	..	..	..	..	..	..	..	..	..	..	..	..
	Oakwood Resumption	Oakpark G.F. 73, J. H. Munro	26 1 30	145 59 35	21-4-11	21-10-11	..	1,943	d 1,714	..	..	..	..	..	5	61	303	305
417	Oondooroo Group	1. Lens Downs, Woolscouring Co.	21 58 35	143 11 45	1-00	1-4-01	L 798	3,800	..	161.5	..	..	..	..	..	..	..	..
	Ditto	1A. ditto J. H. Fethersomough	22 17 35	143 31 15	12-14	28-12-14	L 757	411	373	..	..	..	185	12,000	..	..	..	..
	Ditto Lease	2. Violet, Ramsay Bros.	22 17 35	143 31 15	10-11	3-9-12	L 757	3,090	2,900	164.5	V	..	..	..	5	56	..	..
	Ditto	2A. Violet, ditto	22 17 35	143 31 15	15-5-11	10-11	L 757	? 1,350	b 2,900	..	V	..	..	..	..	..	..	..
	Ditto	3. Balgona	22 9 20	143 16 50	15-11-12	3-6-14	L 767	3,837	f 3,750	165	V	..	..	..	5	56	..	..
	Ditto	1. Balgona	22 9 50	143 14 25	05	31-10-05	L 963	325	a 315	..	..	..	?	5,000	6	191	..	..
	Ditto	2. Top Aldingham	22 10 0	143 18 50	06	5-06	L 764	360	a 350	..	..	..	?	4,000	6	161	..	..
	Ditto	3. Loch Fergus	22 13 35	143 19 30	22-5-06	9-6-06	L 675	394	a 280	..	..	..	96	4,000	6	191	..	..
	Ditto	4. Ramath	22 14 20	143 30 35	10-6-06	8-06	L 708	300	..	82	..	..	89	4,000	6	191	..	..
	Ditto	6. (No data)	21 59 50	143 25 15	23-6-06	8-06	L 769	294	..	..	..	..	..	..	6	191	..	..
	Oondooroo Resumption	7. Nesbitt, Shaafe	22 0 10	143 28 55	7-8-06	20-8-06	L 813	?	?	?	..	..	123	4,500	6	191	..	..
	Ditto	8. (see Enryb No. 1)	22 14 40	143 23 10	07	10-07	L 670	255	a 240	82	..	..	?	5,000	..	..	..	..
	Ditto Lease	9. Daintree, Ramsay Bros.	22 11 30	143 9 40	08	2-08	L 735	225	a 210	82	..	..	118	10,000	..	..	..	..
	Ditto	10. Stud Padcock	22 6 45	143 21 50	10	2-10	L 779	331	a 312	..	..	..	90	4,000	..	..	..	..
	Ditto	11. Banana	22 13 0	143 7 15	23-2-12	15-3-12	L 719	356	c 332	82	..	..	70	17,000	189	123	..	..
	Ditto	12. Sandy Creek	22 10 20	143 7 15	19-3-12	4-4-12	L 858	362	c 362	83	..	..	52	20,000	189	123	..	..
	Ditto	13. Home Creek	22 11 30	143 25 15	11-4-12	15-5-12	L 691	527	a 512	83	..	..	90	11,700	189	123	..	..
	Ditto Resumption	14. Elizabeth Creek	22 0 15	143 28 50	3-8-14	23-8-14	L 805	345	b 290	83	..	..	143	10,000	6	..	..	..
	Ditto	1. Enryb	22 0 25	143 32 30	22-8-06	06	L 827	295	..	83	..	..	147	4,000	6	191	..	..
	Ditto	2. ditto	22 1 25	143 35 10	12	12	L 855	434	..	83	..	..	140	17,000	123	..	..	..
	Ditto	3. ditto	21 57 20	143 32 40	12	12	L 829	377	..	82	..	..	124	15,000	123	..	..	..
	Ditto	Wyora, J. B. and N. Surgeon	21 54 15	143 5 25	23-5-99	12-3-00	L 764	3,600	a 3,020	155.5	..	..	..	..	11	..	..	..
	Ditto	1. G.F. 106	21 49 0	143 18 30	09	09	..	244	..	..	..	..	90	4,000	..	..	..	..
	Ditto	2. G.F. 106	21 48 0	143 10 40	09	09	L 768	298	..	..	..	..	150	6,000	..	..	..	..
	Ditto	3. G.F. 119	21 53 35	143 8 50	09	09	..	297	..	..	..	..	150	2,000	..	..	..	..
	Ditto	4. G.F. 57	22 3 20	143 0 15	09	09	..	304	..	..	..	..	181	5,000	..	..	..	..
	Ditto	5. G.F. 106 (a well)	21 52 0	143 13 0	09	09	..	301	..	..	..	..	180	2,200	..	..	..	..

TABLE OF PRIVATE BORES—continued.

Reference No.	Locality, Lease, Parish, Town, or District.	Local Name of Bore and Name of Owner. (For additional Data, if any, refer to Notes at the end of this Table.)	Latitude South.	Longitude East.	DATES.		Surface of Ground above Mean Sea Level, in Feet.	Total Depth of Bore, in Feet.	Depth to Principal Water Bed, Feet below Surface.	Temperature of Water, Fahrenheit Degrees.	ARTESIAN.		SUB-ARTESIAN.				REFERENCE NO. TO—			
					Commencement of Work.	Completion of Work.					Continuous Dally Flow in Gallons when Uncontrolled.	Static Head above Surface of Ground, in Feet.	Depth of Water Level below Surface, in Feet.	Volume Pumped or Available Daily, in Gallons.	Contractor.	Head Driller.	Section of Strata, &c.	Chemical Analysis.		
1			22° 18' 20"	143° 4' 20"	4	5	8	9	10	11	12	13	14	15	16	17	18	19		
417 contd.	Oondooroo Resumption	1. Rangeland, Patterson & Sons ditto ditto ditto ditto	22 15 25 22 12 40 22 17 25 22 16 05	143 0 15 143 6 25 143 2 50	6	7	765 822 852 776 883	450 D1,012 425 400 560	..	82 95 87 92	..	..	..	W small W W W	140 140 140 121 6	166 166 166 153 ..	..	brackish fresh fresh fresh fair
	Ditto	1. Aldingham, J. K. Cudmore and ditto ditto ditto	22 16 0 22 17 10	143 18 10 143 21 0	before before 15-5-12	..	240 330 325 500	..	81 83	..	..	..	5,000 12,000 14,000	141 121	192 153	..	fresh fresh	
	Ditto	5. ditto ditto ditto Well ditto ditto Camarra, A. B. Williams	22 24 5 22 18 20 22 17 40 22 9 30	143 10 35 143 16 15 143 13 40 143 6 40	17-6-12 3-8-14 07 ..	..	410 310 140 408	..	85 87 84	..	..	..	10,000 128 80 100	121 121 123	153 164 174	..	brackish fresh fair fair	
418	Pajingo Lease	1. Paul and Black ditto ditto ditto ditto	20 47 ..	146 10 ..	..	..	..	..	..	..	..	..	water	..	..	..	..	..
419	Pelham Group	1. Kurralong, J. P. Power ditto ditto ditto ditto ditto ditto ditto	19 32 35 19 26 0 19 25 35 19 25 35 19 31 25	142 31 20 142 33 50 142 44 20 142 44 20 142 44 35	7-5-13 9-7-13 6-15 (abandoned) 11-15	..	688 834 791 791 782	625 520 277 270 698	97 94	..	822,800 855,500	..	..	106 114 114 152 203 152 152	114 114 203 203 203	..	corros. corros. good good good	
420	Penola Downs Lease	1. Penola Downs, Law Debenature ditto ditto ditto ditto ditto ditto ditto	21 32 35 21 33 15 21 28 55 21 28 25 21 28 25	141 26 50 141 31 45 141 27 30 141 22 5	1-98 16-9-98 5-13 2-1-13	..	1,688 1,375 1,180 1,142	..	? 108 ? 105	..	ceased ceased .. 2,800	..	83 29 12 2	11 11 116 116	42 161 161	..	good good good good			
421	Portland Downs	1. Portland Dns. Past. Co. ditto ditto ditto ditto ditto ditto ditto	23 58 15 24 2 0	144 36 50 144 20 25	14-6-99 9-09 12-10 2-13 11-16	..	3,280 3,607 4,163 4,307	3,100 .. 4,026	162 .. .. ..	..	240,000 330,000 285,000 275,000	88 to 119	..	26 11 11 11 11	42 .. 195	..	54		
422	Quambeytook Lease	Quambeytook, E. Jowett ditto	21 12 40 21 5 15	142 10 85 142 13 30	2-96 8-12 8-13	..	1,998 1,955	1,700 1,906	189 ..	..	1,670,000 725,000	..	..	11 11	..	92	..	..
423	Redcliffe Lease	1. Upper Walker Creek, H. N. J ditto ditto ditto ditto ditto ditto ditto	21 0 55 20 55 30 21 5 40 21 9 20 20 56 15 20 57 0 20 57 0	144 20 20 144 53 20 144 16 10 144 21 15 144 30 45 144 41 0	1-93 8-00 10-5-02 07 28-8-13 10-12-13 01 2-02	..	3,750 500 2,280 750 1,080	2,520 1,062 608 800	113 .. .. .. .. ..	..	..	..	95 100 189	..	..	115	127	..

TABLE OF PRIVATE BORES—continued.

Reference No.	Locality, Lease, Parish, Town or District.	Local Name of Bore and Name of Owner. (For additional Data, if any, refer to notes at the end of this Table.)	Latitude South.	Longitude East.	DATES.		Surface of Ground above Mean Sea Level, in Feet.	Total Depth of Bore, in Feet.	Depth to Principal Water Bet. Feet below Surface.	Temperature of Water, Fahrenheit Degrees.	ARTESIAN.		SUB-ARTESIAN.		REFERENCE NO. TO—			
					Commencement of Work.	Completion of Work.					Continuous Daily Flow in Gallons when Uncontrolled.	Static Head above Surface of Ground, in Feet.	Depth of Water Level below Surface, in Feet.	Volume Pumped or Available Daily, in Gallons.	Contractor.	Head Driller.	Section of Strata, &c.	Chemical Analysis.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
440	Saxby Downs Resumption	1. Elmore, M. J. Ennis	20° 24' 5"	149° 54' 0"	02	02	L 839	860	..	..	ceased	..	15	P small syphon	72	95	..	good
contd.	Ditto	2. ditto	20 2 40	142 55 0	10	10	L 831	480	..	98	ceased	..	0.8	..	91	51	..	good
	Ditto	3. ditto	20 4 0	142 51 30	25-10-13	27-11-13	L 787	290	..	..	..	..	25	W	6	261	..	good
	Ditto	4. ditto	20 2 35	142 54 0	15	15	L 842	..	..	..	..	..	..	..	..	..	..	..
	Ditto	1. Cudgie ditto	20 6 20	142 52 30	02	02	L 835	860	..	..	ceased	..	42.5	O good	72	95	..	good
	Ditto	2. ditto	20 6 20	142 52 40	15	15	L 835	400	..	..	..	..	42.7	W	6	261	..	good
	Ditto	Yarrabung, W. Ennis	20 17 15	142 47 0	..	..	L 748	..	..	104	..	..	..	..	117	157	..	good
	Ditto	Trivalore, H. R. Bond	20 16 0	142 34 25	..	..	L 635	..	..	104.5	..	..	..	..	130	175	..	good
	Ditto	Por. J. M. Lang	20 4 50	142 25 25	12-9-12	13-7-12	L 847	..	..	..	..	..	..	..	91	51	..	good
	Ditto	Sutherland, A. F. Trotter	20 13 0	142 25 45	15-4-12	16-5-12	..	1,088	c 1,000	102	..	..	..	..	91	51	..	good
441	Sebania Lease	1. Cooma, Manifold Bros. and	21 24 30	143 16 40	..	..	L 851	2,702	a 2,300	? 150	..	..	? 37	W large	11	..	..	corros.
	Ditto	2. ditto	21 33 40	143 15 25	..	..	L 858	D3,252	..	? 170	..	..	19	S.W large	11	..	..	good
	Ditto	3. ditto	21 37 30	142 58 25	5-9-8	10-9-8	L 885	2,941	b 2,900	154	..	..	..	..	11	..	..	..
	Ditto	4. ditto	21 30 30	142 48 50	2-9-9	1-10-9	L 782	3,103	b 2,680	186	..	..	..	..	11	..	..	..
	Ditto	5. Werna, Manifold Bros. and	21 45 20	143 5 25	5-6-01	3-02	L 743	3,186	..	182	..	..	..	..	11	..	..	..
	Ditto	6. Waiora Creek ditto	21 38 25	143 10 35	09	8-09	L 757	3,182	..	150.5	..	..	..	..	11	..	..	..
	Ditto	7. North Creek ditto	21 28 40	143 17 30	4-12	9-13	L 797	4,018	..	147	..	..	..	..	11	..	..	..
	Ditto	8. North Creek ditto	21 30 10	143 5 0	10-13	11-14	L 756	3,346	..	..	..	..	..	..	11	..	..	..
	Ditto	Coolinda, R. E. Balgarnie..	21 52 55	142 51 50	7-8-98	20-1-99	L 655	3,289	c 3,250	162	..	..	..	..	11	..	..	..
	Ditto	Conamore, K. M. S. Moore	21 36 25	143 27 35	31-7-12	25-10-13	L 878	2,396	see notes.	101	..	..	..	..	75	134	..	..
	Ditto	Por. 4. N. L. Tyson	21 48 30	142 58 40	9-9-14	9-9-14	..	364	..	..	..	..	..	..	121	158	..	..
	Ditto	G. H. 317, E. C. H. McMillan	..	..	before ..	10-12	..	316	b 340	..	..	..	..	..	150	163	..	..
	Ditto	2. G. F. 679, J. Houston	..	..	..	10-14	..	424	..	..	..	..	..	..	120	123	..	..
	Ditto	2. G. F. 678 ditto	21 41 0	143 5 0	..	24-11-14	..	414	..	..	..	..	..	..	..	..	..	..
	Ditto	1. Vuna, W. J. Young	21 22 30	143 30 25	08	06	L 868	2,970	..	104	..	..	..	..	9	169	..	..
	Ditto	2. ditto	21 22 35	143 24 40	31-12-12	2-5-13	L 867	1,854	..	114	..	..	..	..	80	169	..	..
	Ditto	3. ditto	21 28 0	143 26 5	28-5-13	11-13	L 866	D2,700	..	90	..	..	..	..	80	169	..	..
442	Springvale Lease	1. Prairie Creek, J. & R. K. Milson	23 32 0	140 29 0	9-97	25-4-99	..	900	..	..	..	..	..	..	39	63	..	..
	Ditto	2. Locharach No. 7 ditto	23 19 20	140 45 50	08	00	L 535	1,400	..	132	..	..	..	..	98	129	..	..
	Ditto	3. Drinan's Gorge No. 1 ditto	23 31 50	140 40 0	07	07	..	1,375	..	180	..	..	..	..	..	..	..	..
	Ditto	4. Eton Vale No. 3 ditto	23 45 0	140 25 0	..	..	..	1,342	..	..	..	..	..	..	..	..	..	..
	Ditto	5. Whistling Duck Ck. ditto	23 13 10	140 53 30	8-08	08	L 555	1,520	..	128	..	..	..	..	63	129	..	..
	Ditto	6. Lic. 208 ditto	23 48 5	140 38 55	1-4-16	5-8-16	..	860	d 830	..	..	..	..	..	182	254	..	..
	Ditto	7. Lic. 207 ditto	23 29 15	140 29 40	..	..	..	..	..	..	..	..	..	..	..	..	..	..
443	St. George District	Cawldi (Narlene G.F.), W. H. Wild Horse Plains..	28 25 0	148 9 0	07	07	..	? 2,740	..	..	..	..	..	..	..	..	..	..
	Ditto	P. P. 80, W. R. Munro	28 4 50	148 41 0	2-07	12-08	L 628	3,024	..	..	..	..	..	..	..	..	..	..
	Ditto	Myall Plains, R. A. Black	28 12 50	148 38 45	2-07	07	L 625	? 3,000	..	..	..	..	..	..	..	..	..	..
	Ditto	Thurragie, W. E. Walmsly	28 5 40	148 47 40	4-08	3-09	L 644	2,988	..	? 130	..	..	..	..	..	..	..	..
444	Strathairn Lease	1. Station, Melbourne Trust Ltd.	..	..	11-07	08	..	? 300	..	..	..	..	..	..	..	..	..	..
	Ditto	2. ditto	..	..	..	12-08	..	400	..	..	..	..	..	..	..	..	..	..
	Ditto	ditto	..	..	..	8-09	..	412	..	..	..	..	..	..	..	..	..	..
	Ditto	ditto	..	..	..	10-09	..	? 480	..	..	..	..	..	..	..	..	..	..
	Ditto	ditto	..	..	..	..	..	? 210	..	..	..	..	..	..	..	..	..	..
	Ditto	1. Manfred, ditto	23 4 0	143 57 40	4-97	5-98	L 795	8,870	..	162	..	..	..	..	90	41	..	..
	Ditto	2. ditto	23 3 50	144 3 20	1-7-12	21-8-12	L 677	504	..	83	..	..	..	..	6	177	..	..
	Ditto	2. ditto	23 3 40	144 3 35	15-7-13	23-8-13	L 708	? 670	..	84	..	..	..	..	162	178	..	..
	Ditto	3. ditto	23 3 40	144 1 35	..	..	..	..	..	..	..	..	..	..	162	178	..	..

TABLE OF PRIVATE BORES—continued.

Reference No.	Locality, Lease, Parish, Town or District.	Local Name of Bore and Name of Owner. (For additional Data, refer to notes at the end of this Table.)	Latitude South.	Longitude East.	DATES.		Surface of Ground above Mean Sea Level, in Feet.	Total Depth of Bore, in Feet.	Depth to Principal Water Bed, in Feet, below Surface.	Temperature of Water, Fahrenheit Degrees.	ARTESIAN.		SUR-ARTESIAN.		REFERENCE NO. TO—			
					Commencement of Work.	Completion of Work.					Continuous Daily Flow in Gallons when Uncontrolled.	Static Head above Surface of Ground, in Feet.	Depth of Water Level below Surface, in Feet.	Volume Pumped or Available Daily, in Gallons.	Contractor.	Head Driller.	Section of Bore, &c.	Chemical Analysis.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
456	Tempe Downs	1. Magoura, Q.M. Export Co. 2. ditto	17° 55' 20" 18 23 0	140° 56' 40" 140 42 50	18-9-15 9-16	9-16 16	L 121 L 81	2,087	b 1,994	117.5	4,130	? 70	..	..	11	156	..	fair
457	Terrick Terrick Lease	1. Lorne, Law Debuture Co. 2. Terrick ditto Athol, E. J. Davies	24 50 0 24 43 0 24 43 15	145 17 0 144 56 10 145 11 0	07 1-8-13 2-12	10 12-16 6-14	..	4,400 4,863 3,450	? 3,999	? 175	? 370,000 85,000 545,000	..	..	..	11	87 93 194	..	..
458	Thomby Resumption	G.F. Por. 3, L. E. Keen	27 44 30	148 58 30	11-11	6-13	..	3,714	2,970	..	1,116,000	..	..	..	160	225	..	..
459	Tomoo Lease	1. Tomoo, Bergin Bros. ditto 2. ditto 3. ditto Leinster, Hartnell Bros. Mungalla Ck., G. Lansdowne	27 6 0 27 8 30 27 8 30 26 57 0 26 47 30	147 9 10 147 24 45 147 8 25 147 30 25 147 17 50	00 00 11-13 15-11-14	00 3-14 19-4-16	L 1,016 L 1,038 L 1,007 L 1,176 L 1,174	1,370 2,050 1,945 2,318 580	..	104 116 113 113	V ..	306,000 197,000 465,000 218,000	..	..	2 2 64 92	241 241 241 268 68	..	good
460	Townsville	Pumping Station	..	..	01	11-01	..	103	a 50	..	..	..	?	..	..	..	..	..
461	Thuruloona and Bundaleer [Leases	1. Thuruloona, The Squatting Co. 2. Diana ditto [Invest. Co.] 3. Coogee ditto 4. Prairie ditto 5. Bundaleer Homestead ditto 6. Bundaleer No. 2 ditto 7. Manly, The Squatting Invest. Co. 8. Bundaleer No. 9 ditto 9. Saltbush or The Farm ditto 10. Bundaleer No. 3 ditto	28 39 10 28 52 45 28 55 0 28 43 35 28 40 40 28 35 5 28 49 55 28 33 30 28 30 40 28 49 20	146 3 50 146 2 15 146 14 0 146 23 20 146 33 15 146 33 40 146 37 50 146 24 0 145 52 10 146 25 35	12-86 3-87 6-87 10-87 1-91 4-88 12-91 4-92 7-92 9-92	1-90 7-6-92 21-5-90 5-3-92 6-8-91	L 509 L 480 L 471 L 483 L 484	D1,290 D1,682 D1,630 D2,087 1,862	..	108 118 118 ? 108 117	51,000 218,000 43,500 13,880 122,000	35 to 45 147 to 203 16 to 39 16 to 75 see notes	..	..	7 7 7 7 7	120 120 120 120 120	..	good good good good good
462	Ditto	11. The Tuen ditto 12. Randwick ditto 13. Bulloo ditto 14. Stake Yards ditto 15. Parramatta ditto	28 35 20 28 35 10 28 25 40 28 38 40 28 51 15	145 47 10 146 10 0 146 40 50 146 19 0 148 32 25	2-93 10-97 9-05 3-06 7-1-07	2-3-92 17-3-06 22-8-06 4-6-07	L 538 L 479 L 502 L 498 L 458	1,710 1,627 801,120 130,300 52,100	..	115 117 123 102 111	866,500 594,780 801,120 130,300 52,100	274 to 281 see notes 48 to 95.4 124 to 219	..	..	7 2 2 2	120 120 57 57	..	good good good good good
463	Ditto	16. Station ditto 17. Station ditto Cairo (Ballal), H. C. Thompson	28 31 35 28 44 20 28 33 0	145 58 15 145 57 10 146 38 20	26-5-08 30-12-15 2-16	5-11-08 13-4-16 8-16	L 587	1,786 1,653 1,715	d 1,640 1,686	123	1,142,100 1,334,200 480,000	226 to 247 ..	..	..	5 5 5	61 286 148	..	good good good
464	Tilbooroo Lease	Ardyne, S. Kidman and Co.	27 40 0	144 50 25	11-95	7-96	L 875	2,510	..	139.5	652,270	188 to 193	..	..	2	57	..	good
463	Tilbooroo Resumption	1. Gidgerah, T. G. Elliott 2. Eumarrak ditto Goorah, A. H. Rutherford Hazelfield, McCormack Bros.	27 52 30 27 59 45 27 47 15 27 46 50	145 24 0 145 20 20 145 26 30 145 19 0	3-98 3-99 4-97 5-10	3-6-98 8-7-99 26-8-97 24-8-10	L 875 L 685 L 731 L 684	2,020 1,325 1,583 1,538	4 W.beds	115.5 109.5 117 116.7	49,710 74,650 1,044,800 1,421,470	43 to 71 106 to 186 218 to 224 222 to 275	..	..	4 4 4 56	57 57 57 57	..	..
464	Tinnenburra Lease	1. Kungie, W. H. & J. K. Mackay 2. Petite ditto [Kay] 3. Mulgar, Mackay Jnr., W. H. and 4. Mulgar No. 9, W. H. and 5. Mulgar No. 11 [J. K. Mackay] (N.S.W.) 6. Boortra, W. H. & J. K. Mackay 7. Woolshed ditto 8. Tinnenburra No. 1 ditto 9. Tinnenburra No. 10 ditto	28 41 30 28 38 0 28 31 20 28 51 50 28 53 35	145 14 15 145 5 35 145 14 40 145 3 50 145 10 0	.. .. .. 91 92	22-2-90 14-3-91 7-8-91 7-10-14 28-11-14	L 481 L 507 L 513 L 497 L 597	1,255 1,040 1,409 D1,318 D1,489	a 1,000 933	112 112.5 113 112 116.5	V V	163,100 698,300 38,400 506,000 ceased	81 to 114 238 see notes "	..	6 6 82 82 6	59 59 229 229 59	95 96 97 ..	40 41 42 43 44
464	Ditto	10. Mulgar No. 10	28 46 0	145 9 25	93	9-96	L 476	1,610	1,700	99	4,220	82	229	98	47

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					Commencement of Work.	Completion of Work.					Continuous Dally Flow in Gallons when Uncontrolled.	Static Head above Surface of Ground, in Feet.	Depth of Water Level below Surface, in Feet.	Volume Pumped or Available Daily, in Gallons.	Contractor.	Head Driller.	Section of Strata, Etc.	Chemical Analysis.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
464	Tinnenbura Resumption	11. G. F. 405, W. H. Mackay	28° 27' 35"	145° 5' 50"	12	4-12	L 513	1,164	d 560	99	54,900	92 to 138	..	..	82	108	273	..
contd.	Ditto	12. Dabil, E. Mackay	28 28 0	145 21 0	6-12	9-12	L 607	1,456	c 1,410	111	1,027,500	..	..	..	274	..	..	..
	Ditto	13. J. K. & W. H. Mackay	28 50 5	145 14 35	20-12-12	11-9-13	L 545	1,328	c 1,150	77	910	..	..	..	82	229	..	..
	Ditto	14. ditto	28 48	145 26 25	12-9-15	20-1-16	..	1,370	c 1,420	122	492,000	..	..	..	187	229	..	..
	Ditto	15. ditto	28 41 20	145 26 25	23-9-16	18-1-17	..	1,928	a 1,590	..	900,000	..	..	..	..	..	..	..
	Ditto	Belala Well	28 46	145 29 30	..	..	..	55	below 40	..	..	..	25.5	soakage	..	..	..	..
	Ditto	The Whip Well	28 33 40	145 17 13	..	..	..	57	..	..	..	..	17	Wh 1,700	..	..	..	..
	Ditto	Bithery Well	28 35 0	145 0 5	..	..	L 494	over 86	..	..	..	..	44.5	23,000	..	..	..	..
	Ditto	Manathows Well	28 53 40	145 28 0	..	..	..	?	..	..	..	..	..	..	..	..	..	..
	Ditto	Jockey Well	28 50 20	145 19 0	..	..	L 543	61	a 35	..	..	..	15	Wh 2,250	..	..	..	..
	Ditto	No. 4 Well	28 50 10	145 3 0	..	..	..	61	a 40	..	..	..	17	750	..	..	..	..
465	Tongy Lease	1. North, H. and C. Hinder	27 17 10	147 9 15	? 99	03	L 1,013	2,800	σ 1,920	116	V 224,000	..	..	..	2	28	..	..
	Ditto	2. South	27 22 30	147 6 50	13-8-13	15-11-13	L 900	1,960	σ	116	V 1,160,000	..	..	..	133	183	..	..
466	Tooburra South	Six bores in valley, W. Smith & Son	..	..	04	05	..	20 to 50	..	..	..	..	..	..	..	..	..	..
	Ditto	One bore on high ground ditto	..	..	..	..	..	100	..	..	..	..	..	..	..	..	..	..
467	Toolebuc Lease	1. Station, J. L. & W. T. Arthur	22 11 20	140 53 20	8-93	11-93	L 749	917	a 560	100	..	..	?	W large	11	..	15	..
	Ditto	2. Garden ditto	22 16 20	140 49 10	11-92	12-93	L 683	533	b 441	95	..	..	?	W 30,000	11	..	16	..
	Ditto	3. ditto	22 3 10	140 53 30	1-94	3-94	L 753	809	a 226	..	..	..	?	W small	11	..	17	..
	Ditto	4. (abandoned) ditto	22 17 40	140 45 20	..	7-94	L 630	456	a 182	..	..	..	..	..	11	..	..	..
	Ditto	5. ditto	22 20 25	140 44 50	8-94	6-14	L 680	D 500	b 407	95	..	..	..	..	11	..	..	..
	Ditto	6. ditto	22 11 55	141 0 30	..	11-94	L 741	379	a 640	..	..	..	?	A 50,000	11	..	18	..
	Ditto	7. ditto	22 8 35	141 6 40	12-94	3-95	L 763	1,196	a 800	..	..	..	?	S 50,000	11	..	19	..
	Ditto	8. ditto	22 10 0	140 55 0	..	6-95	L 728	609	a 525	..	..	..	?	W 25,000	11	..	20	..
	Ditto	9. Jubilee ditto	22 4 35	141 9 25	..	2-4-98	L 795	1,024	a	..	..	..	?	S good	11	..	21	..
	Ditto	10. (abandoned) ditto	21 58 30	140 56 45	..	4-6-98	..	231	..	..	..	..	..	..	11	..	..	..
	Ditto	11. (abandoned) ditto	21 52 25	140 55 40	..	30-6-98	..	438	..	..	..	..	?	W 50,000	11	..	..	..
	Ditto	12. Garden ditto	22 10 5	140 51 40	..	88	L 792	495	..	100	..	..	?	W.O good	11	..	..	..
	Ditto	13. Scrubby Corner ditto	22 8 25	141 0 35	..	98	L 782	711	..	..	..	..	?	..	11	..	..	..
	Ditto	14. (abandoned) ditto	22 21 20	140 44 50	..	98	..	395	..	..	..	..	..	..	11	..	..	..
	Ditto	15. ditto	22 20 25	140 43 50	..	98	..	359	..	..	..	..	..	..	11	..	..	..
	Ditto	16. Baker's Hole ditto	22 11 15	141 6 25	2-15	P	L 779	913	..	..	..	..	?	W 50,000	11	..	..	..
	Ditto	17. ditto	22 5 40	140 46 0	..	..	L 767	? 200	..	..	..	..	..	..	6	4	..	..
	Ditto	17A. (abandoned) ditto	22 5 40	140 46 0	..	..	..	..	..	..	..	..	..	..	6	4	..	..
	Ditto	1. El Rita, W. H. Simpson and ditto [Wilson	21 52 10	141 0 20	..	..	..	..	200	..	..	..	..	..	..	..	..	..
	Ditto	2. ditto	21 50 50	141 4 50	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Ditto	3. ditto	21 51 20	141 9 15	11-15	10-12-15	L 863	1,050	(abandoned)	..	..	..	..	..	184	270	..	..
	Ditto	1. Inversaven, M. L. Anderson	..	..	18-7-15	15	..	175	b 150	..	..	..	90	50,000	184	270	..	..
	Ditto	2. ditto	..	..	15	15	..	280	a 180	(abandoned)	..	..	..	..	184	270	..	..
	Ditto	3. ditto	..	..	18-1-16	16	..	?	..	..	..	..	..	..	184	270	..	..
	Ditto	4. ditto	..	..	..	..	..	156	dry	..	..	..	..	..	184	270	..	..
	Ditto	5. ditto	..	..	..	..	..	282	..	..	..	..	..	..	184	270	..	..
468	Toorak Lease	1. Wild Duck, Bayles Bros.	21 1 20	141 38 20	10-91	6-97	L 497	D1,293	..	1294	289,800	..	..	..	11	..	100	135
	Ditto	2. Stud Camp ditto	21 11 0	141 52 10	11-91	4-97	L 575	D1,670	..	139	434,500	..	..	..	11	..	101	good
	Ditto	3. Kates ditto	21 7 25	141 42 35	15-5-96	12-96	L 460	1,460	..	133.5	411,400	..	..	..	11	..	..	good
	Ditto	4. Station ditto	21 2 40	141 48 10	12-96	97	L 492	1,497	..	143.5	497,600	..	..	..	11	..	..	good
	Ditto	5. Dickey's Creek ditto	21 6 50	141 37 45	10-05	10-05	L 533	1,425	..	136	521,800	..	..	..	11	..	..	good
	Ditto	6. Glen Robin ditto	21 15 25	141 47 10	8-12	11-12	L 561	1,720	a 1,660	144	559,800	..	..	..	116	..	..	..
469	Tower Hill Lease	Constitution, Rockwood Past. Co.	22 3 25	144 33 10	01	11-9-08	L 883	D2,900	..	129	51,000	..	..	..	6	9	..	..
	Ditto	Needlewood, C. Brunner	21 53 25	144 47 0	..	01	L 953	1,700	a 1,600	86	..	..	..	..	20	35	..	..
	Ditto	Eastfield, J. Ballinger	22 1 35	144 47 0	..	88	L 914	1,110	..	88	6	138

TABLE OF PRIVATE BORES—continued.

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					Commencement of Work.	Completion of Work.					Continuous Daily Flow in Gallons when Uncontrolled.	Static Head above Surface of Ground, in Feet.	Depth of Water Level below Surface, in Feet.	Volume Pumped or Available Daily, in Gallons.	Contractor.	Head Driller.	Section of Strata, etc.	Chemical Analysis.
1			4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
476	Unah Lease	Unah, T. Knox (<i>abandoned</i>)	21° 12' 45"	145° 6' 45"	1-12-7-12	3-12-10-13	L 1,163	1,614 3,516	77 2,900	148	340,250	..	..	..	5 5	61 61	..	good
477	Victoria Downs Lease	1. Four-mile, A. V. Lort 2. Sandridge ditto 3. Woolshed ditto 4. Cattle Paddock ditto	26 20 20 26 22 30 26 21 40 26 22 15	147 5 20 147 4 25 147 1 50 146 59 25	07 07 07 07	07 07 07 07	L 1,826 L 1,314	145 189 316 300	.. .. .. ..	.. .. .. ..	.. .. .. ..	.. .. .. ..	113 115.4 75 60	W good fair W ..	155 150 155 155	.. .. .. ..	.. .. .. ..	inferior inferior
478	Victoria Downs Resumption	5. Jameson ditto 6. Railway ditto 7. Railway Cattle Pk. ditto 8. ..	26 19 15 26 23 5 26 23 20 26 20 50	147 1 10 147 2 0 147 0 45 147 3 55	08 08 08 08	08 08 09 09	L 1,390	181 278 350 251	dry	..	..	..	99.4 124.2 140.5	W 10,000	92 92 92 92	68 68 68 68	..	340 341
479	Victoria Downs Resumption	1. Ivanhoe Downs, A. E. Powell 2. ditto ditto 3. ditto ditto 4. ditto ditto 5. ditto ditto 6. ditto ditto 7. Dalryfield, Emma Rand	26 15 20 26 12 50 26 12 50 26 18 20 26 18 55 26 15 55 26 20 20	147 4 25 147 7 10 147 7 40 147 7 0 147 8 35 147 9 45 147 11 20	07 07 07 07 07	07 07 4-07 5-07 07 07 13-1-13	L 1,360 L 1,384 L 1,436 L 1,439	200 450 323 200 292 454	.. .. .. .. c	.. .. .. .. .. ..	.. .. .. .. .. .. ..	.. .. .. .. ..	119.2 ? 170 W ? 200 W ? 200 S ? 15	W good W W S	155 155 155 155 155 156	212 212 212 212 212 212 213	..	inferior inferior inferior good good
	Vindex Lease	A. Old bore, M. Ryan B. ditto ditto C. ditto (<i>abandoned</i>) ditto 1A. Deep (<i>abandoned</i>) ditto 2. Deep ditto	.. .. 22 35 25 22 34 10 22 21 15	.. .. 143 33 35 143 33 35 143 38 40	.. .. 9-88 6-90 6-9-02	.. .. 12-89 12-89 6-9-02	.. .. ? 765 L 849 3,795	110 150 187 1,800 4,000 3,795	dry	.. .. .. 175.5 173	.. .. .. .. .. .. .. ..	.. .. .. .. .. ..	.. .. .. .. ..	.. .. small 3,500 7,000 ..	11 11	117 117	..	good good
	Ditto	1. (<i>abandoned</i>), M. Ryan 2. ditto ditto 3. ditto ditto 4. ditto ditto 5. ..	22 26 .. 22 26 .. 22 26 20 22 32 45 22 36 25	143 32 .. 143 32 .. 143 32 50 143 22 50 143 20 55	08 09 2-10	08 09 2-10	.. L 735 L 744	470 400 460	391 390 380 440	..	..	..	.. 67 120 108	small 3,500 7,000	6 6 6 142	..	..	salt brackish fair
	Ditto	6. (<i>abandoned</i>) ditto 7 and 8 (on resumed land) 9. .. 10. (<i>abandoned</i>) ditto 11. ..	22 42 15 22 33 20 22 39 30 22 39 10	143 21 40 143 25 0 143 25 25 143 20 5	.. 11	.. 11	L 828 L 703 L 766	412 394 510 460	390 380 dry 440	.. .. .. 88	..	..	200 98.5 W 168 W	small 7,000 9,600	127 6 127 127	21 21 21	..	good brackish
	Ditto	12. (<i>abandoned</i>) ditto 13. Homestead ditto 14. (<i>abandoned</i>) ditto 15. .. 16. ..	22 42 0 22 20 25 22 30 40 22 41 35 22 31 40	143 18 35 143 32 25 143 34 25 143 21 40 143 33 55	..	..	L 706 L 864 L 833	509 500 501 597	dry 490 dry 490 dry 310	..	..	..	131 170 W 144	10,000 7,200 5,000	127 140 140	21 166 166	..	brackish good
	Ditto	17. .. 18. ditto 19. (<i>abandoned</i>) ditto 20. ditto 21. ..	22 35 10 22 26 0 22 30 20 22 38 25 22 25 0	143 18 40 143 32 45 143 28 5 143 22 10 143 33 0	15-6-14 3-7-14 4-8-14 3-8-15 28-8-15	15-6-14 3-7-14 4-8-14 3-8-15 28-8-15	L 757 L 744 600 784 L 791	313 600 600 510 604	b 258 b 280 .. 493 ..	89 89	..	..	159 79 W 164 W 100	13,000 7,800 5,000 12,000	140 140 141 121	166 166 .. 164	..	good fair salty fair
	Vindex Resumption	Kywong, W. E. Wattenhall ? Lockhart 1. Erimagh, Darley 2. ditto	22 16 10 22 12 50 22 11 30 22 11 20	143 36 50 143 42 25 143 38 25 143 36 25	2-15 before 11-14 17-7-15	2-15 before 11-14 17-7-15	L 761 L 820 L 783 L 815	445 382 383 300	e 430 370 370	85 81 81	..	..	80 W 95 W 148 W	15,000 4,000 5,000	123 141 141	193 .. ..	..	fresh fresh fresh

TABLE OF PRIVATE BORES—continued.

Reference No.	Locality, Lease, Parish, Town or District.	Local Name of Bore and Name of Owner. (For additional data, if any, refer to notes at the end of this Table.)	Latitude South.	Longitude East.	DATES.		Surface of Ground above Mean Sea Level, in Feet.	Total Depth of Bore, in Feet.	Depth to Principal Water Bed, in Feet below Surface.	Temperature of Water, Fahrenheit Degrees.	ARTESIAN.		SUB-ARTESIAN.		REFERENCE NO. TO—			
					Commencement of Work.	Completion of Work.					Continuous Daily flow in Gallons when Uncontrolled.	Static Head above Surface of Ground, in Feet.	Depth of Water Level below Surface, in Feet.	Volume Pumped or Available Daily, in Gallons.	Contractor.	Head Miller.	Section of Strata, &c.	Chemical Analysis.
1						6	8	9	10	11	12	13	14	15	16	17	18	19
479	Vindex Resumption	1. Belmont, Bell Bros. and Co.	22° 6' 25"	143° 28' 45"	18-5-06	06	L 755	200	270	80	..	..	74	W 8,000	6	191	..	fair
	Ditto	2. ditto	22° 7' 40"	143° 33' 50"	08	08	L 799	269	251	84	..	..	110	W 8,000	6	191	..	fresh
	Ditto	3. ditto	22° 5' 35"	143° 25' 50"	8-12	8-12	L 785	214	200	82	..	..	100	W 5,000	189	123	..	fresh
	Ditto	4. Well ditto	22° 4' 0"	143° 30' 35"	7-12	..	L 725	327	310	81	..	..	112	W 17,000	189	123	..	fresh
	Ditto	1. Apsley Downs, T. G. Millar and [Co.]	22° 27' 0"	143° 17' 10"	09	10	L 672	D 352	b 330	..	..	..	120	W 14,000	143	166	..	brackish
	Ditto	2. ditto	22° 29' 25"	143° 17' 50"	09	8-12	L 651	D 445	c 410	90	..	..	120	W 30,000	141	164	..	brackish
	Ditto	3. ditto	22° 23' 45"	143° 21' 10"	12-09	..	L 715	300	b 270	82	..	..	100	W 15,000	141	192	..	brackish
	Ditto	4. ditto	22° 26' 30"	143° 20' 0"	(abandoned)	7-11	..	396	..	..	..	..	..	2,000	143	166	..	salt
	Ditto	5. ditto	22° 25' 55"	143° 20' 0"	11	10-11	L 691	396	c 350	85	..	..	105	W 30,000	143	166	..	brackish
	Ditto	6. ditto	22° 24' 20"	143° 15' 0"	11	11	L 682	396	c 367	88	..	..	120	W 30,000	143	166	..	brackish
	Ditto	7. ditto	22° 33' 30"	143° 15' 5"	10-11	10-11	L 670	384	b 350	..	..	..	123	W 20,000	143	166	..	brackish
	Ditto	8. ditto	22° 32' 25"	143° 14' 20"	9-12	10-12	L 708	540	c 510	..	..	..	140	W 12,000	121	164	..	fresh
	Ditto	1. Leswalt, K. Duncombe	22° 26' 35"	143° 23' 40"	..	..	L 679	D 400	..	..	..	..	88	W 19,000	140	166	..	brackish
	Ditto	2. ditto	22° 23' 25"	143° 22' 10"	..	..	L 722	315	..	81	..	..	158	W 7,000	144	132	..	fair
	Ditto	3. ditto	22° 24' 0"	143° 25' 20"	..	..	L 695	300	..	..	..	..	89	W 4,000	144	192	..	brackish
	Ditto	4. ditto	22° 23' 50"	143° 25' 20"	..	..	L 752	600	..	..	..	..	142	W 7,000	140	166	..	brackish
	Ditto	1. G.F. 292, H. J. A. Dawson	22° 36' ..	143° 13' ..	before	10-14	..	500	455	..	..	..	180	10,000	..	..	..	good
	Ditto	2. ditto	22° 36' ..	143° 13' ..	"	10-14	..	556	550	..	..	..	190	10,000	..	..	..	brackish
	Ditto	3. ditto	22° 36' ..	143° 13' ..	"	10-14	..	486	250	..	..	..	250	5,000	..	..	..	fair
	Ditto	.. .. Allan's	22° 33' ..	143° 20' ..	"	10-14	..	625	620	..	..	..	200	5,000	..	..	..	fresh
480	Warbreccan Lease...	Mutti Mutti No. 4, Aust. Past. Co.]	24° 25' 40"	142° 46' 40"	1-94	22-4-98	..	4,333	b ? 3,900	183½	43,360	10 to 15	..	..	11	36	..	215, 249
481	Warena Lease	1. Warena Creek, Warena [Past. Co. Ltd.]	22° 41' 50"	140° 21' 20"	(abandoned)	12-90	605	1,075	c 410	80	..	..	79	P 50,000	..	..	23	..
	Ditto	2. Palparara ditto	22° 41' 30"	140° 36' 0"	2-92	2-92	518	184	c 165	85	..	..	..	..	..	..	24	..
	Ditto	3. Mommedah ditto	22° 33' 0"	140° 34' 15"	8-91	4-91	545	340	a 56	82	..	..	..	..	..	..	25	..
	Ditto	4. Pollygammon ditto	22° 46' 15"	140° 45' 35"	..	5-91	548	511	c 500	92	..	..	..	..	..	..	..	..
	Ditto	5. Slasher's Creek ditto	22° 53' 0"	140° 46' 0"	..	7-91	L 561	715	b 714	102	V 266,120	-? to 48 37 to 46	..	..	..	..	..	..
	Ditto	6. Runda ditto	22° 54' 50"	140° 41' 55"	9-91	11-91	L 485	559	b 490	100½	..	..	..	..	..	..	..	..
	Ditto	7. Horse Creek ditto	22° 57' 40"	140° 47' 15"	12-91	2-92	L 574	777	c 733	100½	..	..	..	..	..	..	..	..
	Ditto	8. Station ditto	22° 38' 40"	140° 32' 10"	..	4-92	562	515	a 98	80	..	..	..	..	..	..	..	..
	Ditto	9. Drafting Yard ditto	22° 44' 40"	140° 33' 40"	..	5-92	505	208	c 178	83½	..	..	..	..	..	..	..	..
	Ditto	10. Woolgunnia ditto	22° 29' 40"	140° 47' 20"	5-92	6-92	505	653	c 489	98	V ? 111,600	21 to 42	..	..	..	..	..	..
	Ditto	11A. (abandoned) ditto	22° 35' 30"	140° 32' 30"	..	8-92	?	178	a 115	..	..	..	16	..	..	..	..	..
	Ditto	11B. Home Paddock ditto	22° 38' 0"	140° 34' 0"	..	9-92	532	60	b 51	78	..	..	5	P 6,000	..	..	33	..
	Ditto	12. Tully ditto	22° 32' 0"	140° 33' 0"	..	8-92	?	75	b 49	79	..	..	10	f 5,000	..	..	34	..
	Ditto	13. Top bore ditto	22° 22' 35"	140° 48' 45"	9-92	11-92	622	590	b 510	101	..	..	..	..	..	..	..	..
	Ditto	14. Tipperary ditto	22° 31' 15"	140° 45' 30"	10-92	12-92	555	440	c 429	94	V 111,600	see notes 25 to 51	..	..	..	..	..	..
	Ditto	15. Black Ridge ditto	22° 32' 40"	140° 44' 15"	1-98	2-93	535	363	a 360	90	V ? 100,000	7 to 35	..	..	..	..	..	..
	Ditto	16. Tailings Yards ditto	22° 32' 20"	140° 37' 25"	(abandoned)	8-93	562	172	a 135	83	?	9 to 13	..	..	..	..	..	..
	Ditto	17A. Bloodwood Pad. ditto	22° 42' 45"	140° 33' 15"	..	6-93	510	143	a ? 90	..	..	..	..	..	..	..	..	..
	Ditto	17B. Windmill ditto	22° 42' 45"	140° 33' 15"	..	6-93	522	176	a ..	81	..	..	..	..	..	..	..	..
	Ditto	18. Redhead ditto	22° 52' 15"	140° 32' 40"	7-93	12-96	500	D 410	..	89	..	..	..	..	..	..	..	..
	Ditto	19. Warra ditto	23° 4' 50"	140° 39' 30"	8-98	12-93	568	780	b 685	111½	?	423,950	..	..	..	..	..	..
	Ditto	20. Warena No. 3 ditto	22° 45' 0"	140° 33' 35"	(abandoned)	11-98	..	188	..	75	..	..	..	..	..	..	..	..
	Ditto	21. Garden ditto	22° 45' 0"	140° 33' 35"	11-96	12-98	..	275	..	..	..	..	..	..	..	..	..	..
	Ditto	21A. (abandoned) ditto	22° 45' 40"	140° 33' 5"	11-96	12-96	..	100	..	..	..	..	..	..	..	..	..	..
	Ditto	22. Weaner ditto	22° 45' 40"	140° 33' 5"	..	..	..	310	..	83	5,000	6	..	..	98	129	..	..

TABLE OF PRIVATE BORES—continued.

Reference No.	Locality, Lease, Parish, Town or District.	Local Name of Bore and Name of Owner. (For additional Data, if any, refer to notes at the end of this Table.)	DATES.		Latitude South.	Longitude East.	Commencement of Work.	Completion of Work.	Surface of Ground above Mean Sea Level, in Feet.	Total Depth of Bore, in Feet.	Depth to Principal Water Bed, Feet below Surface.	Temperature of Water, Fahrenheit Degrees.	ARTESIAN.		SUB-ARTESIAN.		REFERENCE NO. TO—			
			Commencement of Work.	Completion of Work.									Continuous Daily Flow in Gallons when Uncontrolled.	Static Head above Surface of Ground, in Feet.	Depth of Water Level Below Surface, in Feet.	Volume Pumped or Available Daily, in Gallons.	Contractor.	Head Driller.	Section of Strata, &c.	Chemical Analysis.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19		
	Warrendale Lease	23. Sheep Creek, Warrendale Past. (Co., Ltd.)	22° 38' 35"	140° 56' 10"	8-97	3-99	L 597	904	875	110	?	400,000	29 to 42	W	98	129	..	?		
481	Ditto	24. Dinner Creek	22° 49' 10"	140° 52' 50"	10-97	10-97	..	875	875	112	161,400	..	..	W	..	129	..	good		
cont'd.	Ditto	25. Fort William	22° 28' 20"	140° 5' 10"	..	..	..	?	?	..	..	..	..	W	..	..	..	good		
	Ditto	26. Eastern Creek	22° 28' 40"	140° 5' 25"	..	..	..	?	?	..	..	..	..	W	..	..	..	good		
	Ditto	27. Robinson's	22° 21' 50"	140° 9' 25"	..	..	..	..	..	..	..	..	..	W	..	..	..	good		
	Ditto	28. (abandoned)	22° 24' 20"	140° 13' 0"	..	..	..	180	dry	..	..	..	..	..	..	..	..	..
	Ditto	29. Goppa (abandoned)	22° 46' 5"	140° 21' 40"	..	..	..	300	dry	..	..	..	..	..	..	..	..	..
	Ditto	30A. (abandoned)	22° 52' 40"	140° 29' 20"	1-97	..	..	100	..	..	..	..	..	..	..	..	..	..
	Ditto	30B. Dakson	22° 53' 0"	140° 29' 20"	..	..	..	180	..	83	trickle	..	..	..	98	129	..	good		
	Ditto	31. Fraser's	22° 39' 0"	140° 38' 10"	..	..	..	shallow	..	..	12,000	..	..	..	98	129	..	good		
	Ditto	32. Coronna	22° 29' 30"	140° 54' 25"	..	..	..	80	..	..	ceased	..	..	W	..	..	..	fair		
	Ditto	33. Engine, Warrendale Past. Co.	22° 18' 55"	140° 47' 55"	..	..	..	?	?	..	..	..	..	?	..	..	..	..
	Ditto	34. No. 1 Shadhole Ck. ditto (Lid.)	22° 37' 5"	140° 45' 25"	14-2-12	30-3-12	..	430	d	..	180,000	..	..	..	6	130	..	..
	Ditto	35. No. 2 Shadhole Ck. ditto	22° 28' 25"	140° 40' 5"	30-4-12	25-5-12	..	755	b	..	45,000	..	..	..	6	130	..	..
	Ditto	36A. No. 3 Shadhole Ck. ditto	22° 25' 10"	140° 41' 50"	6-6-12	..	..	?	(abandoned)	..	22,000	..	..	..	6	130	..	..
	Ditto	36B. No. 3	22° 25' 10"	140° 41' 50"	3-7-12	8-12	..	320	b	..	..	..	..	..	6	130	..	..
	Ditto	37. Parthungas	22° 24' 50"	140° 36' 35"	23-8-12	10-9-12	..	120	a	72	11,800	low	..	..	6	130	..	..
	Ditto	38. Home Padd' & Dam	22° 36' 5"	140° 31' 50"	..	..	..	160	a	..	..	..	..	..	6	132	..	..
	Ditto	39. Bloodwood	22° 41' 55"	140° 26' 20"	..	..	..	165	b	..	..	..	..	..	6	132	..	..
	Ditto	40. Seven-Mile	22° 41' 25"	140° 37' 20"	..	..	..	250	b	..	..	..	..	..	6	132	..	..
	Ditto	41. Sheep Camp	22° 28' 0"	139° 57' 25"	..	..	..	200	?	..	..	..	..	..	6	133	..	..
	Ditto	42. Double Bore	22° 26' 30"	139° 54' 25"	..	..	..	200	..	..	..	..	..	..	6	133	..	..
	Ditto	43. ditto	22° 20' 35"	139° 54' 40"	..	..	..	200	..	..	..	..	..	..	6	133	..	..
	Ditto	44. Bluff	22° 21' 5"	139° 54' 40"	..	..	..	130	..	..	..	..	..	..	6	133	..	..
	Ditto	45. Lagoon Paddock	22° 31' 45"	139° 58' 5"	..	..	..	130	..	..	..	..	..	..	6	133	..	..
	Ditto	46. Six-Mile	22° 27' 25"	140° 11' 0"	..	..	..	150	..	..	..	..	..	..	6	133	..	..
	Ditto	47. Blue Bush	22° 24' 45"	140° 9' 5"	..	..	..	130	..	..	..	..	..	..	6	133	..	..
	Ditto	48. Corella	22° 20' 40"	140° 0' 35"	..	..	..	120	..	..	..	..	..	..	6	133	..	..
	Ditto	49. Wyalong	22° 35' 20"	140° 11' 15"	..	..	..	135	..	..	..	..	..	..	6	130	..	..
	Ditto	50. Baynton	22° 40' 0"	140° 14' 25"	..	..	..	145	140	..	..	..	..	..	6	130	..	..
	Ditto	51. McKae's	22° 44' 35"	140° 19' 35"	..	..	..	145	145	..	..	..	..	..	6	130	..	..
	Ditto	52. Parisian	22° 32' 50"	140° 53' 45"	13	5-13	..	660	..	75	75,000	..	..	..	6	131	..	good		
	Ditto	53. Dingo Creek	22° 23' 5"	140° 38' 25"	13	10-13	..	180	..	..	830	4	..	..	6	131	..	..
	Ditto	54. Canary Creek	22° 45' 5"	140° 27' 45"	P	13	..	605	..	..	flow	..	..	..	..	..	..	..
	Ditto	55. Jubilee Well	22° 45' 5"	140° 27' 45"	..	..	..	20	..	79	..	..	..	..	..	..	..	..
	Ditto	56. Momedah Well	22° 33' 5"	140° 34' 35"	..	..	..	20	..	..	..	..	..	..	..	..	..	..
	Ditto	57. ditto	22° 33' 15"	140° 33' 45"	..	..	..	20	..	79	..	..	..	..	..	..	..	..
	Ditto	58. Parthungas Well	22° 24' 50"	140° 36' 50"	..	..	..	20	..	77	..	..	..	..	..	..	..	..
	Ditto	59. Marthungas Well	22° 23' 15"	140° 35' 50"	..	..	..	20	..	72	140	..	..	..	..	..	..	..
	Ditto	60. Bloodwood (abandoned)	..	..	..	..	..	280	dry	..	..	..	..	..	..	..	..	..
	Ditto	61. (abandoned)	..	..	..	..	..	90	dry	..	..	..	..	..	..	..	..	..
	Ditto	62. Windsor	22° 15' ..	140° 33' ..	14	4-14	..	242	b	..	195	..	85	large	..	..	..	..
	Ditto	63. Limestone	22° 24' ..	140° 4' ..	14	5-14	..	250	b	..	225	..	54	large	..	..	..	..
	Ditto	64. Croystdale	22° 34' ..	140° 8' ..	14	8-14	..	160	a	..	120	..	40	large	..	..	..	..
	Ditto	65. Nimmaroo	22° 34' ..	139° 58' ..	14	11-14	..	120	..	..	70	..	40	large	..	..	..	..
	Ditto	66. Radcliffe	22° 34' ..	140° 8' ..	14	12-14	..	802	..	..	60	..	80	large	..	..	..	..
	Ditto	67. Jibblo	22° 33' ..	140° 3' ..	14	12-14	..	140	..	..	97	..	?	large	..	..	..	..
	Ditto	68. Lygammon	23° 27' 25"	140° 11' 50"	24-10-14	23-12-14	..	700	644	..	196,000	170	44		

TABLE OF PRIVATE BORES—continued.

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					Commencement of Work.	Completion of Work.					Continuous Daily flow in Gallons when Uncontrolled.	Static Head above Surface of Ground, in Feet.	Depth of Water Level below Surface, in Feet.	Volume Pumped or Available Daily, in Gallons.	Contractor.	Head Driller.	Section of Strata, Etc.	Chemical Analysis.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
482	Warwick District Ditto Ditto Ditto	1. Canning Downs 2. ditto 3. ditto Glengallan Valleys	28° 18' 25"	146° 12' 10"	9-02 10-02 03 before	10-02 10-02 6-03 06	208 100 115	208 115	a 208 b 115	..	..	..	68 20	good 12,000 good	16	17	18	19	
483	Weelamurra Lease Ditto Ditto Ditto Parish of Bendeena	1. Shaft and Bore, King Bros. 2. Woolshed ditto 3. ditto ditto Cortio, G.F. 250, J. A. Cotter	28° 16' 5" 28° 9' 50" 28° 4' 35"	146° 15' 30" 146° 13' 15" 146° 20' 10"	26-10-88 11-12 17-9-188	(old) 30-8-97 8-2-13 17-2-99	280 D1,800 1,880 1,796	L 560 L 577 L 580	1,800 1,534 1,600	117 120 115	V 745,220 V 1,602,000 V 1,410,000	216 to 260 254 to 273 see notes	?	?	4 5 4	..	..	good good good	
484	Wellcamp Ditto Westbrook Creek Ditto	(several bores) Coal formation 1. Rev. St. John Pugh	..	..	before " "	06 06 06	shallow ? 60 40 40	..	..	..	..	..	..	good large large	..	..	..	..	good good good
485	Wellshot Lease Ditto Ditto Ditto Ditto Ditto Ditto Ditto Ditto Oakhampton Parish	1. Bradninch, N.Z. & Aus. Land 2. Dartmouth ditto [Co. Ltd.] 3. Totness ditto 4. Station ditto 5. North Dartmouth ditto 6. Cleauksin ditto 7. Satabush ditto 8. E.C. 262 ditto L. Lyndon, O. M. Council	23° 52' 23° 44' 23° 46' 23° 52' 23° 42' 23° 57' 23° 46' 23° 41' 23° 42'	144° 17' 144° 36' 144° 25' 144° 28' 144° 40' 144° 16' 144° 34' 144° 26' 144° 46'	16-11-92 16-2-94 27-10-94 9-01	2-11-93 15-8-94 17-8-95 3-11-92	890 920 862 870	L 890 L 920 L 862 L 870	3,504 2,836 3,561 3,698	171 149 170 172	V 78,300 ceased 204,750 251,300	see notes " " " " " "	..	..	30 30 30 ..	116 116 116	245 246	good good good corros.	
486	Werle Ela and Wild Leases Ditto	1. Bundilla, T. J. Elliott 2. ditto	27° 43' 27° 48'	144° 25' 144° 29'	12-90 21-1-11	19-91 30-4-11	1,751 2,468	L 541 L 627	2,487	125.5 158	19,200 1,278,500	? ? to 340	..	..	6 11 113	67 71 85	289	..	good fair good
487	Westland Lease Ditto	1. Tocal, Darling Dns & Western 2. Buffalo ditto, Land Co.	23° 58' 24° 2'	143° 47' 143° 57'	15-10-98 18-4-93	14-3-93 13-5-96	678 802	678 802	b 2,780 c 3,300	156 176 1/2	V 16,200 37,600	80 to 138 97 to 198	..	..	24 ..	48	..	..	74
488	Whitula Lease Ditto	1. Gibber Creek (abandoned) 2. Taipu (abandoned)	25° 9' 25° 29'	142° 10' 142° 26'	5-91 1-92	11-91 12-92	2,138 1,469	..	..	..	..	..	80 70	small	..	..	..	..	..
489	Whyenbah Lease Whyenbah Resumption	Whyenbah, W. R. Munro Bullindgte, W. H. J. Kirby	28° 16'	147° 55' 35"	23-12-15	30-9-16	2,850 3,057	below 2,687	..	..	? 1,330,000 1,420,000	..	..	..	11 105	214	..	..	..
490	Widgegoara Ditto Ditto Ditto	1. Quambone East? 2. Balbon? 3. Quambone? (abandoned) 4. Quambone East?	28° 31' 28° 31' 28° 32' 28° 32'	146° 26' 25" 146° 20' 30" 146° 23' 35" 146° 23' 35"	15-5-83	..	215 215 210 133	..	..	..	..	..	45 42	50,000 24,000 salt salt	..	..	..	..	G H
491	Winton North District Ditto Ditto	Marah's Selection Strathfield ditto	..	Winton	3-07 before	3-07 12-09 1-12	300 384 280	..	..	..	..	..	..	very little 22,000 4,000	..	..	..	..	..
492	Wondoola Lease	Jenny Dns. No. 3, Winter-Irving and Robertson	19° 7' 30"	140° 51' 40"	9-6-02	25-10-02	1,517	a 1,380	? 135	..	40,000	about 100	..	..	109	..	..	..	good
492a	Wongalee Resumption Ditto	1. Tenterfield Park, R. J. Nolan 2. G.H. 1832	20° 30' 20° 30'	144° 23' 144° 23'	16-11-16	18-12-16	358	b 280	108	..	197	295

TABLE OF PRIVATE BORES—continued.

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					Commencement of Work.	Completion of Work.					Continuous Daily flow in Gallons when Uncontrolled.	Static Head above Surface of Ground, in Feet.	Depth of Water Level below Surface, in Feet.	Volume Pumped or Available Daily, in Gallons.	Contractor.	Head Driller.		Section of Strata, &c.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
493	Woolerina Lease Ditto	1. Kulki, R. W. Chaney .. 2. Gamma ditto ..	28° 27' 40" 28 27 55	147° 17' 35" 147 35 50	93 4-94	13-3-94 5-96	..	2,482 2,908	2,000 2,500	130 139	V V	1,133,100 1,335,000	..	..	8 3	105 105	104 105	165
494	Yandilla Station Ditto	1. Well, G. R. Gore .. (Other wells)	27 50 ..	151 20 ..	before "	03 03	..	54 a	54	..	..	..	?	S 52,800 ? P large	..	..	..	..
495	Yarmouth Lease Ditto Litto Ditto Ditto Resumption Ditto	Henderson's, W. J. Young Well No. 1 ditto .. Well No. 2 ditto .. Well No. 2A ditto .. Cobbrum, M. Brown .. Por. 2, S. W. O'Conner ..	27 33 40 27 38 20 27 34 20 27 34 20 27 31 30 27 24 0	146 15 10 146 11 40 146 14 0 146 14 0 146 26 0 146 21 0	1-96 about prior to 3-4-99 18-12-11	5-96 94 90 26-8-99 16-3-12	L 712 L 685 L 683 L 727 L 774	1,783 49 88 40 1,670 1,785	1,633 .. dry no record 1,785	119 71.2 (abt'd) 116.5 116	V V	1,264,700 1,390,000 1,250,800	see notes see notes — ? 190	.. .. .. .. ..	2 4 5	.. .. .. 60 58 147 147	.. .. .. 311	fresh brackish good
496	Yarawonga Resumption Ditto Ditto	Ada, F. P. Calcino .. Raceview, R. G. Armstrong .. Por. 12, Bull Bros. ..	26 21 50 26 20 25 26 13 0	146 37 5 146 23 30 146 31 0	4-9-13 4-11-11	6-98 24-11-13 5-12-11	L 1,392 ..	2,700 1,302 1,040	1,241 1,014	.. 110	..	185,000 185,000	..	..	3 111 111	58 147 147	..	..
497	Yarron Vale Lease Yarron Vale Resumption..	Woodstock, A. B. Coward Nimboy, G. Espie ..	26 44 0 26 20 45	145 31 50 145 26 30	91 6-11-15	25-1-93 P	..	2,293 2,066	..	136	V	79,860	..	..	24 5	..	..	..
498	Yarrowmere Lease Ditto Ditto	1. Lake Buchanan (abandoned) 2. Cattle Creek, E. Carter .. 3. Dervock, ditto ..	21 30 25 21 32 35 21 31 5	145 50 0 145 46 50 145 47 35	12-11 13	12-12-12 13	..	420 788 1,505	(abt'd)	..	..	..	..	..	..	..	..	..
499	Yorkshire Downs Selection Ditto Ditto	1. Julia Ck. G. F. 989, E. Jowett.. 2. ditto 3. ditto	20 56 0	142 1 0	07 10	11-07 ? 3-11	..	1,433 910 917	1,249 902	.. ..	..	1,295,000 9,000 9,000	..	..	11 11 11	..	..	..
500	Yowah Lease Ditto	Opal Mines, T. J. Elliott .. Merino ditto ..	27 58 25 28 7 35	144 38 0 144 46 50	8-11 ..	2-12 ?	L 676 ..	1,468 ?	..	129 85	V	687,200 810	220 to 255 very low	..	11	..	309	good

ADDITIONAL NOTES TO TABLE OF BORES.

FOURTEENTH ISSUE, 1917.

ABBREVIATIONS.

W.L. Signifies Water-level.
temp. " temperature.
ft. " foot or feet.

in. Signifies inch or inches.
g. p. d. " gallons per day.
gr. p. g. " grains per gallon.

GOVERNMENT BORES.

(A)—SUNK BY WATER SUPPLY DEPARTMENT.

The following shallow bores, Nos. 3, 22, 29, 34, 50, 51, 52, 54, 61, 69, 72, 73, and two of No. 75, are either failures, abandoned, or disused. (See page 7, Report, 1897.)

1. Abbieglassie Trust Bore—Under contemplation.
2. Adavale—Police Department caretaking. For strata, etc., see bore section, 195. Flow on completion 891,000 g. p. d.; temp., (?) 167° F.
4. Stewart's—No water; casing drawn; abandoned.
5. Ashling Trust Bore—In progress.
6. Augathella Town Bore—For strata, etc., see bore section, 312; flow on completion, 464,400 g. p. d.; static head, 37 ft. to 46 ft.; temp., 121° F. Inspected —/3/16; flow, 309,700 g. p. d.; static head, 33.5 ft. to 43.5 ft.; temp., 121° F.
7. Bando Trust Bore—Measured flow 10/1/98=2,502,000 g. p. d. Inspected 8/3/98; flow, 1,802,000 g. p. d. from an outlet 12 ft. above surface, with a leakage outside of casing amounting to 14,250 g. p. d.; static head, 211 ft. to 228 ft.; temp., 119° F. Reinspected 11/1/11; flow, 615,000 g. p. d.; static head, 111 ft. to 118 ft.; temp., 119.5° F.; outlet then 7 ft. above surface; leakage outside of casing 21,900 g. p. d., which did not increase during static pressure test of 4½ hours; bore head badly corroded and leaking at the rate of 5,100 g. p. d. during static test; no gas perceptible. Reinspected 14/7/14; flow, 520,000 g. p. d.; temp., 119° F.; probable max. static head, 93 ft. Reinspected 7/10/15; static head, 76 ft. to 79.3 ft.
8. Barcaldine Railway Station (or The Bath Bore)—Under control of Barcaldine Shire Council. For strata, etc., see bore section, 129; original flow at 3 ft. outlet =157,600 g. p. d.; static head, about 42 ft.; temp., 102° F. Inspected 31/10/99, flow from 7 ft. outlet, 61,200 g. p. d.; static head, 23.3 ft.; temp., 100° F. Reinspected 18/9/12; flow, 31,000 g. p. d.; static head, 13.6 ft.; temp., 99.5° F.; outlet about 3½ ft. above surface; slight leak outside 10-in. casing. Stated that there is an obstruction at about 300 ft.
9. Bedourie Town—
 1. Abandoned by contractor on account of drift sand; some 8-in. and 6-in. casing left at bottom of bore.
 2. Sunk about 20 chains S.W. of No. 1 bore; for strata, etc., see bore section, 221; flow on completion, 2,284,000 g. p. d.; max. static head, 309 ft.; temp., 112° F.; excellent water.
11. Blackall District—

Middle Park—For strata, etc., see bore section, 231; flow on completion, 1,160,000 g. p. d.; temp., 139° F. Inspected 21/3/10; flow, 1,241,600 g. p. d. (measured 2 hours after pressure test of 46 hours); maximum static head, 198 ft.

Dickon's—Sold to Blackall Municipal Council on 1/4/00. For strata, etc., see bore section, 139. Inspected 4/7/98; approx. flow, 291,000 g. p. d.; static head, 148 ft. to 179 ft.; temp., 119° F.; some of the water used for irrigation. Reinspected 15/6/11; no gaugings made, water flows into a stock hole in river.
12. Racecourse—Artesian water; former flow, 8,228 gallons per day; static head, 11½ ft.; temp., 88° F.; contains small quantities of carburetted hydrogen; unfit for domestic purposes; casing drawn and bore collapsed. Coal about 5 ft. thick at 791 ft.
13. Brixton—Formerly leased to Aramac Shire Council. For strata, etc., see bore section, 131; yield in 1898=17,200 g. p. d.; static head, 87 ft. Inspected 30/9/99; outlet, 11 ft. above surface; flow, 7,900 g. p. d.; static head, 32.5 ft. to 44.5 ft.; temp., 109° F. Reinspected 5/8/12; flow, a trickle; static head, about 7 ft.; outlet, 6.2 ft. above ground.
14. Burketown—In charge of Police Department. For strata, etc., see bore section, 140; flow on completion, 140,200 g. p. d.; max. static head, 138 ft.; temp., 155° F.
15. Cabanda Trust Bore—Brackish water at 316 ft., rose to within 80 ft.; dribble at 889 ft.; flow of 30,000 g. p. d. at 930 ft. with a static head of 115 ft. to 143 ft.; flow at 936 ft.=442,330 g. p. d., at 1,002 ft.=698,300 g. p. d., and at 1,025 ft.=722,000 g. p. d.; static head, 138 ft. to 170 ft.; bottom in hard slate; lined with 184 ft. of 10-in., 447 ft. of 8-in., and 1,182 ft. of 6-in. casing.
18. Charleville Town—Original flow, 2,630,000 g. p. d. (about 3 ft. over 8-in. casing); static head, 219 ft. to 231 ft.; temp. 106° F. Bore lined with 258 ft. of 10-in. casing, 1,219½ ft. of 8-in. casing, and 193½ ft. of 6-in. casing at bottom; bore sold to Municipal Council on 14/8/95 and town reticulated in June, 1896. Inspected 15/11/98; flow from a 3-in. outlet under a head of 91.5 ft.=899,700 g. p. d.; full flow (interpolated from flow curve), about 1,670,000 g. p. d.; static head, 166 ft. to 182 ft.; temp. 104° F. Reinspected 29/4/15; flow from same 3-in. outlet under a head of 16.8 ft.=520,100 g. p. d.; approx. full flow, 620,000 g. p. d.; static head, 40.7 ft. to 46 ft. The static head in the town main at the bore was 17.4 ft. to 25.7 ft. with the wooldscour open, and from 23.4 ft. to 32.6 ft. with the wooldscour valve closed.
19. Chippeway Trust Bore—Under contemplation.
20. Clermont—Abandoned by contractors.
23. Cunnamulla—Sold to Paroo Shire Council for £1,600 on 8th May, 1895; town reticulated in April, 1896. Deepened by Shire Council in 1901; former depth, 1,300 ft.; temp., 106° F.; flow, 492,000 g. p. d.; static head, 427 ft.; measured flow after deepening (17/11/01)=1,772,000 g. p. d.; temp., 111° F.; outlet at 11.5 ft. above ground. Inspected 9/4/11; flow, 1,201,000 g. p. d.; static head, 214 ft. to 229 ft.; temp., 107° F.; duration of static test, 1 hour 50 minutes; about 50,000 g. p. d. are passing through a valve to waste, and the pressure in the town water main ranged from 60 lb. to 80 lb. p. sq. in. Reinspected 3/2/13; static head=221 ft. In May, 1912, the static head was slightly less, and in May, 1913, the static head was 215 ft.; a leak of 60 g. p. d. was then noticeable outside of casing (foot of borehead previously under water), but is apparently unaffected by closure. Reinspected 23/9/15; static head, 175 ft. to 180 ft.
25. Cypress Downs Trust Bores—
 - 1 and 2. See No. 106.
 3. For strata, etc., see bore section, 315; flow at completion, 1,588,900 g. p. d.; maximum static head, 221.5 ft.; temp., 150° F.
 4. For strata, etc., see bore section, 313; flow at completion, 1,241,600 g. p. d.; temp., 138° F.
26. Dalby District, Maida Hill—
 1. A well to 85 ft., water rose 31 ft. in well.
 - 5, 6. A well to 53 ft. at each bore.
27. Dalby Town—Leased to Dalby Municipal Council on 1st July, 1904; four bathrooms erected. For strata, etc., see bore section, 208; flow on completion, 25,675 g. p. d.; temp., 101° F.; measured flow in March, 1916=10,000 g. p. d.; air lift installed in April, 1916.
28. Delta Cross Roads—The Kalgoolnah Shire Council pump from a well sunk alongside.
30. Eromanga Town—
 1. For strata, etc., see bore section, 223; flow on completion, 10,660 g. p. d.; static head, 17.3 ft.; temp., 117° F. Inflammable free gas rising, burns with a blue flame; water saline and gaseous.
 2. For strata, etc., see bore section, 224; flow on completion, 237,000 g. p. d.; max. static head, 505 ft.; temp., 198° F.; second hottest water in Queensland; water good, but has a gaseous taste.
31. Euthella Trust Bore—Soak at 456 ft., rose to 30 ft.; first flow at 506 ft., increase at 520 ft., 580 ft., 617 ft., 625 ft.; main flow at 736 ft.; further increase at 863 ft., 878 ft., 905 ft., and 925 ft.; total estimated flow, 1,850,000 g. p. d.; static head, 115 ft.; temp., 105° F.; bottom in very hard sandrock; lined with 201 ft. of 10-in., 398 ft. of 8-in., and 856 ft. of 6-in. casing. Inspected 24/7/15; flow, 1,330,300 g. p. d.; static head, 108 ft. to 110.3 ft.; temp., 106° F.; water very good for all general purposes; very little gas in flow; free CO₂=2.80 gr. p. g. at 100° F.; casing yet in good condition but there are signs of corrosion.
- 31a. Fairlight Trust Bore—First flow of about 80,000 g. p. d. at 352 ft., main flow at 541 ft., increase at 650 ft. and 665 ft. to bottom; terminated in hard sandstone; lined with 196½ ft. of 10 in., 392 ft. of 8 in and 687 ft. of 6in. casing; flow on completion 667,500 g. p. d. and static head 32 ft. to 39 ft.; no outside leak.
33. Hillsborough Trust Bore—In progress.

- 35. Hungerford**—Joint bores of New South Wales and Queensland Governments—
1. Met with salt water at 22 ft.; entered into granite at 285 ft. Inspected 6/4/12; bore abandoned. A prospecting shaft $2\frac{1}{2}$ miles easterly was sunk to 25 ft. and met with granite at about 20 ft.; water level at surface but no use is made of the supply.
 2. Entered into granite at 489 ft. Inspected 5/4/12; W.L. not known; bore provided with earthen tank, pump, windmill, and 100 ft. of troughing; pumping appliances out of commission; crank pin removed.
- 36. Jericho**—Supplied 3,600 g. p. d. for local use; now abandoned.
- 37. Jondowaie**—4. A well to 102 ft.
- 38. Julia Creek Trust Bore**—Small flow at 640 ft. to 710 ft., main flow below 776 ft.; bottom in dark grey rock; lined with 368 ft. of 10-in., 478 ft. of 8-in., and 1,078 ft. of 6-in. casing; flow on completion 285,900 g. p. d.; static head 92.1 ft.; temp., 117° F.
- 39. Kaywannah Trust Bore**—Under contemplation.
- 40. Kynuna Town**—Sunk by the department for the Winton Shire Council. For strata, etc., see bore section, 214; original flow (28/12/04)=793,100 g. p. d.; static head, 67 ft.; temp., 150° F. Inspected 21/3/12; flow 140,200 g. p. d.; flow diminished gradually and stopped to flow on 18/9/14; average rate of fall of water-potential during ten years=6.7 ft. per year. Reinspected 17/11/14; W.L. 7 ft. below surface; casing at surface perfectly sound; slight white incrustation.
- 41. Laidley**—Flow, 1,600 g. p. d.; bottom in 40 ft. of schist; see bore section. 141. Water unfit for domestic purposes; site reconveyed to private owners.
- 42. Logie Plains**—Water suitable for stock only; bores have silted up, 2/9/10.
- 43. Mackunda Town**—Original flow, 801,000 g. p. d. At completion of bore-fittings, 21/1/12, the bore was subjected to a static test of 72 hours and was found perfectly tight; normal flow then 714,000 g. p. d.; static head, 109.5 ft.; temp., 142° F. Inspected 2/9/13; flow, 698,000 g. p. d.; static head, 87.6 ft. to 99.2 ft.; temp., 140° F. Reinspected 26/4/14; flow, 644,000 g. p. d.; static head, 85 ft. to 97 ft.; temp., 140° F.
- 45. McKinlay Town**—Original estimated flow over 12 ft. outlet, 350,000 g. p. d.; a soakage at 305 ft.; flow between 837 ft. and 897 ft. in sandstone; bottom in 105 ft. of shale; bore lined with 625 ft. of 10-in., 802 ft. of 8-in., and 200 ft. of 6-in. casing. Inspected 15/8/96; flow over 12 ft. outlet, 185,000 g. p. d.; static head, 75 ft. to 127 ft.; temp., 108° F. Reinspected 5/9/96; outlet cut into 10-in. casing at about 2 ft. above surface ten days previously, which increased the flow to 214,800 g. p. d. Reinspected 30/12/14; flow from lower outlet, 60,200 g. p. d.; static head about 50 ft.; temp., 107° F.; bore casing in good condition; a little red iron oxide present.
- 46. Merridew Trust Bore**—Small flow at 1,515 ft.; increase at 1,756 ft., 1,820 ft., 1,980 ft., 2,020 ft., 2,040 ft., 2,073 ft., 2,085 ft., 2,123 ft., 2,353 ft., 2,417 ft., 2,430 ft., 2,444 ft., and 2,470 ft.; bottom in fine sandrock; measured flow after completion, 607,200 g. p. d.; static head, 55 ft. to 58 ft.
- 47. Middleton Town**—Measured flow (22/8/03), 858,200 g. p. d.; temp., 152° F.; met with about ten distinct water beds; flow increased considerably after completion of bore; see bore section 213. Inspected 10/7/13; flow, 534,400 g. p. d.; static head, 67.6 ft. to 70.1 ft.; temperature, 149.5° F. Reinspected, 26/4/14; flow, 478,150 g. p. d.; static head, 66 ft. to 68 ft.; temp., 149.5° F.
- 48. Mitchell Town**—Four sub-artesian supplies; eleven distinct flows observed at various depths; first flow at 560 ft.; bands of coal at 930 ft.; see bore section 232; sunk by the Department for the Booringa Shire Council; flow on 30/5/08=182,000 g. p. d.; static head, 15 ft.; temp., 96° F. Inspected 6/4/16; part of flow (measured from a 3-in. pipe about 2.5 ft. above top of 8-in. casing)=50,000 g. p. d.; static head, 10 ft.; temp., 96.5° F.
- 48a. Moselle Trust Bore**—Small flow at 1,003 ft.; increase at 1,042 ft., 1,480 ft., 1,520 ft.; main flow at 1,550 ft., and a good flow at 1,567 ft.; no more water below 1,567 ft.; static head at 1,042 ft.=18.5 ft., at 1,520 ft.=25.4 ft., at 1,550 ft.=30 ft. and at 1,567 ft.=32.3 ft.; flow on completion 285,840 g. p. d.; temp., 104° F.; bottom in red marl, sandstone, and clay.
- 49. Muckadilla Town**—Completed to 3,262 ft. in November, 1890; flow, 23,000 g. p. d.; deepened from 3,262 ft. to 3,762 ft. in 1898; no further increase of flow; bottomed apparently primary rocks; static head on 24/2/10=33 ft.; temp., 120° F.; curative water; sanatorium established.
- 52. Bradley's Creek**—Well and pump; supplies travelling stock.
- 53. Nebine Trust Bore**—Under contemplation.
- 55. Normanton Town**—Drilled 71 ft. into granite; original flow, 24/2/96=259,300 g. p. d.; static head, 111 ft.; flow cut off for four days; no leakage outside casing. Again gauged in December, 1897; flow then 239,200 g. p. d.; static head, 97 ft.; flow reported (24/8/03) to be probably less than half the original volume, and is issuing under distinct pulsation. Reinspected 28/8/15; flow, 99,500 g. p. d.; temp., 151° F. (not standard); leakage outside casing about 24,000 g. p. d., increased considerably when valve was partially closed; borehead badly rusted, and is supported by a concrete block at its base; large quantities of very inflammable gas in flow, burns with a blue flame; water very heavily mineralised, and is now very little used by town.
- 56. Prairie Town**—W.L. (9/3/95)=180 ft. below surface, see bore section 136. Steam-pumping plant; erected in August, 1897. Under the control of the Dalrymple Shire Council. W.L. at 220 ft. in later reports, date not known.
- 57. North Rockhampton**—Pump lost in bore; strata unpromising; abandoned.
- 58. Roma Town**—
1. For strata, etc., see bore section 137; flow when first tapped, about 246,000 g. p. d.; on 9/10/99=171,300 g. p. d.; on 11/11/99, after striking main supply in No. 2 bore, 68,000 g. p. d.; and on 21/7/00=52,600 g. p. d.; temp., 98° F.; large leakage outside bore casing.
 2. Bore sunk 3 chains south of No. 1 bore. For strata, etc., see bore section 196. Total flow on 21/7/00=298,000 g. p. d.; temp., 104° F. (depth, 3,431 ft.); on completion (18/10/00) flow was the same, but temp. rose to 121° F.; on 15/9/00 (depth, 3,500 ft.) the static head was 44 ft. to over 55 ft., but as the flow in No. 1 bore increased considerably during the test the maximum head would probably be about 70 ft.; on 20/2/01 the upper flow measured 147,000 g. p. d., temp. 104° F.; and the lower flow (containing gas) 36,300 g. p. d., temp. 113° F. Town water supply direct from Nos 1 and 2 bores; reticulation carried out in 1902; later on the supply of the "Mineral Oil Well" bore was also included. Good illuminating gas was met between 3,683 ft. and 3,709 ft., yielding about 44,625 cu. ft. per diem in February, 1901, and increased to 72,264 cu. ft. per diem up to February, 1904; pressure of gas very high; works for lighting town completed at the beginning of June, 1906; natural gas supply from bore ceased flowing 15th June, 1906; eight seams of coal from 3 in. up to about 2 ft. thick were passed between 1,992 ft. and 2,409 ft. below surface. An unsuccessful attempt was made to deepen this bore.
- 59. Sixty-five Miles**—Leased to T. Duffy. For strata, etc., see bore section 133; original flow (30/9/91)=97,900 g. p. d.; temp. 122° F. Inspected 30/5/96; flow, 97,800 g. p. d.; static head, 150 ft.; temp., (?) 115° F. Reinspected 21/9/12; flow, 36,500 g. p. d.; static head, 78 ft. to 135 ft.; temp., 124.5° F.; lower water bed not penetrated.
- 60. St. George Town**—Sunk by the Department for the Balonne Shire Council. Government grant of half the cost. For strata, etc., see bore section 212; before the 5-in. perforated casing was inserted the flow measured 562,100 g. p. d. Town reticulated in 1907. Measured flow (5/1/04)=542,500 g. p. d.; static head, 358 ft.; temp., 134° F. Inspected 26/6/14; flow, 309,600 g. p. d.; static head, 81 ft. to 245 ft.; temp. not taken.
- 62. Sesbania Trust Bore**—Sub-artesian water at 186 ft., 232 ft., 256 ft., and at 424 ft.; at 245 ft. the water rose to within 118 ft.; small flow at 2,485 ft.; increase at 2,543 ft., 2,580 ft., 2,610 ft., 2,759 ft., 2,806 ft., 2,830 ft., 2,952 ft., 2,978 ft., 3,124 ft., 3,134 ft., 3,144 ft., 3,187 ft., 3,227 ft., and 3,382 ft.; total flow on completion, 450,800 g. p. d.; static head, 32 ft. to 49 ft.; temp., 155° F.; bottom in sandstone; lined with 300 ft. of 10-in., 793 ft. of 8-in., and 3,511 ft. of 6-in. casing.
- 63. Tambo Town**—For strata, etc., see bore section 222. Bore originally sunk by the Government to a depth of 1,002 ft., yielding an estimated flow of 125,000 g. p. d. Inspected 14/6/98; flow, 54,700 g. p. d.; static head, 39 ft.; temp., 94° F.; two-thirds of water flowing between the 10-in. and 6-in. casings. Flow in June, 1901=45,000 g. p. d. Bore sold to Tambo Shire Council for £500 in May, 1901, and deepened by the Council in 1902; flow in September, 1902=855,300 g. p. d.; static head, 79 ft.; temp., 120° F. Again measured by Council in July, 1911; flow, 646,200 g. p. d.; static head, 58 ft.; temp., 118° F. Measured flow in February, 1915=250,000 g. p. d. Pumping plant and high-level tank erected, and town reticulated in 1915.
- 64. Tara Town**—Salt water at 150 ft. rose to 120 ft.; bitter salt water at 180 ft. rose to 119 ft.; small supply of brackish water at 360 ft.; supply of 5,760 g. p. d. of brackish water at 388 ft. rose to 104 ft.; above supplies cased off; last small supply at 482 ft. to 486 ft. rose to within 76 ft.; upper portion lined with 5-in. casing, lower portion uncased; water at 482 ft. unfit for stock, etc. Site chosen by water diviner.

65. Thargomindah District—

Paterson, formerly called "Pioneer"—Sunk by the Department for the Bulloo Shire Council. For strata, etc., see bore section 254. Measured flow after completion (8/9/09)=2,220,000 g. p. d.; temp., 150° F. Inspected 9/3/12; flow, 1,400,000 g. p. d.; computed static head, 196 ft.; temp., 143° F.; outlet, 3 ft. above surface; leakage outside casing amounts to 225,800 g. p. d. with valve open, and increased to 340,200 g. p. d. under a static test of 8 minutes duration; very little gas in water.

Tinderry—Sunk by the Department for Bulloo Shire Council. For strata, etc., see bore section 225; bottom in 57 ft. of coarse quartz sand; flow on 26/11/10=3,200,000 g. p. d.; static head, 374 ft. to 422 ft.; temp., 160° F.; the static-pressure test lasted 72 hours, and the maximum head was noted within 6 hours of closure; there were no signs of leakage outside the casing. Inspected 4/1/12; flow, 1,457,000 g. p. d.; static head, 341 ft. to 421 ft.; temp., 156° F.; the flow was measured after the bore was closed down for about 3 hours under a back pressure of 9 ft. at the surface (caused by borehead and piping). A leak of about 1,000 g. p. d. was noticed outside the 10-in. casing, which increased to about 2,000 g. p. d. during a static test of 15 hours, and the water became milky in colour; this increase subsided again to its normal after the valve was opened.

66. Thargomindah Town—Town reticulated in July, 1895. Electric light plant (three wire system) installed with about fifty lamps to June, 1898. See Report, 15th September, 1898.) Measured flow on 27/9/93=607,300 g. p. d.; temperature, 166° F.; maximum static head on 5/6/00=623 ft. Inspected 24/11/00; static head, 415 ft. to 623 ft.; temp., 161° F. Reinspected 6/1/12; flow, 614,700 g. p. d.; static head, 556 ft. to 624 ft.; temp., 160.5° F. Pressure of the bore is usually kept at about 150 lb. per sq. in. Duration of last static test, 1½ hour. Highest maximum pressure noted in Queensland.

66a. Toorak Trust Bore—In progress.

67. Wallumbilla District—

Village Settlement—For strata, etc., see bore section 198; bottom in grey shale; flow on completion 87,000 g. p. d.; static head, 15 ft.; temp., 92° F. Inspected 31/7/12; flow, 14,250 g. p. d.; after lowering outlet by 2 ft. 8 in.=39,450 g. p. d. Reinspected 4/9/15; flow, 20,790 g. p. d.; no corrosion.

Pickenjennie—For strata, etc., see bore section 210; bottom in sandrock; flow on 3/12/01=151,700 g. p. d.; static head, 24 ft. Inspected 18/9/02; flow, 158,500 g. p. d. Reinspected 3/9/15; flow, 90,000 g. p. d.; no signs of corrosion.

68. Weengallon Trust Bores—

1. Bore taken over from the Department of Public Lands on 1/5/12 at a depth of 2,147 ft.; now a Trust bore; for strata, etc., see bore section 288. Original free flow over open casing on 23/1/14=1,044,800 g. p. d. Inspected 28/6/14; flow, 817,300 g. p. d.; static head, 228 ft. to 273 ft.; temp., 139° F.; flow passes through about 40 ft. of 6-in. horizontal casing; water has an odour of H₂S; pressure test lasted 5 hours 30 minutes.
2. Flow at completion, 924,850 g. p. d.; maximum static head, 219 ft.; temp. at surface, 141° F.; at bottom of bore, 162° F. For strata, etc., see bore section 314. Bottom in sandy shale.
3. In progress.

70. Westbrook Reformatory—

1. A well to 60 ft.; no further supply obtained by boring.
2. W.L. in May, 1916=69 ft. below surface; supply at 130 ft.; lined to bottom with 5-in. casing.
3. Lined with 6-in. casing. W.L. in May, 1916=77 ft. below surface.
4. A well to 87 ft.; main supply at 188 ft.; lined with 116 ft. of 5-in. casing. W.L. in May, 1916=83 ft. below surface.

71. Thompson Watershed—Leased to C. C. Kelly. Original flow, 20,000 g. p. d.; temp., 161° F. For strata, etc., see bore section 130; bottom in shale and sandstone. Inspected 28/8/89; flow, 13,800 g. p. d.; static head, 20 ft. to 181 ft.; temp., 155° F. While flushing the bore a considerable quantity of free gas and dissolved gas under pressure escaped, and some solid light-brown drops of petroleum wax were floating on the water. Outlet, 11 ft. above surface. Reinspected 18/9/16; flow 11,600 g. p. d.; temp., 155° F.; water very fair.

74. Windorah Town—Very small quantity of brackish water at 105 ft., unfit for domestic use; no other supply of water met with below 105 ft.; stated that twelve months after completion the water trickled over the casing.

75. Winton Town—Town reticulated in 1899; water passed through a cooling coil; for strata, etc., see bore section, 42. Inspected 10/1/96; flow, about 596,000 g. p. d.; static head, 270 ft. to 284 ft.; temp., 175° F. (taken in pool). Reinspected 18/1/13; estimated free flow, 480,000 g. p. d.; static head, about 225 ft.;

temp., 182° F., taken at an air temp. of 120° F.; very heavy and hard white incrustation on bore head; gas in flow. Reinspected 30/7/14; estimated flow, 474,000 g. p. d.; static head, 212 ft.; temp., 178° F.; the temp. of flow was taken at an air temp. of 85°; water has an odour of H₂S when freshly drawn; the values of flow and head for the last two inspections were obtained by partial gauging only.

76. Wooroorooka—In charge of Police Department. For strata, etc., see bore section, 197; bottom in bedrock; flow on completion, 30,000 g. p. d.; outlet, about 8 ft. above surface. Inspected 28/9/12; no gaugings made; valve locked; bore still flowing. About 1¼ mile of W.I. piping from bore to town.

76a. Yanboora Trust Bore—Flow 140,200 g. p. d. at 902 ft. with a static head of 46 ft.; at 950 ft. to 975 ft. flow increased to 151,700 g. p. d., at 1,005 ft. to 213,050 g. p. d., and at 1,095 ft. to 473,750 g. p. d., with a static head of 92 ft.; bottom in sandrock; bore lined with 104 ft. of 10 in., 240 ft. of 8-in. and 1,104-ft. of 6-in. casing.

77. Yancho Trust Bore—Under contemplation.

(B)—SUNK BY RAILWAY DEPARTMENT.

78. Bores sunk by hand plant; depth limited by casing available; water brackish or salt.

79. Warreah—Sunk by diamond drill for coal. Torrens Creek—Main supply at 383 ft. to 392 ft. in yellow sandstone; bottom in white sandstone and pipe clay.

80. Mackay—Flowing into a well below surface; supply used for Railway Station.

81. Stanwell—Sunk for coal; part of water escaping through sands of creek bed. Government Geologist's report, dated 13th January, 1898. Flow on completion, over 10,000 g. p. d.; probably abandoned.

82. Maria Creek—Sunk by Calyx drill for coal; met eruptive fire-damp, with an intermittent flow said to be produced by pneumo-dynamic or gas pressure, not by hydrostatic pressure; probably abandoned.

86. Back Creek—No. 1 stopped flowing in about 1895; flow in 1887=72,000 g. p. d.; static head, 11 ft.; bore 2 in. diameter only.

89. Dalby Cattle Yard—Diamond drill bore for coal. Government Geologist's report, dated 17th December, 1898.

90. Mitchell—Flowing into a well at 20 ft. below surface.

92. Marathon—For strata, etc., see bore section, 217; flow on completion, 222,500 g. p. d.; static head, 65 ft.; temp., 101° F.

93. Nondah—For strata, etc., see bore section, 226; original measured flow, 359,100 g. p. d.; initial static head, 143 ft.; temp., 112° F. Inspected 30/7/13; flow, 234,500 g. p. d.; static head, 126 ft. to 146 ft.; temp., 112° F.; very little gas present. Bore supplies engine tank, upper outlet, from bore 30 ft. above surface.

94. Julia Creek—For strata, etc., see bore section, 218; original measured flow, 1,505,400 g. p. d.; static head, 185 ft.; temp., 122° F. Inspected 24/7/14; measured flow of 442,300 g. p. d. is less than the total yield, it being restricted by valves which could not be turned; temp., 121° F. Large leakage outside casing and gas is noticed to be rising in pool; bore supplies engine tank, 35 ft. above ground.

95. Oorindi—For strata, etc., see bore section, 227; original measured flow, 196,900 g. p. d.; static head, 120 ft. (uncertain if maximum); temp., 106° F. Inspected 14/4/15; flow, 112,680 g. p. d.; temp., 105.5° F.; lower outlet partially closed to force water into an elevated tank; fair drinking water; a little gas in flow and some green fungus at bore head. Reinspected 29/3/16; flow, 99,500; static head, 52 ft.; temp., 106° F.; part of the flow is discharged 26 ft. above surface.

(C)—SUNK BY DEPARTMENT OF PUBLIC LANDS.

99. Barmoya—No. 2. Had originally a supply of 5,000 g. p. d.; but became dry.

100. Bell (deep bore)—Struck salt water at 236 ft. and brackish water at 735 ft.; entered into hard rock at 878 ft. and finished in granite.

103. Brigalow—A well to 100 ft., bored 210 ft.

104. Burncluth—

1. Water contains 500 gr. p. g. of saline matter.
2. Too saline for stock.
3. Abandoned in soft pipe clay; a small soak at 343 ft.

106. Cypress Downs—

1. Estimated flow on 11/3/11=1,300,000 g. p. d.; for strata, etc., see bore section, 266; measured flow on 18/4/12=675,000 g. p. d. Inspected 24/6/14; flow, 541,000 g. p. d.; static head, 149 ft. to 191 ft.; temp., 138° F. Reinspected on 9/11/15 and 5/5/16; flow, 520,800 g. p. d. Bore deepened by Water Supply Department in 1916; met additional flows at 2,835 ft., 2,854 ft., 2,880 ft., 2,905 ft., and at 2,980 ft.; bottom in 5 ft. of sand drift; 6-in. casing extended to 3,054 ft. Reinspected 11/1/17; flow, 1,115,360 g. p. d.; static head, 230 ft. to 256 ft.; temp., about 147° F.

2. For strata, etc., see bore section, 267; flow estimated at completion=1,050,000 g. p. d.; no more water met with below 2,672 ft. Inspected 4/6/12; flow, 758,000 g. p. d. Reinspected 3/4/17; flow, 478,150 g. p. d.
- 108.** Mac's Gully—A well to 100 ft.; bored 50 ft.
- 111.** Kaimkillenbun—A well to 69 ft.; bored 10 ft.
- 116.** Mount Morris Estate or Norah Park Trust Bore—Flow after completion, 656,400 g. p. d.; bore sunk by Department of Public Lands to 2,250 ft.; completed by Water Supply Department. Inspected 27/11/14; flow, 607,250 ft.; static head, 75 ft. to 78 ft.; temp., 144° F.
- 125.** Wondalli Estate—
1. A well to 100 ft.; bore lined with 5-in. casing; W.L. on 6/2/09=38 ft. below surface; pumping test at 80 ft.=12,000 g. p. d.; stated that water eventually rose to the surface.
 5. Met with granite at 356 ft.
 6. Bottom in hard rock.
 8. Determined in sand drift.
- Merriwa—Sunk by the department in lieu of services rendered.
- (D)—SUNK BY LOCAL AUTHORITIES.
- 127.** Aramac Nine-mile—Inspected 22/6/97; depth, 613 ft.; flow from 500 ft. in drift sand=63,500 g. p. d.; static head, 36 ft. to 45 ft.; temp., 92.5° F.; bore deepened in 1900 by 300 ft., but no additional flow was met with. Reinspected 26/10/12; flow, 43,000 g. p. d.; static head, 27.5 ft. to 32 ft. Reinspected 9/6/14; flow, 36,000 g. p. d.; temp., 102° F.
- 128.** Aramac Town—Original estimated flow, 810,000 g. p. d.; static head, 68 ft.; temp., 108° F. Inspected 21/6/97; flow, 772,800 g. p. d.; static head, 88.8 ft. to 96.9 ft.; temp., 104° F. Town reticulated in December, 1897. Reinspected 23/1/12; there is a leakage of about 15,000 g. p. d. coming up around the bore and left a large deposit of soda at the surface near the bore. Reinspected 9/7/14; flow, 359,000 g. p. d.; temp., 104° F.
- 129.** Muttaborra Town—Supply at 1,740 ft., 2,480 ft., and at 2,700 ft. (about 250,000 g. p. d. cased off); flow before bore being cased to bottom, 990,000 g. p. d.; lined with 66 ft. of 8-in., 1,700 ft. of 6-in., and 1,007 ft. of 5-in. casing; reticulation of town completed in October, 1905; maximum static head reported to be about 138 ft. Inspected 6/8/14; flow, 520,100 g. p. d.; temp., 139° F.; leak between casings; very good drinking water.
- 130.** Twenty-mile—Original flow, 422,000 g. p. d. Inspected 20/6/12; flow, 285,800 g. p. d.; temp., 99° F.; 6-in. casing corroded through in places above ground; large deposit of iron oxide on bore drain. Flow restricted to about 100,000 g. p. d.
- 131.** Grey Rock—Bottom in 19 ft. of red marl.
- 132.** Barcoaldine Town—Town reticulated in 1895.
- Ash Street Bore—Original depth (June, 1893)=1,320 ft.; static head, 88 ft.; temp., 110° F.; flow diminished through bridging at 1,200 ft.; flow after removing obstruction (February, 1896)=527,000 g. p. d.; temp., 115° F., but after inserting a 4-in. liner the flow was considerably reduced with a static head of 78 ft. Inspected 29/12/97; static head, 69 ft. Reinspected 3/11/99; probable estimated flow at surface=410,000 g. p. d.; static head, 55½ ft.; temp., 113½° F.; bore deepened 1/11/03 to 21/6/04; flow after deepening=640,000 g. p. d.; static head, 42.6 ft.; bore cased with 600 ft. 6-in. and 1,627 ft. of 5-in. casing; not cased below 1,627 ft.; water from lower water-beds of inferior quality; bore terminated in hard rock. Reinspected 16/4/12; flow, about 320,000 g. p. d.; static head, 30 ft.; flow and pressure gauged by shire clerk, date not known.
- Pine Street Bore—First flow at 660 ft.=161,000 g. p. d.; temp., 90° F.; second or main flow=475,000 g. p. d.; bore cased with about 100 ft. of 7-in. and 1,000 ft. of 6-in. casing, the latter string of casing is seated on a band of hard rock. Inspected 4/11/99; full flow could not be measured; static head, 48.1 ft.; temp., 112½° F.; flow gauged by shire clerk 21/12/10=328,000 g. p. d. Reinspected 17/4/12; flow, 223,000 g. p. d.; static head, 20 ft.; flow and pressure as gauged by shire clerk 25/10/11.
- 133.** Blackall Town—Second supply at 2,084 ft.; reticulation of town completed in February, 1905; water passes through a cooling coil.
- 133a.** Mitchell Town Well—Inspected in May, 1916, water brackish.
- 134.** Fifteen-mile—Bottom in limestone
- 135.** Pioneer Well—A well to about 160 ft., bored to 400 ft.; provided with pump, tank, and troughing; not used since completion of Pioneer Bore.
- 137.** Granada Well—The W.L. varies with the underground stream of the Dugald River. Inspected 16/6/16; W.L. 33.2 ft. below surface; water good, but saturated with lime.
- 138 to 140.** Dalby District—Sub-artesian wells, sunk before 1898, from the Government Geologist's report, dated 17th December, 1898.
- Mount Halley—
1. Formation, blue rock nearly throughout.
 2. Formation, sandstone throughout.
- 141.** Wowra—Torrens Creek road; 20-ft. well; McComa's pump at roadside.
- 142.** Richmond—For strata, etc., see bore section, 154; town reticulated in 1904. Inspected —/9/11; no gaugings made; temp., 108° F.; water good.
- 143.** Horseshoe Bend—For strata, etc., see bore section, 229.
- Broken dam—Original flow, about 150,000 g. p. d. Inspected 27/3/14; flow, 128,370 g. p. d.; initial static head, 18.5 ft.; temp., 115.5° F.
- 144.** Hughenden Town—
1. Bore deepened by W. C. Houston and afterwards by Knox; steam-pump test made; water occasionally pumped to September, 1904, but has not been utilised after that date.
 2. For strata, etc., see bore section, 211. Steam-pumping plant and elevated tank erected for the reticulation of the town; works completed in September, 1904. Bore sunk by Water Supply Department. Original W.L. 154 ft. below surface. Stated that in 1907 the W.L. stood at 165 ft., in 1912 at 169 ft., and in October, 1915, at 181 ft. below engine bed, which is about 3 ft. above ground level.
- 145.** Ilfracombe—First flow at about 1,395 ft., increasing to 1,500 ft.; second flow at 1,600 ft. to 1,650 ft.; no more water below this depth (strata consisting of sandstone and thick pipe clay beds). Bore lined with 400 ft. of 8-in. casing, 1,408 ft. 6-in. casing (not seated), 260 ft. of 5-in. casing (seated at 1,660 ft.), and 895 ft. of 4-in. casing resting on bottom; stated that tools were lost in bore. Great leakage between 6-in. and 8-in. casing. Inspected 28/12/97; flow, 480,000 g. p. d.; static head, 77 ft. to 130 ft.; temp., 131° F. (not standard). Reinspected 19/9/99; static head, 72 ft. to 85 ft. (leakage considerable). Reinspected 18/5/12; flow, 208,000 g. p. d. (not reliable, too low); temp., 132° F. Leakage between casings about half of total flow; large amount of red iron oxide in bore drains. Reinspected 8/6/16; flow, 222,000 g. p. d.; temp., 132° F.; leak between 8-in. and 6-in. casings, now 25,000 g. p. d. only; red oxide near bore; water tastes strongly of soda.
- 146.** Yalleroi—Had originally a flow of 59,000 g. p. d., stated that flow ceased after the completion of Castleroi No. 2 bore. Inspected 7/7/11; W.L. then 8 ft. below surface. Bore taken over by Railway Department in 1909 and is now used to supply locomotives.
- 147.** Thornleigh—For strata, etc., see bore section, 209. Inspected 23/10/02; flow, 312,000 g. p. d.; temp., 174° F.
- 148.** Glenusk—First flow at 1,038 ft., second at 1,575 ft., and third flow at 2,140 ft. to 2,300 ft.; total flow on completion, 729,500 g. p. d.; bore lined with 8-in., 6-in., and 5-in. casing.
- 149.** Burra Burra—For strata, etc., see bore section, 230; flow on 14/5/10=359,000 g. p. d.; static head, 231 ft.; temp., 152° F. (gauged by contractor).
- 150.** Longreach Town—For strata, etc., see bore section 125. Inspected 6/1/98; flow then 230,000 g. p. d.; static head, 151 ft. to 225 ft.; temp., 162° F. Bore terminated in 40 ft. of very hard rock. Flow in November, 1900=205,000 g. p. d. (measured by Town Council). Reticulation of town completed in March, 1903. Reinspected in June, 1914; no gaugings could conveniently be made; the bore is kept under a pressure of 25 lb. per sq. in., and has a small surplus flow above the draw for the town supply. A considerable volume of water escapes outside the casings under the above pressure, and is stated to be increasing.
- 151.** Mitchell Rabbit Board—Original W.L. at 160 ft. Water contains 900 gr. of total solids per gallon, including 700 gr. of salt. Inspected 28/9/15; casing withdrawn; bore abandoned.
- 152.** Morven Town—Bottomed primary rocks; has one of the best bore waters analysed; for strata, etc., see bore section 132. Original W.L. at 32 ft. and yield, 200,000 g. p. d.; W.L. in October, 1898, at 60 ft. below top of casing; 3-h.p. steam pump erected. Sunk at cost of Shire Council and Railway Department. Inspected 10/8/15; W.L. stated to be 105 ft. below top of casing.
- PRIVATE BORES.
- 155.** Aberfoyle Run—
- A Eight sub-artesian supplies struck above the artesian bed; fills a lagoon; flowing at the rate of 5,000 g. p. d. below surface level.
 - B Well sunk to 81½ ft.
 - C First supply at 80 ft. was artesian; casing corroded.
 - D Five separate supplies.
 - E Fills troughing below surface level; flowing at the rate of 4,320 g. p. d.
- 156.** Adavale—From Government Geologist's table, 1894.

157. Adelong Bores Nos. 1 and 2 are close to a mud spring.

Longden or Healy's Bore—Supply at about 70 ft. rose to within 60 ft.; bore lined with 90 ft. of 5-in. casing; bottom in white sandstone.

158. Afton Downs—

1. Original depth, 1,497 ft. on 13/6/92; first supply at 1,215 ft. Deepened to increase flow, 27/7/92; second supply at 1,560 ft. Inspected in April, 1897; flow=184,000 g. p. d.; static head, 20 ft. Ceased to flow in about 1903. Reinspected 4/9/12; W.L., 24 ft. below surface.

2. Original depth, 844 ft., 27/7/92; first supply at 672 ft. Deepened; second supply from 1,013 ft. rose originally 12 in. over 8-in. casing. Inspected 17/4/97; flow, 999,640 g. p. d.; static head, 32 ft.; temp., 103° F.; formerly used for wool-scouring. In May, 1902, the flow was stated to be about 660,000 g. p. d.; and in May, 1912, about 126,000 g. p. d. Stated that the water from the second water-bed corroded bore casing, and it was impossible to lower the tools for deepening this bore. Reinspected 25/4/14; flow, 47,000 g. p. d.; temp., 102.5° F.; iron oxide in bore drain; flow increases when No. 3 bore is closed down.

3. Three supplies. Inspected in April, 1897; flow, 99,090 g. p. d.; static head, about 9 ft.; temp., 123.5° F.; flow, measured by owner on 31/3/12=30,000 g. p. d.; stated that very little deterioration took place during the first 12-15 years. Flow on 27/6/12 augmented by a windmill and pump; temp. at pump barrel, 120.4° F. Reinspected 21/5/14; flow, 16,200 g. p. d.; temp., 118° F.; gas present and rust in bore drain.

4. Inspected April, 1897; flow, 529,660 g. p. d.; static head, 30 ft.; temp., 98° F. Reinspected 22/5/14; flow, 239,000 g. p. d.; static head, 18 ft. to 19 ft.; temp., 97.5° F.; leakage outside casing when under closure.

5. Sub-artesian water at 610 ft. and at 1,000 ft.; flow, about 2 in. over casing at 1,140 ft.; bottom in red shale; lined with about 1,100 ft. of 5-in. casing. Inspected 27/4/97; flow, 66,300 g. p. d.; static head, 3.6 ft.; temp., 100° F. Flow diminished to 20,000 gallons per day (April, 1897). Ceased flowing about June, 1900. W.L. on 27/9/02 at about 10 ft. below surface. Reinspected 19/4/12; W.L., 21 ft. below surface; water very slightly corrosive.

6. Former estimated flow, 400,000 g. p. d. Inspected 19/4/12; flow estimated at 275,000 g. p. d.; temp., 108° F.; water somewhat corrosive.

7. Some salt water at 41 ft.; supply at 1,094 ft., rose to within 10 ft.; flow at 1,500 ft.; bottom in red shale; lined with 1,130 ft. of 6-in. and 1,508 ft. of 5-in. casing. Estimated flow at completion=170,000 g. p. d.; static head, about 20 ft. Ceased to flow in November, 1909. W.L. below top of casing (11/12/09)=2 ft.; (30/7/10)=4 ft. 7 in. Inspected 28/6/12; W.L., 9 ft. 6 in.; bore water somewhat corrosive; bore hole quite clear.

7A. Inspected 3/8/12; bore in progress; depth, 400 ft.; 80 ft. of 8-in. casing in bore. Reinspected December, 1913; W.L., 8 ft. below surface; lined with 1,145 ft. of 6-in. casing.

8. Inspected 2/9/12; flow estimated at 500,000 g. p. d.; temp., 112° F.; water issuing between 8-in and 6-in. casings; water slightly corrosive; white sodaic incrustation on casing.

9. For strata, etc., see Lic. 86. Original estimated flow, 525,000 g. p. d. Inspected 22/5/14; flow, 315,000 g. p. d.; static head, 27 ft. to 29 ft.; temp., 104° F.; flow restricted to 220,000 g. p. d. During the pressure test of 1 hour 37 minutes duration the flow in No. 2 bore (22 chains distant) increased by 25,000 g. p. d. Considerable amount of non-inflammable gas present.

10. For strata, etc., see Lic. 119. Measured flow, 14/2/14=128,500 g. p. d. Inspected 21/5/14; flow, 98,000 g. p. d.; static head, 10 ft. to 11.4 ft.; temp., 109° F.; large quantity of non-inflammable gas present.

Ingleounda—For strata, etc., see bore section 298 and notice No. 5. Inspected 21/6/12; estimated flow on completion, 210,000 g. p. d.; temp., 126° F.; a little gas in flow.

Como—Bore lined with 8-in. and 6-in. casings. Inspected 5/9/12; estimated flow, 250,000 g. p. d.; temp., 123.5° F.; water gives off a considerable amount of gas; slight corrosion on casing. Reinspected 15/6/15; flow, 252,550 g. p. d.; temp., 124° F.; water comes up (?) outside casing (8 in. casing not visible); water very clear and soft.

Wariana—Met with a flow at 900 ft. to 924 ft.; main flow at 1,325 ft. to 1,466 ft., and then some more water to 1,551 ft.; total flow, 15 in. over 6-in. casing; bore lined with 9 ft. of 10-in., 270 ft. of 8-in., and 1,333 ft. of 6-in. casing. See Lic. 203. Inspected 28/10/14; flow, 775,700 g. p. d. Reinspected 15/7/15; flow restricted to 322,260 g. p. d.

Dunluce—Original estimated flow, 225,000 g. p. d.; bore lined with 6-in., 5-in., and 4-in. casing; flow diminished (chiefly due to caving below 5-in. casing), and a string of 4-in. casing was inserted about May, 1911, regaining a flow of 5 in. over 4-in. casing. Inspected 5/4/12; estimated flow, 150,000 g. p. d.; temp., 97° F.; water somewhat corrosive.

Alba Wool-Scouring Company—Bores 1 and 2 are 12 ft. apart; they were sunk to the first water bed. Reported W.L. in 1901=13 ft.; in April, 1907=15 ft.; in April, 1912=22 ft.; and in May, 1914=30 ft. below surface. Inspected 18/4/12, and May, 1914; W.L. not obtained. Reinspected 10/8/14; W.L., 35 ft. below surface; bore 2 lined with 300 ft. of 8-in. and 776 ft. of 6-in. casing; first water struck at 726 ft.; sandrock to 953 ft.; pumped at the rate of 4,000 gallons per hour.

159. Albilbah—

1 and 2. Water brackish.

3. Very small supply.

Coxon's Albilbah Resumption—1 and 2. Lined with 6-in. casing.

160. Albion Downs—Original estimated flow, 1,150,000 g. p. d. Inspected 21/7/11; flow estimated at 860,000 g. p. d. (17 in. over 6-in. casing); incrustation on casing. Reinspected 31/9/14; flow, 629,000 g. p. d.; temp., 154° F.; thick ferruginous incrustation on outside of casing; a little gas in flow.

Wetherby, Albion Downs Resumption—Inspected 26/7/11; flow, a trickle; drilling stopped; tools fast in bore. Reinspected 1/9/14; flow, 2,500 g. p. d.; temp., 98° F.; pressure good.

161. Alice Downs—

1. Flow at 2,143 ft.=133,000 g. p. d., and at 2,814 ft.=400,000 g. p. d.; bore lined with 80 ft. of 10-in., 960 ft. of 8-in., 1,520 ft. of 6-in.; and 1,985 ft. of 5-in. casing. Inspected 1/7/98; flow, 373,250 g. p. d.; static head, 98 ft. to 115 ft.; temp., 133° F.; outlet, 12 ft. above ground. Reinspected 19/9/11; no gaugings made; stated that no variation has been observed in the flow.

2. First water at 1,600 ft., and second below 3,200 ft.; bottom in hard rock; original flow, 13 in. over 6-in. casing, or about 720,000 g. p. d. Inspected 1/5/00; flow not gauged; static head, 73 ft. to over 77 ft.; temp., 146° F. A considerable flow issues between the 8-in. and 6-in. casing; this increased to 4 in. over the 8-in. casing during the static test, lasting eleven minutes. Reinspected 12/10/11; no gaugings made; stated that no variation has been observed in the flow.

3. A soakage at 280 ft.; flow at 1,760 ft. to 1,800 ft., at 2,280 ft. to 2,325 ft., and at 2,830 ft. to 3,235 ft., total 797,700 g. p. d.; terminated in 9 ft. of sticky shale; bore lined with 125 ft. of 8-in. and 2,810 ft. of 6-in. casing. Inspected 18/9/11; no gaugings made; stated that no variation in flow has been observed.

4. Inspected 27/9/11; W.L., 63 ft. below surface (by owner); bore lined to 96 ft. with 6-in. casing.

5. Salt water at 82 ft.; fresh water at 103 ft.; W.L. at 60 ft. below surface; bore lined to 121 ft. with 6-in. casing. Inspected 3/10/11.

6. Salt water at 78 ft.; fresh water in last 30 ft.; W.L. at 69 ft. below surface; bore lined with 33 ft. of 8-in. and 158 ft. of 6-in. casing. Inspected 6/10/11.

Alice Downs Resumption—

Norwood (W. D. Cooper's)—Supplies at 117 ft. and 170 ft.; W.L. at 66 ft. below surface; lined to bottom with 6-in. casing. Inspected 2/10/11; water slightly brackish; not used at present. Reinspected 3/6/15; W.L. given as 50 ft. below surface; pumped by windmill.

Derry—Soak at 80 ft.; supply at 230 ft. rose to 40 ft. below surface; lined with 257 ft. of 6-in. casing; bottom in sandy shale. Inspected 9/4/15; permanent W.L. at 62 ft.; water used for domestic purposes.

162. Alpha District, Colorado Selection—

Beta—Some saltwater at 300 ft., fresh water at 600 ft. rose to 180 ft.; lined with 614 ft. of 5-in. casing.

Warborton—Some water at 110 ft. and 200 ft., did not rise; slightly brackish water at 335 ft. rose to 100 ft.; lined with 300 ft. of 6-in. casing.

Homestead—Lined with 476 ft. of 6-in. casing.

Owens—A soak at 160 ft. fresh water at 350 ft. rose to 200 ft.; lined with 365 ft. of 6-in. casing.

Creek Farm Selection—

Monks—Good supply of fresh water at 230 ft. rose to 130 ft.

Middle—Good supply of fresh water at 130 ft. did not rise.

Homestead—Good supply of fresh water at 140 ft. rose to 120 ft.; lined with 140 ft. of 6-in. casing.

Lambert Selection—Small supply at 250 ft. rose to 170 ft.; owner does not intend going deeper.

Sedgeford Lees—

1. A soak at 220 ft.; supplies at 264 ft. and 404 ft. did not rise; W.L. at 220 ft. below surface, but is easily pumped dry; lined with 407 ft. of 6-in. casing.

2. A soak at 45 ft.; supplies at 74 ft. and 125 ft. rose to 45 ft. below surface.

3. Water at 216 ft. and 261 ft.; supply at 464 ft. rose to 216 ft.; not utilised.

4. A soak at 280 ft., supply at 647 ft. did not rise.

5. A soak at 110 ft., supply at 120 ft. rose to 45 ft.; not pumped; water fresh.

6. A soak at 184 ft., supply at 290 ft. rose to 90 ft.; water fresh.

7. No water met with.
- Jessdale Selection—A soak at 40 ft. good supply of fresh water at 70 ft. rose to 40 ft.; lined with 70 ft. of 6-in. casing.
- Kurrajong Selection—A soak at 40 ft., good supply at 70 ft. rose to 40 ft.
- Clews Selection—
1. Supply at 60 ft. rose to 50 ft.; lined with 82 ft. of 6-in. casing; water fresh.
 2. Large supply at 180 ft. did not rise.
- Cheshire Selection—
- Old Mill—Good supply of fresh water at 320 ft. did not rise; said that it could not be lowered by pumping beyond 326 ft.; lined with 426 ft. of 6-in. casing.
- Little Plain—Small supply of fresh water at 400 ft. did not rise; lined with 695 ft. of 6-in. casing.
- Homestead—Small supply at 312 ft. did not rise; lined with 367 ft. of 6-in. casing.
- Alpha Selection—
1. A soak at 82 ft. and a small supply at 424 ft. rose to 414 ft.
 2. A soak at 290 ft., supply at 337 ft. rose to 331 ft.; lined with 351 ft. of 6-in. casing.
 3. A fair supply of good fresh water at 330 ft. rose to 325 ft.; lined with 412 ft. of 6-in. casing.
- Drummondslope Lease—
- Four Mile—Supply at 400 ft. rose to 235 ft.
- Homestead—A soak at 42 ft., supply at 480 ft. rose to 300 ft.
- Note: The bores of above Group were visited in Feb., 1917.
- 163. Ambathala—**
1. Small flow; no other particulars; casing damaged.
 2. Original flow, etc., not known. Inspected 7/1/15; flow, 450,800 g. p. d.; temp., 144° F.; no pressure test; water comes up 50 ft. away from the bore on closure; stated that 6-in. casing is parted, and that there are several tools lost in bore; outlet for wooldour, 10 ft. above W.L. in pool.
- 164. Angellala Downs—**
1. No boring records; bore lined with 273 ft. of 6-in. casing. Inspected 6/12/15; W.L. at 234.75 ft. below surface; bore hole too crooked to insert pump casing; water not used.
 2. Sunk 8 chains north of No. 1 bore; struck a supply at 250 ft.; rose to 241 ft.; no other supply was met with below this depth; pumping test lasting three weeks with pump 6 ft. below W.L.; some coal was met with between 900 ft. to 1,000 ft.; bottom in (?) drift sand; bore lined with 1,100 ft. of 6-in. casing (fast). Inspected 6/12/15; W.L. at 241 ft.; water good.
 3. Six-in. casing jammed; tools lost in bore. Inspected December, 1915; the hole is dry, and discharges a large amount of gas under some pressure.
 4. Sunk a few feet distant of No. 3 bore; struck a supply at 407 ft.
- 165. Arabella ("Highfield")—**For strata, etc., see bore section, 207; static head on completion=17 ft. Quality of water similar to that of Charleville Meatworks Bore (see Remarks). Inspected 30/11/98; flow=111,300 g. p. d.; temp., 137° F. Ceased flowing before August, 1908.
- 166. Aramac Lease—**
1. No boring records; 8-in. casing visible. Original estimated flow, 1,300,000 g. p. d. Inspected June, 1897; approx. flow, 460,000 g. p. d.; static head, 25.4 ft. to 31.1 ft.; temp., 89.5° F. Reinspected 16/10/12; flow, 240,100 g. p. d.; static head, 15 ft. to 16 ft.; temp., 89° F.; duration of static test 50 minutes. Reinspected 8/1/13; no gaugings made; casing in good condition; temp., 88.5° F.; water very good.
 2. Inspected June, 1897; flow diminished (through bore caving) to 80,830 g. p. d.; static head, 53 ft.; temp., 98° F. Bore recased in October, 1897, when the original flow was restored and estimated at over 720,000 g. p. d. Reinspected 17/10/12; flow=137,500 g. p. d.; initial static head, 40 ft. Reinspected 10/7/14; flow, 93,700 g. p. d.; static head, 6.7 ft. to 6.9 ft.; temp., 98° F. Bore water evidently corrosive; 6-in. casing corroded away at 524 ft. and 740 ft. See Lic. 163.
 - 2A. For strata, etc., see Lic. 178. Original estimated flow, 435,000 g. p. d. Inspected 11/7/14; flow, 358,800 g. p. d.; temp., 100° F.; bore 30 ft. north of No. 2 bore.
- 3 and 4. See Politic Nos. 3 and 4.
5. No boring records; lined with 6-in. casing. Inspected June, 1897; flow, 677,000 g. p. d.; static head, 44 ft. to 53 ft.; temp., 91° F. Reinspected 19/10/12; flow, 444,000 g. p. d.; 6-in. casing badly corroded below the base of the C.I. bore head. Reinspected 5/7/14; flow, 437,300 g. p. d.; temp., 90° F.
 6. No boring records. Inspected June, 1897; flow diminished (through bore caving) to 130,000 g. p. d.; static head, 59 ft. to 61 ft.; temp., 97° F.; bore recased in November, 1897, after which the flow was estimated at 680,000 g. p. d.; bore cased with 5-in. and 6-in.

casing. Reinspected 15/10/12; flow, 352,700 g. p. d.; static head, 28 ft. to 31.3 ft.; temp., 96.5° F.; large leak outside casing in 1893, remedied by a cement block 8 ft. deep and 18 in. diameter. Duration of static test 1 hour 48 minutes.

7. A well to 60 ft. Inspected in June, 1897; W.L. 48 ft. below surface; pumping supply, 100,000 g. p. d.; bore abandoned.
 - 7A. Sunk 20 ft. away from No. 7 bore; no boring records; lined with 120 ft. of 6-in. and some 5-in. casing. Inspected 6/11/12; W.L. 73 ft. below surface; good drinking water.
 9. W.L. on completion, 60 ft. below surface.
 10. Original estimated flow, 180,000 g. p. d. Inspected 21/10/12; flow, 53,000 g. p. d.; static head, 6 ft.; temp., 79.5° F.; flow measured by bucket. Casing consists of 3-in. G.I.P.; outlet 18 in. above ground.
 11. Sand pump lost in bore; abandoned.
 - 11A. Sunk close to No. 11 bore. Supply at 15 ft., 45 ft., 60 ft., and 100 ft.; rose to 2.7 ft. below surface; lined with 56 ft. of 4-in. casing. Inspected 8/11/12; W.L. 4 ft. below surface; water good.
 12. Original estimated flow, 100,000 g. p. d. Inspected 20/10/12; flow, 24,000 g. p. d.; static head, 2.8 ft.; temp., 79° F.; outlet 1 ft. above ground; flow by bucket measure; casing consists of 3 in. G.I.P.
 - 12A. Sunk close to No. 12 bore. Gradual increase of flow from top; flow at 220 ft.=21,000 g. p. d.; bottom in silt; sand pump fast at bottom; lined with 45 ft. of 6-in. and 171 ft. of 5-in. casing. Stated that flow is rapidly decreasing; see Lic. 257.
 13. Former flow uncertain; strata mud all the way; lined with 3-in. casing. Inspected 14/1/13; flow, about 450 g. p. d.; temp., 77° F.; water very good.
 - 13A. Sunk close to No. 13; lined with 3-in. casing. Inspected 14/1/13; flow, 550 g. p. d.; temp., 77° F.
 14. Strata mud; lined with 3-in. casing. Inspected 14/1/13; flow, 13,000 g. p. d.; temp., 78° F.; very good drinking water.
 15. Original estimated flow, 230,000 g. p. d. Inspected 8/11/12; flow, 47,500 g. p. d.; static head, 4 ft.; temp., 80° F.; flow by bucket measure. Casing consists of 3-in. G.I.P. and is badly pitted; outlet 19 in. above ground.
 16. Struck flow at 304 ft., originally estimated at 450,000 g. p. d.; bottom in 112 ft. of sandstone; bore lined with 33 ft. of 10-in., 112 ft. of 8-in., and 277 ft. of 6-in. casing; see Lic. 41. Inspected 1/6/14; flow, 410,700 g. p. d.; static head, 16 ft. to 25.4 ft.; temp., 89° F. Water very soft and good; flow between 8-in. and 6-in. casings.
 17. Supply at 305 ft., rose to 295 ft.; bottom in red clay; lined with 35 ft. of 8-in. and 370 ft. of 6-in. casing; see Permit 14.
 18. A little salt water at 45 ft.; fair supply of fresh water at 175 ft.; good supplies at 310 ft. to 680 ft.; rose to 2.5 ft.; bottom in red marl; lined with 408 ft. of 6-in. casing; see Lic. 308.
- Myrtle Farm, Aramac Resumption—
1. Met with fresh water at 8 ft.; flow at 46 ft. to bottom, about 40,000 g. p. d.; bottom in sandstone; lined with 40 ft. of 4-in. casing; see Lic. 290.
 2. Met with fresh water at 2 ft.; flow of about 20,000 g. p. d. from 57 ft. to 63 ft.; bottom in sandstone; lined with 39 ft. of 4-in. casing; see Lic. 290A.
- 167. Aramac and Coreena Resumptions—**
- Taree—
1. Supply at 165 ft. rose to 40 ft.; flow at 215 ft.; lined with 178 ft. of 6-in. casing; original estimated flow, 185,000 g. p. d. Inspected 8/10/12; flow 100,000 g. p. d. Casing badly pitted; large amount of red iron oxide in bore drains. Reinspected 15/7/14; flow, 85,500 g. p. d.; temp., 84.5° F.
 2. Flow at 138 ft.; lined with 9 ft. of 6-in. and 35 ft. of 4-in. casing, original flow, 5½ in. over 4-in. casing, which fell to 4½ in. the day after completion. Inspected 9/10/12; flow, 115,000 g. p. d.; temp., 81° F. Casing corroded away by bore-water in less than two years.
- Murrabit—
1. Supply at 150 ft.; lined with 20 ft. of 8-in. and 200 ft. of 6-in. casing; original W.L. 5 ft. below surface; bore redrilled for 6-in. casing in 1893, former diameter 3-in. only. Inspected 25/11/12; W.L. 23 ft. below surface; temp., 82° F.
 2. Salt water at 27 ft., rose to 10 ft.; flow at 143 ft. to 220 ft.; lined with 103 ft. of 5-in. casing; bottom in sandstone; original estimated flow=185,000 g. p. d. Inspected 8/10/12; flow, 170,000 g. p. d.; temp., 86° F. Casing badly corroded; a heavy deposit of red iron oxide in bore drain; water tastes strongly of iron.
- Politic—
1. Diameter of casing 3 in.; sunk beside a mound spring. Inspected 9/8/12; flow, 63,500 g. p. d.; temp., 82° F. Casing almost corroded away by bore water.

2. Diameter of casing 4 in. Inspected 9/8/12; flow, 34,000 g. p. d.; temp., 80° F. Casing projects 18 in. above ground and is corroded almost right through in several places.
3. Inspected 14/6/97; flow, 950,500 g. p. d.; pressure good; temp., 97° F.; 5-in. casing slipped and defective. Reinspected 13/7/14; flow, 563,000 g. p. d. (outlet lowered by 4 ft.); temp., 97° F.; no casing visible; water apparently corrosive.
4. Lined with 6-in. casing; original estimated flow, 715,000 g. p. d. Inspected June, 1897; flow, 355,500 g. p. d.; gauged under a back pressure of 4 lb.; static head, 62 ft. to 73.7 ft.; temp., 92° F. Reinspected 19/10/12; static head, 46 ft. to 48 ft.; flow of 171,000 g. p. d. measured under a back pressure of 9½ lb., caused by 3-in. piping; temp., 92° F.

Ivy Leaf—

1. Lined with 285 ft. of 5-in. casing. Inspected 21/12/12; W.L. 260 ft. below surface; temp., 80° F.; water good.
- 1A. Sunk 5 ft. distant of No. 1 bore. Stated that bore had to be abandoned through a bag being dropped into the hole by a whirlwind.
2. Proposed (levelled).

168. Aramac North District— Stainburn—

1. No boring records; lined with 6-in. casing; recased in March, 1896. Inspected 24/4/13; flow, 437,300 g. p. d.; temp., 103° F.; water very good; no corrosion.
2. Small flow at 750 ft.; main flow at 1,000 ft., estimated at 1,750,000 g. p. d. Inspected June, 1897; flow, 759,000 g. p. d. Bore recased in March, 1896; lined with 150 ft. of 8-in. and about 1,100 ft. of 6-in. casing. Reinspected 26/4/13; flow, 461,000 g. p. d.; temp., 102° F. Casing badly corroded; water very good.
3. Small flow at 1,219 ft., main flow at 1,628 ft.; bottom in 176 ft. of sandrock; lined with 202 ft. of 8-in. and 1,628 ft. of 6-in. casing; flow on completion, 403,800 g. p. d. (by driller). See Lic. 230.

Stagmount—

1. Flow diminished gradually through caving; the estimated flow, after recasing the bore in March, 1892, was 1,500,000 g. p. d.; lined with about 500 ft. of 6-in. and 988 ft. of 5-in. casing. Inspected 24/7/97; flow then 644,500 g. p. d.; static head, 39 ft. to 46 ft.; temp., 97° F.; some leak outside bore casing when under closure. Reinspected 30/4/13; flow, 411,300 g. p. d.; temp., 97° F.; bore head seriously corroded. Reinspected 4/6/14; flow, 285,000 g. p. d.; casing apparently corroded below surface; hydraulic ram employed for house supply.
2. Water at 730 ft.; rose to 60 ft.; small flow at 830 ft.; main flow at 2,019 ft.; lined with 1,500 ft. of 5-in. and 2,019 ft. of 4-in. casing; original reputed flow, 185,000 g. p. d. Inspected 29/11/13 and 2/6/14; on both dates the flow measured the same—namely, 76,800 g. p. d.; leak between casings, and casings very much corroded.
3. Some water at 200 ft.; main supply at bottom; lined with 586 ft. of 6-in. casing. Inspected 14/7/13; bore determined in drift sand; water slightly brackish; W.L. 70 ft. below surface.

Kingsborough—Flow at 1,180 ft. and 1,500 ft.; lined with 70 ft. of 8-in. and 1,179 ft. of 5-in. casing. Inspected 29/5/13; flow, about 365,000 g. p. d.; temp., 111° F. Casing very badly corroded; water very good.

Glenamble (formerly Park Farm)—Flow at 1,200 ft. and 1,650 ft.; lined with 80 ft. of 8-in. and 1,700 ft. of 6-in. casing; original estimated flow, 715,000 g. p. d. Inspected 24/3/13; flow 478,000 g. p. d.; casing badly corroded; heavy red deposit in bore drain, also a growth of green slime on bore head. Reinspected 20/7/14; flow, 444,000 g. p. d.; temp., 119° F.

Powella—No boring records; original flow, 670,000 g. p. d. Inspected 28/10/12; flow, 556,000 g. p. d.; temp., 120° F.; a small hole corroded through 5-in. casing; heavy deposit of red iron oxide in bore drains and a green vegetable growth over bore head. Reinspected 5/8/16; flow, 520,000 g. p. d.; temp., 119° F.; said to be lined with 5-in. casing to bottom; casing rusted through above clamps; water very good.

Myrtle Farm Trust Bore—On G.H. 118, owned by Mrs. Annie Tart. Met with a salt soakage at 170 ft.; first flow of about 50,000 g. p. d. at 830 ft.; second flow at 1,218 ft.; bottom in 32 ft. of sand rock; bore lined with 336 ft. of 8-in. and 1,227 ft. of 6-in. casing; see Lic. 204. Inspected 19/10/15; flow, 750,000 g. p. d.; no static test; water very good; a slight tinge of red iron oxide at bore.

169. Ardoch—

1. Original estimated flow at 1,030 ft.=3,000 g. p. d., at 1,970 ft. 15,000, at 2,284 ft. 455,000, at 2,323 ft. 900,000, and at 2,604 ft. 1,850,000 g. p. d.; 6-in. casing visible. Inspected 4/11/13; flow, 1,045,000 g. p. d.; static head, 347 ft. to 406 ft.; temp., 154.5° F. Leak of 25,000 g. p. d. outside casing unaffected by static test.
 2. No boring records; original estimated flow, 1,750,000 g. p. d.
- Saltbush Plains—Bore in progress; see Lic. 222.

170. Arrabury—Great rush of water when tapped; tools left in well.

171. Authoringa and Riversleigh—

1. Vera Park—Original depth in February, 1896=1,464 ft. and reputed flow about 630,000 g. p. d.; bore deepened subsequently to about 2,000 ft.; no data; bore lined with 5-in. casing; tools lost in bore obstruction at 65 ft. from surface; bore ceased to flow in June, 1914. Inspected 23/6/15; W.L. at 4 ft.; pumping test with 2-in. centrifugal pump=61,000 g. p. d.; water good; temp., 117° F.
2. Original W.L. at 60 ft., in 1912 at 96 ft.; stated that bedrock was reached; bore lined with 6-in. casing. Inspected 27/6/15; W.L. at 104 ft.; water good.
3. Original estimated flow, 150,000 g. p. d.; main flow at 1,207 ft.; bottom in 60 ft. of hard rock; lined to 1,200 ft. with 5-in. casing. Inspected 11/7/15; flow, 74,700 g. p. d.; static head, about 11 ft. (In November, 1914, the outlet was lowered by 2.75 ft., increasing the flow by about 25 per cent.) Variation of temp. in bore; at surface 107° F., at 278 ft.=108.6°, at 674 ft.=110.7°, and at 1,121 ft.=112.6° F.; water good; casing badly corroded externally.

Shelbourne—Met with a soak at 650 ft.; flow at 880 ft., 914 ft., 935 ft., and 950 ft.; total flow, about 2 in. over casing; bottom in 271 ft. of pipe clay and sand. Bore lined with 50 ft. of 8-in. and 950 ft. of 6-in. casing; see Lic. 114. Inspected 9/7/15; flow, 98,300 g. p. d.; static head, about 16 ft.; water good; variation of temp. in bore; at surface 101°, at 342 ft.=102°, and at 1,039 ft.=108.8° F.

Colombo—Small flows at 1,100 ft. and 1,500 ft.; 6-in. casing hanging on clamps; leakage outside of casing, when valve is closed, amounting to 124,000 g. p. d.; outlet, 4 ft. above surface. Inspected November, 1910; flow, 950,000 g. p. d.; initial static head, 122 ft.; temp. 118° F.

Bicton (Authoringa Resumption)—

1. Originally a small flow, and static head over 14.5 ft.; water bed at 730 ft. Inspected 28/6/15; flow, 3,220 g. p. d.; static head, less than 14.5 ft.; temp., (?) 85° F.; water good; bore lined with 6-in. casing.
2. Originally a small flow; water bed at 790 ft.; bore lined with 6-in. casing; bore ceased to flow about August, 1914. Inspected 28/6/15; W.L. about 1 ft. below surface; water good.
3. Very small supply of fresh water at 240 ft. and 415 ft.; did not rise in bore; flow of 24,000 g. p. d. at bottom; bore lined with 670 ft. of 6-in. casing; see Lic. 197. Inspected 8/6/15; flow, 20,800 g. p. d.; static head, 12 ft. to 22 ft.; temp., 91.5° F.; water good. Variation of temp. in bore; at surface 91.5°, at 234 ft.=93°, and at 702 ft.=96° F.
4. Original flow of about 2,500 g. p. d. at 805 ft. in 5 ft. of sandstone; bore lined with 200 ft. of 8-in. and 708 ft. of 6-in. casing; see Lic. 198. Inspected 7/6/15; flow, 1,260 g. p. d.; water good. Variation of temp. in bore; at surface 86° F., at 371 ft.=94.5°, and at 833 ft. 102° F.

172. Avington Lease—Original estimated flow, 985,000 g. p. d.

Avington Resumption—

Mulgrave—Original estimated flow, 500,000 g. p. d.; for strata, etc., see bore section, 271, and Lic. 20. Inspected 28/8/15; reported flow, 540,000 g. p. d.

Por. 1v (T. Burns)—Salt soak at 48 ft.; a little water at 290 ft. and 375 ft.; main supply at 409 ft.; rose to 33 ft.; lined with 421 ft. of 6-in. casing; see Permit 77. Reported W.L. on 1/12/16=19 ft. below surface; good stock water; not used.

Avonleigh and Melrose—

1. Lined to bottom with 6-in. casing. Inspected 7/4/15; W.L. at 53 ft.; water brackish; fit for stock.
2. Lined to bottom with 6-in. casing. Inspected 7/4/15; W.L. at 60 ft.; water very brackish.
3. Salt water at 135 ft.; supply at 294 ft. rose to 56 ft.; lined with 295 ft. of 6-in. casing; see Permit 27.
4. Lined to bottom with 6-in. casing. Inspected 7/4/15; W.L. at 60 ft.; water brackish; fit for stock.

Coolagh No. 1—Large supply of very salt water at 169 ft. (cased off); supply of slightly brackish water at 547 ft., rose to within 60 ft.; pumping test at 200 ft.; lined with 582 ft. of 6-in. casing.

Urambee Selection—

1. Supply of fresh water at 150 ft. rose to 84 ft.; lined with 74 ft. of 5-in. casing; water used for house supply.
2. Small supply of salt water at 230 ft. rose to 129 ft.; lined with 75 ft. of 6-in. casing; water not used.
3. Supply of fresh water at 300 ft. rose to 155 ft.; lined with 223 ft. of 5-in. casing.
4. Salt water at 159 ft.; supply of brackish water at 789 ft. rose to 112 ft.; lined with 50 ft. of 6-in. and 790 ft. of 5-in. casing; good stock water.
5. Small supply at 320 ft.; supply at 350 ft. to 380 ft. rose to 120 ft.; lined with 53 ft. of 6-in. and 315 ft. of 5-in. casing; water rather salty, but good stock water.
6. Supply of brackish water at 300 ft. rose to 100 ft.; lined with 340 ft. of 5-in. casing.

173. Avondale—

1. No boring records.
2. Main flow below 1,200 ft.; lined with 1,571 ft. of 6-in. casing; jet over 6-in. casing=5 ft. 2 in. on completion. Stated that water was running through paddocks in delver-made drains for 60 miles. Inspected 27/9/12; flow, 899,700 g. p. d.; static head, 257 ft. to 310 ft.; temp., 116° F.; outlet, 11 ft. above ground. Casing badly rusted above W.L., sound below.

174. Ayrshire Downs—

1. Former estimated flow, 450,000 g. p. d. Inspected 6/2/11; approximate flow by flume measure, 350,000 g. p. d.; probable small leak, outside casing, issuing 30 ft. away from bore; large deposit of mineral matter tinted with iron rust. Reinspected 12/3/13; flow, 274,200 g. p. d.; temp., 186° F.; small deposit of red iron oxide in bore drain; very large whitish incrustation at bore head. Reinspected 11/8/14; flow, 260,000 g. p. d.; temp., 186° F. Bore emits a little steam at intervals of about one minute; very little gas.
2. Reputed former flow, 900,000 g. p. d. Inspected 12/2/11; flow estimated at 680,000 g. p. d.; 6-in. casing submerged in pool; ferruginous deposit of mineral matter at bore. Reinspected 14/3/13; flow, 192,000 g. p. d.; temp., 174° F.; the water is charged with minute gas bubbles, giving the flow a whitish appearance, and also with a few large bubbles; there is a hard incrustation at bottom of the bore drain. Reinspected 14/8/14; flow, 182,500 g. p. d.; temp., 172° F. A large amount of iron oxide precipitated in bore drains.
3. Original estimated flow, 900,000 g. p. d. Inspected 10/2/11; flow estimated at 490,000 g. p. d.; incrustation at bore head and a light brown deposit in bore drain. Reinspected 15/3/13; flow, 356,000 g. p. d.; temp., 182.5° F. Casing badly corroded; a very heavy white deposit in bore drain; flow highly charged with small non-inflammable gas bubbles. Reinspected 13/8/14; flow, 315,000 g. p. d.; temp., 182° F. Abundant iron oxide in drain; domeshaped hard incrustation over outlet.

(The inside of the bore casings of bores 1, 2, and 3 is coated with a hard, bright-shining metallic deposit.)

Teviot—Lined with 6-in. casing.

Blumefield—Lined with 6-in. casing.

175. Bando Lease—

1. Stated to have 35 miles of bore drains. Inspected 21/4/97; flow then 1,883,000 g. p. d.; bore stated to be cased with 10-in., 8-in., and 6-in. casing; water flowing 4.75 ft. over 6-in. casing; temp., 130° F. Reinspected 22/12/10; flow, 1,010,000 g. p. d.; temp., 130.7° F.; outlet 8 ft. above surface; 6-in. casing only visible, which is in excellent condition; about 200,000 g. p. d. are escaping through two swivel holes in the 6-in. casing, 9 in. below W.L. in pool; no gas is evolved. Reinspected 2/1/14; flow, 941,700 g. p. d.
2. Stated to have 24 miles of bore drains; former estimated flow 1,750,000 g. p. d. Inspected 25/12/10; flow, 592,400 g. p. d.; static head, 97 ft. to 103 ft.; temp., 124.5° F.; outlet 4 ft. above surface; flowing 10.75 in. over 6-in. casing; casing in good condition and supported by clamps resting on logs; no gas nor leakage perceptible outside casing during static test of 1½ hours; stated that sinker is lost in bore; free flow is fluctuating.
3. Inspected 15/12/10; flow from 6-in. casing, 1,505,000 g. p. d.; static head, 241 ft. to 253.5 ft.; temp., 122.5° F.; outlet 9 ft. above surface; a flow of 53,000 g. p. d. with a temp. of 119.5° F. is issuing outside the 6-in. casing, and is stated to come from the 800-ft. level; this flow did not alter during the static test; stated that the bore was closed several times for some hours; practically no gas perceptible; flow controlled to 563,000 g. p. d. Reinspected 5/7/14; flow from 6-in. casing, 1,445,000 g. p. d.; static head, about 233 ft.; flow from outside leak, 51,000 g. p. d.; 6-in. casing seriously corroded externally above the clamps. Flow controlled; static head at 202 ft. when visited; some gas in the outside flow.

176. Bando District—

Goolburra—Original estimated flow, 1,750,000 g. p. d. Inspected 6/1/11; flow, 513,000 g. p. d.; static head, 39 ft. to 44 ft.; temp., 116° F.; outlet 4.5 ft. above surface; duration of static test, 75 minutes; 6-in. casing rusted in patches. Reinspected 1/4/12; static head, 26.9 ft. to 29.7 ft. in 45 minutes. Reinspected 23/10/12; static head (test of 45 minutes), 23.5 ft. to 25.8 ft.

Wallen—Original estimated flow, 1,750,000 g. p. d. Inspected 17/1/11; flow, 527,000 g. p. d.; temp., 117.5° F.; outlet 5.75 ft. above surface; cased with 6-in. casing to 1,400 ft. (level of first water struck); no water was tapped for several hundred feet from bottom; the owner did not permit pressure tests being made; stated that the bore was once closed down for a few hours and when reopened the free flow had diminished from 26 in. to 16 in.; 24 miles of bore drains. Reinspected 27/12/11; static head, 51 ft. to 55 ft.; duration of test 14 minutes. Reinspected 23/10/12; static test of 33 minutes=43 ft. to 47 ft.

Glendilla—Estimated flow after completion, 933,000 g. p. d. Inspected 23/5/11; flow, 682,800 g. p. d.; static head, 129 ft. to 136 ft.; temp., 125° F. Stated that no flow was struck until a few hundred feet from bottom of bore; a small trickle of about 500 g. p. d. was noticed between the 10-in. and 6-in. casing, but it was not affected by the static pressure test of 63 minutes' duration. Reinspected 16/7/14; flow 570,400 g. p. d.; temp., 124.5° F.; probable static head, 102 ft.

177. Barcaldine Downs—

1. Original depth, June, 1894, 2,500 ft., and estimated flow, 170,000 g. p. d. Bore deepened in 1895; estimated flow at completion=410,000 g. p. d. Inspected 18/6/98; flow, 340,000 g. p. d.; static head, 99 ft. to 113 ft.; temp., 160.5° F.; bore cased with 300 ft. of 8-in., 600 ft. of 6-in., 2,268 ft. of 5-in., and about 180 ft. of 4-in. casing. Salt water at about 180 ft.; first flow of about 170,000 g. p. d. at 2,448 ft.; second flow at 3,400 ft.; no increase of flow from the last 60 ft.; a small seam of coal at about 3,200 ft., then massive white quartz to about 3,300 ft.; last 20 ft. very hard rock. Reinspected 20/12/11; no gaugings made; temp., 161° F.
2. Original flow, 670,000 g. p. d.; struck salt water at about 200 ft.; first flow at 1,845 ft., and main flow at 2,670 ft.; no increase below main flow; cased with 6-in. casing to about 1,840 ft. Inspected 17/6/98; flow, 626,700 g. p. d.; static head, 83 ft. to 95 ft.; temp., 142.5° F. Reinspected 11/12/11; no gaugings made; temp., 142° F.
3. Estimated flow at 2,680 ft., 80,000 g. p. d., at 3,000 ft., 120,000 g. p. d., and at 3,340 ft., 340,000 g. p. d. Terminated in 66 ft. of very hard fine-grained sand-rock. Inspected 9/1/12; no gaugings made; temp., 162° F.

178. Barcaldine North District—

Brackhill—Original estimated flow, 900,000 g. p. d. Inspected 23/10/99; flow, 422,300 g. p. d. under a head of 8 ft.; static head, 28 ft. to 39 ft.; temp., 106½° F.; first flow from 410 ft. cased off being considered unsuitable for irrigation. Reinspected 21/9/12; flow, 195,000 g. p. d.; static head, 12 ft. to 15 ft.; temp., 106° F.; flow measured with a tub; stated that flow diminished when Brown's bore struck a flow in 1906.

Mayfield—Formerly called Half-moon; original estimated flow, 203,000 g. p. d. Inspected 6/11/99; temp. at pump outlet, 95° F.; W.L., 5 ft. below surface. Stated that simultaneously with Saltern Creek No. 7 bore this bore ceased to flow about an hour after the second flow of Saltern Creek No. 10 bore was struck, and that the W.L. (April, 1899) stood then 2 ft. below the surface. Reinspected 2/5/12; W.L., 40 ft. below surface.

Braeside—

1. Inspected 2/11/99; depth, 1,140 ft.; flow, 232,000 g. p. d.; static head, 21 ft. to 25.4 ft.; temp., 105° F. Reinspected 23/9/12; depth, 1,366 ft.; flow by bucket measure=49,000 g. p. d.; temp., 106° F. Stated that flow stopped in 1907 on account of an obstruction in bore, and that after the bore was cleaned out and additional 5-in. casing put in the flow was restored. Reported flow in September, 1916=12,000 g. p. d.; air-lift installed; submergence, 106.5 ft.; starting pressure 57 lb., and working pressure 40 lb. per sq. in.; yield, 380,000 g. p. d.
2. Flow at 2,024 ft. estimated at 100,000 g. p. d., and at 2,510 ft. 365,000 g. p. d.; temperature hot. Inspected 25/5/12; flow by bucket measurement=70,000 g. p. d.; temp., 106° F.
3. Original estimated flow, 545,000 g. p. d.; static head, about 23 ft. Inspected 23/5/12; flow, 110,000 g. p. d.; temp., 101° F.; some slight reddish deposit near bore-head cased with 500 ft. of 5-in. casing.

Woodend—Inspected 2/11/99; approximate flow, 300,000 g. p. d.; static head, about 37 ft.; temp. in pool, 104° F. Reinspected 22/5/12; flow measured by bucket=100,000 g. p. d.; temp., 106° F.; some signs of corrosion.

Lakeview—

1. Reputed original flow, 900,000 g. p. d. Inspected 20/10/99; flow, 372,000 g. p. d.; temp., 99½° F.; static head, 30 ft. to 37 ft. Reinspected 25/3/12; flow, 163,000 g. p. d.; temp., 100° F.; not sunk to bedrock; formerly provided with a stop valve; flow measured by a 16-gallon vessel.
2. Inspected 25/3/12; bore in progress; flow estimated.

O'Regan's—Original estimated flow, 450,000 g. p. d. Inspected 17/9/12; flow, 104,000 g. p. d.; temp., 105° F.; casing (5-in.) slightly pitted inside.

Brown's—Original estimated flow, 365,000 g. p. d.; static head, 23 ft. Inspected 20/9/12; flow, 215,000 g. p. d.; maximum static head, 16 ft.; temp., 105° F.

179. Barcaldine South District—

Alice River—Former flow estimated at 455,000 g. p. d. Inspected 1/11/99; flow, 278,800 g. p. d.; static head, 29 ft. to 36 ft.; temp., 112° F. Reinspected 18/4/12; no gaugings made; temp., 105° F.; flow has diminished.

Dunraven—

1. Original flow not known. Inspected 14/6/98; flow, 246,000 g. p. d.; static head, 37.8 ft. to 43.4 ft.; temp., 135° F.; first flow below 1,560 ft.; second below 2,260 ft. Reinspected 3/10/99; flow, 223,600 g. p. d.; static head, 30.8 ft. to 34 ft.; temp., unchanged. Reinspected 4/12/11; no gaugings made; temp., 131.5° F.
2. In progress in 1913.

Jacondol—

1. Original estimated flow, 455,000 g. p. d.; lined with 8-in. and 6-in. casing; inspected 11/10/99; depth, 1,016 ft.; temp., 106° F.; bore inaccessible for gaugings. Reinspected 18/4/12; depth stated to be 1,300 ft.; estimated flow, 250,000 g. p. d.; temp., 108° F.; outlet, 6ft. above ground. Reported flow in August, 1916=250,000 g. p. d.
2. Original reputed flow 550,000 g. p. d. Reported flow in August, 1916=223,000 g. p. d.

McLachlin's—Original estimated flow, 15/4/96=720,000 g. p. d.; and static head, about 35 ft. Inspected 29/10/99; flow, 225,400 g. p. d.; static head, 28 ft. to 31 ft.; temp., 110° F.; flow restricted by piping, probable free flow at surface=320,000 g. p. d. Reinspected 12/4/12; no gaugings made; temp., 109° F.; flow has diminished.

Westbourne—

1. Woolscour (formerly Meat Works)—Original flow 28/3/93=725,000 g. p. d.; static head, 92 ft.; temp., 120° F. Inspected 9/10/99; flow, 256,000 g. p. d.; static head, 44 ft. to 48 ft.; temp., 121° F. Reinspected 4/8/12; flow, 132,000 g. p. d.; static head, 16.6 ft. to 16.8 ft.; temp., 120° F.; flow restricted and measured under a head of 3.4 ft.
 2. Original flow, 243,000 g. p. d. Inspected 5/8/12; flow, 58,000 g. p. d.; static head, 16.5 ft. to 29 ft.; temp., 118° F.; outlet, 16½ ft. above surface; probable maximum flow at surface, 98,000 g. p. d.; cased with 72 ft. of 6-in. and 1,000 ft. of 5-in. casing.
 3. For strata, etc., see bore section 283; reputed original flow, 200,000 g. p. d. Inspected 6/8/12; flow 118,000 g. p. d.; static head, 11.4 ft. to 16.8 ft.; temp., 120° F.; flow measured under a head of 4½ ft.; flow kept constantly restricted.
- J. Arthur—No further supply below 750 ft.; bore determined in red marl; cased with 205 ft. of 6-in. and 992 ft. of 5-in. casing; flow estimated.

Walker's Selection—No boring records; flow estimated.

Stibbards—Original flow (measured by owner)=365,000 g. p. d. Inspected 11/4/12; estimated flow, 200,000 g. p. d.; temp., 110° F.; broken bit forced into wall of bore; first water at 500 ft.; outlet at surface; slight white deposit at outlet.

180. Barcaldine South District—

Clover Hills—

1. Original estimated flow, 250,000 g. p. d.; bore lined with 17 ft. of 6-in. and 1,200 ft. of 5-in. casing; water beds at 1,600 ft. to bottom; stated that flow diminished considerably during 1894 and also during 1899. Inspected 26/10/99; flow, 88,000 g. p. d.; static head, 37.4 ft. to 48.9 ft.; temp., 129° F. Reinspected 7/11/11; no gaugings made; flow small; temp., 118.5° F.
2. Original estimated flow, 175,000 g. p. d. Inspected 27/10/11; no gaugings made; temp., 132° F.; stated that no decrease in flow has been observed.
3. No record.
4. Salt water at 50 ft.; flow at 1,400 ft.; bore lined with 75 ft. of 8-in. and 1,406 ft. of 5-in. casing; see Lic. 139. Inspected 1/10/14; estimated flow, 70,000 g. p. d.

Kyneton—Original estimated flow, 455,000 g. p. d.; bore lined with 140 ft. of 6-in. and 1,265 ft. of 5-in. casing; first flow at 1,250 ft.; estimated at 120,000 g. p. d.; second water beds below 1,960 ft.; flow increasing all the way; sinker imbedded in sandy shale at about 1,150 ft. Inspected 26/10/99; flow, 428,000 g. p. d.; static head, 67.3 ft. to 70.5 ft.; temp., 126° F. Reinspected 8/11/11; no gaugings obtained; free outlet.

Patrick—Original estimated flow, 455,000 g. p. d.; main flow near bottom; bore lined with 700 ft. of 5-in. casing; stated that early in 1897 and two days after fixing two 3-in. cocks to the bore head the flow diminished to about one-half of its volume. Inspected 25/10/99; free flow over casing, 162,800 g. p. d.; static head, 117.7 ft. to 135.5 ft.; temp., 132° F.; leak of 9,700 g. p. d. outside casing under closure. Reported head in 1907=71 ft. Reinspected 17/11/11; no gaugings made; free outlet 3.5 ft. above surface; temp., 131.5.

Killarney—Original reputed flow, 635,000 g. p. d. Inspected 22/11/11; no gaugings made; temp., 129° F.; stated that flow has considerably diminished; free outlet.

181. Dalzell's or Dalgi—

1. Original estimated flow, 530,000 g. p. d.; static head about June, 1892=48 ft. Inspected 23/6/97; flow, 160,000 g. p. d.; static head, 10 ft.; temp., 103° F.; ceased flowing in April, 1899, when No. 5 bore commenced to flow; fairly uniform loss of potential

averaging 7 in. per month; W.L. about May, 1907=18 ft. below surface; and in September, 1911, about 30 ft. below surface. Reinspected 8/5/12; bore site levelled; W.L. not obtained.

2. Original static head, 10 ft.; estimated flow, 110,000 g. p. d.; water from a sand drift at 50 ft. rose to surface; flow at 396 ft.; bore lined with 300 ft. of 5-in. casing. Inspected 18/10/99; flow, 41,000 g. p. d.; static head 6 ft.; temp., about 95° F.; ceased to flow in 1900. Reinspected 5/2/13; W.L., 15 ft. below surface; temp., 83° F.
3. Original W.L., 22 ft. below surface (see bore section 256). Inspected 17/10/99; approximate normal W.L., 26 ft. below surface; pumping supply, over 50,000 g. p. d.; reported W.L. in May, 1907=30 ft. below surface. Reinspected 30/1/13; W.L., 40 ft. below surface; temp., 82° F.
4. Original flow, not known; bore lined with less than 742 ft. of 5-in. casing; stated that when bore was closed down in 1897 a considerable mound of fine sand oozed up outside of casing. Inspected 14/10/99; flow, 297,800 g. p. d.; static head, 26.4 ft. to 31.3 ft.; temp., 96° F.; estimated flow about May, 1907=150,000 g. p. d.; static head, 7 ft. Reinspected 24/9/12; flow, 108,000 g. p. d.; temp., 96° F.; casing in fair condition.
5. Original flow, not known; for strata, etc., see bore section 258. Inspected 30/10/99; flow, 98,150 g. p. d.; static head, 4 ft.; temp., 104° F.; ceased flowing in 1900; W.L. in May, 1907, reported to be 15 ft. below surface. Reinspected 9/5/12; W.L., about 22 ft. below surface.
- 5A. See Corenna No. 9 Bore.
6. Water at 198 ft. in sand rock; no rise; lined with 198 ft. of 6-in. casing. Inspected 11/3/13; W.L., 198 ft. below surface; steam pump at present—transferred to No. 7 bore.
7. Original W.L. at 145 ft.; water struck at 168 ft.; lined with about 18 ft. of 8-in. and 200 ft. of 6-in. casing. Inspected 20/2/13; W.L., 145 ft. below surface; temp., 83° F.
8. Original W.L. at (?) 40 ft.; struck water in sand rock at 190 ft.; lined with 190 ft. of 6-in. casing. Inspected 29/1/13; W.L., 40 ft. below surface; soft drinking water.
9. Inspected 18/2/13; W.L., 288 ft. below surface; Bore lined with about 18 ft. of 8-in. and 298 ft. of 7-in. casing; water very good and clear.
- 9A. Bore sunk alongside No. 9 bore; 5-in. bore only; too small for steam pump; bore abandoned.
10. Struck water in sandstone at 190 ft.; rose to 24 ft.; lined with 190 ft. of 6-in. casing. Inspected 3/2/13; temp., 83° F.

Valley Downs—

1. Struck supply at 129 ft.; rose to 37 ft.; lined with 100 ft. of 5-in. casing. Inspected 28/1/13; temp., 82.5° F.; water has a green tinge, and is astringent to taste.
2. Small supply at 86 ft.; main supply near bottom; rose to 37 ft.; lined with 110 ft. of 6-in. casing. Inspected 28/1/13; very good stock water.

Busthinia—

1. Supply at 160 ft.; did not rise in bore; bore lined with (?) 18 ft. of 6-in. casing. Inspected 12/3/13; temp., (?) 79° F.; water good and very clear.
2. Supply at 160 ft.; no rise; bore lined with 130 ft. of 6-in. casing. Inspected 13/3/13; water very good to taste and exceptionally clear in tanks.

Thornhill—Supplies at 65,120 ft. and 195 ft.; W.L. at 45 ft.; a shaft to 75 ft.; bore lined with 30 ft. of 6-in. casing from 75 ft. downwards. Inspected 7/2/13; temp., 81° F.; water very brackish; used for stock only; W.L. pumped down 6 ft. in a stiff breeze.

182. Barclay Downs—

6. Water at 259 ft. and 269 ft.; supply pumped from 274 ft.
 7. Water at 360 ft. and 395 ft.; supply pumped from 400 ft.
 8. Water at 191 ft. and 235 ft.; supply pumped from 196 ft.
 9. Water at 150 ft. and 205 ft.; supply pumped from 173 ft.
- Strata pierced is chiefly limestone and flint; all the borings were sunk to bedrock, yielding an abundant supply; the yield given in No. 4 and No. 9 bores is equal to that of the capacity of the pump only.

183. Barcoorah Lease—

1. Boring records unreliable; original W.L. at about 40 ft.; bottom in pipeclay; lined with three lengths of 8-in. or 10-in. and about 500 ft. of 6-in. casing. Inspected 28/5/98; W.L., 92 ft. below surface. Reinspected 17/7/13; W.L. stated to be 30 ft. below surface; water has a slight brackish taste.
2. No boring records; lined with 260 ft. of 6-in. and 180 ft. of 5-in. casing. Inspected 14/7/13; W.L., 40 ft. below surface; water good.
3. Estimated original supply at 120 ft., 24,000 g. p. d.; lined with 434 ft. of 6-in. casing. Inspected 16/7/13; W.L., 25 ft. from surface; water has a slight brackish taste.
- 4 and 4A. Original estimated supply, 24,000 g. p. d. at about 80 ft.; lined with 96 ft. and 94½ ft. of 6-in. casing respectively. Inspected 4/9/13; W.L., 67 ft. below surface; water very fair.

5. Original estimated supply, 24,000 g. p. d. at 140 ft.; lined with 384 ft. of 6-in. casing. Inspected 17/7/13; W.L., 25 ft. below surface; water has a slight brackish taste.

Gordon Brook—Water at 25 ft., 120 ft., and at 300 ft.; bottom in black shale; lined with 310 ft. of 6-in. casing. Inspected 18/7/13; W.L., 20 ft. below surface; water good, apparently spring water.

184. Barenza Lease—

1. Original estimated flow from 1,260 ft.=340,000 g. p. d.; flow decreased, and bore was deepened in 1897 by about 430 ft.; estimated flow after deepening, 480,000 g. p. d.; temp., 115° F.; tools lost in bore; lined with 1,600 ft. of 6-in. and 300 ft. of 5-in. casing. Inspected 23/3/14; flow, 55,000 g. p. d.; temp., 115° F.; several gaugings of the flow were made within about 24 hours and showed a variation ranging from 47,000 to 67,000 g. p. d.; casing very slightly corroded, and only a little ferric oxide around bore.

2. In 1894 the depth was 2,290 ft. and the estimated flow 185,000 g. p. d., with a head of about 22 ft.; the supply gradually decreased until it stopped; probably ceased flowing in 1903; the bore was then deepened in 1906 to 2,800 ft., giving a flow of 2,500 g. p. d.; lined with 6-in. casing; flow improved by cutting a trench 12 ft. deep; flow again failed, date not known. Inspected 25/2/14; W.L. about 50 ft. below surface; some tools at bottom of bore.

3. Original estimated flow, 720,000 g. p. d.; stated that flow decreased to 545,000 g. p. d. during a period of ten years; lined with 1,712 ft. of 6-in. casing. Inspected 23/2/14; flow, 411,500 g. p. d.; temp., about 128° F.; stated that the casing was corroded away below the surface before 1907. Supplies struck at 1,515 ft., 1,712 ft., 1,745 ft., 1,935 ft., and 2,260 ft.; water-wheel employed to pump water into a tank for station use.

4. Original estimated flow, 900,000 g. p. d., and in 1907 the flow was reported to be 80,000 g. p. d. Inspected 29/3/14; flow, 61,100 g. p. d.; temp., 123.5° F.; for the following two days the flow measured was 7,900 g. p. d. less than on 29/3/14; stated that the flow fell off at a similar rate in November, 1913, but came back to its normal volume again; very little corrosion. Reinspected 29/12/14; flow, 45,000 g. p. d.; temp., 122.5° F.; water very good and palatable.

- 4A. Bore alongside No. 4 bore; casing parted; abandoned.

5. Original estimated flow, 630,000 g. p. d. Inspected 28/3/14; flow, 41,000 g. p. d.; temp., 117° F.; stated that two months ago the flow was estimated at 200,000 g. p. d., when it suddenly decreased without any apparent cause; lined with 2,135 ft. of 6-in. casing, slightly corroded at surface (comes off in very thin flakes); water very hard and tastes of iron; bore drains very red with iron oxide for about 5 chains. Reinspected 15/1/15; flow, 297,700 g. p. d.; temp., 121° F. Stated that about September, 1914, the water came up outside the casing; the bore was then cleaned out and deepened by 65 ft. in October, 1914, and in doing so, slight obstructions were pierced at about 1,100 ft. and 1,600 ft., after which the bore discharged an immense amount of black mud and shale; estimated flow after deepening, 450,000 g. p. d.; quality of water now good; no gas apparent; a trace of (?) oil on top of water.

6. Original flow not known. Inspected 27/2/14; slight leak between 8-in. and 6-in. casings; flow, 298,400 g. p. d.; temp., 134° F.; very good drinking water.

Banjoora—Inspected 18/2/14; bore in progress. W.L. in May, 1914, reported to be 15 in. below surface; stated that when water was struck it rose to 20 ft., and that after pumping it rose to 4 ft. below surface; W.L. can be quickly lowered to 80 ft. by sand pump.

Antrim—Original estimated flow, over 545,000 g. p. d. In 1907 the flow was reported to be 365,000 g. p. d.; stated that a stoppage of flow took place in the same year and that the bore was deepened by 50 ft. in September, 1907; the stoppage of flow was apparently caused by a floating rock. Inspected 20/2/14; flow, 236,000 g. p. d.; temp., 127.5° F.; stated that the casing below the surface was corroded away five or six years ago, and that a short piece of casing has been rammed into the bore hole to bring the water to the surface.

185. Beaconsfield Lease—

1. Original reputed flow, 1,070,000 g. p. d.; static head, 138 ft. Inspected 26/9/99; flow, 475,000 g. p. d.; static head 83 ft. to 91 ft.; temp., 129° F. Reinspected 16/5/12; flow, 277,300 g. p. d.; temp., 131° F.; deposit of red iron oxide in drain. Reinspected 14/6/16; flow, 161,000 g. p. d.; temp., 131° F (10 chains from bore-head); leak of 5,000 g. p. d. outside casing; water very good.

2. Estimated flow in 1907=455,000 g. p. d. Inspected 11/5/12; flow, 43,400 g. p. d.; temp., 133° F.; 6-in. casing visible; flow of 5,000 g. p. d. issuing outside the casing; deposit of a very large amount of iron oxide at sides of drain. Stated that flow ceased when a flow in Arundel was struck, but commenced flowing again. Ceased to flow on 3/2/14. Reinspected 22/7/16; W.L. 16 ft. below surface.

3. Estimated flow in 1907=365,000 g. p. d. Inspected 14/5/12; flow, 181,000 g. p. d.; temp., 132° F.; small leakage outside of casing. Reinspected 20/6/16; flow, 157,500 g. p. d.; temp., 133° F.; a leak of 910 g. p. d. outside of casing; drains are red with oxide; water very fair.

4. Estimated flow in 1907=410,000 g. p. d. Inspected 10/5/12; flow, 182,500 g. p. d.; temp., 137° F.; deposit of red iron oxide on sides of bore drain, and white incrustation on casing. Reinspected 24/7/16; flow, 147,000 g. p. d.; temp., 139° F.; water good.

5. Estimated flow at completion=95,000 g. p. d. Inspected 4/5/12; flow, 64,400 g. p. d.; temp., 117° F.; tools in wall of bore; considerable amount of inflammable gas bubbles in bore water. Reinspected 22/6/16; flow, 40,200 g. p. d.; temp., 117.5° F.; water very good.

6. Lined to bottom with 6-in. casing; measured flow by owner on 10/10/14=92,000 g. p. d. Inspected 21/6/16; flow, 88,500 g. p. d.; temp., 117° F.; water very good.

Beaconsfield Resumption—

Arundel—Flow at 1,280 ft.; increase at 1,972 ft. to 2,100 ft.; total estimated flow, 200,000 g. p. d.; finished in sandy pipe clay; lined with 36 ft. of 10-in., 72 ft. of 8-in., and 1,974 ft. of 5-in. casing; see Lic. 80. Inspected 14/6/16; flow, 44,500 g. p. d.; temp., 130° F.; water very good; former owner A. E. Coldham.

Balmoral—Flow at 1,165 ft. to 1,340 ft.; measured flow, (?) 115,000 g. p. d.; lined with 34 ft. of 10-in., 70 ft. of 8-in., and 1,164 ft. of 6-in. casing; see Lic. 95. Inspected 23/6/16; flow 71,900 g. p. d.; temp., 119° F.; water very good.

Dundonald—Flow at 1,400 ft. and at bottom; total, 210,200 g. p. d.; finished in hard, fine sandrock; lined with 14 ft. of 10-in., 73 ft. of 8-in., 150 ft. of 6-in., and 1,250 ft. of 5-in. casing (5-in. and 6-in. casing connected by a reducing piece); see Lic. 116. Inspected 12/2/17; flow, 85,000 g. p. d.; calculated static head, 21 ft.; temp., 125° F.; good drinking water.

186. Beechal Lease—

1. Original jet stated to have been 2.5 ft. over 6-in. casing. Inspected 1/11/13; flow, 899,700 g. p. d.; static head, 261 ft. to 277 ft.; temp., 155° F.

2. Original reputed flow, 1,115,000 g. p. d.; static head (by owner, probably initial), 242 ft. Inspected 22/12/13; flow, 850,000 g. p. d.; static head, 212 ft. to 249 ft.; temp., 151° F. Pelton wheel attached to drive centrifugal for woollscour.

Big Creek—Original estimated flow, 1,915,000 g. p. d.; lined with 6-in. casing. Inspected 27/10/13; flow, 1,353,000 g. p. d.; static head, 283 ft. to 290 ft.; temp., 142° F.

187. Beirbank—Data from newspaper reports.

188. Bendena Lease—

1. Original jet about 8½ ft. over 6-in. casing and reported temp. 120° F. Inspected 2/12/12; flow, 1,486,000 g. p. d.; static head, 255 ft. to 275 ft.; temp., 117° F.; outlet 2 ft. 3 in. above ground, and jet 5 ft. over outlet (not regular); duration of static test 1 hour 10 minutes. Reinspected 6/9/14; flow, 1,409,000 g. p. d.; no static test.

2. Reputed original flow, 2,500,000 g. p. d.; static head, after completion (by manager)=341 ft.; first flow at 800 ft., thence increasing gradually to bottom; last 100 ft. in stiff, light-yellow clay; several 1-in. quartz pebbles were thrown up after completion. Inspected 1/12/12; flow, 1,515,000 g. p. d.; static head, 270 ft. to 293 ft.; temp., 113° F.; outlet 6½ ft. above ground; duration of static test 1 hour 23 minutes; Pelton wheel employed for power; slight leak outside casing remedied by thick concrete bed. Reinspected 9/9/14; flow, 1,486,000 g. p. d.; no static test.

3. Trust Bore—Cased with 55 ft. of 7-in. and 1,981 ft. of 6-in. casing. Small flow at 1,600 ft.; flow at 1,800 ft.=4 in. over casing, at 2,000 ft.=3 ft., and from 2,150 ft. to bottom=4 ft. 6 in. over 6-in. casing. Inspected 29/11/12; flow, 1,124,000 g. p. d.; static head, 191 ft. to 199 ft.; temp., 130° F.; jet over 6 in. valve 3 ft. 6 in.; outlet 3 ft. above ground; leak of 4,300 g. p. d. between 7-in. and 6-in. casing not affected by static test of 45 minutes. Reinspected 12/9/14; flow, 1,106,400 g. p. d.; no static test. Reinspected 22/3/15; flow, 1,106,400 g. p. d.; static head, 158 ft. to 165 ft.; temp., 130° F.

189. Biddenham Lease—Data from newspaper reports.

190. Bimbah—Bores 1 to 4 lined with 6-in. casing.

191. Bimerah Lease—

1. For strata, etc., see bore section, 148. The site is elevated, and the water met between 4,130 ft. and 4,220 ft. has but a small flow. Inspected 12/7/99; flow, 19,320 g. p. d.; static head, 50 ft. to 69 ft.; temp., 180° F.

2. For strata, etc., see bore section, 149; last 215 ft. in soft sandstone; no increase of flow; small quantity of petroleum at 3,640 ft., and bands of coal at 3,700 ft.; bottom in soft white sandstone; no increase in flow. Inspected 12/7/99; flow, 6,300 g. p. d.; static head, 10 ft.; temp., 186° F.

3. Inspected 17/7/99; bore in progress; depth, 3,610 ft.; some salt soak at about 250 ft. Boring records incomplete; original estimated flow, 70,000 g. p. d.; stated that bore is lined with 18 ft. of 8-in. and 3,900 ft. of 6-in. casing (other casing not known); water highly mineralised. Deepest bore in Australia.

192. Binda Lease—

1. Original flow, 3 in. over 6-in. casing; entered into granite at 1,550 ft.; for strata, etc., see bore section, 293.
2. Original flow 9 in. over 6-in. casing; for strata, etc., see bore section, 297; bottom in 10 ft. of granite.

Bindebanggo Lease—

1. First supply of water at 1,200 ft.; second at 1,570 ft.; and third at 2,000 ft.; estimated flow, 2,080,000 g. p. d.
2. Met with salt water at 490 ft.; rose to 14 ft.; flow at 1,050 ft., 1,170 ft., 1,423 ft., and 1,720 ft.; total estimated flow, 1,000,000 g. p. d.; bottom in hard rock. Bore lined with 400 ft. of 8-in. and 1,703 ft. of 6-in. casing; see Lic. 187.

193. Bingera Lease—

Water struck in blue-coloured shaley sand in all these Bingera bores; No. 3 met with very hard strata above the water-bed; No. 4 met loose boulders.

1. Former estimated flow, 40,000 g. p. d. Inspected 22/1/12; flow, 23,300 g. p. d.; static head, 20 ft. to 51.5 ft.; temp., 100.2° F.; outlet 3 ft. above surface; joint at top of casing badly rusted; duration of static test 12½ hours.
2. Former estimated flow, 20,000 g. p. d. Inspected 23/1/12; flow, 10,600 g. p. d.; static head, 7 ft.; temp., 90.5° F.; duration of static test 4 hours 5 minutes; a leakage outside the casing of about 200 g. p. d. was noticed but did not increase during static test.
3. Former estimated flow, 48,000 g. p. d. Inspected 26/1/12; flow, 23,800 g. p. d.; temp., 84.7° F.; fittings firmly rusted to casing; static head on 13/2/12=8 ft.; duration of test 6 minutes; water has a taste of soda and smell of sulphurated hydrogen; stated that flow is variable.
4. Inspected 21/2/12. A hollow log is let into a mud spring which barely flows.

Tarko—For strata, etc., see bore section, 275; no further flow below 800 ft.; entered into granite at 1,201 ft. Inspected 16/2/12; flow, 16,750 g. p. d.; static head, 19 ft. to 38 ft.; temp., 106.7° F.; duration of static test 5 hours 40 minutes; a small leakage outside the casing was noticed towards the end of the test amounting to 500 g. p. d.

Minyeburra—Inspected 14/2/12; flow, 6,770 g. p. d.; static head, 3.5 ft. to 7.5 ft.; temp., 82.5° F.; bore put down in the centre of mud springs; flowing water was struck at 52 ft. and 103 ft.; flow from 52 ft. cased off.

194. Duneira—Blackall District—

1. Main flow at 1,700 ft.; original flow, 85,500 g. p. d. Reported in September, 1916, that bore supplies troughing and that fittings are badly corroded.
2. Supply at 900 ft.; rose to 140 ft. below surface; flow at 2,200 ft., 2,300 ft., and 2,840 ft.; total flow, 9 in. over 6-in. casing; lined with 10 ft. of 10-in., 99 ft. of 8-in., 2,316 ft. of 6-in., and 550 ft. of 5-in. casing; finished in shale; see Lic. 44. Inspected 5/4/14; flow, 473,000 g. p. d. Reinspected 11/9/16; flow, 464,390 g. p. d.; temp., 136° F.; stated that two boring bits are in wall of bore near bottom of 6-in. casing. Reinspected 9/12/16; flow, 364,390 g. p. d. and static head, 60.8 to 61.1 ft.; duration of test, 35 minutes.

Woolscour Co.—For strata, etc., see bore section, 215; original flow, 1,115,000 g. p. d.; bottom in sandy clay.

Kuringa—Salt water at 300 ft.; supply at 500 ft.; rose to 150 ft. and at 800 ft. to 100 ft.; lined with 810 ft. of 6-in. casing. Inspected 10/7/15; pumping test, 2,000 g. p. h.

195. Bladensburg—

1. Main supply at 365 ft.; W.L. at 96 ft.; bore lined with 6-in. casing. Inspected 7/12/15; water very bitter, but not saline; temp., 88° F.
2. Main supply at 390 ft.; W.L. at 100 ft.; bore lined with 6-in. casing. Inspected 29/10/15; water has a slight taste of soda, but is drinkable; temp., 92° F.
3. Main supply at 395 ft.; W.L. at 109 ft.; bore lined with 6-in. casing. Inspected 8/11/15; water good, with alkaline taste; temp., 90° F.
4. Now Tranby No. 1—Main supply at 310 ft.; W.L. at 80 ft.; bore lined with 310 ft. of 6-in. casing. Inspected 15/12/15; water slightly brackish; windmill broken.
- Tranby No. 2, "Belmont"—Supply at 240 ft.; W.L. at 108 ft.; bore lined with 600 ft. of 6-in. casing. Inspected 16/12/15; water brackish.
5. Original depth, 490 ft.; main supply at 470 ft.; water rose to within 76 ft.; bore deepened in 1915; no particulars known; W.L. at 131 ft.; bore lined with 470 ft. of 6-in. and 635 ft. of 5-in. casing. Inspected 13/12/15; water fairly good; temp., 98° F.

6. Main supply at 430 ft.; W.L. at 118 ft.; bore lined with 6-in. casing. Inspected 12/11/15; water drinkable, with a taste of soda; temp., 90° F.

7. Main supply at 290 ft.; W.L. at 110 ft.; bore lined with 6-in. casing. Inspected 4/11/15; water very good; temp., 88° F.

8. Main supply at 430 ft.; original W.L. at 68 ft.; bore lined with 6-in. casing. Inspected 5/11/15; W.L. at 78 ft.; water very salt, stock do badly on it; bore abandoned.

9. Main supply at 230 ft.; W.L. at 130 ft.; supply insufficient; bore abandoned; casing drawn. Inspected 2/12/15; water good.

10. Now Athelstane No. 1—Supply at 190 ft.; rose to within 86 ft.; bore lined with 6-in. casing. Inspected 3/12/15; water good and drinkable, with a slight taste of soda; temp., 82° F.

- 10A. Athelstane No. 2—In progress 2/12/15.

11. Main supply at 481 ft.; W.L. at 120 ft.; bore lined with 6-in. casing. Inspected 20/11/15; water brackish; windmill broken.

12. Supply at 487 ft.; rose to within 90 ft.; bore lined with 6-in. casing. Inspected 24/11/15; water good; bore not utilised.

13. Supply at 65 ft., 130 ft., and 160 ft.; W.L. at 76 ft.; bore lined with 6-in. casing. Inspected 6/11/15; water good, with a greenish tinge.

14. Main supply at 450 ft.; W.L. at 103 ft.; bore lined with 6-in. casing. Inspected 13/11/15; water good.

15. Main supply at 408 ft.; W.L. at 125 ft.; bore lined with 6-in. casing. Inspected 19/11/15; water good and drinkable; temp., 93° F.; a crust of fungus 1½ in. thick on top of water in tank; this crust is of a reddish tinge, and has a cellular upper surface similar to honeycomb.

16. Main supply at 317 ft.; W.L. at 89 ft.; bore lined with 6-in. casing. Inspected 1/12/15; water very good; temp., 96° F.

17. Main supply at 600 ft.; W.L. at 130 ft.; bore lined with 6-in. casing. Inspected 3/11/15; water slightly brackish; temp., 94° F.

18. Main supply at 485 ft.; bore lined with 6-in. casing. Inspected 15/11/15; W.L. at 150 ft.; water good and drinkable; temp., 93° F.

19. Main flow at 233 ft.; W.L. at 83 ft.; bore lined with 6-in. casing. Inspected 5/11/15; water brackish, with strong taste of soda; temp., 88° F.

20. Main supply at 600 ft.; W.L. at 121 ft.; bore lined with 6-in. casing. Inspected 23/12/15; water very good; temp., 97° F.

21. Struck water at 130 ft., 365 ft., and 378 ft.; W.L. at 128 ft.; bore lined with 6-in. casing. Inspected 26/11/15; splendid drinking water; temp., 86° F.

22. No data.

Wirribi Well—A shaft to 180 ft.; bored 313 ft.; water bed at 482 ft.; original W.L. at 75 ft. Inspected 1/12/15; W.L. at 137 ft.; very good drinking water.

Mitchell Well—Sunk alongside bore No. 7; struck a soak at 60 ft.; supply 120 ft.; original W.L. at 75 ft. Inspected 4/11/15; W.L. at () ft.; water exceedingly good and soft, and of a milk-white colour; temp., 81° F.

Salt Lake Well—Sunk alongside No. 8 bore; met with salt water at 60 ft.; did not rise in shaft. Inspected 5/11/15; W.L. at 64 ft.; abandoned.

Gregory Well.—Water bed at 290 ft.; W.L. at 80 ft. Inspected 10/12/15; fair drinking water.

Colane No. 1 Bore—A shaft to 175 ft.; bored 125 ft., and lined with 6-in. casing; struck water at 130 ft., 320 ft., and 500 ft.; W.L. at 112 ft.; bore lined with 508 ft. of 6-in. casing. Inspected 1/11/15; water brackish.

Colane No. 2 Bore—Main supply at 269 ft.; lined with 269 ft. of 6-in. casing. Inspected 12/1/16; W.L. at 102 ft.; water drinkable.

Colane Well—Met with stockwater at 130 ft. and 190 ft.; W.L. at 100 ft.

196. Bloomfield Resumption—

Randwick—Salt water at 130 ft.; brackish water at 660 ft.; rose to 40 ft.; lined with 879 ft. of 6-in. casing. Reported W.L. on 17/7/16=50 ft. below surface.

Flemington—

1. Met supply at 660 ft.; rose to within 70 ft.; lined with 760 ft. of 6-in. casing. Inspected 23/3/16; water brackish.

2. Water at 600 ft. to 800 ft.; rose to within 13 ft.; lined with 850 ft. of 6-in. casing. Inspected 23/3/16; water slightly brackish; pumped by (?) engine.

Carlo No. 1—Supply at 630 ft. rose to 75 ft. below surface; lined with 630 ft. of 6-in. casing; water brackish.

Carlo Homestead—A soak at 90 ft.; supply at 240 ft. rose to 90 ft. below surface; lined with 240 ft. of 6-in. casing; water brackish.

Eastwood No. 1—Only a small soak at 100 ft.; abandoned.

Eastwood No. 2—Water at 100 ft. did not rise; at 750 ft. it rose to 70 ft. below surface; lined with 750 ft. of 6-in. casing.

Bloomfield Lease—Some salt water at 180 ft. rose to 50 ft.; supply at 770 ft. rose to 47 ft. below surface; lined with 830 ft. of 6-in. casing; water fresh, not yet utilized.

197. Blume's Selection—Data from newspaper reports.

198. Boatman—

1. Original flow 5 ft. over 6-in. casing; stated that bore watered 43 miles of bore drains; bore lined with 6-in. casing, which corroded right through in places above the surface, and was consequently cemented in; flow measured by owner over V-notch=963,000 g. p. d. in 1912 and 1915. Inspected 24/5/15; flow, 1,001,500 g. p. d.; no static test; temp., 107° F.; wooldour at bore; very slight leak from concrete block around bore.
2. Original reputed flow, 1,750,000 g. p. d.; bore lined to within 50 ft. or 60 ft. of bottom with 6-in. casing; flow gauged by owner over V-notch on 31/11/13=270,000 g. p. d., and on 1/4/15=161,000 g. p. d. Inspected 12/5/15; flow, 191,700 g. p. d.; no static test; temp., 108.5° F.; a leak of about 3,000 g. p. d. issues outside the casing; casing at surface in good condition; variation of temp. in bore by maximum thermometer—at surface, 108° at 180 ft., 109° at 444 ft., 110.4° at 1,104 ft., 113° F. Reinspected 19-9-15; flow, 147,000 g. p. d.; casing now rusted through at joint with fluming.
3. Original flow, 13 in. over 6-in. casing; temp., 130° F.; bore lined with 6-in. casing, which is stated to be parted in two places; measured flow by owner on 31/3/12=309,000 g. p. d., and on 31/12/13=173,200 g. p. d.; bore ceased to flow during inspector's visit of 14/3/14. Reinspected 14/5/15; W.L. 12 ft. below surface; when pumping at the rate of about 115,000 g. p. d. the W.L. falls about 4.5 ft. below normal; bore was previously cleaned out, result not known; on resuming pumping the water becomes immediately temporarily turbid, which indicates a flaw in the casing near the surface.
4. Joint bore of Boatman and Elmina—Original flow, 57 in. over 6-in. casing; stated that bore watered 27 miles of bore drains; bore lined with 6-in. casing. Inspected 31/7/15; flow, 706,100 g. p. d.; temp., 109° F.; flow after lowering the outlet by 66 in.=729,500 g. p. d.; 6-in. casing above surface corroded through in places, but is sound on the inside surface; water good; no gas.
5. Original flow, 4 in. over 6-in. casing; outlet, 5.5 ft. above surface; static head, about 12.5 ft.; temp., 132° F.; main flow at about 1,800 ft.; bottom of bore on bedrock; bore lined with some 7-in. casing and to within a length of the bottom with 6-in. casing; flow in July, 1914=1.5 in. over 6-in. casing; in November, 1914, the outlet was lowered by 5 ft., and the flow thereby doubled, but in January, 1915, the flow had diminished to a dribble; subsequently the 6-in. casing clamps were removed; and in February, 1915, the 6-in. casing was found to have slipped 19 ft. below the top of the 7-in. casing, and the flow stopped altogether. Inspected 28/5/15; W.L., 5.5 ft. below surface; 7-in. casing 6 in. above ground level and in good condition; variation of temp. in bore—at 6 ft. 82.5°, at 130 ft. 90°, at 331 ft. 96.5°, at 463 ft. 101°, at 925 ft., 114.5°, at 1,585 ft. 130°, at 1,981 ft. 132°, and at 2,401 ft. 138° F. Reinspected 4/8/15; supply found to be cut off by the slipping of the 6-in. casing; bore now worthless.
6. Original estimated flow, 1,750,000 g. p. d.; bore lined with 6-in. casing nearly to bottom (not seated). Inspected 21/5/15; flow, 1,097,600 g. p. d.; static head, 138 ft. to 166 ft.; temp., 114.5° F.; duration of static test, 1 hour 38 minutes; after 1½ hours' test the normal leak of about 50,000 g. p. d. outside the casing increased to 65,000 g. p. d., but went back to normal again when releasing the pressure; some gas was noticed in outside flow; stated that owner temporarily closed the bore recently without any ill effects.
7. Original flow, 13 in. over 6-in. casing; fresh water at 305 ft. rose to 200 ft. and 560 ft. to 60 ft. below surface; flow at 970 ft., 1,625 ft., 1,880 ft., 2,036 ft., 2,110 ft., and 2,245 ft.; bottom of bore in 1 ft. of hard granite; bore lined with 486 ft. of 8-in. and 2,280 ft. of 6-in. casing (see Lic. 221). Inspected 27/5/15; flow, 499,000 g. p. d.; static head, 25 ft. to 32 ft.; temp., 123° F. Reinspected 20/9/15; flow, 478,200 g. p. d.; static head, 31½ ft. Reinspected 9/10/15; flow, 464,400 g. p. d.; static head, 31½ ft.
8. Bore sunk close to No. 3 bore; fresh water at 80 ft. rose to 50 ft., and at 485 ft. to 40 ft. below surface; flow of about 8,000 g. p. d. at 570 ft., and about 36,000 g. p. d. at 960 ft.; further flows at 1,590 ft., 1,735 ft., 1,840 ft., and 2,010 ft.; estimated at 365,000 g. p. d.; bore lined with 465 ft. of 8-in. and 2,115 ft. of 6-in. casing; bottom in white rock; see Lic. 285.

Glenbar—Original flow, 16 in. over 6-in. casing; 831,000 g. p. d. by V-notch gauge; water at 340 ft. rose to 140 ft. below surface; flow at 820 ft., 1,150 ft., 1,510 ft., and 2,000 ft.; bore lined with 398 ft. of 8-in. and 2,015 ft. of 6-in. casing. Inspected 3/6/15; flow, 637,200 g. p. d.; static head, 40 ft. to 42.5 ft.; temp., 112.5° F.; 6-in. casing badly rusted by spray.

198a. Bogarëlla Lease—Data in table from station books at the beginning of 1916; stated that water was struck in small quantities, generally at 200 ft. or 300 ft.; bores Nos. 6 and 7 are reputed to be too crooked to insert pumping gear.

199. Bogunda—

- 1A. Tools jammed; casing drawn; abandoned.
1. Inspected 29/9/97; water a little brackish; pumped from 140 ft. into an earthwork circular tank.
2. Inspected 29/9/97; water pumped from 80 ft. into a G.C.I. tank.

200. Bon Accord—

- 1, 2, and 3 Wells; good supplies.
 4. Well, 150 ft. deep; bored 30 ft.; water rose 74 ft. in 20 minutes.
 6. Well; unlimited supply; an underground stream.
 7. Well; unlimited supply.
 8. Well; unlimited supply.
 9. 8-in. bore.
 10. Well; unlimited supply.
 11. Well, 130 ft. deep; bored 10 ft.; water rose 18 ft. in 1 hour.
 12. Well; unlimited supply.
 13. Well, 110 ft.; bored 6 ft.; water rose 73 ft. in 30 minutes. Information obtained from Government Geologist's Report, dated 17th December, 1898.
- Sunk twenty additional bores to an average depth of 60 ft. within two months, before April, 1909.

201. Bonus Downs—

1. No boring records; original W.L. 60 ft. below surface; a shaft sunk to W.L. Inspected 19/5/16, W.L. at 81 ft., pumping plant destroyed by fire; instalment of air lift contemplated.
 2. Now on Annie Vale Lease; no boring records; bore determined in slate formation; lined with 8-in. and 6-in. casing. Inspected 20/3/16; flow, 98,000 g. p. d.; temp., 126° F.; water very good.
 3. Struck small soak of salt water at 450 ft.; fresh water at 814 ft.; rose to within 81 ft.; flow at 2,460 ft., 2,490 ft., 2,550 ft., 2,620 ft., 2,790 ft., and 2,890 ft.; total estimated flow, 275,000 g. p. d.; bottom in 20 ft. of very hard brown sandstone; bore lined with 200 ft. of 8-in. and 2,260 ft. of 6-in. casing. See bore section 268 and Lic. No. 8. Inspected 23/1/16; flow, 218,000 g. p. d.; temp., 126° F.; water good, but has a gaseous taste and odour.
 4. Struck about 5,000 g. p. d. of salt water at 414 ft., which rose to within 150 ft., and a good supply of fresh water at 934 ft., which rose to within 60 ft.; flow of 30,000 g. p. d. at 2,975 ft. increased to 230,000 g. p. d. at 3,010 ft.; temp., 137° F.; bottom in 71 ft. of grey shale; bore lined with 53 ft. of 10-in., 204 ft. of 8-in., and 2,867 ft. of 6-in. casing. See bore section 269 and Lic. No. 53. Inspected 29/3/16; flow, 157,000 g. p. d.; static head, 29.5 to 32 ft.; temp., 135° F.; water very good.
 5. Met with a good supply of fresh water at 496 ft., which rose to within 100 ft.; flow of 90,000 g. p. d. at 2,590 ft.; increased to 160,000 g. p. d. at 2,726 ft.; static head over 16 ft.; bore determined in 126 ft. of hard sand rock; bore lined with 50 ft. of 10-in., 200 ft. of 8-in., and 2,260 ft. of 6-in. casing. See bore section 270 and Lic. No. 110. Inspected 15/3/16; flow, 86,000 g. p. d.; static head about 7 ft.; 124° F.; water has a gaseous smell and taste for a considerable time after being drawn.
 6. Met with salt water at 330 ft.; rose to 150 ft.; fresh water at 820 ft. rose to within 70 ft.; estimated supply, 50,000 g. p. d.; flow at 2,676 ft., 2,694 ft., 2,714 ft., 2,775 ft., 2,826 ft., 2,881 ft., 2,935 ft., 2,992 ft., and 3,020 ft.; total estimated flow, 295,000 g. p. d.; bottom in 579 ft. of sand rock; bore lined with 295 ft. of 10-in., 810 ft. of 8-in., and 2,654 ft. of 6-in. casing. See Lic. 144. Inspected 21/3/16; flow, 268,000 g. p. d.; static head, 34.6 ft. to 37.5 ft.; temp., 134° F.; water good, but has a gaseous taste and smell.
 7. Homestead—Struck a soakage at 625 ft.; at 700 ft. the water rose to within 130 ft.; estimated pumping supply, 50,000 g. p. d.; bore lined with 746 ft. of 6-in. casing. See Permit 13. Inspected 26/5/16; W.L. at 180 ft.; water used for domestic purposes and irrigation.
 8. Lined with 6-in. casing; W.L. on completion at 160 ft. Inspected 16/3/16; water slightly brackish.
 9. Lined with 6-in. casing; W.L. at 205 ft. Inspected 25/5/16; water very brackish, but improves by standing.
 10. Very small supply at 365 ft.; bottom in hard black shale; bore filled in.
- Cytherea No. 1—No boring records. Inspected 28/3/16; flow, 218,000 g. p. d.; partial static test of 35 minutes only showing a static head of 36 ft. to 38 ft.; temp., 131° F.; casing badly corroded above surface and leaking; water very good, but of gaseous taste and smell.
- Cytherea No. 2—Struck soak of brackish water at 660 ft.; fresh water at 875 ft. rose to 300 ft., at 974 ft. to 120 ft., and at 2,907 ft. to within 24 ft.; flow of 5,000 g. p. d. at 2,991 ft.; increased to 20,000 g. p. d. at 3,015 ft., and to 40,000 g. p. d. at 3,030 ft.; flow after lowering outlet to near surface 7-in. over 6-in. casing; bottom in 37 ft. of slate and 3 ft. of bed rock; bore lined with 436 ft. of 8-in. and 2,782 ft. of 6-in. casing.

See Lic. 269. Inspected 28/3/16; flow, 35,000 g. p. d.; static head, 2.6 ft.; temp., 134° F.; water very good, but has a gaseous taste and smell; air lift to be installed.

202. Boolbie—Salt water at 330 ft.; brackish water at 780 ft.; fresh water at 2,600 ft.; rose to within 30 ft.; bore in progress.

203. Boorara Lease—

- Former estimated flow, 9,000 g. p. d. Inspected 6/3/12; flow, 450 g. p. d.; static head, about 11 ft.; temp., 82.5°; outlet 31 in. above ground; about three years ago the bore was cleaned out but did not regain its former flow.
- Original estimated flow, 75,000 g. p. d. Inspected 26/4/12; flow, about 15,000 g. p. d.; temp., 85° F.; outlet about 3 ft. above ground; flow and temp. estimated only.
- Original estimated flow, 17,000 g. p. d. Inspected 17/4/12; flow, 5,270 g. p. d.; static head, about 9 ft.; temp., 92° F.; supplies quarters and horse paddock.
- Estimated flow in 11/6/01=1,080,000 g. p. d.; reported static head (?) before July, 1901=277 ft.; temp., 132° F. Inspected 14/3/12; flow, 682,800 g. p. d.; static head, 189 ft. to 213 ft.; temp., 128.5° F.; normal flow measured under a static head of 14 ft., caused by friction in 60 yards of piping; 6-in. casing badly corroded above wooden clamps; until two seasons ago the bore was utilised for driving sheep-shearing machines, and about 30 acres were successfully irrigated for fodder; duration of static test, 1½ hour.
- Original estimated flow, 20,000 g. p. d. Inspected 18/4/12; flow, 7,820 g. p. d.; static head, about 9 ft.; temp., 96° F.; outlet 16 in. above ground; used as a watering-place for stock; met with granite at 730 ft. and drilled 70 ft. into it; granite similar to that at Hungerford.
- Former estimated flow, 3,000 g. p. d. Inspected 26/2/12; flow, 2,410 g. p. d.; static head, about 14 ft.; temp., 87° F.; supplies troughing

Currawinya Lease—

- Former estimated flow, 75,000 g. p. d. Inspected 18/3/12; flow, 32,500 g. p. d.; temp., 93° F.; outlet below W.L. in pool; water issued outside casing on partial closure.
- Met with salt water at 200 ft.; abandoned.

Currawinya Wells—

Koonta—A drive of 60 ft. at bottom of well.

Perry's—A drive of 50 ft. at bottom of well.

Gunn's—A drive at bottom of well.

Boko—A well to 100 ft.; drilled 100 ft.

Bokeen—Inspected 29/3/12; W.L., 6 ft. below surface; water putrid, not used; temp., 69° F.; sunk 1 chain east of Bokeen Spring.

204. Boothulla Lease—Original flow, 730,000 g. p. d. (roughly gauged by owner); great quantities of gas were belched by the bore for some time after completion; bottom on bed rock; flow at 229 ft., 1,832 ft., 2,630 ft., 2,961 ft., and 3,125 ft.; bore lined with 12 ft. of 10-in., 32½ ft. of 8-in., 1,933 ft. of 6-in., and 3,101 ft. of 5-in. casing; 6-in. casing jammed in sand; last 100 ft. not cased. Inspected 4/11/14; flow, 464,400 g. p. d.; temp., 146° F.; bore casing as yet in good condition, but there is evidence that the water is highly corrosive; some red-brown precipitate near bore head; water not very palatable; some gas in flow.

205. Bowen Downs—

- Original flow, 493,000 g. p. d. (tank measure); static head, 150 ft. (by owner). Inspected 3/6/97; flow, 145,600 g. p. d.; static test, partial only; temp., 100° F. Reinspected 8/7/13; no gaugings made; temp., 99° F.; casing very much corroded above surface; half-mile of 4-in. aqueduct pipe leads the water over a ridge.
- Original estimated flow, 1,180,000 g. p. d.; temp., 103° F.; first flow at 860 ft., second below 1,171 ft. Inspected 1/6/97; flow estimated at over 500,000 g. p. d.; static head, 75 ft. to 88 ft.; temp., 105° F. Reinspected 18/8/13; no gaugings made; temp., 104° F.; bore in head of a gully overgrown with bulrushes for several miles.
- Original flow, 780,000 g. p. d. (by owner); first flow at 585 ft., second below 785 ft. Inspected 26/5/98; flow, 287,000 g. p. d., of which 37,650 g. p. d. issued between the 5-in. and 8-in. casings, and increased under closure of the 5-in. casing; temp., 96° F.; stated that the bore was recased to bottom in 1906; estimated flow in 1907=130,000 g. p. d.; bore ceased to flow, date not known. Reinspected 24/7/13; W.L., 10 ft. below surface; temp., 94° F.
- Original depth, May, 1892, 2,251 ft.; flow, about 115,000 g. p. d.; temp., 125° F.; flow suddenly stopped in May, 1893; bore deepened March to November, 1894; stated that about the same volume was obtained after deepening as from the original depth. Inspected 19/5/98; flow, 75,680 g. p. d.; static head, 10.1 ft. to 14.4 ft.; temp., 136° F.; water had a milky appearance from evolution of gas; flow again suddenly stopped on 6/10/03; W.L., 5 ft. below surface in 1907. Reinspected 25/4/13; W.L., 38 ft. below surface. In

January, 1904, an attempt was made to regain the flow, but the boring tools would not enter the 4-in. liner; bore lined with 17 ft. of 10-in., 86 ft. of 8-in., 2,637 ft. of 5-in., and 657 ft. of 4-in. casing, the latter string is resting on a ledge about 14 ft. from bottom.

- Highbury—Brackish water at 237 ft., and a supply at 1,440 ft.; main supply at 1,950 ft. to 2,010 ft.; rose to 60 ft. below surface; see Permit 76.
- Original flow, 530,000 g. p. d.; static head, 77 ft.; temp., 109° F.; first flow at 1,145 ft., second at 1,487 ft.; bore lined with 16½ ft. of 10-in., 113 ft. of 8-in., 920 ft. of 6-in., and 310 ft. of 5-in. casing. Inspected 12/5/98; flow, 476,700 g. p. d.; static head, 39 ft. to 40.5 ft.; temp., 112° F.; flow diminished gradually, and stopped flowing in June, 1912. Reinspected 9/10/13; W.L. at surface.
- Former flow, 362,880 g. p. d.; temp., 123° F.; flows at 1,485 ft. and 1,900 ft.; water highly charged with gas; bore lined with about 16 ft. of 10-in., 1,461 ft. of 6-in., and 565 ft. of 5-in. casing. Inspected 18/5/98; flow, 305,900 g. p. d.; static head, 24.6 ft. to 25.3 ft.; temp., 124° F.; small amount of diffused breadamp in flow; estimated flow early in 1907=80,000 g. p. d.; bore stopped flowing in August, 1907. Reinspected 13/8/13; W.L. below an obstruction (apparently a large stone) at 24 ft. from top of casing.
- See Mount Cornish, No. 3.
- See below "Acacia Downs" (206).
- Original W.L. at surface; bore lined to 1,536 ft. with 6-in. casing, one length of casing left out at about 700 ft. for ingress of water. Inspected 19/7/13; W.L., 45 ft. below surface.
- Original flow not known; flows at 1,345 ft. and below 1,740 ft.; bore lined with some 8-in. and 1,923 ft. of 6-in. casing. Inspected 4/8/13; flow 319,500 g. p. d.; temp., 119° F.; some flow between 8-in. and 6-in. casing; water very good.
- Original flow not known; flows at 1,310 ft. and below 1,572 ft.; bore lined with some 8-in. and 1,805 ft. of 6-in. casing. Inspected 15/8/13; flow, 253,000 g. p. d.; static head, 7 ft. to 9 ft.; pressure test approximate; drains are apparently coloured with ferric oxide.
- Original flow over 800,000 g. p. d.; flows at 1,110 ft. and at bottom; bore lined with 103 ft. of 8-in. and 1,466 ft. of 6-in. casing. Inspected 7/10/13; flow, 727,100 g. p. d.; temp., 119° F.; casing thickly covered with rust and slime.
- Original estimated flow, 275,000 g. p. d.; estimated flow at 310 ft.=250,000 g. p. d.; bore lined with 61 ft. of 8-in. and 646 ft. of 6-in. casing. Inspected 27/8/13; flow, 102,000 g. p. d.; temp., 84° F.; most of the water issues between the 6-in. and 8-in. casings.
- Original estimated flow, 275,000 g. p. d.; water at 55 ft. and 122 ft.; bore lined with 55 ft. of 8-in. and 123 ft. of 6-in. casing. Inspected 1/9/13; flow, 117,000 g. p. d.; temp., 84° F.; leak between 8-in. and 6-in. casing.
- Original estimated flow, 900,000 g. p. d.; water-bearing bed between 195 ft. and bottom; bore lined with 63 ft. of 8-in. and 209 ft. of 6-in. casing. Inspected 26/8/13; flow, 595,000 g. p. d.; static head, 14 ft. to 18 ft.; temp., 84° F.; slight leak between 8-in. and 6-in. casing.
- Original W.L., about 5 ft. below surface; supplies at 715 ft. and 970 ft.; bore lined with 60 ft. of 8-in. and 750 ft. of 6-in. casing. Inspected 3/6/13; W.L., 8ft. below surface; temp., 99° F.; a trench was cut to below the original W.L. to let the water run, but the bore is now pumped; a little gas apparent in water.

206. Bowen Downs Resumption—

Aviemoor—Original estimated flow, 635,000 g. p. d.; flows at 1,730 ft. and at bottom; bore lined with 60 ft. of 6-in. and 2,560 ft. of 5-in. casing. Inspected 7/11/12; flow, (?) 362,000 g. p. d.; temp., 137° F.; very heavy deposit of red iron oxide in bore drain; hydraulic ram employed for house supply; joint bore between J. Munro and G. A. Allen. Reinspected 23/6/13; flow, 379,000 g. p. d.; temp., 137° F.; water corrosive. Reinspected 22/7/14; flow, 359,000 g. p. d.

Tuaburra—

- Original estimated flow, 320,000 g. p. d.; a trickle at 1,675 ft.; a flow of 7,000 g. p. d. at 1,880 ft., and main flow between 2,200 ft. to 2,350 ft.; the rest of the depth is very hard, fine sand rock; bore lined with 2,200 ft. of 6-in. casing; flow diminished gradually and ceased to flow on 14/4/11, when Scotstown bore struck water. Inspected 6/11/12; W.L., 13.25 ft. below top of casing. When Tuaburra No. 2 bore (½ mile northerly) struck a flow the W.L. in No. 1 bore stood at 16 ft. below top of casing, and rose then to within 4 ft.; and after the main supply was tapped in No. 2 bore No. 1 bore commenced to flow again. Reinspected 27/6/13; flow from near surface, 7,900 g. p. d.; temp., 136° F. Reinspected 12/6/14; flow, 11,000 g. p. d.
- Inspected 6/11/12; bore in progress; depth, 2,500 ft.; flow, 279,000 g. p. d.; temp., 130° F. Reinspected 28/6/13; flow, 435,000 g. p. d. (measured in one drain); static head, 31.3 ft. to 32.5 ft.; temp., 135° F.; bore lined with 68 ft. of 10-in., 156 ft. of 8-in., and 3,001 ft.

of 6-in. casing; slight leak between 8-in. and 6-in. casing. Reinspected 12/6/14; flow, 440,000 g. p. d. (measured in four separate streams); no static test; temp., 135° F.; leak between casing increased to 32,600 g. p. d.

Wilton—Originally flowing at the rate of 36,000 g. p. d., but for a very short time; water from 1,705 ft. rose to 25 ft., and from 2,300 ft. to 10 ft. below surface; from 2,795 ft. the water trickled over casing, and then there was a small flow from 3,001 ft.; bore lined with 60 ft. of 8-in., 2,300 ft. of 6-in., and 2,900 ft. of 5-in. casing. Inspected 14/6/13; flow from 7 ft. below surface, 45,000 g. p. d. (trench cut to creek); a little gas present in water.

Scotstown—Original flow, 80,000 g. p. d.; temp., 120° F.; bore lined with 63 ft. of 8-in. and 2,117 ft. of 6-in. casing; flow was observed to be diminishing for some time, but it suddenly stopped flowing on 22/9/12, the day after Tuaburra No. 2 struck water, and the water potential receded 3 ft. in one night. Inspected 5/11/12; W.L., 1.4 ft. below surface; temp., 120° F.; some red iron oxide in bore drain. Reinspected 26/5/13; W.L., 3.2 ft. below surface.

Acacia Downs, Templeton's (formerly Bowen Downs, No. 8)—Original estimated flow, 350,000 g. p. d.; reported depth, 2,250 ft.; flows at 1,680 ft. and at bottom; bore lined with 1,864 ft. of 6-in. casing and 616 ft. of 5-in. casing. Inspected 20/5/98; flow, 297,000 g. p. d.; static head, 22 ft. to 23.5 ft.; temp., 130° F.; estimated flow in 1907=200,000 g. p. d.; bore deepened (28/2/08 to 28/5/08) from 2,418 ft. to 3,020 ft., obtaining thereby an estimated flow over 545,000 g. p. d., and a static head of over 40 ft.; main water-bearing bed from 2,478 ft. to 2,757 ft.; the 5-in. liner is now withdrawn. Reinspected 18/11/12; flow, 337,000 g. p. d.; temp., 140° F.; large quantity of small gas bubbles in flow; small deposit of red iron oxide in bore drain. Reinspected 24/6/13; flow, 338,000 g. p. d.; temp., 140° F.; a little gas in small bubbles. Reinspected 23/7/14; flow, 310,000 g. p. d.; temp., 140° F.; no gas apparent.

Crossmoor—Original estimated flow, over 460,000 g. p. d.; bore lined with 68 ft. of 8-in. and 2,340 ft. of 6-in. casing. Inspected 21/11/12; flow, 378,000 g. p. d.; static head, 53 ft. to 60 ft.; temp., 148° F.; large quantity of odourless gas in flow; slight deposit of red iron oxide in bore drain. Reinspected 17/6/14; flow, 372,000 g. p. d.; slight quantity of gas in flow. Reinspected 30/5/16; flow, 359,100 g. p. d.; temp., 148° F.; water very good.

207. Breadalbane Group—

- Original flow, 1,208 g. p. d.
 - Tools lost in bore; original flow, 300 g. p. d.
 - and d. No water.
- Met with salt water at 728 ft.; bore abandoned; casing drawn; see Lic. 150.
 - Met with slightly brackish water at 233 ft.; flow at 680 ft., with gradual increase to 754 ft.; flow, 3 in. over 6-in. casing; bottom in limestone; bore lined with 17 ft. of 10-in., 96 ft. of 8-in., and 673 ft. of 6-in. casing; see Lic. 250.
 - No data; see Lic. 253.
 - Small flow of fresh water at 365 ft.; bottom in hard limestone; bore lined with 18 ft. of 10-in., 16 ft. of 8-in., and 365 ft. of 6-in. casing; see Lic. 251.
 - No data; see Lic. 252.

208. Brenda Lease—Original flow, 1,800,000 g. p. d.; lined with 34 ft. of 8-in. and 2,000 ft. of 6-in. casing. Inspected 5/9/12; flow, 1,381,200 g. p. d.; computed static head, 330 ft.; temp., 128° F.; outlet 3½ ft. above surface; small leak between 8-in. and 6-in. casing, increased slightly on closure; 6-in. casing pitted in places above water level.

209. Brighton Downs—

- For strata, etc., see bore section, 54; estimated original flow unreliable. Inspected 27/2/96; flow, 773,000 g. p. d.; static head, 275 ft. to 295 ft.; temp., 155° F.
- For strata, etc., see bore section, 55; original flow, 23 in. over 5-in. casing. Inspected 18/2/96; flow, 562,600 g. p. d.; static head, 272 ft. to 298 ft.; temp., 153° F.
- Original estimated flow, 1,125,000 g. p. d.
- Original estimated flow, 1,750,000 g. p. d. Inspected 7/3/14; flow, 894,000 g. p. d.; static head, 76 ft. to 83 ft.; temp., 126° F.; water good.
- Brackish water at 230 ft., rose to 210 ft.; supply of 28,800 g. p. d. at 437 ft., rose to 263 ft.; small flow at 2,238 ft., increase at 2,274 ft. to 2,331 ft., and at 2,363 ft. to 2,420 ft.; total flow, 31½ in. over 6-in. casing; bottom in sandrock; bore lined with 36 ft. of 8-in. and 2,267 ft. of 6-in. casing; see Lic. 15.
- Supply at 1,267 ft.; flow at 1,340 ft. and 1,428 ft.; total flow, 984,000 g. p. d.; bottom in sandstone; bore lined with 514 ft. of 8-in. and 1,346 ft. of 6-in. casing; see Lic. 217.

Lilleyvale—For strata, etc., see bore section, 292 and Notice No 6; original jet 9 in. over 4-in. casing. Inspected 15/9/13; flow, 240,000 g. p. d.; static head, 60 ft. to 64 ft.; cased with 4-in. casing only; first flow at 1,380 ft. cased off; about 45,000 g. p. d. are issuing outside the casing; outlet 2½ ft. above ground.

Gnalta—Original estimated flow, 310,000 g. p. d. Met with six distinct flows between 1,300 ft. and 1,500 ft. in sandstone; bottom in very fine sand (caving very badly); bore lined with 100 ft. of 8-in. and 1,300 ft. of 6-in. casing; see Lic. 18. Inspected 10/9/13; flow, 161,400 g. p. d.; static head, about 10 ft.; temp., 132° F.; outlet 1 ft. above surface. Reinspected 21/2/15; flow, 81,600 g. p. d.; static head, about 5 ft.; temp., 132° F.; some red oxide of iron and green fungus in bore drain; excellent drinking water.

210. Brisbane District, Lindum—Sunk for coal by Calyx drill.

211. Britannia Station—Data from newspaper reports.

213. Bunda Bunda Lease—

- Original estimated flow, 745,000 g. p. d.; depth, 682 ft.; bore lined with 73 ft. of 8-in. and 394 ft. of 6-in. casing. Inspected 29/12/96; flow then 433,000 g. p. d.; static head, 90 ft. to 138 ft.; temp., 97° F. In 1900 the flow had diminished to about 360,000 g. p. d. and the bore was deepened to 1,004 ft., increasing thereby the flow to about 2,330,000 g. p. d. The deepening was carried out without inserting any additional casing. In 1908 the 6-in. casing was so badly corroded that a test was made (by lowering a length of 5-in. casing) in view of recasing the bore, but an obstruction was found at about 100 ft. from the surface. Soon after this test, the rotten casing was carried to the surface by the rush of water, consisting only of long strips or ribbons as thin as paper, and the flow diminished more rapidly. Two or three months afterwards several large cracks appeared on the surface, the largest of them was about 300 yards long and as much as 2 ft. and 3 ft. wide in places, and the water could be seen at a depth of 8 ft. or 9 ft. flowing towards the creek. The flow at the bore at that time had almost stopped, but eventually the surface along the cracks collapsed, lowering it in places from 12 in. to 15 in. and the cracks filled up again. Quite suddenly the then subterranean flow towards the creek ceased, and the bore regained its flow, ejecting large quantities of loose rocks and debris from the 8-in. casing for a time, but the flow afterwards kept fairly constant. Reinspected 25/10/12; flow, 1,269,200 g. p. d.; temp., 101° F. The surface rock is limestone with evident layers of soft rock which are readily absorbed by the solvent and erosive energies of flowing water; there is little or no gas in the flow; a slight deposit of iron rust is noticed in the bore drain.

- Original flow not known; bore lined with 94 ft. of 8-in. and 294 ft. of 6-in. casing. Inspected 7/1/97; flow, 340,000 g. p. d.; static head, 55 ft. to 101 ft.; temp., 106.5° F. Reinspected 6/12/12; estimated flow, 185,000 g. p. d.; temp., 106° F.; 6-in. casing at surface practically uncorroded; no gas perceptible in flow. Reinspected 30/1/15; flow, 110,600 g. p. d.; temp., 106.5° F.; water non-corrosive, CO₂ = nil.

- Original flow, 18 in. over 6-in. casing; depth, 724 ft.; bore lined with 75 ft. of 8-in. and 312 ft. of 6-in. casing. Inspected 30/12/96; flow, 431,500 g. p. d.; temp., 98° F. In 1900 the flow had decreased to 4 in. over 6-in. casing and the bore was deepened to 883 ft., which increased the flow to 64 in. over the casing. Later on a similar test to that of No. 1 bore was made, with a view of relining the bore with 5-in. casing, but an obstruction was met with at less than 100 ft. from the surface. Reinspected 26/10/12; flow, 1,142,100 g. p. d.; temp., 99° F.; there is no casing at all in the bore; the water issues from a circular hole in the rock about 18 in. in diameter, and little gas is given off from the flow.

- Original flow, 34 in. over 6-in. casing; depth, 619 ft.; bore lined with 50 ft. of 8-in. and 277 ft. of 6-in. casing. Inspected 5/1/97; flow then 897,000 g. p. d.; static head, 81 ft. to 99 ft.; temp., 98.5° F. The bore was deepened in 1905 from 619 ft. to 960 ft. and the flow was thereby increased from 28 in. to 69 in. above the casing; no additional casing was inserted. Reinspected 30/10/12; flow, 1,169,000 g. p. d.; temp., 102.5° F.; the water has slight corrosive properties; there is a slight iron rust deposit and a little gas in the flow; a 2½-in. hydraulic ram feeds a small tank for house supply. Reinspected 3/2/15; flow, 858,200 g. p. d.; 6-in. casing corroded very thin; bore lined to 930 ft. with 5-in. casing in December, 1914.

- Original estimated flow, 900,000 g. p. d.; depth, 707 ft.; first flow at 613 ft.; bore lined with 622 ft. of 6-in. casing. Bore deepened in 1905 to 1,104 ft., and the flow increased from 18 in. to 72 in. over 6-in. casing; no additional casing inserted. Inspected 30/10/12; flow, 1,447,700 g. p. d.; temp., 103° F.; water slightly corrosive; slight deposit of red oxide. Reinspected 11/2/15; flow, 1,223,300 g. p. d.; water slightly corrosive; free flow, about 42 in. over casing.

- Woolstone, No. 1 Bore—Original jet 116 in. over 6-in. casing. Inspected 7/1/15; flow, 667,500 g. p. d.; temp., 105.5° F.; bore relined with 5-in. casing (15/12/14) to 768 ft.; old 6-in. casing badly corroded at surface and honeycombed in parts; very little gas present. CO₂ approximate 1.7 gr. p. g.

- Original flow, 84 in. over 6-in. casing; first flow at 890 ft.; no other records obtainable. Inspected 28/10/12; flow, 1,169,000 g. p. d.; temp., 101° F.; all casing has disappeared from the surface; the bore hole has become enlarged and is now from 2 ft. to

- 3 ft. in diameter; at about 8 ft. in depth a large stone appears to be wedged over the bore hole; the water is apparently corrosive; there is no mineral deposit, and no gas in the flow.
8. Woolstone, No. 2 Bore—Original estimated flow, 2,000,000 g. p. d.; bore lined with 50 ft. of 10-in., 153 ft. of 8-in., and 501 ft. of 6-in. casing; see Lic. 49. Inspected 12/11/12; approximate flow, 1,500,000 g. p. d. temp., 105° F. A flow of about 250,000 g. p. d. is issuing between the 8-in. and 6-in. casing; signs of red iron rust; some gas detected by slight odour only. Reinspected 14/1/15; flow, 1,433,700 g. p. d.; temp., 105° F.; flow between 8-in. and 6-in. casing about 70,000 g. p. d.; top of casing slightly corroded; CO₂=2.10 gr. p. g.
- Pinaba Lease—**
1. Original flow, 64 in. over 6-in. casing. Met with a flow at 120 ft., 200 ft., 360 ft., 460 ft., 580 ft., and 680 ft.; bottom in sandstone; bore lined with 50 ft. of 10-in., 133 ft. of 8-in., and 360 ft. of 6-in. casing; see Lic. 26. Inspected 16/10/15; flow, 1,261,000 g. p. d.; temp., 99° F.; water very good; very small quantities of gas in flow; CO₂ test=1.75 gr. p. g. at 95° F.; practically no corrosion as yet; small leak between 8-in. and 6-in. casings.
 2. First water at 400 ft., rose to top of casing; original flow, 72 in. over 6-in. casing; bottom in sandstone. Bore lined with 50 ft. of 10-in., 150 ft. of 8-in., and 500 ft. of 6-in. casing; see Lic. 26. Inspected 19/11/12; flow, 59 in. over casing; a flow between 8-in. and 6-in. casing; casing shows signs of corrosion; a little gas present. Reinspected 12/1/15; flow, 1,392,000 g. p. d. (45 in. over casing); temp., 103° F.; estimated flow between casings, 95,000 g. p. d.; casings badly corroded on top; very little gas. CO₂=2.30 gr. p. g. at 95° F.
- Malpas Lease—**A flow at 86 ft. of about 1 in. over 8-in. casing; at 359 ft., 10 in. over 6-in. casing; at 639 ft., 48 in.; at 727 ft., 66 in.; and at 754 ft., 93 in. over 6-in. casing; bottom in sandrock; bore lined with 50 ft. of 10 in., 150 ft. of 8-in., and 280 ft. of 6-in. casing; see Lic. 79. Inspected 28/7/15; flow, 1,446,600 g. p. d.; temp. 99° F.; total leakage between 10-in., 8-in., and 6-in. casings, about 150,000 g. p. d.; some signs of corrosion on casing; water very good for general purposes; very little gas in flow; free CO₂=1.45 gr. p. g. at 95° F.
- East Creek Lease—**Met with a mud spring at 93 ft. to 101 ft.; flow over 6-in. casing, at 269 ft.=10 in.; at 401 ft., 40 in.; at 461 ft., 48 in.; and at 633 ft., 72 in. over 6-in. casing; bottom in 46 ft. of sandstone; bore lined with 50 ft. of 10-in., 150 ft. of 8-in., and 243 ft. of 6-in. casing; see Lic. 96.
- Trenton Lease—**
1. Small flow at 127 ft.; at 176 ft., flow 1 in. over 6-in. casing; at 290 ft., 10 in.; at 415 ft., 48 in.; at 57 ft., 72 in.; and at 550 ft., 90 in. over 6-in. casing (about 2,000,000 g. p. d.); bottom in 25 ft. of sandstone; see Lic. 97. Inspected 30/7/15; flow, 720,000 g. p. d.; flow between 8-in. and 6-in. casings, about 10 per cent. of total flow; casing at surface uncorroded; water very good; no gas in flow; some deposits of (?) soda on banks of drain.
 2. Flow of 1½ in. over 8-in. casing at 138 ft.; small increase at 454 ft. to 614 ft.; total original flow, 6 in. over 6-in. casing; bore lined with 50 ft. of 10-in., 150 ft. of 8-in., and 249 ft. of 6-in. casing; bottom in 3 ft. of grey decomposed granite; see Lic. 104. Inspected 20/9/15; flow, 278,000 g. p. d.; temp., 95° F.; slight leak between 8-in. and 6-in. casings; water very good for all purposes; very little gas in flow; CO₂ test=0.35 gr. p. g. at 90° F.
 3. Met with a flow of about 1 in. over 8-in. casing at 189 ft. to 195 ft. in green rock, and a flow of 1½ in. over 6-in. casing at 350 ft. to 428 ft. in sandrock; entered into soft, red rock at 521 ft., changing into very hard rock (? granite) at bottom; bore lined with 50 ft. of 10-in., 177 ft. of 8-in., and 340 ft. of 6-in. casing; see Lic. 129. Inspected 23/9/15; flow, 137,000 g. p. d.; temp., 95° F.; about 5 per cent. of the total flow is issuing between the 8-in. and 6-in. casings; water very good; no gas in flow; CO₂ test=0.25 gr. p. g. at 90° F.; casing uncorroded.
- Roderick Lease—**
1. First flow at 245 ft.; second flow at 520 ft. to 570 ft. in sandrock; total original flow, 6 in. over 6-in. casing; bottom in 5 ft. of very hard, red rock (? granite); bore lined with 18 ft. of 10-in., 166 ft. of 8-in., and 465 ft. of 6-in. casing; see Lic. 136. Inspected 26/9/15; estimated flow 350,000 g. p. d.; very little gas in flow; no corrosion; water very good.
 2. First flow of about 2 in. over 8-in. casing at 210 ft. in 2 ft. of green rock; second flow at 416 ft. in 20 ft. of sandrock; third flow at 544 ft. in 60 ft. of sandrock; bottom in (?) granite; total original flow, 13 in. over 6-in. casing; bore lined with 190 ft. of 8-in. and 396 ft. of 6-in. casing. Inspected 28/9/15; flow, 441,000 g. p. d.; temp., 96° F.; small leak between 8-in. and 6-in. casings; very little gas in flow; CO₂ test=nil; water very good; no corrosion.

Kuradin Lease—Met with a flow of about 2 in. over 8-in. casing at 175 ft. in sandy shale; struck more water at 360 ft. and flow increased very rapidly up to 480 ft.; total original flow, 114 in. over 6-in. casing; bottom in 80 ft. of sandstone; bore lined with 18 ft. of 10 in., 175 ft. of 8-in., and 300 ft. of 6-in. casing; see Lic. 136. Inspected 11/10/15; flow, 1,703,000 g. p. d.; temp., 99.5° F.; very small leak between 8-in. and 6-in. casings; water very good; practically no gas in flow; CO₂ test 1.05 gr. p. g.; no corrosion as yet; largest known original flow in Queensland at such a shallow depth.

Gladevale—Originally lined to sandrock with 6-in. casing and flowing 83 in. over casing. Inspected 8/5/13; flow not gauged; temp., 117° F.; bore determined in water-bearing rock; water issues now from a large circular cavity; no casing left at surface; water corrosive; small quantity of odourless gas in flow.

Evercreech—Original estimated flow, 2,200,000 g. p. d. Inspected 28/12/12; flow estimated at 1,200,000 g. p. d.; temp., 102.5° F.; stated that flow has diminished considerably recently; visible 6-in. casing, badly corroded; red iron oxide in bore drain; some odourless gas is evolved. Reported flow in July, 1914, about 1,300,000 g. p. d.; stated that flow over casing fell to about 4 in. for nine months and then increased again to 33 in. Reinspected 19/1/15; flow, 958,700 g. p. d.; temp., 102.5° F.; holes in 6-in. casing about 6 ft. below top, through which at times all the water issues; water corrosive; CO₂=2.90 gr. p. g. at 96° F.

Yamba—Original flow and depth, etc., not known. Inspected 18/10/12; estimated flow, 450,000 g. p. d.; temp., 108° F.; only 6-in. casing visible at surface; outlet 3.25 ft. above surface; water slightly corrosive.

214. Burenda Lease—Highest potentials noted in Queensland.

1. Original W.L. 34 ft. below surface; very small supply at about 700 ft.; rose to 30 ft.; good supply at about 1,000 ft.; W.L. did not rise any higher below 1,000 ft.; bore lined with 250 ft. of 10-in. casing, 800 ft. of 8-in. casing, and 840 ft. of 6-in. casing; bore then 840 ft. deep. Inspected 28/7/98; W.L. 96 ft. below surface. Reinspected 14/5/99; W.L. not obtained; pumping supply, 30,000 g. p. d.; temp., 87.5° F.
 2. Original flow, 13 in. over 6-in. casing; estimated flow at 1,602 ft.=30,000 g. p. d.; at 2,810 ft.=200,000 g. p. d.; temp. (?) 140° F.; and 3,150 ft.=about 800,000 g. p. d.; temp. (?) 160° F.; bore lined with 712 ft. of 8-in., 2,160 ft. of 6-in., and 1,130 ft. of 5-in. casing. Stated that in January, 1898, the flow ceased for twenty-four hours. Inspected 26/7/98; flow, 333,500 g. p. d.; static head, 71.4 ft. to 89.8 ft.; temp., 133° F. Reinspected 18/5/99; flow, 128,000 g. p. d. Bore cleaned and recased with 5-in. casing in June, 1900; measured flow, 457,000 g. p. d. Bore ceased to flow in about 1901; pump at 56 ft. in 1907. Bore water corrodes casing (see also 3rd Analysis, No. 293). Reinspected 7/3/16; W.L. at 7 ft. below surface, pumped down to 30 ft.; bore has been plugged at 2,200 ft. to keep out corrosive water.
 3. Some water at 240 ft.; supply at 1,500 ft. rose to within 110 ft.; first flow at 2,600 ft. to 2,700 ft. Inspected 25/7/98; bore in progress; depth, 3,600 ft.; flow, 121,700 g. p. d.; static head, 8.25 ft. to 11.7 ft.; temp., 127° F.; deposit of red ochre at bore. Reinspected 19/5/99; flow, 156,000 g. p. d.; temp., 128° F.; bore lined with about 900 ft. of 8-in. casing, 1,700 ft. of 6-in. casing (seated at 1,954 ft.), 1,600 ft. of 5-in. casing (seated at 3,500 ft.), and 200 ft. of 4-in. casing (seated at 3,700 ft.); tools lost at bottom of bore. Bore failed gradually and ceased to flow during 1905. Reinspected 3/3/16; W.L. at 93.3 ft.; present depth to apparent bridging, consisting of shale=1,510 ft.; 8-in. casing at surface badly corroded inside and outside; water good.
 4. Original estimated flow over 500,000 g. p. d.; waterbeds from 1,369 ft. to 1,600 ft. Bore site inspected May, 1899. Reported flow early in 1907=299,300 g. p. d. Reinspected 6/3/16; flow, 223,600 g. p. d.; temp., 103° F.; water good; very little gas in flow; alkaline reaction with phenol-phthalein; apparent bottom at 1,634 ft.
 5. Soaks at 50 ft. and 75 ft.; small flows at 1,285 ft. and 1,490 ft.; good flows at 1,510 ft., 1,550 ft., and 1,600 ft.; bottom in shale. Measured flow after completion, 363,100 g. p. d. Bore lined with 1,572 ft. of 6-in. casing. Inspected 5/3/16; flow, 223,600 g. p. d.; temp., 103° F.; casing badly rusted externally; alkaline reaction with phenol-phthalein.
 6. Original estimated flow, 1,115,000 g. p. d.; supply from 1,625 ft. to 1,760 ft. rose to 33 ft. below surface; estimated flow of 50,000 g. p. d. at 1,780 ft.; more water between 2,220 ft. and 2,280 ft.; main flow near bottom.
- New shallow bores, Nos. 1 to 14—Data in table from owner (not inspected). Bore No. 11A sunk close to No. 10.
- Erin—Stock will not drink this water.

215. Burleigh Lease—

1. Original depth, 416 ft.; flow, 70,000 g. p. d.; temp., 87° F.; deepened to 904 ft., date and result not known; ceased to flow, date not known. Inspected 28/12/11; W.L. about 20 ft. below surface.

2. Original depth, 619 ft.; estimated flow, 580,000 g. p. d.; bore deepened (end of 1901), depth not known; free jet stated to have been 7 ft. over casing. Inspected 19/12/11; bore abandoned; stated that the flow suddenly stopped on account of casing being eaten away by corrosive bore water.
3. Original depth, 635 ft.; estimated flow, 410,000 g. p. d.; bore deepened to 837 ft., date and result not known. Ceased to flow, date not known.
4. Original estimated flow, 250,000 g. p. d. Bore ceased to flow, date not known.
5. Original estimated flow, 455,000 g. p. d. Inspected 24/12/11; W.L. 7 ft. below surface; stated that bore ceased to flow some years ago; water not used; visible lining, 6-in. and 3-in. casing, much corroded.
6. Original estimated flow, 455,000 g. p. d. Bore ceased to flow, date not known.
7. Original W.L. 36 ft. below surface; good pumping supply.
8. Original free jet 8 in. over casing.
9. No data to hand.
10. Original flow not known. Bore ceased to flow, date not known.
11. Original W.L., 15 ft. below surface; bore 5 chains distant from No. 2 bore and somewhat deeper. Inspected 19/12/11. W.L. 15 ft. below surface.
12. Original flow not known. Inspected 16/11/11; flow about 365,000 g. p. d.; temp., about 95° F.; largest flow now on the run.
13. No data to hand.
14. Original flow not known. Inspected 24/5/11; flow about 50,000 g. p. d.; bore about half mile N.E. of No. 5 bore.
15. Bore sunk close to No. 10 bore; no other particulars to hand.
16. No data to hand.

NOTE.—It is stated that the corrosive bore water on this run limits the life of the bore casing from three to five years only.

216. Bylong, Burleigh Resumption—

1. Original flow, 22 in. over 6-in. casing; ceased to flow in 1911; failure partly due to corrosive bore water, causing collapse of bore hole. Inspected 25/4/14; stated that a coal seam was met with; bore abandoned.
2. Water at 80 ft. rose to 30 ft., at 235 ft. it rose to surface; flow at 400 ft. and 556 ft. to bottom; original estimated flow, 260,000 g. p. d.; lined with 387 ft. of 5-in. casing. Inspected 6/5/14; flow, 110,000 g. p. d.; temp., 99° F.; outlet at surface; very little gas in flow; slight odour.
3. Supply at 150 ft. rose to 30 ft.; flows at 653 ft., 800 ft., and 1,000 ft.; lined with 80 ft. of 8-in. and 348 ft. of 6-in. casing; Original estimated flow from an outlet 2.4 ft. above ground=255,000 g. p. d. Inspected 25/4/14; flow, 102,000 g. p. d.; temp., 99° F.; present outlet 6.8 ft. lower than original outlet; trenched about 5 ft. deep. This bore is 12 yards apart from No. 1 bore, and when sinking No. 3 bore it was found that the original supply between 620 ft. and 800 ft. had greatly diminished; large deposit of red iron oxide in bore drain, imparting a strong flavour to the water; very little gas present.
4. Fresh water at 336,652 ft. and 858 ft.; W.L. 17 ft. below surface; bottom in sandrock; bore lined with 300 ft. of 8-in. and 340 ft. of 6-in. casing; see Lic. 215.
5. Fresh water at 234 ft. rose to within 18 ft., at 340 ft. to 10 ft.; good flow at 680 ft.; main flow near bottom in sandstone and pipe clay; total flow, 5½ in. over 6-in. casing; lined with 200 ft. of 8-in. and 675 ft. of 6-in. casing; see Lic. 301.

Oxford Downs—

1. Original estimated flow, 680,000 g. p. d. Inspected 22/5/13; bore failed gradually; casing completely corroded away at surface; bore collapsed; there is still a very small flow from the bore.
2. Original flow not known; bore sunk about 2 chains distant of No. 1 bore. Inspected 22/5/13; flow, 371,700 g. p. d.; temp., 101.5° F.; 8-in. and 6-in. casing visible at surface; signs of corrosion on casings.

217. Burrumbilla—

1. Inspected 28/4/11; flow, 1,206,000 g. p. d. (calculated from jet); static head, 201 ft. to 226 ft.; bore surrounded by a lake about a mile long and up to 5 ft. deep; outlet about 2.5 ft. above W.L.; water is 3 ft. deep at bore; slight leakage outside casing, which increased with pressure; casing used, 102 ft. of 10-in., 271 ft. of 8-in., and 1,554 ft. of 6-in.
2. Reputed flow after completion, 2,600,000 g. p. d.; temp., 124° F. Inspected 3/5/11; flow, 1,010,000 g. p. d.; static head, 213 ft. to 227 ft.; temp., 112° F.; 6-in. casing rusted above iron clamps; duration of static test, 70 minutes; used for wool-scouring and supplies quarters besides bore drains.
3. Estimated flow after completion, 3,000,000 g. p. d. Inspected 25/4/11; flow, 1,305,000 g. p. d.; static head, 217 ft. to 237 ft.; temp., 120° F.; outlet, 6 ft. above ground; duration of static test, 12 hours 8 minutes; 6-in. casing seriously corroded at top of wooden clamps.

Clover Downs—

1. Formerly Burrumbilla No. 4 bore; estimated flow after completion=2,170,000 g. p. d. Inspected 1/5/11; flow, 1,155,500 g. p. d.; static head, 241 ft. to 279 ft.; temp., 116.7° F.; outlet, 2.5 ft. above ground; valve casing worn away by sand blast; duration of static test, 11 hours 16 minutes. Reinspected 14/3/15; no gaugings made; flow still controlled to about one-third of its full flow.
2. Original flow, 58 in. over 6-in. casing; salt water at 90 ft., rose to 26 ft.; first flow of about 30,000 g. p. d.; at 700 ft., cased off; other flows at 1,560 ft., 1,194 ft., and 1,900 ft.; bore lined with 499 ft. of 8-in. and 1,916 ft. of 6-in. casing; see Lic. 225. Inspected 13/3/15; flow, 1,371,800 g. p. d.; no static test; some flow between 8-in. and 6-in. casing, which increases immediately on partial closure of the 6-in. valve.

218. Burrumbilla Lease—

1. No boring records; full depth not known; original reputed flow, 900,000 g. p. d.; bore lined with 6-in. casing. Inspected 20/10/15; flow, 162,000 g. p. d.; temp., 124° F.; casing sound below surface; water has a strong taste of soda.
2. Salt water at 95 ft.; fresh water at about 500 ft., rose to 130 ft.; small flow at 2,160 ft.; good flow at 2,342 ft. and 2,482 ft.; total flow, 10 in. over casing; bottom in grey shale; bore lined with 403 ft. of 8-in. and 2,628 ft. of 6-in. casing; see Lic. 254. Inspected 9/9/15; flow, 554,400 g. p. d. Reinspected 21/10/15; static head, 55 ft. to 57.4 ft.; temp., 137° F.; a little gas in flow; water tastes slightly of soda. Reinspected in July, 1916; flow, 540,000 g. p. d.; temp., 137° F.

219. Byrimine Lease—

1. Met with two soakages above 750 ft.; no other particulars available; original estimated flow, (?) 50,000 g. p. d.; reported flow in 1907=1,200 g. p. d. Inspected September, 1915; bore abandoned.
2. No boring records; originally a good flow, but diminished gradually, and ceased to flow in 1912; bore lined with 6-in. casing. Inspected 2/10/15; W.L. 9.5 ft. below surface (two years ago, 5 ft.).
3. No boring records; bore lined with 1,269 ft. of 6-in. casing. Inspected 30/9/15; flow, 182,500 g. p. d.; temp., 134° F.; excellent water, with a trace of gas; casing slightly corroded; some red oxide in bore drain.
4. No boring records; 6-in. casing visible. Inspected 25/9/15; flow, 17,500 g. p. d.; temp., 124° F.; fairly good drinking water, but deteriorates when stagnant; large quantities of odorless gas in flow. Reinspected 26/2/16; flow, 17,500 g. p. d.; temp., 124° F.
5. No boring records; reported flow in 1907=1,000 g. p. d. Inspected September, 1915; bore abandoned.
6. No boring records; 6-in. casing visible. Inspected 28/9/15; flow, 5,600 g. p. d.; temp., 119° F.; good drinking water; no trace of gas.

220. Caiwarra Lease—

1. Original flow, 10,080 g. p. d.; salt water at 15 ft., and fresh water at 135 ft.; flow of about 9,000 g. p. d. at about 700 ft., and a small increase at about 1,030 ft. in sandrock; very hard conglomerate with streaks of quartz and a kind of slate from 1,061 ft. to bottom of bore. Inspected 15/8/11; flow, 6,020 g. p. d.; static head, 12.5 ft. to 88.2 ft.; temp., 99° F.; outlet, 6 in. above surface; 8-in. and 5-in. casing projecting over surface; 5-in. casing very strongly magnetic; duration of static test, 29 hours; a large quantity of odorless gas is emitted with the flow, but not enough to affect the flow appreciably. Reinspected 15/4/13; measured depth, 1,832 ft.; no visible alteration of flow. Schist reported at bottom of bore.
2. Original reputed flow, 1,300,000 g. p. d., and at the beginning of 1907 the measured flow was stated to be 437,000 g. p. d. Inspected 1/9/11; flow, 153,200 g. p. d.; static head, 21.5 ft. to 42 ft.; temp., 99.75° F.; stated that bedrock was met with; 7-in. and 5-in. casing projecting over ground; outlet, 2.5 ft. above ground; a flow estimated at 500 g. p. d. comes up between the 7-in. and 5-in. casings, but did not increase during the static test lasting 22 hours; water used for irrigating wheat (about 10 acres) for three seasons. Reinspected 7/4/13; measured depth, 702 ft.; flow, practically same as in table.
3. Inspected 29/9/11; flow, 1,500 g. p. d.; static head, 4 ft.; temp., 85.5° F.; cased with 8-in. and 6-in. casing; stated that a flow of 3,000 g. p. d. was struck at about 650 ft., and that bedrock was met with near bottom of bore; a few minute odorless gas bubbles are present in flow; water brackish.

Togwarro Well—Inspected 1/4/12; depth, not known; struck granite at 25 ft.; water bad, not used.

Scrub Yards Well—Probable soakage from surrounding dry salt lake beds. Inspected 30/8/12; water salt; abandoned.

New Well—Improved by 24,000 G.I.C. tank and 100 ft. of troughing. Inspected 14/9/12; water good.

Mooring, or Titheroo—Inspected 21/3/12; flow, 67,900 g. p. d.; static head, 139 ft. to 238 ft.; temp., 104° F.; duration of static test, 2 hours 30 minutes; grade of supply only about 280 daily gallons per foot; bore terminated in about 200 ft. of quartz-schists; slight amount of gas present.

221. Caithness (now owned by Afton Downs Station)—

1. Original estimated flow, 150,000 g. p. d.; supply at 940 ft., rose 30 ft., and at 1,876 ft. to 7 ft. below surface; flow at 2,050 ft. to 2,250 ft.; bore lined to about 2,050 ft. with 6-in. casing. Inspected 26/6/12; flow less than 100,000 g. p. d.; temp., 118° F.; 6-in. casing in fairly good condition; a considerable quantity of non-inflammable gas is evolved. Reinspected 25/5/14; flow, 44,700 g. p. d.; static head, about 2 ft.; temp., 117.5° F.; outlet was raised 4 in. to measure flow.
2. Estimated flow after deepening, 165,000 g. p. d.; no other data obtainable. Inspected 18/6/12; flow estimated at 100,000 to 150,000 g. p. d.; temp., 118.5° F.; 6-in. casing at surface not seriously corroded; incrustation on bore head.
3. Original estimated flow, 185,000 g. p. d.; no other data obtained. Inspected 20/6/12; flow about 100,000 g. p. d.; temp., 117° F.; outlet raised 4.5 ft. above surface by an embankment about 50 yards in length; casing not visible; water not very corrosive but hard; some gas in flow.
4. Flow measured by owner two months after completion = 129,000 g. p. d.; static head, over 25 ft.; original static head, over 25 ft.; water at 1,087 ft. rose to 60 ft., 1,500 ft. to 50 ft., at 2,245 ft. and 2,296 ft. more water; flow at 2,330 ft.; upper supplies cased off; bottom in 50 ft. of hard red sandrock, no water; bore lined with 65 ft. of 8-in. casing; 1,611 ft. of 6-in. casing (bottom at 2,011 ft.), and 2,335 ft. of 5-in. casing. Inspected 20/6/12; no gaugings made; temp., 123° F.; casing not corroded to any extent, but the inside is coated with a dense brown or black sub-oxide, and the deposits in the bore drain consist of a fine red rust.
5. Water at 1,200 ft. rose to 115 ft.; gradual increase to 1,265 ft.; W.L. on completion at 96 ft.; lined with 1,192 ft. of 6-in. casing.

222. Caledonia Lease—

1. Original flow, 80,000 g. p. d. Inspected 25/5/97; flow, 50,570 g. p. d.; static head, 29 ft. to 38 ft.; temp., 99° F. Reinspected 10/11/13; flow, 22,000 g. p. d.; temp., 98.5° F.; cased with 3-in. casing, which is seriously corroded above surface.
- 2A. Casing broken; bore abandoned; bores 2A and 2a 10 ft. apart.
- 2B. Original estimated flow, 185,000 g. p. d.; temp., 100° F. Inspected 24/10/97; work nearing completion. Reinspected 28/10/13; no gaugings made; temp., 101° F.; 4 in. visible casing at surface nearly eaten away; very little incrustation on bore head; water issuing outside casing.
3. Original W.L. at 4 ft. Inspected 15/11/13; W.L. 33 ft. below surface; 5-in. casing at surface; stated that steam-pump sucked air at 60 ft.
4. Original W.L. at 16 ft. and in August, 1911 = 28 ft. below surface; cased with 6-in., 5-in., and 4-in. casing. Inspected 13/11/13; W.L. 32 ft. below surface.
5. Original W.L., not known; reported W.L. in 1907 = 25 ft. below surface.
6. Original flow, not known; estimated flow in 1907 = 270,000 g. p. d. Inspected 12/11/13; flow and pressure not gauged; bore site in creek bed; slight leak between 6-in. and 5-in. casing; casing corroded on top.
7. Flow of about 40,000 g. p. d. at 805 ft. main flow at bottom; total, 2½ in. over 6-in. casing; bottom in sand rock; lined with 178 ft. of 8-in. and 811 ft. of 6-in. casing; see Lic. 266.

223. Cambridge Downs Lease—

Stated that during 1899 old bores have been deepened to an aggregate of 1,600 ft.

1. Original estimated flow, 635,000 g. p. d.; temp., 98° F.; lined with 45 ft. of 8-in. and 250 ft. of 6-in. casing. Inspected 2/2/97; flow, 314,500 g. p. d.; static head, about 127 ft.; temp., 99° F.; sandstone not pierced. Reinspected, 14/10/11; no gaugings made; water non-corrosive.
2. Original estimated flow, 365,000 g. p. d.; temp., 93° F.; bore lined with 56 ft. of 8-in. and 200 ft. of 4-in. casing; probably deepened later on. Inspected 3/11/11; estimated flow, 590,000 g. p. d.; temp., 93° F.; 8-in. casing is cut off at surface level; it is badly corroded, but yet intact.
3. Original depth 23/5/93 = 616 ft.; and flow, 210,000 g. p. d.; lined with 30 ft. of 8-in. and 132 ft. of 6-in. casing. Inspected 1/2/97; flow, 153,350 g. p. d.; static head, 101 ft. to 117 ft.; temp., 98° F.; bottom in sandstone. Reinspected 23/6/13; flow, 424,000 g. p. d.; temp., 102° F.; bore deepened, date not known; casing completely corroded away at surface; oxide in bore drains.

4. Original estimated flow, 545,000 g. p. d.; temp., 98° F.; lined with 40 ft. of 8-in. and 256 ft. of 6-in. casing. Inspected 13/2/97; flow, 250,900 g. p. d.; static head, 39 ft. to 116 ft.; temp., 97° F.; bottom in sandstone. Reinspected 28/10/11; flow, small; temp., 97° F.; water non-corrosive; green aquatic weed inside casing.
5. Estimated flow in February, 1907 = 280,000 g. p. d.; bottom in sandstone. Inspected 19/10/11; flow, small; temp., 97° F.; water non-corrosive.
6. Original estimated flow, 185,000 g. p. d.; bottom in sandstone. Inspected 2/11/11; flow, small; temp., 95° F.; casing completely corroded away; water issues from borehole in rock formation.
7. Original estimated flow, 1,300,000 g. p. d.; lined with 533 ft. of 6-in. casing. Inspected 17/2/97; flow, 856,000 g. p. d.; temp., 103° F.; bottom in sandstone. Reinspected 1/7/13; flow, 297,700 g. p. d.; static head, 74 ft. to 81 ft.; temp., 95° F.; water non-corrosive, and contains much soda, which effloresces along the sides of drains.
8. Original estimated flow, 365,000 g. p. d.; bore lined with 492 ft. of 6-in. casing. Inspected 16/2/97; flow, 242,200 g. p. d.; static head, 111 ft. to 147 ft.; temp., 103° F.; bottom in sandstone. Reinspected 17/7/13; flow, 28,800 g. p. d.; static head, 16.9 ft. to 18.5 ft.; temp., 101.5° F.; casing sound and uncorroded; no gas in flow. Re-inspected 15/12/15; flow, 22,800 g. p. d.; static head, 9.5 ft. to 13 ft.; temp., 101.5° F.; no corrosion; water very good.
9. Inspected 18/2/97; flow, 421,000 g. p. d.; static head, 143 ft. to 149 ft.; temp., 103° F.; bottom in sandstone. Reinspected 28/6/13; flow, 137,600 g. p. d.; static head, 23.3 ft. to 24.4 ft.; temp., 102° F.; casing in perfect condition at surface; very little gas present.
10. Original estimated flow, 850,000 g. p. d.; bore lined with 276 ft. of 6-in. and 74 ft. of 5-in. casing; bottom at 560 ft. Inspected 4/11/11; flow, not gauged; casing completely corroded away at surface; water very unpleasant to taste.
11. Original estimated flow, 720,000 g. p. d.; lined with 375 ft. of 6-in. casing and 57 ft. of 5-in. casing; bottom at 480 ft. Inspected 3/10/11; flow, not gauged; temp., 97.5° F.; casing completely corroded at surface; water issues from a cavity formed in solid rock over borehole, which is filled in by sand and debris to a depth of about 5 ft.
12. Original flow not known. Inspected 25/10/11; temp., 101° F.; no casing visible at surface; bore surrounded by a huge bog, 30 to 50 yards in diameter, which is overgrown by bulrushes; water precipitates iron on standing.
13. Original flow not known. Inspected 11/7/13; flow, 234,500 g. p. d.; static head, 58 ft. to 62 ft.; temp., 104° F. Reinspected 27/8/13; flow, 218,000 g. p. d.; temp., 104° F.; water soft and non-corrosive; no free CO₂; slight alkaline reaction; no gas present.
14. Original flow not known. Inspected 13/10/11; 6-in. casing some inches below W.L. in pool, it is corroded to a very thin shell and is standing considerably out of plumb in a cavity 6 ft. deep. Reinspected 24/9/13; flow, 410,700 g. p. d.; temp., 103° F.; casing now slightly more corroded.
15. Inspected 26/5/13; bore determined in red marl; casing withdrawn; abandoned.
16. Original flow not known. Inspected 26/5/13; total flow, 605,800 g. p. d.; leak between casings 155,000 g. p. d. Reinspected 8/7/14; flow, 535,400 g. p. d.; temp., 98° F.; former outlet over 6-in. casing, 3.5 ft. higher. To reduce the leak between the 8-in. and 6-in. casing, the 6-in. liner was lowered about 3 ft., with the result of stopping most of the leak for a time, but the volume has now again increased to 119,000 g. p. d. The water is evidently corrosive and the flow is slightly effervescent. Top of 8-in. casing badly eaten, partly due to abrasion by small stones brought up in the flow.
17. Original flow not known; for strata, &c., see Lic. 130. Inspected in May, 1913; flow, 772,500 g. p. d. Reinspected 7/7/14; flow, 701,800 g. p. d.; static head, 74 to 82 ft.; temp., 106° F.; outlet lowered about 1 ft. to previous outlet; water slightly effervescent and evidently corrosive; leak of about 2,000 g. p. d. outside casing and borehead.
18. Original flow not known. Inspected 16/4/13; flow, from 6-in. casing 777,000 g. p. d.; conditions for gauging unfavourable; large leak between casings. Reinspected 10/7/14; flow, 1,045,000 g. p. d.; temp., 96.5° F.; flow from 6 in. bend 793,000 g. p. d., a length of casing previously attached to bend has been removed; flow between 6-in. and 8-in. casing, 252,000 g. p. d.; top of 8-in. casing badly eaten, which is partly due to abrasion caused by sand and small stones carried upward by the flow. Water contains a small amount of odourless gas, and there is red oxide in the bore drains.
19. Small flow at 125-ft. and at 342-ft., main flow at 520 ft. to 670 ft.; total flow, 123,500 g. p. d.; bottom in pipe-clay; bore lined with 17 ft. of 10 in., 78 ft. of 8 in., and 342 ft. of 6-in. casing; see Lic. 131.

20. Main flow at 627 ft., increased at 800 ft.; total measured flow, 607,200 g. p. d.; bottom in 25 ft. of red marl; bore lined with 204 ft. of 8-in. and 627 ft. of 6-in. casing; see Lic. 295.
21. Waterbed at 540 ft. to 630 ft.; no more water below this; flow, 68,000 g. p. d.; flow after lowering outlet by 2 ft. 163,500 g. p. d., and after fixing stop valve, 59,060 g. p. d.; bottom in red marl; bore lined with 204 ft. of 8-in. and 1,051 ft. of 6-in. casing; see Lic. 294.
- 224. Cambridge Downs Resumption—**
Alma Downs—Original reputed flow, 2,000,000 g. p. d. Inspected 17/7/13; flow, 59,500 g. p. d.; temp., 105° F.; 6-in. casing completely corroded away at surface; about 20 ft. of 5-in. casing was thrust into the old 6-in. casing, but some of the flow issues outside of it; some gas present in flow.
- Harrowgate—**
 1. Original flow not known. Inspected 7/7/13; flow, 186,550 g. p. d.; casing completely corroded away at surface; stated that it was suspended on clamps and remained intact for 5 or 6 years; red oxide precipitated in bore drains; considerable quantity of gas in flow. Reinspected 29/8/14; flow, 156,600 g. p. d.; temp., 106° F.; conditions same as on previous inspection; numerous large bubbles of gas rise with water; $\text{CO}_2 = 6.3$ gr. p. g.; casing lasted in serviceable condition for 4 or 5 years.
2. Original estimated flow, 1,200,000 g. p. d. Inspected 8/7/13; flow, 552,000 g. p. d.; no serious corrosion; flow partly controlled, leak of about 5,000 g. p. d. outside casing; a little gas in flow. Reinspected 29/8/14; flow, 546,000 g. p. d.; temp., 107° F.; outlet previously 1 ft. higher and nearly half of the flow issues now outside of the 6-in. casing and increased largely by slightly raising the outlet; water apparently somewhat corrosive; $\text{CO}_2 = 5.25$ gr. p. g. at a temperature 105° F.; other gases present.
- Runnymede—**
 1. Original estimated flow, 720,000 g. p. d. Inspected 15/5/13; flow, 240,000 g. p. d.; temp., 104° F.; water non-corrosive; first supply only tapped; said that some tools are lost in bore.
2. Original estimated flow, 455,000 g. p. d. Inspected 12/5/13; flow, 309,600 g. p. d.; temp., 100.5° F.; 6-in. casing somewhat corroded but sound; very little gas in flow.
- Gracedale, formerly called Glenisla—**Original estimated flow, 1,190,000 g. p. d.; 13 miles of drains and 7 miles of channels made. Inspected June, 1913; flow, 346,500 g. p. d.
- Artesian Downs—**Soak of salt water at 190 ft. and of fresh water at 400 ft.; flow at 748, 820, 992, 1,045, and 1,138 ft.; total flow, 21 in. over 6-in. casing; bottom in sandstone; bore lined with 251 ft. of 8-in. and 748 ft. of 6-in. casing; see Lic. 216. Inspected 14/12/15; flow, 713,900 g. p. d.; temp., 105.5° F.; insignificant leak between 8-in. and 6-in. casings; water very good, effervesces slightly; CO_2 test=2.60 gr. p. g.; practically no corrosion to date.
- 225. Cameron Downs Lease—**
 1. Inspected 11/4/14; W.L., 23 ft., below surface; pumped from 36 ft. below surface; 6-in. casing unscrewed at 250 ft. to admit a large pump.
2. Inspected 28/4/14; W.L., 23 ft. below surface; bit lost in bore.
3. Small flow at completion, but diminished gradually and stopped flowing about May, 1913. Inspected 29/5/14; W.L., 2 ft. below surface; small flow from bore while pump is working; casing parted at 2,000 ft. and some tools lost in bore; bore drain very red with apparent ferric oxide. Stated that when first being pumped the water discharged was black for over a fortnight, but cleared itself and remained so afterwards.
- Ensay—**Original estimated flow, 275,000 g. p. d.; see Lic. 99. Inspected 7/4/14; flow, 119,400 g. p. d.; temp., 115° F. (taken 19 ft. from bore); water hard and tastes of iron, it has also a slight odour of sulphuretted hydrogen; bore drains are red with ferric oxide. Reinspected 14/1/15; flow, 128,800 g. p. d.; temp., 116.7° F.; 6-in. casing subsided 0.14 ft.; outlet now slightly lowered; small amount of (?) oil floating on top of water.
- Zara Selection—**
 1. Inspected 24/4/14; W.L., 70 ft. below surface (measured two years ago); pumped from 156 ft. Stated that supply struck at 887 ft. trickled over casing for three months, but could be lowered by pumping to 200 ft.; bore deepened, second supply at 1,013 ft.
2. For strata, etc., see Lic. 31. Inspected 25/4/14; W.L., about 80 ft. below surface; water pumped from 128 ft.; first water struck at 987 ft.
3. Original W.L. 40 ft. below surface; see Permit 12. Inspected 15/4/14; W.L., about 50 ft. below surface; pumped from 114 ft.; water struck at 966 ft., 1,071 ft., and 1,134 ft.
4. No boring records; lined with 83 ft. of 8-in. and 1,090 ft. of 6-in. casing.
- 226. Camisla—**Data from newspaper reports.
- 227. Camoola Group West—**
Westbury—Original estimated flow, 410,000 g. p. d. Inspected 21/11/12; flow, 238,000 g. p. d.; temp., 163° F.; leak of about 15,000 g. p. d. outside casing; tools lost in bore; very heavy deposit of iron oxide in bore drain; large quantities of gas in main flow and outside of casing. Reinspected 27/5/16; bore lined with 8-in. and 6-in. casing; flow, 184,300 g. p. d.; temp., 163° F.; a flow of 7,900 g. p. d. is issuing outside the casing and contains some gas which burns with a bright yellow flame; water very good.
- Dalmore—**Estimated flow in 1907=230,000 g. p. d. Inspected 2/12/12; flow, 53,000 g. p. d.; temp., 139° F.; outlet at surface; large quantities of non-inflammable gas in flow. Reinspected 21/4/16; flow, 37,000 g. p. d.; temp., 139° F.; no gas in flow.
- Yanburra—**Estimated flow in 1907=185,000 g. p. d.; temp., 148° F. Inspected 23/11/12; flow, 61,000 g. p. d.; temp., 147° F.; horizontal outlets badly corroded where exposed to air and water; large quantities of non-inflammable gas in flow. Reinspected 30/6/16; flow, 60,200 g. p. d.; temp., 147° F.; said to have struck water at 1,708 ft., and that lining consists of 2,000 ft. of 6-in. casing; water very good.
- Bexley—**Estimated flow in 1907=50,000 g. p. d. Inspected 29/11/12; flow, 33,700 g. p. d.; temp., 160°; bore head corroded; outlet, 3.4 ft. above ground; tools lost in bore; large volume of non-inflammable gas escaping. Reinspected 20/6/14; flow, 40,000 g. p. d.; temp., 159°; outlet lowered; leak of 500 g. p. d. outside casing.
- Bexley Well—**Sunk about 300 yards from Bexley Spring. Inspected 30/10/12; W.L., 34 ft. below surface; water is of a bluish cloudy colour.
- Talleyrand—**
 1. Bore lined with 8-in. casing; abandoned, water too salty for stock.
- 1A. Bore lined with 6-in. casing. Inspected 19/4/16; W.L., at 105 ft.; quality of water fair; bore sunk close to old abandoned bore.
- 2A. Woolshed—Bore lined with 286 ft. of 6-in. casing; deepened from 556 ft. in 1915 (no data). Inspected 18/4/16; W.L., at 106 ft.; water brackish.
- 2 and 3. Lined to 300 ft. with 6-in. casing; water suitable for stock.
4. Lined with 150 ft. of 6-in. casing, water suitable for stock.
5. Original depth, 350 ft.; result of deepening not known; bore lined with 150 ft. of 6-in. casing; sheep only will drink this water.
- 228. Camoola Group, East—**
Summer Hill—Original estimated flow 365,000 g. p. d.; temp., 130° F. Inspected 12/11/12; flow, 104,000 g. p. d.; temp., 129° F.; outlet 7 ft. above ground; cased with 2 lengths of 8-in. and to bottom with 6-in. casing; owner did not permit pressure test to be taken. Reinspected 17/7/96; flow, 94,900 g. p. d.; temp., 129° F.; water very good.
- Marchmond Selection—**
 1. Former flow, 463,000 g. p. d.; temp., 148° F. Inspected 14/11/12; flow, 190,000 g. p. d.; temp., 145° F.; leak of 10,000 g. p. d. outside casing; large quantity of gas present (non-inflammable), of which a large amount rises outside the casing. The bore drains are heavily coated with red iron oxide; horizontal outlets exposed to air and water are rusted right through. Reinspected 4/7/16; flow, 125,200 g. p. d.; temp., 144° F.; leak from a 2-in. hole in 6-in. casing at surface; drains red with oxide; water very good.
2. Brackish water at 1,906 ft. rose to within 60 ft.; flow of fresh water at 2,250, 2,460, and 2,661 ft.; total flow, 310,000 g. p. d.; bottom in sandstone; bore lined with 500 ft. of 8-in. and 2,430 ft. of 6-in. casing; see Lic. 160. Inspected 8/7/16; flow, 251,300 g. p. d.; temp., 143° F.; water very good and soft. Reinspected 12/2/17; flow, 250,000 g. p. d.; static head, 46.7 ft. to 50.4 ft.; iron oxide already thick on bore fittings.
- Fairfield Selection—**
 1. Former estimated flow, 330,000 g. p. d. Inspected 30/4/12; flow, 99,500 g. p. d.; temp., 128° F.; depth reported as 2,600 ft.; cased to 1,100 ft. with 5-in. casing; water has a smell of sulphuretted hydrogen and appears to be corrosive when in contact with air. Reinspected 24/6/16; flow, 99,500 g. p. d.; temp., 128° F.; water good; drains slightly red with oxide.
2. Not visited; water suitable for stock.
- Rand—**Estimated flow in 1907=435,000 g. p. d.; static head, 95 ft.; lined to first waterbed with 6-in. casing. Inspected 1/5/12; flow, 229,000 g. p. d.; temp., 148° F. Stated that when in 1908 the flow was throttled to drive a dynamo and shearing machines, the bore ceased flowing a few days after, but recovered again four or five hours after the connections had been cut. Hydraulic ram now installed for the house supply; a quantity of red deposit in bore drains. Reinspected 12/7/16; flow, 270,000 g. p. d.; temp., 148.5 F.; water very good; intermittent bubbles of gas rising.

Camoola Park—Former estimated flow, 300,000 g. p. d. Inspected 16/11/12; flow, 63,500 g. p. d.; temp., 142° F.; tools left at bottom of bore; some deposit of red iron oxide in bore drain; large quantity of non-inflammable gas bubbles are issuing continuously; bore lined with 5-in. casing. Reinspected 13/7/16; flow, 65,800 g. p. d.; temp., 142° F.; water very good; drains are red with oxide.

229. Canobie Lease—

1. Waterbed at 895 to 965 ft., consisting of rotten granite and a small vein of sandrock, bottom in 40 ft. of rotten granite; estimated flow, 230,000 g. p. d.; lined to sandrock with 6 in. casing. Inspected 20/10/15; flow, 126,000 g. p. d.; temp., 140° F.; good drinking water; a little gas in flow. Reinspected 30/6/16; flow, 124,000 g. p. d.; temp., 140° F.
2. Waterbed at 1,393 ft.; original estimated flow, 555,000 g. p. d.; lined to sandrock with 6-in. casing. Inspected 25/10/15; flow, 217,600 g. p. d.; temp., 140° F.; good drinking water; a little gas in flow.
3. First water at 1,392 ft.; bottom in granite; lined with about 1,492 ft. of 6-in. casing; original flow, about 160,000 g. p. d. Inspected 11/11/15; flow, 107,600 g. p. d.; temp., 137° F.; good drinking water; a little gas in flow; bore annually submerged by floods. Reinspected 29/6/16; flow, 107,600 g. p. d.; temp., 137° F.
4. First water at 1,570 ft. (flowing); total estimated original flow, 230,000 g. p. d.; lined with 6-in. casing. Inspected 24/11/15; flow, 154,000 g. p. d.; temp., 136.5° F.; excellent drinking water, a trace of gas in flow.
5. No boring records; originally a small flow; bore lined with 6-in. casing. Inspected 19/11/15; flow, 21,700 g. p. d.; temp., 142.5° F.; pump at about 160 ft.; 5-in. pump casing quite sound; good drinking water, some gas present.
6. Water at 1,550 ft. rose to within 25 ft.; flow at 1,650 ft. and near bottom; total estimated flow, 165,000 g. p. d.; bore lined to sandrock with 6-in. casing. Inspected 15/11/15; flow, 99,500 g. p. d.; temp., 147.5° F.; good drinking water; a large quantity of gas present.
7. Inspected 1/7/16; bore in progress. Main flow 1½ in. over casing (near bottom); bottom in 2 ft. of granite; lined with 299 ft. of 8-in. and 1,156 ft. of 6-in. casing; estimated flow on completion, 90,000 g. p. d.; see Lic. 315.
8. Some brackish water at 610 ft. rose to 210 ft.; flow below 1,100 ft. in 30 ft. of sandstone; bottom in 2 ft. of rotten granite; lined with 301 ft. of 8-in. and 1,227 ft. of 6-in. casing; see Lic. 313.

Wurung—Canobie Lease Por. B.

1. Hazel Creek—Met with a little water at 388 ft. (very salty); flow of about 1,500 g. p. d. at 422 ft.; increased to 3,000 g. p. d. at 458 ft.; in 21 ft. of grey sandrock; bottom in 9 ft. of hard (?) primary rock; bore lined with 401 ft. of 8-in. casing; see Lic. 164; flow ceased gradually during 1915. Inspected 4/12/15; W.L., at surface; water slightly brackish.
2. Bushy Creek—Brackish soak at 163 ft. rose to 150 ft.; supply at 1,825 ft. rose to 70 ft. and at 1,870 ft. to 40 ft.; a small supply at 2,280 ft.; W.L. on completion 25.5 ft. below surface; bottom in shale and quartz; lined with 17 ft. of 10-in., 405 ft. of 8-in. and 2,241 ft. of 6-in. casing; see Lic. 165.
3. See Lic. 172.

230. Carandotta—Head Station—Salt water on top cased off.

231. Cashmere Group—

Weallah—Water at 148 ft. rose to within 115 ft.; flow at 1,910 ft., 2,005 ft., 2,230 ft., 2,303 ft., 2,505 ft., and at 2,663 ft. to 2,729 ft.; total flow, 29 in. over 6-in. casing; bottom in clay and shale. Inspected 11/4/14; flow, 753,200 g. p. d.; static head, 217 to 235 ft.; temp., 129° F.; water good.

Whipple's—Original flow, 4 ft. over 6-in. casing; lined with 10 in., 8 in., and 6 in. casings. Inspected 7/4/14; flow, 753,200 g. p. d.; static head, 152 ft. to 176.5 ft.; temp., 123° F.; small leak outside casings; water good.

Kirby's—For strata, etc., see Lic. 106. Inspected 12/4/14; flow, 1,079,950 g. p. d.; static head, 229 ft. to 238 ft.; temp., 128° F.; water good.

232. Cassilis—

1. Cased to sandrock with 6-in. casing; original flow about 765,000 g. p. d.; reported flow in December, 1901, about 390,000 g. p. d. Stated that flow failed in 1901 when, after cleaning the bore, the flow returned, but diminished gradually and ceased to flow in January, 1911. Inspected 14/11/13; flow, 20,800 g. p. d. from 7 ft. below surface; temp., 124° F.
2. Cased at first to sandrock only with 6-in. casing; flow of about 1,000,000 g. p. d.; this flow diminished after a time to about 570,000 g. p. d.; after removing a bridging of 30 ft., and inserting 5-in. slotted casing below the 6-in. casing, the yield in December, 1901, was about 723,400 g. p. d.

3. Cased with 6-in. casing; flowing originally at the rate of about 210,000 g. p. d.; ceased to flow in 1901; W.L. in December, 1901, 6 ft. below the surface. Inspected 16/11/13; W.L., 65 ft. below surface; water good; string of tools lost in bore.

4. Supply at 1,594 ft. to 1,642 ft. rose to surface; bottom evidently in water-bearing rock; lined with 255 ft. of 8-in. and 1,412 ft. of 6-in. casing, resting on bottom; W.L. could be lowered to 75 ft. below surface by sand pump; see Lic. 348.

Glenlyon—Flows at 2,110 ft., 2,610 ft., 2,850 ft., and bottom; 8-in. casing withdrawn; cased with 6-in. casing to first sandrock at 2,076 ft., then with 900 ft. of 5-in. slotted casing to bottom; flow before inserting 5-in. casing was about 820,000 g. p. d.; measured flow (by owner) after completion 790,000 g. p. d.; estimated flow in 1907=490,000 g. p. d.; temp., 142° F. Inspected 26/4/14; estimated flow, 330,000 g. p. d.; temp., 142° F.

233. Champion Blocks—

1. Former estimated flow=25,000 g. p. d. Inspected July, 1911; flow, 6,000 g. p. d.
2. Former estimated flow=340,000 g. p. d. Inspected 23/7/11; flow, 157,600 g. p. d.
3. Stated that W.L. stood originally 9 ft. below surface; inspected 17/7/11; W.L., 135 ft. below surface.

Henly Park—

1. Supply at 100 ft. and at 258 ft. rose to 48 ft.; bore lined with 300 ft. of 5-in. casing; bottom in shale. Inspected 10/8/11; water excellent.

2. Water at 300 ft. rose to 220 ft.; bore lined with 17 ft. of 6-in. and 408 ft. of 5-in. casing; see Permit 32. Inspected 1/8/15; W.L., 220 ft. below surface; water not used; intended to deepen this bore.

East Lynne or Harden—

1. Water at 522 ft. rose to 18 ft.; bore lined with 36 ft. of 8-in., 131 ft. of 6-in., and 522 ft. of 5-in. casing; bottom in shale; see Lic. 21.

2. Supply at 581 ft. rose to 281 ft.; flow of about 50,000 g. p. d. at 1,035 ft.; bore lined with 80 ft. of 6-in. and 800 ft. of 5-in. casing. See Permit 30.

Kingloc—Supply at 385 ft. rose to 349 ft.; bore lined with 389 ft. of 6-in. casing. Inspected 31/7/15; pumped as yet by boring plant.

Sydenham—

1. Water at 216 ft. to 230 ft. rose to 140 ft.; lined with 300 ft. of 5-in. casing. Inspected 17/8/11; water good.

2. Water at 68 ft. rose to within 38 ft.; lined with 80 ft. of 6 in. casing. Inspected 17/8/11; water slightly salt.

Alice Peut—

1. W.L. at 228 ft. below surface; lined to bottom with 6-in. casing.

2. W.L. at 212 ft. below surface; lined to bottom with 6-in. casing.

3. W.L. at 215 ft. below surface; lined to bottom with 6-in. casing.

Mary Vale Springs—Some water at 169 ft.; supply at 370 ft.; pumped down by windmill to 175 ft.; bore 52 ft. apart of Anthony No. 2 bore; lined with 369 ft. of 6-in. casing.

Anthony No. 1—No data.

Anthony No. 2—Supply at 160 ft. rose to 140 ft. and at 300 ft. to 80 ft. below surface; could not lower water below 120 ft. by sand pump; lined with 350 ft. of 6-in. casing; water not yet utilised.

234. Charleville District—

Meat Works—No boring records; visible casing 6 in. Inspected 16/11/98; estimated flow, 1,300,000 g. p. d.; static head, 82 ft. to 96.5 ft.; temp., 104° F.; water tastes better than that of Charleville town bore, and does not evolve gas when freshly drawn; reported flow in 1907=855,000 g. p. d.

Wallal—Original estimated flow=1,500,000 g. p. d.; first flow at 1,500 ft., second flow near bottom; minute bubbles of gas issuing; about 30 miles of bore drains; outlet 4 ft. above ground; inspected November, 1910; flow, 755,000 g. p. d.; static head, 48 ft. to 79 ft.; temp., 107.5° F.

Myendetta—Five flows met with; about 30 miles of bore drains; Pelton wheel employed, driving dynamo for electric light and heat, etc.; outlet 3.5 ft. above surface; flow throttled by borehead to an extent of 3.5 ft. Inspected November, 1910; flow, 933,300 g. p. d.; static head, 111 ft. to 115 ft.; temp., 118° F. Reinspected 29/9/15; flow, 785,000 g. p. d.; maximum static head, about 89 ft.; temp., 116° F.

Carter's Nos. 1 and 2—No boring records.

Wardilla—Water at 240 ft. rose to within 155 ft.; more water at 300 ft. and 425 ft.; flow at 1,366 ft., 1,392 ft., and 1,415 ft.; flow on 12/9/14=181,700 g. p. d.; bore lined with 410 ft. of 8-in. 1,366 ft. of 6-in., and 136 ft. of 5-in. casing; bottom in pipeclay; see Lic. 212. Inspected 5/11/15; flow, 86,000 g. p. d.; static head, 33 ft. to 43 ft.; temp., 106° F.; water very good.

Well Hill—

1. For strata, etc., see Permit 57.
2. For strata, etc., see Permit 65.

235. Charlotte Plains (Cunnamulla)—

1. Bore deepened from 1,550 ft.; driller, D. Davis (date not known); estimated flow then, 2,000,000 g. p. d.; temp., 118° F. Inspected 21/4/11; flow, 1,008,000 g. p. d.; estimated maximum static head, 198 ft.; temp., 116.5° F.; bore head leaking; outlet, 14.3 ft. above surface. Reinspected 22/5/14; flow, 980,000 g. p. d.; static head not taken.
2. Estimated flow after completion=3,000,000 g. p. d. Inspected 26/2/96; flow, 2,135,000 g. p. d.; temp., 117.5° F. Reinspected 19/4/11; flow, 1,062,000 g. p. d.; probable maximum static head, 223 ft.; temp., 116.2° F. Reinspected 20/5/14; flow, 1,085,000 g. p. d.; static head not taken; outlet, 5 ft. above original surface; ground washed away 6.5 ft. deep; 6-in. casing seriously corroded and bore-head leaking.

236. Charlotte Plains (Richmond)—

1. Original W.L., 18 ft. below surface. Inspected 5/2/12; W.L. 58.2 ft. below surface; water of fair quality.
2. First flow at 210 ft.=100,000 g. p. d., but ceased flowing after a time; bore deepened; flow then 230,000 g. p. d. Inspected 24/2/12; flow, a trickle only; water corrosive; no sign of casing visible.
3. Original W.L., 30 ft. below surface. Inspected 23/2/12; W.L. 41.2 ft. below surface; water corrosive.
4. Original flow after deepening, 275,000 g. p. d.; bore lined with 5-in. casing; two flows like No. 2 bore; bore casing in good condition after eighteen years. Inspected 4/2/12; stated that flow has remained practically constant; no gaugings made; temp. estimated.
5. Water level originally 20 ft.; in May, 1901=29 ft.; in 1907=45 ft. below surface. Inspected 23/1/12; W.L. 45 ft. below surface; pump at 40 ft.
6. Water level in 1907 reported 140 ft. below surface. Inspected 10/2/12; W.L. 150 ft. below surface; 4-in. casing visible; water of better quality than No. 9 bore.
7. Water level, after passing 276 ft., fell from 110 ft. to 145 ft., and rose again to 132 ft., when bore was filled up to 270 ft. Inspected 16/2/12; W.L. 133 ft. below surface; bore lined to 100 ft. with 8-in. casing.
8. Water not used; original W.L. at 383 ft.; reported W.L. in 1907=400 ft. below surface; bottomed in blue and red clay. Inspected 18/2/12; obstruction found in bore at 390 ft.; bore lined with 6-in. casing.
9. Original W.L. 152 ft. below surface. Inspected 10/2/12; W.L. 162 ft. below surface; bore lined to 300 ft. with 8-in. casing; pump at 170 ft.; water of rather hard quality.
10. Original water level at 116 ft.; small soak at 75 ft.; supply at 245 ft., and at 419 ft. it rose to 116 ft. below surface; bore lined to 204 ft. with 8-in. casing. Inspected 12/2/12; W.L. 122 ft. below surface data; pump at about 150 ft.; water has a peculiar sweetish taste.
11. Supply from 122 ft. (in green sand) rose to 45 ft., but fell to 200 ft. when drilling past 281 ft. to 289 ft.; the 45-ft. level was regained after filling the bore up to 160 ft.; bore lined with 160 ft. of 8-in. casing (perforated at 122 ft.). Inspected 13/2/12; W.L. 45 ft. below surface; grade of supply per foot about 2,800 g. p. d.; water has a peculiar sickly, sweet taste, and is used for stock only.
12. Soakage at 25 ft., and also at 240 ft., rose to 66 ft. below surface; supplies at 855 ft. and 926 ft. rose to 47 ft. and 17 ft., respectively; bottom in pipe clay; bore lined with 36 ft. of 8-in. and 863 ft. of 5-in. casing; pump placed at bottom of shaft (17 ft. deep). Inspected 27/2/12; W.L. 18 ft. below surface; water not used at present.
13. Brackish water at 60 ft., and fresh water at 210 ft.; flow at 667 ft. estimated at 400,000 g. p. d.; lined with 17 ft. of 10-in., 62 ft. of 8-in., and 667 ft. of 6-in. casing; see Lic. 125.

237. Charlton Lease—Met with salt water at 640 ft.; small flow at 724 ft. and main flow near bottom; lined with 82 ft. of 8-in. and 1,877 ft. of 6-in. casing; estimated flow, 1,745,000 g. p. d.; see Lic. 5.

238. Chatsworth—No reliable boring records.

239. Kalkie, Bundaberg District—A shaft to 76 ft., then a 10-in. boring; pumping test by air-lift system; pumped 15,200 g. p. d. into shaft from bottom of bore.

240. Claverton Lease—

1. Inspected 13/4/97; flow=1,554,000 g. p. d.; outlet 12 ft. above surface; maximum static head, 342 ft.; temp., 117° F. Reinspected 29/11/10; flow, 998,000 g. p. d.; temp., 117° F.; pressure could not be taken on account of water issuing outside of casing; stated that water came up gradually outside and will flood country around if valve is closed; bore only cased with 6-in. casing, larger casings probably withdrawn; bore supposed to be under tidal influence. Reinspected 20/6/14; flow, 942,000 g. p. d.; temp., 117° F.; outside leak effectually stopped by ramming the earth around the bore.

2. Inspected 15/4/97; estimated flow, 1,330,000 g. p. d.; pressure not taken; temp., 124° F. Reinspected 2/12/10; flow, 424,000 g. p. d.; static head, 107 ft. to 124 ft.; temp., 112° F.; outlet 6 ft. above surface. Stated that bore was never closed down; 6-in. casing only used; hollow stump of tree placed outside of casing below surface; gas bubbles noticeable outside casing. Reinspected 12/8/14; flow, 353,000 g. p. d.; static head not taken; leak of about 2,500 g. p. d. outside casing; new 5-in. valve attached; outlet now 8½ ft. above surface.

3. Inspected 23/4/97; estimated flow, 1,330,000 g. p. d.; pressure not taken; temp., 124° F. Reinspected 9/12/10; flow, 737,400 g. p. d.; static head, 132 ft. to 134 ft.; temp., 122° F.; outlet, 6 ft. above ground level; valve fixed to 8-in. casing; casing in good condition, but thickly covered by variegated fungus; valve very much corroded.

4. Original flow, 7.3 ft. over 6-in. casing. Inspected 8/12/10; flow, 1,303,000 g. p. d.; static head, 194 ft. to 215 ft.; temp., 122.2° F.; outlet, 6 ft. above surface; no 8-in. casing visible, probably withdrawn; leakage outside of casing=2,000 g. p. d., which increased to 5,000 g. p. d. during a short static test; gas bubble noticeable in pool, which also increased under pressure. Reinspected 26/6/14; the gaugings of the flow and partial pressure test practically agree with previous measurements; this is evidently due to the flow having been restricted to one-quarter of its normal flow; no visible change has been observed in the small outside leak. Reinspected 12/9/15; flow, 1,260,000 g. p. d. (not quite normal); temp., 120° F.

Yarramanbar—Former reported flow=1,330,000 g. p. d. Inspected 13/12/10; flow, 769,000 g. p. d.; static head, 107 ft. to 125.5 ft.; temp., 115.2° F.; outlet, 4 ft. above surface; casing supported by clamps resting on logs; no leakage detected during static test of 13 minutes. While flushing the bore, the bore fluctuated to about half its normal flow for about 10 seconds, after which the water became turbid for a short interval. Stated that the bore was turned off for a few hours after completion, when water came up a few yards from the bore, and about three months after the bore was again turned off for three days, and was then found to be quite tight.

Barbara—Inspected 13/12/10; flow, 740,000 g. p. d.; static head, 77 ft. to 119 ft.; temp., 117° F.; outlet, 3.5 ft. above surface; cased to bottom with 7-in. casing; three flowing supplies met with; quicksand near bottom of bore; no leakage outside casing during static test of 1½ hours; water has a slight odour when freshly drawn or confined, but no gas was perceptible. Reinspected 30/6/14; flow, 580,000 g. p. d.; no pressure test; full flow not restricted; casing in fair condition.

Airlie—Inspected 3/12/10; flow, 1,240,000 g. p. d. (probably 15,000 g. p. d. above normal); static head, 188 ft. to 219 ft.; temp., 116° F.; outlet, 3.25 ft. above surface; a ring is fixed between 8-in. and 6-in. casing; clamps of 6-in. casing resting on 8-in. casing; no leakage of water or gas noticed during static test of 40 minutes. Stated that a large quantity of driftsand was thrown up when main flow was struck, but did not cause much trouble. Reinspected 5/8/14; flow, 1,020,000 g. p. d.; no static pressure test; casing below valve now badly corroded.

Rosevale—Former estimated flow=1,500,000 g. p. d. Inspected 23/11/10; flow, 842,000 g. p. d.; maximum static head, 122 ft.; temp., 120.2° F.; outlet, 7.5 ft. above surface; 6-in. casing slightly rusted; owner did not permit the full pressure to be taken; a large amount of green fungus at the outlet; maximum static head of 122 ft. interpolated from dynamic curve. Reinspected 21/12/11; static test only taken=99 ft. to 119 ft.; duration of test, 20 minutes.

Bonna Vista—Original estimated flow, 1,750,000 g. p. d. Inspected 7/2/14; flow, 1,187,000 g. p. d.; maximum static head, 165 ft.; small quantities of gas present. Reinspected 7/8/14; flow, 1,169,000 g. p. d.; static head, 143 ft. to 161 ft.; temp., 115.5° F.; no gas noticeable; casing in good order.

241. Cleveland Town—Data from newspaper reports.

242. Clifton Lease—

1. Original jet over 6-in. casing=6 ft.; temp. (by owner), 118° F. Inspected 22/11/12; flow, 1,334,300 g. p. d.; maximum static head, 272 ft.; temp., 116° F.; flow measured under a head of 16 ft.; pelton wheel employed for power; 6-in. valve casing worn through by sand blast action. Stated that bore was occasionally closed for some hours without causing any outside leakage; controlled discharge a little more than half of full flow. Reinspected 3/4/15; flow, 1,391,100 g. p. d.; no static test, but readings on nozzle showed a fall of 28 ft. since previous gaugings.

2. Trust bore—Original estimated flow, 1,600,000 g. p. d. Inspected 27/11/12; flow, 1,214,200 g. p. d.; static head, 148 ft. to 175 ft.; temp., 126° F.; outlet, 2½ ft. above ground; jet over 6-in. valve 3 ft. 2 in. When bore was closed down for a few hours by the manager to attach headgear, a leak appeared between the 8-in. and 10-in. casing; this leak is estimated at 70,000

g. p. d. when the valve is open; it increased to 125,000 g. p. d. during static test of 5 hours. Reinspected 25/3/15; flow, 1,115,300 g. p. d.; partial static head after 30 minutes closure=114 ft.; temp., 126° F.; leak between casings apparently the same as on former inspection.

243. Clonagh Lease—

1. Supply from 800 to 850 ft.; rose to within 4 ft. of surface; at finish the bore had a flow of about 100,000 g. p. d.; stated to have met with primary rocks below 850 ft.; bore ceased to flow; date not-known; reported W.L. in 1907=18 ft. below surface. Inspected 15/10/15; W.L. at 30 ft.; water good; casing in fair condition.
2. No boring records; original flow, 26,000 g. p. d.; 6-in. casing visible. Inspected 15/10/15; flow, 5,400 g. p. d.; temp., about 124° F.; water good, with a trace of gas; casing in good condition.
3. Small flow at 1,111 ft., which increased to about 20,000 g. p. d. at 1,125 ft.; bottom in 182 ft. of slate; flow diminished gradually, and ceased to flow in 1915; bore lined with one length of 10-in. casing and 1,114 ft. of 6-in. casing. Inspected 22/10/15; W.L. 0.71 ft. below surface; water good, with no trace of gas; casing in good order.
4. Depth, 404 ft.; no other data.

Clonagh Resumption—Illistine—Flow at about 1.138 ft. in sandrock; bottom in 12 ft. of very hard rock (? primary); lined with 205 ft. of 8-in. and 1,145 ft. of 6-in. casing; see Lic. 286. Inspected 16/5/16; flow, 10,080 g. p. d.; static head, 19.5 ft.; temp., about 125° F.

Ouchy—In progress; see Lic. 312.

245. Cluny—Small soak of fresh water at 45 ft.; large supply of brackish water at 56 ft.; work suspended in June, 1913; see Lic. 16.

246. Clutha Lease—

1. Original reputed flow, 1,750,000 g. p. d.; bore lined with 6-in. casing; flow diminished greatly. Inspected 10/5/13; see remarks on No. 3 bore.
2. Original flow about 11 ft. over 6-in. casing; first flow at 1,050 ft.; then the flow increased at every few feet up to 1,400 ft.; bore originally lined with 200 ft. of 8-in. and 900 ft. of 6-in. casing. Inspected 23/7/13; flow, 1,297,000 g. p. d.; temp., 114.5° F. Stated that the casing at the surface lasted for five years; now there is no casing visible; a small quantity of gas in flow.
3. Original flow, 36 in. over 5-in. casing; lined with 900 ft. of 5-in. casing only. Inspected 10/5/13; flow, 437,300 g. p. d.; temp., 107° F.; casing at surface corroded, though yet sound; red oxide present, and a little gas in flow. This bore is only 2.75 chains apart from No. 1 bore; some time after its completion, bore No. 1 cleared itself of some obstruction, and the flow of No. 3 bore dropped from 36 in. to 18 in. over casing; both flows have since been observed to fluctuate considerably, the one diminishing while the other increased.

247. Clutha Resumption—

Nondah Downs—

1. Original jet about 7 ft. over 8-in. casing; cased to sandrock, with about 1,000 ft. of 8-in. casing only; claimed to be the deepest 8-in. bore in Queensland. Inspected 29/7/13; flow, 1,495,700 g. p. d.; temp., 115° F.; a little iron oxide noticeable; top of casing below W.L. in pool; jet of water over casing apparently much disturbed by gas.
2. Original estimated flow, 2,400,000 g. p. d.; no other particulars available. Inspected 2/8/13; flow, 993,000 g. p. d.; static head, 157 ft. to 166 ft.; temp., 113.5° F.; duration of static test, 1 hour 25 minutes; 6-in. casing at surface somewhat corroded but sound; some red oxide in bore drain; a little gas in flow.

Euraba—

1. Original estimated flow, 1,740,000 g. p. d. Inspected 19/10/12; flow, 729,500 g. p. d.; temp., (?) 97° F.; 6-in. casing at surface quite sound; no mineral deposit or gas observed.
2. Original flow, depth, &c., not known. Inspected 20/1/12; flow, 1,334,200 g. p. d.; temp., 106° F.; 6 in. casing projects 15 in. over ground level; no 8-in. casing visible; a considerable quantity of sand and shale is ejected by the bore; water slightly corrosive, and a slight odour of gas is perceptible. Practically the whole of this flow is absorbed by a swamp of about 800 acres in extent, which is thickly overgrown with bulrushes.

249. Comongin North—Information in table from newspaper.

250. Compton Downs—

1. Original depth, 780 ft.; volume of flow not known; estimated flow after deepening in 1896=365,000 g. p. d., but diminished, and was estimated at 125,000 g. p. d. in 1899; flow ultimately ceased; date not known; strata all sandstone below 600 ft.; first flow at 601 ft.; lined to 600 ft. with 5-in. casing. Inspected 15/1/12 and 4/4/13; no trace of bore site to be seen. Stated that bore water was very corrosive, and that the casing only lasted about three years.

1a. Sunk in place of No. 1 bore; ceased to flow after casing was corroded; bore then collapsed; no other data available.

1b. Original flow not known; estimated flow, 15/1/12=100,000 g. p. d.; 6-in. casing badly corroded; about 90 ft. of 5-in. casing were recently replaced, and are resting on the original 5 liner which formerly parted at that depth; bores Nos. 1, 1a, and 1b were sunk about 20 yards apart.

2. Original depth, 600 ft.; estimated flow, 100,000 g. p. d., but it almost ceased to flow before it was deepened in 1896; lined with 5-in. casing to about 550 ft.; estimated flow after deepening, 530,000 g. p. d. Inspected 26/2/12; estimated flow, 275,000 g. p. d.; temp., about 100° F.; water corrosive; no signs of any casing in basin formed by flow.

3. Original depth, 634 ft.; estimated flow, 175,000 g. p. d.; ceased to flow about June, 1897, and in January, 1899, the W.L. was 4 ft. below surface; temp., about 88° F.; cased with 5-in. casing to 550 ft.; bore deepened; no data available. Inspected 16/1/12; flow very small, not gauged; casing corroded away; water now flowing over an iron cylinder thrust into borehole to prevent the surface from falling in.

4. Original depth, 680 ft.; estimated flow, 175,000 g. p. d., but diminished to a dribble up to January, 1899; cased to 600 ft. with 5-in. casing; bore deepened; no data available. Inspected 2/9/13; flow, 119,400 g. p. d.; temp., 98° F.; corroded top of 5-in. casing about 4 ft. below surface; met with driftsand; bore finished with 4-in. casing.

5. Original estimated flow, 100,000 g. p. d.; lined to 580 ft. with 4-in. casing; bore sunk by hand plant. Inspected 29/6/15; flow, 3,150 g. p. d.; temp., 101° F.; water clear and soft.

6. Inspected 31/3/13; flow, 478,150 g. p. d. Reinspected 1/9/13; static head, 20.5 ft. to 21.6 ft.; flow of about 75,000 g. p. d.; between 8-in. and 6-in. casing was not visibly affected by the closure of the 6-in. casing for 1½ hours. Reinspected 6/6/14; flow, 450,800 g. p. d.; temp., 100° F.; former outlet over 6-in. casing was 10 in. higher; the 6-in. casing formerly held by wooden clamps is now about 3 ft. below the top of the 8-in. casing; grade of daily gallons per foot=38,400 gallons; water evidently corrosive.

7. Inspected 2/4/13; flow, 70,620 g. p. d.; temp., 99.5° F.; minute gas bubbles in flow, and a little red oxide in bore drains.

Raiscourt, Compton Downs Resumption—

1. Sub-artesian water at 170 ft.; flow at 370 ft. and 690 ft.; estimated flow, 900,000 g. p. d.; originally lined with 84 ft. of 8-in., 370 ft. of 6-in., and 300 ft. of 5-in. casing; bore cleaned out and recased in 1901. Inspected 14/1/12; small flow; no casing visible; circular hole only left, overgrown by bulrushes; water corrosive.

2. Water at 500 ft. rose to within 30 ft.; first flow at 738 ft.; lined with 78 ft. of 8-in., 407 ft. of 6-in., and 767 ft. of 5-in. casing. Inspected 12/1/12; flow, about 320,000 g. p. d.; temp., 98° F.; casing badly corroded. Reinspected 8/4/13; flow, 262,600 g. p. d.; water very corrosive (6-in. casing corroded away on top).

251. Coolullah Lease—In progress.

252. Cooinburra—Inspected 4/7/96; flow then 833,000 g. p. d.; temp., 122° F.; a small supply at 700 ft. cased off; flow of 40,000 g. p. d. at 1,780 ft., increasing to 100,000 g. p. d. at 1,870 ft.; then gradual increase to bottom; 6-in. casing at surface; estimated leakage outside casing about one-third of total flow. Reinspected 27/8/12; flow, 471,300 g. p. d.; static head, 437 ft. to 590 ft.; temp., 122.5° F.; outlet, 14.5 ft. above surface; large normal leakage outside casing, which increased to 92,000 g. p. d. under head of 453 ft.; maximum head computed after a static test of 1 hour; casing corroded a few inches above W.L. in pool; formerly used for wool-scouring. Stated that the bore caved in, and was cleaned out some time after completion, but did not regain its original flow.

254. Coongoola Lease—

1. Original reputed flow, 900,000 g. p. d.; temp., 116° F. Inspected 30/4/96; flow, 345,000 g. p. d.; static head, 164 ft. Reinspected 14/3/11; flow, 196,900 g. p. d.; static head, 59 ft. to 120 ft.; temp., 114.7° F.; outlet, 6 ft. above ground; cased with 8-in. and 6-in. casing; no leakage outside casing; bore under static test behaved very erratically, and apparently in spasmodic cycles, which can only be due to pneumo-dynamic or gas pressure. Reinspected 14/6/14; flow, 156,600 g. p. d.; temp., 115° F.; static head not taken; bore-head rather badly corroded.

2. Original reputed flow, 1,330,000 g. p. d.; temp., 113° F. Inspected 26/4/96; flow, 437,000 g. p. d.; static head, 284 ft.; temp., 108° F. Reinspected 15/3/11; flow, 268,400 g. p. d.; static head, 77 ft. to 230 ft.; temp., 107° F.; outlet, 1.75 ft. above surface; clamps of 6-in. casing resting on 10-in. casing; no leakage at surface during static test of 17 hours 20 minutes; flush after static test=359,000 g. p. d.; borehead in fair condition after nearly twenty years; water has a decided smell of sulphuretted hydrogen. Reinspected 29/5/14; flow, 229,000 g. p. d.; static head not taken.

3. Formerly called "Balah"—Original reputed flow, 2,700,000 g. p. d. Inspected 29/4/96; flow then=1,554,000 g. p. d.; temp., 124° F. Reinspected 10/3/11; flow, 1,390,000 g. p. d.; static head, 260 ft. to 294 ft.; temp., 125° F.; outlet, 3.5 ft. above surface; no bore-head; free jet over 6-in. casing 50 in.; casing in fair condition; clamps of 6-in. casing resting on logs; duration of static test, 16 hours 45 minutes; stated that the temperature was originally 132° F., and that a considerable quantity of incrustation was present at the bore which has now disappeared. Reinspected 12/6/14; flow, 1,219,000 g. p. d.; static head not taken; temp., 124° F.; free jet over casing 41 in.; large waste of water from this bore.

4. Free flow originally 8 ft. 5 in. over 6-in. casing. Inspected 16/3/11; flow, 1,421,500 g. p. d.; static head, 219 ft. to 235 ft.; temp., 109.5° F.; outlet 5.7 ft. above surface; very slight leakage outside casing, which increased to 48,000 g. p. d. under static pressure of two hours' duration, but diminished again after pressure was taken off; clamps of 6-in. casing resting on logs; borehead thickly covered with incrustation; water tasteless and no gas is perceptible; 40 miles of bore drains. Reinspected 20/7/14; flow, 1,249,400 g. p. d.; temp., 109.5° F.; probable fall in potential since 16/3/11=35 ft.; casing clamps now unsupported; casing above W.L. in pool badly corroded, but sound below W.L.; outside leak still noticeable.

Glenyarrah—Original estimated flow, 1,750,000 g. p. d. Inspected 15/4/11; flow, 1,173,500 g. p. d.; static head, 178 ft. to 198 ft., temp., 115.50° F. Stated that bore was completely turned off for a day or two, showing no ill-effects; valve leaking to the extent of 50,000 g. p. d. during pressure test of 75 minutes; outlet 6.9 ft. above ground; 6-in. casing corroded in patches. A few bubbles of odourless gas and a very small flow of water were noticed outside the casing, but did not increase during static test, and are supposed to come from the 800-ft. level. Reinspected 27/5/14; flow, 1,055,300 g. p. d.; partial static test, 138 to 149.5 ft. during 15 minutes.

255. Coongoola East District—

Boorte—Inspected 24/3/11; yield about 400 g. p. d.; W.L. at 55 ft.; a well to 75 ft.; bore not visible at bottom of well; water not used for several years.

Ardgour—Struck water at 65 ft.; rose to 40 ft.; met with a flow at 800 ft., 1,130 ft., 1,520 ft., and 1,840 ft.; flowing originally 4 ft. over 6-in. casing; bore lined with 383 ft. of 8-in. and 1,850 ft. of 6-in. casing; bottom in 10 ft. of blue shale; see Lic. 280. Inspected 19/12/15; flow, 1,205,200 g. p. d.; static head about 157 ft.; temp., 112° F.

Offham—

1. Stated that originally the free flow was 3 ft. over 6-in. casing but diminished to about its present volume after three weeks. Inspected 2/2/11; flow, 156,600 g. p. d.; probable maximum static head, 19 ft.; temp., 97.5° F.; outlet 6.25 ft. above surface; cased with 6-in. and 8-in. casing; no clamps on bore casing. Reinspected 17/6/14; flow, 128,400 g. p. d. The outlet in this bore was lowered by about 5 ft. since last inspection, and the total diminution in flow is therefore considerably more than the difference of the two gaugings; no static test made; temp., 97.5° F.

2. Original flow not known. Inspected 9/2/11; flow, 1,411,500 g. p. d.; static head, 195 ft. to 217 ft.; temp., 107.25° F.; outlet 9 ft. above surface; bore lined with 6-in. casing and a few hundred feet of 7-in. and 8-in. casing; a flow from an upper water bed of 102,000 g. p. d. issues between the 6-in. and 8-in. casing, but did not seriously increase, if at all, during the static pressure test; bore still throws up a few pebbles of blue shale; C.I. valve casing and W.I. bend are worn right through in places by sand blast action; bore is kept under head of 65 ft. to supply 1½-in. pipe for homestead. Reinspected 16/6/14; flow, 1,248,000 g. p. d., and the probable static head is about 184 ft. The leak between the casings could not be reliably measured on account of the disturbed and discoloured water around the casing; on opening the valve the flow fell from 97,800 g. p. d. to 93,700 g. p. d.; there is some gas in this outer flow. When visited the flow was controlled to 875,000 g. p. d.

Victo—Original flow not known. Inspected 20/4/96; flow then 1,550,000 g. p. d.; pressure not taken; no bore-head fixed. Reinspected 22/2/11; flow, 941,200 g. p. d.; static head, 196 ft. to 209 ft.; temp., 114.2° F.; outlet, 6.5 ft. above surface; borehead throttles flow and causes a back pressure of 27 ft. head; a flow of 11,000 g. p. d. is issuing between the 8-in. and 6-in. casing, increasing to 18,000 g. p. d. under full pressure, and is throwing up sand. The static head was taken by the owner a few years ago, and was then about 232 ft. Reinspected about June, 1914; flow, 927,300 g. p. d.

Longlands—Original free flow 9.25 ft. over 8-in. casing. Inspected 17/2/11; flow, 1,751,800 g. p. d.; static head, 191 to 224 ft.; temp., 113.5° F.; flow, measured under a considerable back pressure, caused by friction in bore-head and 40 ft. of piping; valve casing worn through

by sand blast action; flow is partly controlled; Pelton wheel employed to drive sheep-shearing machines. Reinspected 3/6/14; flow under a static head of 19 ft.=1,371, 800 g. p. d.; static head, 158 ft. to 202 ft.; a drop of 22 ft. in forty months; temp., 112.5° F. It is stated that the flow is usually restricted to one-quarter of its full flow, and on visit the flow was 372,000 g. p. d. with a static head of 180 ft.; a leak of about 13,000 g. p. d. outside of the 8-in. casing did not visibly alter during the pressure test. On reopening, the bore discharged about 3 cb. ft. of solid material consisting chiefly of grey shale and some coal. Reinspected 28/7/14; flow, 1,390,600 g. p. d., under a static head of 12 ft.; this slight increase over previous measurement is due to less back pressure, by releasing the 8-in. valve cover; partial pressure test=157 ft., with a flow of 492,000 g. p. d.; small quantities of coal and shale were again discharged while flushing the bore; flow still kept restricted.

256. Coorabulka—

1. Flow at 654 ft., 330,000 g. p. d.; at 660 ft., 660,000 g. p. d.; and at 744 ft., 900,000 g. p. d.
2. Flow at 941 ft., 950,000 g. p. d.; at finish flow fluctuated from 36 to 43 in. over casing.
3. Flow at 1,098 ft., 140,000 g. p. d.; and at 1,250 ft., 835,000 g. p. d.
4. Flow at 1,242 ft., 140,000 g. p. d.; at 1,325 ft., 680,000 g. p. d.; and at 1,340 ft., 720,000 g. p. d.
5. At 198 ft., small soakage (salt); at 650 ft., 2nd soakage; at 1,022 ft. water rose to 50 ft.; at 1,331 ft., small flow; at 1,548 ft.; flow, 1,690,000 g. p. d.
6. At 40 ft., small soakage; at 245 ft., small flow; at 600 ft., flow 140,000 g. p. d.; at 768 ft., 635,000 g. p. d.; and at 818 ft.; flow, 1,240,000 g. p. d.
7. For strata, etc., see bore section 253; reputed original flow, 1,115,000 g. p. d.
8. Original reputed flow, 1,750,000 g. p. d.
9. Original reputed flow, 1,750,000 g. p. d.

257. Coreena—

1. Original estimated flow, 110,000 g. p. d.; temp., 124° F. Supply at 660 ft. rose to 30 ft.; at 1,100 to 10 ft.; flow at 1,900 ft.; no increase of flow after that depth. Cased with 92 ft. of 8-in., 279 ft. of 6-in., and 1,820 ft. of 5 in. casing; bore ceased to flow in 1905. Inspected 17/8/12; W.L., 15.5 ft. below surface, casing flush with ground; bottom in very hard white sandstone.
2. Flow at 485 ft., 561 ft., 800 ft., and 875 ft. increasing to 902 ft. lined with 50 ft. of 10-in. casing; original estimated flow 720,000 g. p. d. Inspected 16/8/12; flow, 230,000 g. p. d.; temp., 97° F.; casing in good order; a heavy white deposit at bore.
3. For strata, etc., see bore section 277; original estimated flow 315,000 g. p. d.; depth, 1,350 ft.; flow diminished gradually; deepened in 1899; struck another flow at 1,855 ft. (volume not stated); flow in October, 1904=20,000 g. p. d.; ceased to flow in 1905, one month after flow in No. 4 bore was struck. Inspected 20/8/12; W.L., 17.2 ft. below surface.
4. W.L. originally 70 ft. below surface, in April, 1901=102 ft. below surface. Inspected 23/1/13; W.L., 118 ft. below surface; temp., 84° F. Stated that no water was met with below 300 ft., lower strata consists chiefly of rotten rainbow formation and black greasy pug.
5. Original estimated flow, 455,000 g. p. d.; depth, 760 ft. Inspected 12/9/12; flow, 128,000 g. p. d.; temp., 89° F. Bore recased and deepened by 20 ft. in 1905; cased with about 530 ft. of 6-in. and 18 ft. of 10-in. casing; casing slightly corroded.
6. Supply from 500 ft. rose originally to 5 ft. below the surface. Inspected 9/9/12; W.L., 35.5 ft. below surface; cased with 500 ft. of 6-in. casing.
7. Original estimated flow, 100,000 g. p. d.; flow diminished gradually and stopped in 1901; water suspected to be escaping through porous water bed. After lowering and seating the 8-in. casing at 130 ft. in January, 1904, the bore again flowed at the rate of 150,000 g. p. d., but eventually ceased to flow in February, 1907, the day after the flow in No. 18 bore was struck. Inspected 13/9/12; W.L., 6 ft. below surface; bore water corrosive. During the static test of No. 18 bore the W.L. in this bore rose 7½ in. in seventy-three hours.
8. Water struck from 400 to 500 ft.; original W.L. not known; lined with 60 ft. of 8-in. and 260 ft. of 6-in. casing. Inspected 22/11/12; W.L., 68 ft. below surface; W.L. reported in 1907 as 64 ft. below surface.
9. Original W.L. 200 ft. from surface. Inspected 19/2/13; W.L., 228 ft. below surface; bore now known as Dalgi No. 5A; casing could not be moved for perforation; supply cased off; bore abandoned.
10. Water at 290 ft. rose to 60 ft.; flow from 600 ft. to 756 ft.; lined with 157 ft. of 8-in. and 293 ft. of 6-in. casing; original flow, 492,000 g. p. d. Inspected 13/9/12; flow, 83,000 g. p. d.; temp., 91° F.; casing slightly corroded.

11. Original estimated flow, 220,000 g. p. d. Inspected 19/8/12; flow, 85,000 g. p. d.; initial static head, 15 ft.; temp., 113° F.; subartesian supply at 670 ft.; flows at 1,085 ft. and 2,000 ft.; cased with 1,901 ft. of 5 in. and 340 ft. of 6-in. casing; slight leak outside casing; casing considerably corroded; large deposit of red iron oxide at bore; outlet, 5.7 ft. above surface.
 12. For strata, etc., see bore section 279; original estimated flow, 320,000 g. p. d. Inspected 21/8/12; flow, 142,000 g. p. d.; temp., 99° F.; not sunk to bedrock.
 13. See Taree No. 1, A. G. Blyth.
 14. For strata, etc., see bore section 280; original flow, 735,000 g. p. d. Inspected 15/8/12; flow, 359,000 g. p. d.; temp., 95° F.; static head, 46 ft. to 50.4 ft.; flow measured under a back pressure of 7.5 ft.; probable unrestricted flow, 420,000 g. p. d.; bore supplies woolshed and quarters, and is used for irrigating 10 acres of wheat land. Duration of static test fifty minutes.
 15. Water at 90 ft. rose to 40 ft.; flow at 400 ft. to 470 ft. bottom in clay and sandstone; original estimated flow, 185,000 g. p. d. Inspected 11/9/12; flow, 11,400 g. p. d.; temp., 88° F.; Cased with 396 ft. of 6-in. and 69 ft. of 8-in. casing. Large deposit of iron oxide at bore.
 16. Water at 175 ft. to 230 ft. rose to 50 ft., at 460 ft. to within 3 ft.; flow at 550 ft. and 705 ft.; bottom in clay; original flow, 320,000 g. p. d. Inspected 23/8/12; flow, 212,800 g. p. d.; initial static head 8 ft.; temp., 91° F.; bore lined with 576 ft. of 6-in. casing; casing above surface in good condition.
 17. Water at 160 ft. rose to near surface; main flow at 520 ft.; lined with 35 ft. of 8-in. and 510 ft. of 6-in. casing; original estimated flow, 1,000,000 g. p. d.; static head (by owner) in 1906=788 ft. Inspected 26/8/12; flow, 696,000 g. p. d.; static head, about 60 ft.; temp., 92° F.; valve kept closed to restrict flow; flow between casings about 80,000 g. p. d.; bore terminated in sandrock.
 18. Original estimated flow, 455,000 g. p. d.; stated that the day after this bore struck water, No. 7 bore ceased to flow. Inspected 13/9/12; flow, 338,000 g. p. d.; static head, 16 ft. to 19.6 ft.; temp., 89° F.; supply at 80 ft. rose to 25 ft.; flow at 400 ft.; cased with 282 ft. of 6-in. and 266 ft. of 5-in. casing; 6-in. casing slightly pitted, and the water tastes of iron; static test of 73 hours.
 19. Original estimated flow, 275,000 g. p. d.; supply from 180 ft. rose to 80 ft.; first flow at 405 ft. Inspected 7/9/12; flow, 172,800 g. p. d.; temp., 89° F.; flow approximately measured by bucket; bore site swamped; outlet, 1 ft. above ground; cased with 56 ft. of 8-in. and 410 ft. of 6-in. casing; slight leak between casings, and casings slightly pitted; slight deposit of iron oxide in bore drains.
 20. Original W.L. not known; bore lined with 100 ft. of 6-in., 230 ft. of 5-in., and 120 ft. of 4-in. casing. Inspected 23/11/12; W.L. 198 ft. below surface.
 21. Water at 473 ft. rose to surface; flow at 750 ft. to 961 ft.; original estimated flow, 410,000 g. p. d.; stated that flow increased from 4½ in. to 5½ in. over 6-in. casing after completion of bore. Inspected 17/8/12; flow, 235,000 g. p. d.; temp., 99° F.; outlet, 2½ ft. above ground; leak of about 4,000 g. p. d. between 8-in. and 6-in. casings under pressure; 6-in. and 5-in. casing seated on solid rock.
 22. Soak at 66 ft.; more water at 90 ft.; flow at 156 ft., 193 ft., and at 200 ft. to 256 ft.; original flow not known. Inspected 15/9/12; flow, 106,200 g. p. d.; static head, 38.3 ft.; temp., 85° F.; water contains a large amount of soda; it is only used for bathing purposes, and is kept permanently under control.
 23. Bore lined with 246 ft. of 6-in. casing; small supply at 150 ft., and second water from 515 ft. rose to 175 ft. below surface. Inspected 24/2/13; water very good.
 24. Bore lined with 279 ft. of 6-in. casing; soak at 75 ft.; fair supply at 95 ft.; rose to 65 ft. (cased off); good supply at 290 ft.; rose to 175 ft. below surface. Inspected 22/2/13; water good.
- General Remarks.—Stated that bores Nos. 4, 5, 6, 7, 8, 9, 10, 18, 19, and 20 were terminated in a soft (probably volcanic) formation of "all colours," and that no more water was to be met with below this strata. No. 4 bore penetrated 700 ft. of this strata, and below this the bore was determined in 600 ft. of black, greasy formation without striking any further supply.

258. Corrella—Data from newspaper reports.

259. Corinda—

- Bores No. 1 to 30 have been inspected at the end of 1897 and beginning of 1898; see Vol. IV., pages 32 to 89.
1. 3 supplies at 102 ft., 207 ft., and 307 ft.
 2. 2 supplies at 119 ft. and 318 ft.
 3. 2 supplies at 108 ft. and 216 ft.; see Lic. 121 for deepening.
 4. 1 supply at 63 ft.
 5. 3 supplies at 141 ft., 161 ft., and 231 ft.

6. 1 supply at 80 ft.
7. 2 supplies at 66 ft. and 156 ft.
8. 1 supply at 417 ft.
9. 2 supplies at 298 ft. and 436 ft.
10. 2 supplies at 141 ft. and 413 ft.; flow diminishing.
11. 2 supplies at 394 ft. and 511 ft.; porous bed at 603 ft. plugged with concrete, &c.
12. Steam pump of capacity 400,000 g. p. d.
13. 3 supplies at 256 ft., 274 ft., and 372 ft.
14. Reinspected 30/10/13; flow, 55,000 g. p. d.; temp., 98° F.; 3-in. casing corroded to a thin shell; former flow on 28/4/98=123,700 g. p. d.; temp., 98° F.
16. Former depth in August, 1891=194 ft.; flow, 17,100 g. p. d., with a head of 4 ft.; temp., 84° F.
21. See Lic. 122 for deepening.
22. Former depth in November, 1891=360 ft.; W.L. 14 ft. below surface.
23. 2 supplies at 96 ft. and 229 ft.
27. 2 supplies at 134 ft. and 345 ft.
29. 5 separate very small supplies; very little water; well to 75 ft.; former W.L. about 54 ft. below surface.
30. 2 supplies at 229 ft. and 509 ft.; sunk to 541 ft. in September, 1896; W.L. then 16 ft. below surface.
32. Sunk within a few yards of No. 10; bottomed on red rock; bore reported in 1907 as sub-artesian, with a W.L. of 45 ft. below surface.
36. Soak at 28 ft. and 50 ft.; supply at 190 ft. rose to 27 ft.; probably some more water below; lined with 454 ft. of 6-in. casing; W.L. 23.5 ft. below surface; see Permit 3.
37. Water struck at 245 ft. rose to within 106 ft.; lined with 286 ft. of 6-in. casing; see Permit 4.
38. In progress; see Permit 6. Fleetwood; see Permit 5.

260. Cork Lease—

1. Original estimated flow, 435,000 g. p. d. Inspected 14/3/17; flow, 310,000 g. p. d.; temp., 180° F.; good drinking water; 20 miles of bore drains.
2. Met with a soak at 406 ft.; supply of salt water at 438 ft. rose to 178 ft.; fresh water at 3,842 ft. rose to 20 ft.; small flow at 3,853 ft.; increase at 3,857 ft., 3,860 ft., 3,892 ft., 3,902 ft., 3,922 ft., 3,946 ft., 3,953 ft., 4,000 ft., 4,024 ft., 4,052 ft., 4,043 ft., 4,287 ft., 4,316 ft., and 4,340 ft.; total estimated flow, 437,400 g. p. d.; bore lined with 61 ft. of 10-in., 302 ft. of 8-in., 3,172 ft. of 6-in., 3,915 ft. of 5-in., and 940 ft. of 4-in. casing; see Lic. 43. Inspected 17/3/17; flow, 398,000 g. p. d.; static head, 171 ft. to 196 ft.; temp., 198° F.; good drinking water; some gas in flow.
3. Good supply of stock water, slightly brackish, at 90 ft.; lined with 117 ft. of 6-in. casing.
4. No data.
5. Bore in progress. Inspected 20/4/17; W.L. at 123.8 ft.
6. Lined to bottom with 6-in. casing; W.L. on completion at 188 ft. pumped down to 209 ft. when pumping at the rate of 20,000 g. p. d. Inspected 24/4/17; good stock water.
7. Lined to bottom with 6-in. casing; W.L. on completion stood at 214 ft., while pumping at the rate of 14,000 g. p. d. Inspected 23/4/17; W.L., 107.4 ft. below surface; stock water.
8. W.L. on completion at 204 ft. lowered by pumping (at the rate of 10,000 g. p. d.) to 350 ft.; lined to bottom with 6-in. casing. Inspected 27/2/17; W.L. at 108 ft.; water good.

264. Crystal Brook—Flow at 260 ft. to 280 ft.; bottom in river sand; lined with 280 ft. of 5-in. casing; see Lic. 77.

265. Culloden—

1. Original estimated flow, 455,000 g. p. d.; temp., 135° F.; lined with 990 ft. of 5-in. and 600 ft. of 4-in. casing; bottom in pipe clay. Inspected 9/9/14; flow, 240,000 g. p. d.; temp., 133° F.; bore drains slightly red with ferric oxide; water very good and soft.
 2. Flow at 1,700 ft., 1,800 ft., and 2,175 ft.; bottom in sandrock; lined with about 60 ft. of 8-in., 2,175 ft. of 5-in., and 350 ft. of 4-in. casing; original estimated flow, 230,000 g. p. d. Inspected 14/9/14; flow, 218,100 g. p. d.; temp., 131° F.; static head, 28 ft.; bore drains are dull-red, with apparently ferric oxide; water very good and soft.
- Burslem—Flow at completion, 166,400 g. p. d.; temp., 129° F.; flow struck at 1,600 ft. and 2,312 ft.; flow decreased gradually, and stopped in December, 1906; bore then cleaned out, but without recovering flow; W.L., June, 1907=6 ft. below surface; deepened by 343 ft.; November, 1897, to February, 1908, result not known; stated that water level has not gone back for over two years; sometimes it was 6 ft. higher, and sometimes lower; lost sinker forced into side of wall; casing passed the obstruction. Inspected 10/2/14; W.L. 24 ft. below surface; very slight odour of sulphuretted hydrogen; temp., 115° F.

266. Cunnamulla East District—

Hariman Park—Estimated flow after completion, 2,590,000 g. p. d. Inspected 6/3/96; flow, 1,515,000 g. p. d. Re-inspected 7/4/11; flow, 1,203,650 g. p. d.; static head, 189 ft. to 216 ft. (test lasting 27 minutes); used for wool-scouring. Stated that a good flow of brackish water was struck at 600 ft., but is now very small, and rises outside casing.

Hariman Park Wells—Stated that about a dozen wells were sunk, in all of which a supply was struck in gravelly drift 3 ft. to 5 ft. thick at about 25 ft. below surface, but after about two years the yield diminished seriously, and the wells are now abandoned.

Horton Vale—Estimated flow after completion=2,250,000 g. p. d.; static head, 277 ft. (taken by owner); first flow at 1,500 ft.; ten distinct flows. Inspected 30/3/11; flow, 955,300 g. p. d.; static head, 194 ft. to 221 ft.; temp., 113° F.; flow controlled to about 500,000 g. p. d.; loss by friction in pipes above surface, 17.8 ft.; Pelton wheel employed driving eight shearing machines; 6-in. casing clamps resting on logs; duration of static pressure test, 28 minutes; bore drains distributed over several grazing farms. Reinspected 21/7/14; flow, 831,500 g. p. d.; probable maximum static head from 30 ft. to 40 ft. lower than on previous inspection; flow partly restricted.

Nine Mile—Reputed flow after completion=2,550,000 g. p. d.; first flow at about 1,800 ft.; outlet, 4.75 ft. above ground; duration of static pressure test, 2 hours 30 minutes. Inspected 12/4/11; flow, 1,143,500 g. p. d.; static head, 203 ft. to 219 ft.; temp., 111° F.

Moorabindah—Original estimated flow, 2,040,000 g. p. d.; cased with 6-in., 7-in., and 8-in. casing. Inspected 2/4/11; flow, 1,114,000 g. p. d.; static head, 179 ft. to 208 ft.; temp., 112° F.; duration of static test, 45 minutes; outlet, 1 ft. above surface. Reinspected 4/4/12; difference in flow unmeasurable; static head, 7 ft. less than that of previous gaugings. Reinspected 24/7/14; flow, 941,200 g. p. d.; partial pressure test made; drop in potential since 2/4/11 nearly 40 ft. Stated that after striking the main flow the bore was closed down for several days without any sign of outside leakage.

267. Cunnamulla, South-west District—

Kahmoo—Measured flow after completion=1,142,000 g. p. d.; static head, 251 ft.; temp., 106° F.; about June, 1910, the pressure was again gauged by the owner, and was equal to a static head of 185 ft. Inspected 30/5/11; flow, 439,700 g. p. d.; static head, 99 ft. to 180 ft.; outlet, 13.8 ft. above surface; duration of static pressure test, 3 hours; the bore is evidently sunk to the upper water-bed only, which may account for the large loss in flow; water used for wool-scouring. Reinspected 26/9/15; flow, 359,000 g. p. d.

Waihora—Estimated flow after completion=1,115,000 g. p. d.; temp., 112° F. Inspected 24/6/11; flow, 461,800 g. p. d.; static head, 178 ft. to 221 ft.; temp., 110° F.; outlet, 13.5 ft. above surface; during the static test, lasting 70 minutes, a leakage outside the casing was noticed, bringing up a cartload of fine grey sand, but this leakage ceased again within 1½ hours after reopening the bore; a similar result is stated to have been observed by the owner when closing the bore for a few days some years ago; only one string (5-in.) of casing used, secured by wooden clamps; a mud-spring was met with at 100 ft., and the first flow was tapped at 500 ft.; after clearing away the fungus inside the bore casing the free flow fell from 18 to 14 in.

Strathlea—Estimated flow after completion=1,160,000 g. p. d.; static head, 258 ft. after few minutes closure; temp., 117° F. Inspected 17/6/11; flow, 662,700 g. p. d.; static head, 208 ft. to 215 ft.; temp., 116.5° F.; outlet, 3 ft. above ground; the first flow, after about a week's suspension of work, fell from 6 ft. to 2 ft. over the outlet, when drilling was resumed; the second flow was struck only about 4 ft. deeper; duration of static test, 25 minutes; casing thickly covered with fungus, but in good condition; nearly 60 miles of bore drains, running in five directions.

Bowra—Estimated flow after completion=2,800,000 g. p. d. Inspected 11/6/11; flow, 1,304,400 g. p. d.; static head, 232 ft. to 246 ft.; temp., 118° F.; outlet, 4 ft. above surface; duration of static test, 90 minutes; casing badly rusted externally for the time being; incrustation at outlet.

Sedenen—Estimated flow after completion=95,000 g. p. d. Inspected 23/5/11; flow, 65,640 g. p. d.; static head, 18 ft. to 23 ft.; temp., 105° F.; outlet, 2.7 ft. above surface; duration of static test, 30 minutes; situated on summit of watershed; stated that flow was struck at about 1,200 ft., and 4-in. casing was then used through bedrock to the bottom of bore; bore runs from 9 to 12 miles of bore drains.

Ginnenbah—Estimated flow after completion=1,450,000 g. p. d. Inspected 28/6/11; flow, 997,800 g. p. d.; static head, 223 ft. to 232 ft.; temp., 114° F.; outlet, 1 ft. above surface; duration of static test, 3 hours 12 minutes.

Glenara—No records; sub-artesian bores.

268. Dagworth Lease—

1. Deposits calcareous and ferruginous stalagmite. This is the third hottest flow in Queensland. Original flow, about 15 in. over casing. Inspected 23/1/96; flow, 646,200 g. p. d. (flowing 11.5 in. over 6-in casing); maximum static head, 92 ft.; temp., 196° F.; estimated flow in 1907 reported to be 275,000 g. p. d. Reinspected 19/5/11; flow=90,400 g. p. d., with a free flow of barely 1 in. over 6-in. casing; a large amount of gas is issuing; ceased to flow 15/5/12; W.L. on 12/6/12=19 ft. below top of casing.

2. Original flow, about 455,000 g. p. d. Inspected 18/5/11; flow, about 4½ in. over 6-in. casing. Stated that first flow was tapped at 2,710 ft.; from 2,800 to 3,100 ft. an increase was met with at about every 15 or 20 ft., and the last flow was tapped at 3,200 ft., increasing to 3,340 ft. In September, 1912, the flow was reported to be decreasing very rapidly. Reinspected 5/11/14; flow, 239,200 g. p. d.; temp., 192° F.; heavy white incrustation on stones around casing also on parts inside of casing, notably at a depth of 66 ft., where there is a partial bridging of white flakey incrustation, casing only slightly corroded and little oxide in drains.

3. Inspected 5/11/14; crystals of salt on discharge pipe; water brackish.

Fairview (Dagworth Resumption)—Original flow not known. Inspected 9/6/11; estimated flow, 720,000 g. p. d.; owner states that flow is not diminishing. Reinspected 15/8/14; flow, 344,000 g. p. d.; temp., 174° F.; owner objected to pressure test; white mound of incrustation around bore head; the casing has an inside coating of whitish hard deposit.

269, 270. Dalby North and South Districts—Sub-artesian wells and bores from Government Geologist's report (17th December, 1898); "Five-mile Dam," formerly called Jimbour bore.

Irvingdale—Bore cased with 8-in. galvanised iron casing; water fresh.

O'Keefe's—Water brackish.

J. D. Mulholland—Water very salt; bore cased with galvanised iron casing.

L. Riethmüller—Bore cased with galvanised iron casing; struck salt water, at 67 ft., and fresh water at 80 ft.; salt water not shut off.

Hereward Selection—Data from newspaper.

271. Dalgonally Lease—

A.—Dry; sunk at bottom of 80-ft. well.

B.—Lined with 68 ft. of 6-in. casing. Inspected 28/10/96; flow, 32,700 g. p. d.; static head, 9 to 14 ft.; temp., 87° F.; bore probably abandoned.

C.—Bore lined with 48 ft. of 6-in. casing; ceased flowing in 1900. Inspected 20/10/96; flow, 9,700 g. p. d., with a head of 10.4 ft. to 32 ft.; temp., 98° F.; water not used.

D.—Original depth 292 ft.; lined with 65 ft. of 6-in. casing; flow when struck estimated at 850,000 g. p. d., but diminished in a few days to a very small flow. Inspected 2/11/96; flow, 3,900 g. p. d.; static head, 4 ft.; temp., 88° F.; bore deepened before 1902, estimated flow, 70,000 g. p. d. Reinspected 28/11/14; flow, a trickle; temp., about 92° F.; stated that if bore is not pumped for a few days the water will trickle over 5-in. casing (2 ft. above surface); water suitable for stock only.

E.—Bore lined with 69 ft. of 6-in. casing. Inspected 3/11/96; flow, 20,550 g. p. d.; static head, 10 ft. to 43 ft.; temp., 122° F.; flow reported to be a trickle only in 1907.

1. Bore lined with 4½-in. casing; original estimated flow, 250,000 g. p. d. Inspected 16/8/15; flow, 107,200 g. p. d.; temp., 114° F.; outlet lowered by a few feet; water excellent; very little gas in flow.

2. Bore lined with 6-in. casing; measured flow in December, 1914=363,000 g. p. d. Inspected 11/9/15; flow, 322,000 g. p. d.; temp., 108° F.; water excellent; a little gas in flow.

3. Bore lined with 6-in. casing; measured flow by owner in November, 1913=49,500 g. p. d. and at end of 1914=65,800 g. p. d.; original temp., 111° F. Inspected 9/9/15; flow, 92,000 g. p. d.; temp., 112.5° F., excellent water; a trace of gas in flow. Reinspected 13/3/16; flow, 56,000 g. p. d.; temp., 112.5° F.; a little gas in flow.

4. Bore lined with 6-in. casing; measured flow in November, 1913, and December, 1914=243,000 g. p. d. Inspected 26/8/15; flow, 230,000 g. p. d.; temp., 120° F.; 6-in. casing badly corroded at surface; iron oxide in bore drain; water good, with a little gas in flow.

5. Bore lined with 6-in. casing; original measured flow, 230,000 g. p. d. (5 in. over casing); measured flow, November, 1913=205,000 g. p. d. Inspected 30/8/15; flow, 203,500 g. p. d.; temp., 115° F.; good drinking water; very little gas in flow.

6. Lined with a little 8-in. casing and 6-in. casing to sand-rock; measured flow on November, 1913, and December, 1914=230,000 g. p. d. Inspected 7/9/15; flow, 217,600 g. p. d.; temp., 106° F.; nearly half of the flow issues between the 8-in. and 6-in. casings; site of bore at the edge of the artesian basin; good drinking water; a trace of gas in flow.
 7. Water-bearing strata (sandrock) from 706 ft. to bottom; original flow, 30 in. over (?) 6-in. casing; bore lined with some 8-in. casing and 106 ft. of 6-in. casing; measured flow in November, 1913, and December, 1914=630,000 g. p. d. Inspected 20/8/15; flow, 505,700 g. p. d.; temp., 108° F.; flow now 12 in. over 8-in. casing; excellent drinking water, no trace of gas; casing apparently sound; flow of water made a channel 11 ft. deep and 40 ft. wide from bore head to river.
 8. Water in 5 ft. of sandstone at bottom; 6-in. bore casing visible; original flow, 13 in. over casing; temp., 109° F.; measured flow in November, 1913, and December, 1914=290,000 g. p. d. Inspected 10/9/15; flow, 308,000 g. p. d.; temp., 110° F.; water contains soda and gypsum; a trace of gas present; casing in fair condition.
 9. Also called Iona bore—Met with fresh water at 900 ft., rose to 800 ft., and at 932 ft. the water rose to 300 ft.; flow at 942 ft. to 952 ft. in sandstone; original measured flow, 75,000 g. p. d.; temp., 126° F.; bottom in hard rock overlying granite; bore lined with 18 ft. of 10 in., 82 ft. of 8 in., and 942 ft. of 6-in. casing; see Lic. 112; measured flow in November, 1913=60,000 g. p. d., and in December, 1914=42,000 g. p. d. Inspected 22/9/15; flow, 22,900 g. p. d.; static head, 16 ft. to 19 ft.; temp., 125° F.; water very good; a slight trace of gas; casing in good condition.
 10. Also called Bendigo bore—Flow of about 75,000 g. p. d. at 814 ft. increase from 913 ft. to 1,006 ft.; total estimated flow, 1,330,000 g. p. d.; bore lined with 129 ft. of 10-in., 500 ft. of 8-in., and 840 ft. of 6-in. casing; see Lic. 154; measured flow in November, 1913=869,000 g. p. d., and in December, 1914=559,500 g. p. d. Inspected 20/9/15; flow, 474,000 g. p. d.; a leak of 8,000 g. p. d. between 8-in. and 6-in. casings; temp., 117.5° F.; good drinking water; a little gas present.
- Sunny Plains (Dalgonally Resumption)—For strata, etc., see Lic. 85; bore lined with 10-in., 8-in., and 6-in. casing; original flow not known. Inspected 24/11/14; flow, 713,000 g. p. d.; temp., 110.5° F.; small flow between 8-in. and 6-in. casing, which increased under partial closure; slight incrustation of soda on bore-head, also slight deposit of red oxide; small quantity of gas rising outside casing; CO₂ test, water gives neutral reaction with phenol-phthalein.
- Consentes—For strata, etc., see Lic. 111; original estimated flow 635,000 g. p. d. Inspected 22/7/14; flow, 579,200 g. p. d.; temp., about 116° F.; no static test; very slight leak outside casing; very good drinking water.

273. Darr River Downs Lease—

1. Inspected December, 1895; depth, 2,007 ft.; supply from 700 ft. stood at about 100 ft. from surface; water brackish; bore deepened later on; original estimated flow in November, 1898=70,000 g. p. d. Reinspected 21/12/12; flow, 18,000 g. p. d. (time measure); temp., 158° F.; leak outside casing about 5,000 g. p. d.; small deposit of red iron oxide in bore drain, and a hard white incrustation on borehead; large quantities of non-inflammable gas in flow. Reinspected 8/4/16; flow, 22,600 g. p. d.; temp., 156.5° F.
2. Inspected December, 1895; depth 1,000 ft.; water from 700 ft. stood at 120 ft. from surface, giving a pumping supply of about 35,000 g. p. d.; bore deepened in 1901 with a reputed flow of 460,000 g. p. d.; estimated flow in 1907=200,000 g. p. d. Reinspected 19/12/12; flow, 99,600 g. p. d.; temp., 172° F.; small leak outside of casing; large quantities of non-inflammable gas bubbles in flow. Reinspected 31/3/16; flow, 92,000 g. p. d.; temp., 172° F.
3. Original estimated flow, 550,000 g. p. d. Inspected December, 1895; flow, 285,000 g. p. d.; static head, 65 ft.; temp., 169° F. Reinspected 17/12/12; flow, 67,000 g. p. d.; temp., 162° F.; large bubbles of inflammable gas continuously rising; outlet, 18 in. above surface; small deposit of red iron oxide in bore drains. Reinspected 10/3/16; bore ceased to flow.
4. Inspected December, 1905; flow then 148,640 g. p. d.; static head, 78 ft.; temp., 175° F.; bore terminated in hard quartzite rock. Reinspected 20/12/12; flow, 62,000 g. p. d.; temp., 172° F.; small deposit of red iron oxide in bore drain; gas in flow but conditions were unfavourable to ascertain if inflammable. Reinspected 24/3/16; flow, 56,700 g. p. d.; temp., 175.4° F.
5. Original W.L. near surface. Inspected 16/12/12; W.L. at 23.3 ft. below surface; W.L. rises 7 ft. in casing while pumping at the rate of 56,000 g. p. d. The casing used is about 16 ft. of 10-in., 150 ft. of 8-in., and 2,460 ft. of 6-in.; gas present in water. Reinspected 24/1/16; W.L., 32 ft. below surface; a well sunk to below W.L.; water very good; some gas outside casing in well.

6. Not mentioned by inspector.
7. No boring records; lined with 260 ft. of 6-in. casing. Inspected 30/3/16; water brackish.
8. No boring records; lined with 250 ft. of 6-in. casing. Inspected 27/3/16; water brackish.
9. No boring records; lined with 260 ft. of 6-in. casing. Inspected 28/3/16; water fresh.
10. No boring records; lined with 270 ft. of 6-in. casing. Inspected 29/3/16; water fresh.
11. In progress. Inspected 29/3/16.
12. No boring records; lined with 306 ft. of 6-in. casing. Inspected 22/3/16; water slightly brackish.
13. No boring records; lined with 250 ft. of 6-in. casing. Inspected 31/3/16; water brackish.
14. Dry; casing drawn; abandoned.
15. No boring records; lined to 300 ft. with 6-in. casing. Inspected 24/4/16; water slightly brackish.
16. No boring records; lined with 250 ft. of 6-in. casing. Inspected 24/4/16; water very salt.

Darr River Downs Resumption—

Twenty-mile Well—Inspected 23/3/16; water, 72 ft. below surface; brackish.

Lagune—

1. Salt water at 135 ft. and 200 ft.; bore lined with 40 ft. of 6-in. casing. Inspected 12/10/15; bore abandoned; water too salty for stock.
2. Water bed at 250 ft.; bore lined with 300 ft. of 6-in. casing. Inspected 12/10/15. Stated that during the last twelve months the supply diminished from 8,000 g. p. d. to 6,000 g. p. d.; water fairly salty.

Bunnington Lease—

1. No boring records; lined with 8-in. casing; water too salty for boiler tubes; abandoned.
2. Water bed at 155 ft.; bore lined with 300 ft. of 6-in. casing. Inspected 13/3/16; W.L. at (?) ft.; stock water.
3. Water bed at 205 ft.; bore lined with 250 ft. of 6-in. casing. Inspected 22/1/16; water fair.
4. Water bed at 236 ft.; bore lined with 250 ft. of 6-in. casing. Inspected 30/9/15; water fair, with strong taste of soda.
5. No boring records; lined with 300 ft. of 6-in. casing. Inspected 24/3/14; water brackish.
6. No boring records; lined with 260 ft. of 6-in. casing. Inspected 25/1/16; water fair, but has a saline taste.
7. No boring records; lined with 260 ft. of 6-in. casing. Inspected 24/3/16; water salty.
8. No boring records; lined with 300 ft. of 6-in. casing. Inspected 21/1/16; water good, but has a slight saline taste.

Richfield—Water struck at 250 ft.; lined with 220 ft. of 6-in. casing. Inspected 3/4/16; W.L. at about 150 ft.; water brackish.

Sunny Plains—

1. No data.
2. Homestead—A well to 300 ft.; bored 70 ft. Inspected 30/9/15; W.L. at 151 ft.; water brackish.
3. No boring records. Inspected 29/5/15; bore abandoned.
4. W.L. at 187 ft.; bore lined with 350 ft. of 6-in. casing. Inspected 1/10/15; windmill broken; water very salt.
5. W.L. at 110 ft.; bore lined with 372 ft. of 6-in. casing. Inspected 30/9/15; water brackish, and tastes strongly of soda.
6. W.L. at 135 ft.; bore lined with 520 ft. of 6-in. casing. Inspected 2/10/15; water brackish; temp., 83° F.
7. W.L. at 125 ft.; bore lined with 300 ft. of 6-in. casing. Inspected 1/10/15; windmill broken; water very salt.

Hereward—

1. No boring records; lined with 6-in. casing. Inspected 21/3/16; W.L. at about 100 ft.; water brackish.
2. Depth, 508 ft. on 29/7/12; deepened in 1915; supplies at 168 ft., 320 ft., 420 ft., and 480 ft.; lined with 6-in. casing. Inspected 20/3/16; W.L. at 160 ft.; water brackish; temp., 83° F.
3. Water beds at 90 ft., 370 ft., 433 ft., and 450 ft.; W.L. at 80 ft.; bore deepened in 1915 from 302 ft.; lined with 6-in. casing. Inspected 14/10/15; water brackish; temp., 91° F.
4. Records unreliable; bore lined with 6-in. casing; W.L. at 80 ft. Inspected 13/10/15; water brackish; temp., 90° F.
5. Records unreliable; bore lined with 6-in. casing; W.L. at 120 ft. Inspected 13/10/15; water brackish.

Levuka—

1. No boring records; lined with five lengths of 6-in. casing. Inspected 22/2/16; good stock water.
2. Fischen Creek—Fresh water at 60 ft.; lower supply brackish; no data; bore lined with 6-in. casing. Inspected 22/2/16; water brackish.
3. Supply near bottom; bore lined with 6-in. casing. Inspected 22/2/16; pumping test at 125 ft. for 30 minutes; water slightly brackish.

4. Supply at 117 ft., 216 ft., and 404 ft.; bore lined with 235 ft. of 6-in. casing. Inspected 19/2/16; pump at about 326 ft.; stock water.
5. Soak at 172 ft.; supply at 405 ft. to 417 ft.; bore lined with 240 ft. of 6-in. casing. Inspected 21/2/16; water not lowered below 226 ft.; good stock water.

Darraveen—

1. First water at 120 ft.; lined with 85 ft. of 6-in. casing. Inspected 7/4/16; W.L. at 104 ft.; pump at 161 ft.; water brackish.
2. Supply at 98 ft. only; lined with 100 ft. of 6-in. casing. Inspected 22/14/16; W.L. at 92 ft.; water brackish.
3. In progress. Inspected 29/6/16.

274. Davensport Downs Lease—

1. No boring records; original estimated flow, 1,760,000 g. p. d.
2. No boring records; original flow, 44 in. over 6-in. casing.

275. Delta North Lease—Original flow about 460,000 g. p. d.; temp., 120° F. Inspected 12/10/99; flow, 306,800 g. p. d.; static head, 16.1 ft. to 18.7 ft.; temp., 108° F.; valves on bore free from all signs of "reh."

Delta South Lease—

1. Flow at about 900 ft. and 1,700 ft.; cased with 900 ft. of 5-in. and 1,748 ft. of 4-in. casing; flow in 1912 estimated at 100,000 g. p. d. Inspected 28/4/16; flow, a trickle only.
2. Salt water at 145 ft.; flow of 9,000 g. p. d.; at 225 ft. finished in 2 ft. of brown coal shale; lined with 33 ft. of 8 in. and 224 ft. of 6-in. casing. Inspected 3/10/14; estimated flow, 9,000 g. p. d.
3. No boring records; lined with 34 ft. of 8-in., 102 ft. of 6-in., and 781 ft. of 5-in. casing. Inspected 3/10/14; W.L. at 6 ft. below surface.
4. No boring records; flow about 4,000 g. p. d.; lined with 25 ft. of 8-in. and 438 ft. of 6-in. casing. Inspected 3/10/14.
5. Salt water at 35 ft. (pumped dry); fresh water, 238 ft.; rose to within 3 ft.; lined with 32 ft. of 8-in. and 238 ft. of 6-in. casing. Inspected 2/10/14; good pumping supply.
6. Some water at 1,016 ft., and a flow of about 9,000 g. p. d. at bottom; lined with 147 ft. of 8-in. and 1,070 ft. of 6-in. casing. Inspected 2/10/14; flow, about 9,000 g. p. d.

276. Devoncourt—Twelve sub-artesian bores on station (May, 1910).

277. Dillalah Lease—

1. Original depth, 1,344 ft.; flow about 120 g. p. d.; deepened in April, 1894 (flow not known), for strata, &c.; see bore section 235. Inspected 12/5/97; flow estimated at 1,500,000 g. p. d.; temp., 125° F. Reinspected 21/10/10; flow, 1,097,600 g. p. d.; maximum static head, 199.5 ft.; temp., 122.5° F.; outlet, 3 ft. above surface; casing suspended on clamp; borehead leaking; used for wool-scouring. Reinspected 7/10/14; flow, 1,053,000 g. p. d.; no ferric hydrate noticed. Reinspected 1/10/15; flow, 984,500 g. p. d.; temp., 121° F. Reinspected 9/11/15; bend removed; flow increased to 1,001,500 g. p. d.; the water gives an alkaline reaction with phenol-phthalein.
2. For strata, &c., see Inspector's report, Vol. III., page 124; original estimated flow, 1,500,000 g. p. d.; bore lined with 2,090 ft. of 6-in. and 196 ft. of 5-in. casing at bottom. Inspected 14/5/97; flow, 1,080,000 g. p. d. Reinspected 10/10/14; flow, 874,660 g. p. d.; casing seriously rusted above surface; no red oxide in bore drain. Reinspected 3/10/15; flow, 785,000 g. p. d.; temp., 144.5° F.; headworks in a state of collapse. Reinspected 11/11/15; headworks removed; flow, 866,500 g. p. d.; the water gives an alkaline reaction with phenol-phthalein.
3. Original flow not known; for strata, &c., see bore section 236. Inspected 9/5/97; flow, 858,200 g. p. d. Reinspected November, 1910; flow, 729,500 g. p. d.; maximum static head about 97 ft.; temp., 120.9° F.; outlet, 9 ft. above surface; flow throttled by plug-valve, causing a loss of head of 7 ft.; casing above ground completely rusted through in places. Reinspected 6/10/14; flow, 622,100 g. p. d.; no sign of red oxide in bore drain; a little odorless gas in flow. Reinspected 30/9/15 and 14/10/15; flow, 577,700 g. p. d.; on removing plug-valve and bend the flow increased to 652,300 g. p. d. (not yet normal). Reinspected 8/11/15; flow, 629,600 g. p. d.; temp., 119° F.; the water gives an alkaline reaction with phenol-phthalein.

Auburn Vale—Dillalah Resumption—

1. Met with very brackish water at 700 ft. to 800 ft.; rose to 80 ft. below surface; no other particulars known.
2. Sunk 1 chain S.E. of old bore; sub-artesian water at 640 ft.; rose to 200 ft. (cased off); flow at 2,065 ft., 2,200 ft., 2,290 ft., and at 2,840 ft.; bottom in hard shale; bore lined with 352 ft. of 8-in., 1,824 ft. of 6-in., and 1,222 ft. of 5-in. casing, the latter resting on

bottom; see Lic. 183. Inspected 24/10/14; flow, 637,200 g. p. d. Reinspected 4/10/15; flow, 451,000 g. p. d.; static head, 63 ft. to 69 ft.; temp., 139° F.; water good; no gas.

Riverview—In progress; see Lic. 354.

278. Donor's Hill—Supply from 1,996 ft. rose to within 90 ft. of surface; original estimated flow, 45,000 g. p. d.; said to have bottomed bedrock; lined with 6-in. casing; reported flow in 1907=8,000 g. p. d.; water highly mineralised. Inspected 19/8/16; flow, 7,100 g. p. d.; temp., 145.5° F.; fair drinking water.
279. Duaringa—Bores sunk in search of coal; No. 2 bore met with coal at 437 ft.
280. Dundoo Lease—Supply at 200 ft. rose to within 180 ft., and at 600 ft. to within 70 ft.; flow at 1,900 ft., 2,200 ft., 2,260 ft., 2,300 ft., and at 2,736 ft.; bore lined with 100 ft. of 10-in., 286 ft. of 8-in., and 2,080 ft. of 6-in. casing; see Lic. 91. Inspected 13/10/13; flow, 1,467,000 g. p. d. (bore yet in progress). Reinspected 19/8/14; no gaugings made.

281. Durham Downs—1. Abandoned by contractors.

282. Dynevov Downs—

- 1 and 5. Met with loose boulders.
2. Original flow=28,000 g. p. d.; static head, 30 ft.; duration of static test not known. Inspected 12/1/12; flow, 5,710 g. p. d.; static head, 6.4 ft. to 78 ft.; temp., 92.5° F.; duration of static test, 50 hours; outlet, 1 ft. 3 in. above ground.
3. Sand rising; abandoned on account of accident with the tools; casing slightly rusted and coated with slime.
4. Original estimated flow=23,000 g. p. d.; static head, 15 ft. Inspected 11/1/12; flow, 7,500 g. p. d.; static head, 3.5 ft.; temp., 97° F.; outlet, 2.2 ft. above ground; 4-in. casing rather rusty; water charged with H₂S gas.

284. Eddington Lease—

A and B Bores are 55 ft. apart. Inspected 21/11/96; see table for data; bore A lined with 51 ft. of 6-in. casing.

C. Originally a small flow. Inspected in November, 1896; flow, 1,487 g. p. d.; temp., 82° F.; lined with 5-in. casing. Reinspected in November, 1914, estimated flow 450 g. p. d.; outlet somewhat lowered; bore now practically disused.

1. A little salt water at 250 ft.; water bed below 1,063 ft. in 100 ft. of sandrock and pipeclay; bottom in (?) granite; bore lined with 1,060 ft. of 6-in. casing. Inspected 18/3/99; flow, 811,000 g. p. d.; temp., 125° F.; static head, 295 ft. to 335 ft.; with a leakage of 77,000 g. p. d. outside of casing. Flow by owner in December, 1902=753,000 g. p. d., and in October, 1914=451,000 g. p. d. Reinspected 22/2/15; flow, 426,800 g. p. d.; stated that water comes up outside casing when partially closed for woolscouring; bore to be recased; see Lic. 261.
2. Main flow at 1,060 ft. above 39 ft. of sandrock; bedrock probably reached; bore lined with 1,060 ft. of 6-in. casing; measured flow, 2/12/02=416,500 g. p. d.; temp., 128° F.; flow diminished gradually. Inspected 9/8/15; flow, 199,400 g. p. d.; temp., 126° F.; casing slightly corroded; trace of red oxide; very excellent drinking water; a little gas in flow.
3. Formerly Horse Creek—Waterbed consists of about 200 ft. of sandstone; bore lined with 1,060 ft. of 6-in. casing; bore determined in (?) bedrock. Flow by owner on 22/12/02=582,000 g. p. d., and on 22/10/14=299,300 g. p. d. Inspected 1/2/15; flow, 270,400 g. p. d.; apparent leak outside of casing.
4. Original estimated flow, 1,410,000 g. p. d., in very coarse sandstone; flow as measured at intervals by owners, December, 1902=1,061,000 g. p. d.; January, 1905=963,000 g. p. d.; February, 1908=784,000 g. p. d.; February, 1911=729,400 g. p. d.; April, 1911=703,200 g. p. d.; and in May, 1914=629,200 g. p. d. Inspected 23/7/14; flow, 498,800 g. p. d. (estimated leakage added to this measurement probably too low); temp., 112° F. Stated that bore was determined in granite; bore cased with 978 ft. of 6-in. casing only; a little gas present in flow. Reinspected 26/9/14; flow, 520,100 g. p. d.; temp., 111° F.; CO₂ test, negative.
5. Flow at 850 ft. with increases up to 950 ft.; total original flow, 18 in. over 6-in. casing; in December, 1902=11 in. over casing; or 537,200 g. p. d.; bore lined with 850 ft. of 6-in. casing; reported that bedrock was reached; flow diminished gradually. Inspected 15/7/15; flow 175,500 g. p. d.; temp., 110° F.; water excellent; green fungus at bore and in drains; a trace of gas in flow.
6. Principal water bed at 800 ft.; original flow not known; lined with 800 ft. of 6-in. casing; measured flow 31/12/02=230,000 g. p. d.; temp., 109° F.; flow diminished gradually. Inspected 19/7/15; flow varied from 115,500 to 128,400 g. p. d.; apparently less over night; water excellent; temp., 108° F.; slight trace of gas in flow; casing in fair condition.

7. Flow at 870 ft., then increases to 950 ft., reported that bedrock was reached; lined with 870 ft. of 6-in. casing; measured flow, 9/12/02=756,300 g. p. d.; flow diminished gradually. Inspected 4/8/15; flow, 411,400 g. p. d.; temp., 120° F.; water excellent; a trace of gas in flow; casing sound.
 8. Original estimated flow, 1,160,000 g. p. d.; flow as measured at intervals by owners—December, 1902=812,400 g. p. d.; January, 1905=784,000 g. p. d.; February, 1908=729,400 g. p. d.; April, 1911=537,200 g. p. d.; and in 1914=474,500 g. p. d. Inspected 23/7/14; flow, 366,200 g. p. d.; temp., 120° F.; bore determined in granite, cased with 760 ft. of 6-in. casing only, which is considerably deteriorated; a little gas present in flow.
 9. Water bed from 1,043 ft. to 1,170 ft., bottom on bedrock; bore lined with 1,043 ft. of 6-in. casing. Flow by owner in December, 1902=454,500 g. p. d.; and in October, 1914=314,500 g. p. d. Inspected 22/2/15; flow, 292,900 g. p. d.
 10. No boring records; bore lined to 945 ft. with 6-in. casing; measured flow in December, 1902=270,000 g. p. d.; temp., 121° F.; flow decreased gradually. Inspected 5/8/15; flow, 142,000 g. p. d.; temp., 119° F.; good drinking water; a trace of gas in flow; casing sound.
 11. Waterbed below 870 ft. (130 ft. of sandrock); bottom in 54 ft. of conglomerate and pipeclay; said to have reached bedrock; lined with 889 ft. of 6-in. casing; original measured flow on 30/10/05=454,500 g. p. d.; temp., 119° F.; flow diminished gradually. Inspected 14/7/15; flow, 187,800 g. p. d.; temp., 117.5°; water good; a trace of gas; casing apparently sound; submerged in pool.
 12. Flow at 978 ft. in 103 ft. of sandstone and clay; bottom in solid granite, after passing 16 ft. of rotten granite; bore cased to sandrock with 978 ft. of 6-in. casing; measured original flow, 99,400 g. p. d.; flow decreased gradually. Inspected 12/8/15; flow, 71,900 g. p. d.; temp., 118° F.; water very good, with a trace of gas; casing in very good order.
 13. Slightly brackish soak at 335 ft.; artesian flow at 837 ft. and 850 ft. in sandstone; bottom in 155 ft. of black sand; bore lined with 18 ft. of 10-in., 92 ft. of 8-in., and 838 ft. of 6-in. casing; see Lic. 109; measured flow at completion 256,300 g. p. d.; flow diminished gradually. Inspected 31/7/15; flow, 206,300 g. p. d.; estimated static head from partial test=79 ft.; temp., 114.5° F.; water excellent; very slight trace of gas; casing in good condition.
 14. Soak of brackish water at 200 ft. and 247 ft.; flow at 987 ft. in 50 ft. of sandstone and bands of coal; bottom on ? granite; bore lined with 261 ft. of 8-in. and 999 ft. of 6-in. casing; see Lic. 255; original measured flow, 299,300 g. p. d. Inspected 10/8/15; flow, 219,500 g. p. d.; temp., 120° F.; calculated head from partial test about 139 ft. (leakage below); water excellent, with a trace of gas in flow.
 15. Original flow, 85,000 g. p. d. at 1,092 ft. in 98 ft. of sandstone; bottom in 6 ft. of red granite; bore lined with 275 ft. of 8-in. and 1,100 ft. of 6-in. casing; see Lic. 278. Inspected 7/8/15; flow, 85,000 g. p. d.; temp., 128° F.; estimated static head from partial test over 140 ft.; water excellent, with a trace of gas.
 16. Soak at 130 ft.; flow at 600 ft., main flow at 635 ft., total flow 123,700 g. p. d. (about 1½ in. over casing); bottom in grey rock; lined with 206 ft. of 8-in. and 800 ft. of 6-in. casing; see Lic. 303.
- Rundle's (Julia Creek Resumption)—Struck small flows at 863 ft. and at 877 ft.; more water at 975 ft., and at 1,042 ft. to 1,063 ft.; flow, 207,400 g. p. d.; bottom in 37 ft. of quartz; lined with 95 ft. of 8-in. and 868 ft. of 6-in. casing; see Lic. 25.

Hopkin's Eddington Resumption—

1. No data.
2. No boring records, original flow 3 in. over 6-in. casing; bottom in bedrock; bore lined with 800 ft. of 6-in. casing. Inspected 12/7/15; flow, 75,100 g. p. d.; temp., 124° F.; good drinking water, with a trace of gas; casing in fair order.

Leilavale Resumption—

1. Flow from original depth of 400 ft. about 80,000 g. p. d.; bore deepened in October, 1914, to 645 ft., and flow increased to about 160,000 g. p. d. in 113 ft. of sandstone at bottom; said to have reached bedrock; bore lined with 539 ft. of 5-in. casing; see Lic. 181. Inspected 15/4/15; flow, 152,000 g. p. d.; temp., 104° F.; excellent drinking water; a trace of gas in flow.
2. Met with 22 ft. of (?) kerosene shale below 160 ft.; soak of salt water at 182 ft.; flow of about 10,000 g. p. d. below 634 ft. in white sandstone; bottom in 6 ft. of black rock (? diorite); bore lined with 228 ft. of 8-in. and (?) ft. of 6-in. casing; see Lic. 179. Inspected 12/4/15; flow, 7,500 g. p. d.; temp., 104° F.; good average potable water; a trace of gas in flow. Reinspected 20/7/15; flow, 7,100 g. p. d.; static head, 12 ft. to (?) 20 ft.; some leakage during static test of seventeen minutes between casings; temp., 104.5° F.; a trace of gas.

3. Met with 50 ft. of (?) kerosene shale below 189 ft.; large soak of fresh water at 416 ft. (not cased off); flow of about 500,000 g. p. d. at 530 ft. in 60 ft. of sandrock; said to have bottomed bedrock; bore lined with 196 ft. of 8-in. and 536 ft. of 6-in. casing; see Lic. 180. Inspected 13/4/15; flow, 200,300 g. p. d.; temp., 104° F.; excellent drinking water; a trace of gas in flow. Reinspected 21/7/15; yield evidently fluctuating; flow at 7 a.m.=187,000 g. p. d. and at 5 p.m. 200,000 g. p. d.; static head, 39 ft to 53 ft.; leakage of about 2,000 g. p. d. during static test lasting sixty-four minutes, but ceased again soon after reopening the bore; temp., 104.5° F.; a trace of gas in flow.

Lagaven (Eddington Resumption)—

1. Original estimated flow, 120,000 g. p. d.; strata said to be practically the same as that of Lagaven No. 2 bore; bottom in granite; bore lined to sandrock with 6-in. casing. Inspected 23/3/15; flow, 68,850 g. p. d.; temp., 114° F.; continuous stream of small gas bubbles in flow; large amount of green fungus at borehead; good drinking water.
2. Original estimated flow, 25,000 g. p. d. at 861 ft. in 24 ft. of sandstone; bottom said to be on diorite; bore lined with 92 ft. of 10-in., 350 ft. of 8-in., and 861 ft. of 6-in. casing. Inspected 19/3/15; flow, 25,000 g. p. d.; temp., 113° F.; large leakage observed outside 8-in. casing under partial closure; depth reported as 976 ft. and bottom said to be in blacklead; good drinking water; a trace of gas present.

Kamarooka—

1. No boring records; original flow, 26 in. over casing; stated that three weeks after completion the flow dropped to 2 in. over casing in a single night; bore evidently caved in; obstructions at 500 ft. and 742 ft.; bore lined with 600 ft. to 700 ft. of 6-in. casing. Inspected 5/7/15; flow, 97,000 g. p. d.; temp., 124.5° F.; a little gas in flow; red oxide on outside of casing and in bore drains; temp. at 500 ft. below surface, 126.5° F.
2. Formerly Hueloa Selection—Original estimated flow, 400,000 g. p. d.; temp., 133° F.; no boring records; bore lined with some 6-in. casing. Inspected 3/7/15; flow, 157,600 g. p. d.; temp., 127.5° F.; the shale laminae tend to adhere to inside of casing and are continuously ejected; there is evidently an obstruction at 500 ft.; water excellent; a trace of gas in flow.

285. Elderslie Lease—

1. Original estimated flow, 275,000 g. p. d.; temp., 198° F. Inspected 23/5/11; flow estimated at not above 100,000 g. p. d.; about half of the quantity of water is issuing from the outside of the casing; 8-in. and 5-in. casing only visible; 6-in. casing broken off 800 ft. below surface; about 1,100 ft. of cable and a string of tools left in bore; met with driftsand; gas issuing. Reinspected 5/2/13; flow, 60,000 g. p. d.; temp., 196° F.; deposit of red iron oxide in bore drains; no incrustation; small bubbles of non-inflammable gas continually rising; no flow outside casing perceptible; outlet 1 ft. above surface. Reinspected 2/11/14; flow, 57,500 g. p. d.; temp., 195° F.; casing apparently in good condition, though iron oxide in drains; water unpalatable, but said to be steadily improving; a considerable quantity of gas present; estimated initial static head, 26 ft.
2. Original estimated flow, 1,415,000 g. p. d.; temp., 202° F. It is claimed that this is the largest flow from such a great depth, and the hottest bore water in Queensland. The bore has a string of 6-in. casing to a depth of 4,000 ft. Inspected 24/5/11; flow estimated at about 900,000 g. p. d. Reinspected 4/2/13; flow, 630,000 g. p. d.; temp., 211° F. Extremely heavy incrustation at borehead, stated that the incrustation near borehead amounts to about ½ in. per month; no gas perceptible. Reinspected 1/11/14; flow, 521,800 g. p. d.; temp., 210° F.; considerable deterioration of casing is apparent at surface; temperature from below 60 ft. to 200 ft.=212° F.
3. Original estimated flow, 720,000 g. p. d., and estimated flow in 1907=680,000 g. p. d. Inspected 8/12/10; coating of rust near borehead; 54 ft. of tools left in bore; sub-artesian supply at 1,980 ft. rose to 40 ft. Reinspected 31/1/13; flow, 340,300 g. p. d.; temp., 171° F.; top of casing submerged in pool; large deposit of red iron oxide in bore drain, and large quantities of non-inflammable gas in flow. Reinspected 11/11/15; flow, 252,500 g. p. d.; temp., 169.5° F.; iron rust in drains.

Three shallow test-bores were sunk in January, 1907, on Elderslie, one bore yielding a pumping supply of 1,500 g. p. d.; another of 700 g. p. d.; and a third a mere soakage.

4. Inspected 13/5/13; soakage at 195 ft.; second supply between 270 ft. and 303 ft.; lined with 6-in. casing throughout; fair stock water; W.L., 141 ft. below surface.
5. Water at 352 ft., 509 ft., 828 ft., and 930 ft.; lined with 932 ft. of 6-in. casing; fair stock water.

6. Inspected 2/11/14; water at 290 ft., 348 ft., 509 ft., 520 ft., and 967 ft.; lined to 900 ft. with 6-in. casing; flakes of iron oxide at W.L.; temperature of water at 500 ft. = 95° F.; fair stock water, but somewhat brackish; W.L., 184 ft. below surface.
7. Inspected May, 1913; water at 297 ft., 334 ft., and 515 ft.; lined to 530 ft., with 6-in. casing; good stock water (alkaline).
8. Water at 380 ft. and 476 ft.; lined to bottom with 6-in. casing; stock water.
9. Water at 340 ft. and 528 ft.; lined to bottom with 6-in. casing.
10. Inspected 14/11/14; water at 488 ft. (no data below 501 ft.); coal seam, 2 ft. thick between 330 ft. and 400 ft.; lined to 923 ft., with 6-in. casing; fair stock water; slightly brackish.
11. Water at 330 ft., 558 ft., and 574 ft.; coal and shale from 380 ft. to 408 ft.; lined throughout with 6-in. casing; fair stock water.
12. Pumping supply estimated at 6,000 g. p. d.; lined to 527 ft., with 6-in. casing; pump placed at 420 ft., stock water.
13. Water at 250 ft. and 325 ft.; no other supply below 325 ft.; lined to 1,117 with 6-in. casing; pump placed 350 ft.; good stock water.
14. Water at 370 ft. and 1,109 ft.; shale and coal from 370 ft. to 1,005 ft.; lined throughout with 6-in. casing; good stock water.
15. Water at 750 ft. and 1,096 ft.; lined to 1,064 ft. with 6-in. casing; good stock water; W.L., 421 ft. below surface.
16. Water at 640 ft., 925 ft., and 1,017 ft.; lined to 1,004 ft. with 6-in. casing; stock water.
- H. O. Williams, Elderslie Resumption—**
1. Lined with 6-in. casing; small soakages at 183 ft. and 205 ft.; further supplies at 403 ft., 415 ft., and 554 ft.; W.L., 170 ft. below surface.
2. A shaft to 339 ft., bored to 526 ft.; W.L., 160 ft. below surface.
3. Lined with 250 ft. of 6-in. casing; W.L., 110 ft. below surface.
- Markwell's—In progress.**
- 286. Elmina Lease—**
- 1a or "Jubilee; see Boatman No. 4 (joint bore).
1. Flow, 80 in. over 6-in. casing when water was tapped between 860 ft. and 809 ft., but diminished to 24 in. within a few weeks, and stood at about 13 in. for six months; bore lined with about 800 ft. of 6-in. casing. Inspected 6/3/14; flow, 309,670 g. p. d.; static head, 26.5 ft. to 31.1 ft.; temp., 96° F.; fair quantity of gas after static test of 1 hour 20 minutes. Reinspected 5/4/15; flow over swivel, 263,400 g. p. d.; outlet lowered by removing swivel; flow, 280,000 g. p. d.; no static test; temp., 96° F.; casing coated with green fungus and badly corroded.
2. Bore sunk about 20 ft. south of No. 1 bore; upper flow at 680 ft. cased off; lined to about 1,400 ft. with 6-in. casing; original flow, 6.5 ft. over 6-in. casing. Inspected 6/3/14; flow, 1,115,300 g. p. d.; static head, 117 ft. to 129 ft.; temp., 109° F.; some gas after pressure test of 1 hour 20 minutes duration. Reinspected 5/4/15; flow, 1,036,200 g. p. d.; temp., 109° F.; no static test; flow over casing fell from 38 in. to 34 in. after removing fungus inside top of casing; clamps and casing coated with incrustation.
3. Original flow measured by owner, 1,544,100 g. p. d.; jet over 7 in. to 6 in. reducing piece, 8 ft. 2 in.; bore lined to about 1,400 ft. with 7-in. casing; 6-in. borehole below 1,400 ft. uncased. Inspected 12/3/14; flow, 1,205,200 g. p. d.; static head, 157 ft. to 162 ft.; temp., 113° F.; high percentage of gas after static test of 1 hour; flow utilised to drive pelton wheel for shearing shed, and also for irrigation on a small scale. Reinspected 5/4/15; flow, 1,178,000 g. p. d.; temp., 113° F.; no static test.
- 287. Elverston Lease—Original reputed flow, 2,000,000 g. p. d.; temp. (?) 106° F. Inspected 26/2/14; flow, 761,100 g. p. d.; static head, 90 ft. to 95.3 ft.; temp., 111° F.; very little gas in flow. Reinspected 9/4/15; flow, 706,100 g. p. d.; temp., 111° F.; no static test; casing apparently in good order.**
- 288. Erne Resumption—**
1. Water at 75 ft. rose to 64 ft., at 365 ft. to 20 ft., and at 1,000 ft. to 16 ft. below surface; lined with 1,077 ft. of 5-in. casing. Inspected 27/7/11; pumping supply about 30,000 g. p. d.
2. Water at 162 ft. rose to 130 ft., and at 560 ft. to 90 ft. below surface; lined with 631 ft. of 5-in. casing. Inspected 2/8/11; fair pumping supply.
- Allendale—Water at about 500 ft. rose to about 100 ft. below surface; flow of 2,100 g. p. d. at 980 ft. Inspected 4/8/11; flow filled some natural depressions.**
- Crichton Lease—Flow near bottom; original flow not known; lined with 20 ft. of 8-in., 200 ft. of 6-in., and 1,100 ft. of 5-in. casing; see Permit 25. Inspected 23/3/14; flow, 134,600 g. p. d.**
- 289. Esk District, E. Broad's—A seam of coal between 30 ft. and 40 ft.; good quality (newspaper report).**
- 290. Etona Group—**
1. Met with very salt water at 262 ft.; slightly brackish at 342 ft.; soft and fresh at 373 ft.; rose to 120 ft. from surface; bottom in sand; bore lined with 328 ft. of (?) casing; supply tested to 16,800 g. p. d.
2. First supply at 293 ft.; second at about 320 ft., rose to within 87 ft. of surface; tested to 21,370 g. p. d.; water fresh and soft; bottom in shale; bore lined with 369 ft. of (?) casing.
3. First soakage at 150 ft.; lower supply rose to 124 ft.; supply tested to 15,000 g. p. d.; bore cased to bottom; bottom in solid rock.
4. Soakage at 150 ft.; lower supply rose to 95 ft. from surface; tested to 23,000 g. p. d.; bore lined to bottom.
5. First soak at 32 ft., bitter and salt; main supply at 426 ft. rose to within 144 ft.; bore lined to bottom. Inspected 1/12/15; normal W.L. above 200 ft.
6. First soak at 220 ft. (salt); main supply at 720 ft. rose to within 200 ft.; tested to 20,000 g. p. d.; good stock water.
7. One supply only at 740.5 ft.; rose to within 230 ft.; W.L. fell 16 ft. under test.
- 291. Eton Vale and Harrow—Sites selected by divining rod; the trial bore met river silt at 40 ft., 18 ft. thick (subterranean river bed).**
- 292. Eululo Lease, East Group—**
1. Original flow, 19 in. over 5-in. casing; good soakage at 810 ft.; first flow at 1,220 ft., and main flow at about 1,400 ft. in pink sandstone; bore lined to 1,164 ft. with 5-in. casing; completed on 17/6/92. Inspected 16/7/96; flow, 540,000 g. p. d.; static head, 106 ft. to 123 ft.; temp., 138° F. Reinspected 3/12/14; flow, 18,700 g. p. d.; temp., 133° F.; casing at surface very badly corroded; practically no incrustation; gas in flow; water remains milky for some seconds; variation of temperature of flow in relation to depth—at 5 ft., 134° F.; at 250 ft., 136° F.; at 500 ft., 136.7° F.; and at 850 ft., 138° F.; ceased to flow in April, 1915; W.L. on 22/4/15 about 5 ft. below surface; deepened in June, 1915, by 20 ft.; W.L. 3 ft. below surface; 100 ft. of 5-in. casing withdrawn on top, and recased with 102 ft. of 8-in. casing; see Lic. 284.
2. Original estimated flow, 407,000 g. p. d.; flow of about 30,000 g. p. d. at 1,040 ft., and main flow at 1,056 ft.; bore lined with 837 ft. of 6-in. casing; bottom in granite. Inspected 8/7/96; flow, 388,600 g. p. d.; static head, 113 ft. to 170 ft.; temp., 135° F.; the normal leak of 55,000 g. p. d. outside of casing increased to over 61,000 g. p. d. during the static test lasting 14½ hours. Reinspected 15/12/14; flow, 129,000 g. p. d.; temp., 134° F.; casing at surface very badly corroded; very slight white deposit and a very small quantity of gas in flow; excellent drinking water; temperature of water at 1,000 ft. below surface = 138° F.
3. Original flow, 19 in. over 5-in. casing; flow between 1,280 ft. and 1,340 ft.; bore lined with 1,350 ft. of 5-in. casing; 6-in. casing withdrawn; dry quartzose rock from 1,340 ft. to 1,874 ft.; no hard bottom. Inspected 24/8/96; flow, 431,000 g. p. d.; static head, 148 ft. to 195 ft.; temp., 145.5° F.; small leakage under pressure outside of casing. Reinspected 14/11/14; flow, 160,000 g. p. d.; temp., 147° F.; casing at surface appears to be sound; excellent drinking water; a trace of white incrustation; very little oxide in bore drain; a trace of gas in flow.
4. Original estimated flow, 250,000 g. p. d.; estimated flow in 1907 = 235,000 g. p. d.; temp., 123° F. Inspected 28/11/14; flow, 20,200 g. p. d.; cased with 94 ft. of 5-in. casing and 1,071 ft. of 6-in. casing; water almost like rain water; very slight deterioration on casing; a trace of gas in flow.
5. Original estimated flow, 215,000 g. p. d.; bottom supposed to be in bedrock. Inspected 28/12/14; flow, 71,900 g. p. d.; temp., about 110° F.; slight leak outside casing; lined to bottom with 6-in. casing only; casing at surface in good condition, but there is iron oxide in bore drains; a trace of white incrustation resembling soda; a little gas in flow.
6. Original estimated flow, 255,000 g. p. d.; temp., 128° F.; flows at 1,092 ft. and 1,134 ft.; hard quartzite at bottom; estimated flow 31/12/08 = 120,000 g. p. d. Inspected 15/12/14; flow, 81,600 g. p. d.; temp., 128° F.; lined with 39 ft. of 10-in., 243 ft. of 8-in., and 1,182 ft. of 6-in. casing; casing on top in fair condition; some red iron oxide in drain and black oxide inside of casing, also on clamps.
7. Original estimated flow at 1,350 ft. = 215,000 g. p. d.; at 1,374 ft., 405,000 g. p. d.; at 1,404 ft., 710,000 g. p. d.; and at 1,439 ft., 785,000 g. p. d.; temperature of water, 144° F.; stated to have bottomed bedrock; flow by owner on 31/12/08 = 515,000 g. p. d. Inspected 10/12/14; flow, 293,800 g. p. d.; temp., 143° F.; cased with 6-in. casing only; casing slipped somewhat; wooden supports of clamps broken; red iron oxide abundant in drain; a trace of gas in flow; temperature of water at 500 ft. below surface, 147.7° F.

8. Original flow 5-in. over 6-in. casing; bottom 1.5 ft. in red granite; soak at 820 ft.; first flow at 1,309 ft., and last flow at 1,430 ft. Inspected 3/12/14; flow, 150,000 g. p. d.; temp., 140.75° F.; lined to 1,309 ft. with 6-in. casing; temperature of water at 1,100 ft., 145.5° F.; white incrustation inside casing throughout, especially in lower 200 ft.; a little gas present.
 9. Original flow, 9-in. over 6-in. casing; temp., 126° F.; Flows at 1,147 ft., 1,204 ft., and 1,279 ft.; drilled 9 ft. into granite and quartz; lined to 1,146 ft. with 6-in. casing. Inspected 21/12/14; flow, 273,000 g. p. d.; temp., 124° F.; small leak outside casing; casing on top in fair condition; a trace of white incrustation on horizontal outlet; practically no gas present; red and brown fungus prolific in drains.
 10. Original flow, 223,500 g. p. d.; static head, 104 ft.; temp., 128° F.; no soakage supplies; first flow at 1,073 ft.; thence two increases in 88 ft. of rotten sandrock; bottom in 33 ft. of red rock (? bedrock); lined to sandrock with 1,073 ft. of 6-in. casing. Inspected 19/12/14; flow 85,000 g. p. d.; temp., 127° F.; very large underground leakage (affecting the foundation of all the buildings in the vicinity); water used for wool-scouring and other purposes; very little oxide present.
 11. Original flow, 33,000 g. p. d.; flow at 907 ft. and 947 ft.; bottom in 78 ft. of hard slate; lined to 906 ft. with 6-in. casing; flow diminished gradually, and ceased early in 1914. Inspected 5/1/15; W.L. 1.6 ft. below surface; water not made use of for some months; much soda in water; casing in good order; variation of temperature in bore—at 8 ft., 78° F.; at 75 ft., 80° F.; at 175 ft., 87° F.; at 325 ft. 94° F.; at 500 ft., 104° F.; at 750 ft., 114° F.; and at 950 ft., 123.5° F.
 12. Original flow, 25,700 g. p. d.; soak (slightly brackish) at 301 ft. rose to 100 ft.; flow at 813 ft.; bottom in 61 ft. of black slate; last 10 ft. very hard; lined with 813 ft. of 6-in. casing. Inspected 28/12/14; flow, 13,000 g. p. d. (syphoned); indications of a high static head; temp. about 106° F.; an occasional bubble of gas.
 13. Original flow, 1.75 in. over 6-in. casing; flow at 1,070 ft. and 1,150 ft.; kerosene shale at 680 ft. and 990 ft. (40 ft. and 15 ft. thick, respectively); bottom in hard sandrock; lined with 25 ft. of 10-in., 111 ft. of 8-in., 1,077 ft. of 6-in. casing; see Lic. 14. Inspected 27/11/14; flow, 24,000 g. p. d.; density, 0.995; temp., about 126° F.; very little gas in flow.
 14. Original flow, 140,000 g. p. d.; a little brackish water at 234 ft.; flow at 954 ft.; thence three increases in 40 ft. of sandrock; met with 45 ft. of kerosene shale; bottom in 67 ft. of pipe clay; lined with 970 ft. of 6-in. casing; see Lic. 202. Inspected 23/11/14; flow, 146,700 g. p. d.; temp., 116.5° F.; very slight leak around bore head; some red oxide present.
 15. A little fresh water at 720 ft.; flows at 1,157 ft. to 1,220 ft.; at 1,230 ft. to 1,250 ft.; at 1,270 ft. to 1,300 ft.; at 1,310 ft. to 1,400 ft.; and at 1,420 ft. to 1,450 ft.; total estimated flow, 460,000 g. p. d.; bottom in hard red rock; lined with 305 ft. of 8-in. and 1,190 ft. of 6-in. casing; see Lic. 201.
 16. Flow at 975 ft., 1,018 ft., and at 1,161 ft.; total estimated flow, about 165,000 g. p. d.; bottom in sandstone; lined with 358 ft. of 8 in., 975 ft. of 6-in., and 136 ft. of 5-in. casing; see Lic. 200.
- Water at 1,105 ft. rose to within 2 ft.; flow of $\frac{1}{4}$ in. over casing at 1,135 ft. to 1,140 ft.; main flow at 1,190 ft. to 1,220 ft.; total flow, $\frac{1}{4}$ in. over 6-in. casing; bottom in sandstone; lined with 310 ft. of 8-in. and 1,127 ft. of 6-in. casing; see Lic. 287.

293. Eulolo West Group (formerly named Beaudesert and Strathfield)—

Particulars of bores A to G obtained in July, 1896—

- A. Very salt water at 99 ft. and 187 ft.; abandoned.
- B. A shaft to 143 ft.; bore not lined; borehole filled with mud at bottom of well; main supply from sand drift at bottom rose to 49 ft.
- B (new). Inspected January, 1915; W.L. at 45 ft.; water similar to No. 7 bore; used for domestic purposes.
- C. Very hard rock at 144 ft.; 4-in. casing left in.
- D. A shaft to 82 ft.; main supply of fresh water in sand drift at bottom; double whip used.
- E. In river bed, near No. 8 bore; dry; abandoned.
- F. A slight soakage at 46 ft. in drift; 4-in. casing left in.
- G. In granite; abandoned.
- H. A shaft to 35 ft.; bored 25 ft.; no water from bore; flow exudes from outcrop of artesian against primary rock. Inspected 26/7/96; see table for data.

1. Original estimated flow, 450,000 g. p. d. from near bottom of bore. Inspected 23/7/96; flow, 282,200 g. p. d.; static head, 67 ft. to 138.5 ft.; temp., 113° F.; pressure appears to be greatest at midday; 6-in. casing supposed to extend to 830 ft.; flow estimated in 1908 at 150,000 g. p. d. Reinspected 18/3/15; flow, 100,000 g. p. d.; probable static head about 40 ft.; temp., 112° F.; a leak of about 8,000 g. p. d. is issuing about 10 yards east of the bore; fair drinking water; large soda deposits and some green fungus inside casing; a little gas in flow.

2. Met with solid hard rock from surface to bottom. Inspected 1/8/96; W.L. at 53 ft.; formerly pumped by windmill. Reinspected 18/1/15; W.L. at 74.5 ft.; 6-in. casing at surface in good order; pumping test at the rate of 2,160 g. p. h. from 180 ft. for 7 hours in February, 1911; water potable and contains soda.
3. Original W.L. about 8 ft. below surface; no more water below 200 ft.; hard rock; plugged below 200 ft.; sub-artesian bore converted to artesian by cutting an outlet to creek. Inspected 10/8/95; flow, very small; temp., 81° F. Reinspected 2/2/15; W.L. at 5.2 ft.; bore tested in 1908; no pumping supply in bore.
4. Original flow 13 in. over 6-in. casing; a soak at 700 ft.; main flow at bottom; lined with 837 ft. of 6-in. casing. Inspected 13/8/96; flow, 560,200 g. p. d.; static head, 81 ft. to 108.5 ft.; temp., 115° F. Reinspected 7/1/15; flow, 163,500 g. p. d.; temp., 114° F.; some red oxide in bore drain; a trace of gas in flow.
5. Original estimated flow, 6,000 g. p. d. at 815 ft. in drift; bore lined with 793 ft. of 6-in. casing and 130 ft. of 5-in. casing at bottom. Inspected 11/8/96; flow, 3,935 g. p. d.; static head, 17.3 ft. to 25.5 ft.; temp., 101° F.; bore ceased to flow in 1902. Reinspected 13/1/15; W.L. at 35.2 ft. below surface; temp., 100° F.; casing not visible; reported to be sound; large pumping supply available.
6. Original flow not known; water struck near bottom; lined with 584 ft. of 5-in. casing. Inspected 11/8/96; flow, 511,500 g. p. d.; static head, 38 to 64.6 ft.; temp., 96° F.; leak from outside of casing, 44,900 g. p. d. Reinspected 8/1/15; flow, 115,500 g. p. d.; temp., 95° F.; casing somewhat corroded and nearly choked to a depth of 5 ft. with green fungus; some red iron oxide around bore.
7. Original flow not known; water at 680 ft.; black quicksand between 717 ft. to 720 ft.; thence mica-schist and quartz rock to bottom; lined with 741 ft. of 5-in. casing. Inspected 4/8/96; flow, 7,880 g. p. d. (1 ft. above surface); static head, 7 ft. to 46 ft.; temp., 100° F.; flow by owner on 31/12/08=3,500 g. p. d. Reinspected 28/1/15; flow, 2,400 g. p. d.; temp., 100° F.; casing corroded through at surface, causing a leak of 700 g. p. d.; some gas in flow.
8. Original W.L. 7.75 ft. below top of casing; struck a soak at 100 ft. and a supply between 360 and 400 ft. in drift and white sand; water rose to 60 ft. in a jump; rotten granite at 475 ft., and hard granite at 548 ft.; lined to 483 ft. with 5-in. casing. Inspected 26/7/96; W.L. 8 ft. below surface. Reinspected 30/3/15; W.L. 22 ft. below surface; water not utilised.
9. Original flow, 1 in. over 6-in. casing; struck flow at 240 ft. in drift; bottom in quartz and mica; lined with 48 ft. of 8-in., 150 ft. of 6-in. casing, and 165 ft. of 5-in. casing at bottom. Inspected 26/9/96; flow, 62,580 g. p. d.; static head, 8.1 ft. to 64.6 ft.; temp., 92° F.; flow by owner in June, 1908=16,200 g. p. d. Reinspected 27/3/15; flow, 16,200 g. p. d.; temp., 91.5° F.; a little gas in flow; casing in good order.
10. Original flow from 444 ft. to 534 ft. in sandrock=16,200 g. p. d.; temp., 102° F.; strata below this, quartz and sandstone; bottom in 2 ft. of micaceous gneiss; lined to 56 ft. with 6-in. casing and to 599 ft. with 5-in. casing. Inspected 26/9/96; bore then in progress; depth, 530 ft.; flow from 520 ft., 7,230 g. p. d.; estimated flow 26/6/08=4,320 g. p. d. Reinspected 1/4/15; flow, 1,500 g. p. d.; temp., about 96° F.; circular embankment built around bore; casing submerged; water very purgative.
11. Original estimated flow from 480 ft. to 540 ft. in sandstone, 70,000 g. p. d.; temp., 101° F.; outlet, 10 ft. above surface; bottom in 22 ft. of hard sandstone; bore lined with 582 ft. of 5-in. casing; estimated flow on 31/12/08=27,000 g. p. d. (outlet probably at surface). Inspected 5/4/15; flow, 25,000 g. p. d.; temp., 100° F.; outlet at surface; good drinking water; casing sound.
12. Flow struck in sandrock at 800 ft.; increased to 85,000 g. p. d. at 840 ft.; temp., 118° F.; bottom in 26 ft. of hard rock (? primary); lined with 648 ft. of 6-in. casing; also 265 ft. of 5-in. casing seated at 890 ft. Inspected 25/3/15; flow, 16,000 g. p. d.; temp., 113° F.; a little red oxide and some soda deposits in drain; green fungus inside and outside of casing; good drinking water; a trace of gas in flow.
13. Original flow, 7,000 g. p. d.; flow at 740 ft. in 15 ft. of black sand; strata thence 145 ft. of rotten granite, and bottom in 5 ft. of granite; lined with 765 ft. of 5-in. casing. Inspected 25/1/15; galvanised iron tank placed over bore; flow from overflow, 1,800 g. p. d.; excellent drinking water; considerable amount of gas in flow.
14. Original flow, 6,000 g. p. d.; flow at 797 ft. in sandstone; bottom in 10 ft. of hard rock; lined with 799 ft. of 6-in. casing and 82 ft. of 5-in. casing at bottom: Flow by owner on 31/12/08=2,800 g. p. d. Inspected 28/1/15; galvanised iron tank placed over bore; overflow 5 ft. above surface; flow over overflow, 1,200 g. p. d.; temp. in tank, 88° F.; good drinking water; some gas present.
15. Struck supply below 114 ft. in 15 ft. of sandstone; rose to about 65 ft. below surface; bottom in 14 ft. of quartzite; bore lined to bottom with 6-in. casing.

Inspected 2/4/15; W.L. 66.8 ft. below surface; a shaft sunk to over 70 ft.; fair drinking water; water only used occasionally.

16. Flow at 836 ft.; increased to 32,000 g. p. d. at 860 ft.; water bed consisting of brown sandstone 54 ft. thick; bottom below this in 21 ft. of blue primary rocks; bore lined with 835 ft. of 6-in. casing. Inspected 26/3/15; flow, 27,000 g. p. d.; temp., 113.5° F.; good drinking water; green fungus around borehead; a trace of white flaky incrustation inside casing, and a trace of gas in flow.
 17. Flow struck at 401 ft. in sandstone; volume not known; bottom in 29 ft. of green granite and primary rocks; lined to 401 ft. with 6-in. casing. Inspected 3/4/15; flow evidently very small; bore closed down by a lead cap, which leaks at the rate of 100 g. p. d.; temp., about 102° F.; apparently, also a leak outside of casing; fair drinking water; not utilised.
 18. Surface water from 374 ft. rose above surface; flow at 504 ft. in 20 ft. of sandy shale; also at 544 ft. in 40 ft. of sandstone; total, 27,700 g. p. d.; bottom in 15 ft. of very hard black (?) primary rock; lined to 504 ft. with 6-in. casing. Inspected 6/4/15; approximate flow, 25,000 g. p. d.; temp., 99° F.; good drinking water.
 19. Good supply of very brackish water at 350 ft.; flow at 765 ft. in 7 ft. of drift sand flowing originally 3 in. over 6-in. casing; bottom in 13 ft. of sandstone; lined with 70 ft. of 10-in., 96 ft. of 8-in., and 778 ft. of 6-in. casing; see Lic. 13. Inspected 20/1/15; flow, 99,500 g. p. d.; temp., 111° F.; leak between 10-in. and 6-in. casing about 25,000 g. p. d.; excellent drinking water; much green fungus in bore drain.
 20. Soakage at 70 ft., and supply at 144 ft. to 150 ft. in sandstone; bottom in 6 ft. of grey granite; lined with 66.5 ft. of 8-in. and 175 ft. of 6-in. casing. Inspected 16/1/15; pumping supply over 30,000 g. p. d.; W.L. not stated; pump at 162 ft. below surface; good stock water.
 - 20a. Handbore—No data; dry; bore abandoned.
 21. Original flow not known; very brackish soak in 4 ft. of black sand at 287 ft.; flow in 22 ft. of fine sandstone at 591 ft.; no increase of flow below this in mixed soft sandstone to bottom; lined with 34.5 ft. of 8-in. and 610 ft. of 6-in. casing. Inspected 12/1/15; flow, 2,800 g. p. d.; static head, about 9 ft.; excellent drinking water; a trace of gas in flow.
 22. A very small supply of very brackish water at about 90 ft.; bottom in 2 ft. of sandstone, 7 ft. of pipe clay, 5 ft. of hard rock, and 8 ft. of granite; casing drawn; bore abandoned.
 23. Bottom in 8 ft. of sandstone and 13 ft. of hard rock; no supply; casing drawn.
 24. Met with 80 ft. of oily shale below 300 ft.; struck supply at 550 ft. in 20 ft. of sandstone; bottom in 217 ft. of sand, shale, and pipe clay; bore lined with 99 ft. of 8-in. and 567 ft. of 6-in. casing; stated that supply had been tested to 52,800 g. p. d.; W.L. reported in July, 1914, to be 25 ft. below surface. Inspected 5/2/15; approximate W.L. (?) 18 ft. below surface; good stock water; used in dry time only.
 25. Small supply of fresh water at 80 ft. and 130 ft.; bottom in 66 ft. of hard sandrock; casing drawn; bore abandoned.
 26. Soak at 350 ft.; first flow at 780 ft. in 20 ft. of sandstone; second flow at 860 ft. in 10 ft. of sandstone; total flow, 3 in. over 6-in. casing; met with 250 ft. of oil shale below 300 ft.; bottom in 18 ft. of hard rock; bore lined with 202 ft. of 8-in. and 888 ft. of 6-in. casing; see Lic. 237. Inspected 25/3/15; flow, 47,600 g. p. d.; temp, 114° F.; some soda deposits; good drinking water; a little gas in flow.
 27. Bottom in granite.
 28. Bottom in hard formation.
- Tal-Tal—**
1. Gravel to 30 ft.; shale to bottom; bore lined with 136 ft. of 6-in. casing. Inspected 15/1/15; W.L. at 60.5 ft. below surface.
 2. Small soak at 100 ft. rose to 10 ft.; bottom in 7 ft. of granite; 6-in. casing withdrawn. Inspected in January, 1915; bore abandoned.
- Boorama—**
1. First supply at 122 ft. rose to 38 ft., and second at 135 ft. rose to 35 ft. below surface; bottom in 11 ft. of sandstone; bore lined with 135 ft. of 6-in. casing. Inspected 14/1/15; W.L. at 35.3 ft. below surface; water highly charged with soda and magnesia.
 2. Proposed.
- Percol Plains—**Soakage of salt water at 190 ft.; flow of 9,500 g. p. d. at 600 ft.; bottom in sandstone; lined with 600 ft. of 6-in. casing; see Lic. 293. Inspected 31/1/15; bore then in progress.
- 294. Eureka Station—**
1. W.L. before deepening 40 ft. below surface; no other data known; deepened (January, 1911, to July, 1912) from 1,864 ft. to 3,775 ft.; flow of about 15,000 g. p. d. at 3,121 ft., increasing gradually to 50,000 g. p. d. to bottom; bottom in grey shale; lined with 50 ft. of 6-in. and 3,088 ft. of 5-in. casing; see Lic. 10.

2. Original flow about 100,000 g. p. d.; depth, 2,738 ft.; see Lic. 10.

295. Eversfield—No boring records. Inspected 1/2/16; W.L. at 70 ft.; water good.

296. Evesham Lease (deep bores)—

1. Original estimated flow, 185,000 g. p. d. Inspected 1/1/13; flow, 99,000 g. p. d.; temp., 190.5° F.; tools lost in bore; small deposit of red iron oxide in bore drain; large quantities of gas present, with a strong smell of kerosene, probably inflammable; water issues in pulsations.

2. Inspected 1/1/13; bore in progress; depth, 3,700 ft.; flow, 5,000 g. p. d.; met with brackish water at 450 ft., which rose to 160 ft.; small supply at 3,151 ft., rose to within 160 ft., and at 3,275 ft. to 60 ft. below surface; flow at 3,400 ft. about 1,000 g. p. d., at 3,428 ft. 5,000 g. p. d., at 4,030 ft. 10,000 g. p. d., and at 4,260 ft. about 100,000 g. p. d.; measured flow on completion, 59,000 g. p. d.; bottom in 32 ft. of (?) rock; bore lined with 94 ft. of 8-in., 2,385 ft. of 6-in., 3,872 ft. of 5-in., and 430 ft. of 4-in. casing; see Notice 4.

Evesham (shallow bores)—Bores Nos. 1 to 10 have been cased with 8-in. casing, bores Nos. 3, 5, 7 have 5-in. casing inside the 8-in. casing.

11. Doghole—No boring records; original depth (December, 1914)=530 ft.; deepened in May, 1915, to 703 ft.; W.L. at 80 ft.; bore lined with 520 ft. of 6-in. and 705 ft. of 5-in. casing. Inspected 14/10/15; water saline; temp., 91° F.

Greysteel—No boring records.

Avery's 1 and 2—Lined with 6-in. casing.

Rimbanda, Evesham Resumption—

1. Creek—No boring records; W.L. at 190 ft.; bore lined with 260 ft. of 6-in. casing. Inspected 15/10/15; water brackish; temp., 84° F.

2. Hill—No boring records; W.L. at (?) 286 ft. (probably depth of pump); bore lined with 493 ft. of 6-in. casing. Inspected 11/10/15; water brackish; temp., 91° F.

297. Evora Lease—

1. Original depth (6/9/90) 2,036 ft.; flow between 1,330 ft. to 2,036 ft. 19,000 g. p. d.; temp., from 1,630 ft., 106° F. Bore deepened 4/8/93 to 25/11/93; estimated flow at 2,280 ft., 140,000 g. p. d., at 2,393 ft. 230,000 g. p. d., and measured flow by owner at 2,398 ft. 385,000 g. p. d.; temp., 125° F.; bore lined with about 50 ft. of 8-in., 1,250 ft. of 6-in., and 1,680 ft. of 5-in. casing. Inspected 28/6/98; flow, 322,000 g. p. d.; outlet 9 ft. above surface; static head, 58.1 ft. to 64 ft.; temp., 127° F.; flow again measured by owner before 8/9/11; flow=184,000 g. p. d.; outlet considerably lowered; bore head removed. Reinspected by leveler 8/9/11; no gaugings made; windmill now used for house supply.

2. Original flow at 1,800 ft. 42,000 g. p. d., and at 2,500 ft. 63,000 g. p. d.; measured flow by owner in September, 1911=36,000 g. p. d.

3. Original estimated flow about 230,000 g. p. d.; measured flow by owner shortly before inspection (11/9/11) =192,000 g. p. d.; bore lined with 5-in. casing.

4. A soak of salt water at 65 ft.; supply of fresh water at 1,040 ft. rose to surface; bottom in pipeclay formation; bore lined with 200 ft. of 10-in., 308 ft. of 8-in., and 1,381 ft. of 6-in. casing; see Permit 8. Inspected 10/3/14; flow, 400 g. p. d.

298. Castleroi, Evora Resumption—

1. Formerly flowing, volume not known. Inspected 6/7/11; short pump lift.

2. Inspected 8/7/11; flow, 33,000 g. p. d.; short bore drain to water-hole.

Stratford No. 1—Reported W.L. in March, 1917=52 ft. below surface; large supply.

Stratford No. 2—Supply at 130 ft. rose to 104 ft.

Wilson's—Data from 4-mile map.

Ryandale Selection—

1. Reported W.L. on 24/3/17=3 ft. below surface.

2. Supply at 200 ft. rose to 70 ft.; reported W.L. on 24/3/17=75 ft. below surface.

3. Struck flow at 600 ft.; reported flow on 25/3/17=12,000 g. p. d.

4. Fresh water at 464 ft. rose to 20 ft. below surface.

5. Good fresh water at 509 ft. rose to 60 ft. below surface.

Tilbury's—Struck water at 350 ft. and 970 ft.

Westhill—Inspected July, 1911; site only fixed. Stated that no additional flow was tapped after 1,100 ft.

Milroy—Large supply of fresh water at 568 ft. rose to 68 ft. below surface.

299. Fairlight Resumption—

1. Original W.L., 7 ft. below surface; pumping supply 57,600 g. p. d.; water from 160 ft. rose to 60 ft., and from 440 ft. to 7 ft. below surface; tools fast in bore; lined with 300 ft. of (?) 4-in. casing. Inspected 24/5/12; W.L., 17 ft. below surface; small hand pump only used.

2. Original estimated flow, 700,000 g. p. d.; first water at 160 ft. Inspected 24/5/12; estimated flow, 140,000 g. p. d.; temp., 94° F.; top of 6-in. casing 2.5 ft. below surface; visible casing in pool very badly corroded.
 3. Original estimated flow, 275,000 g. p. d.; flows at 600 ft. and 1,050 ft.; lined to 600 ft. with 6-in. casing, thence with 5-in. casing to bottom. Inspected 24/5/12; estimated flow, 140,000 g. p. d.; temp., 97° F.; casing at surface completely corroded away.
 4. Inspected 23/9/14; estimated flow, 95,000 g. p. d.; slight leak between 8-in. and 6-in. casing; bore ceased to flow at the end of 1915; an attempt was made to clean out this bore in April, 1916, but an iron obstruction was found at 420 ft. (probably a set of tools); see Lic. 326.
- Galway Downs—Inspected 22/9/14; estimated flow, 55,000 g. p. d.; a flow of about 10,000 g. p. d. is issuing between the 8-in. and 6-in. casing.

300. Fernlee Lease—Inspected 27/5/96; flow, 2,082,000 g. p. d.; temp., 123° F.; stated that jet over 6-in. casing gradually increased from 7 ft. 3 in. to 8 ft. 3 in. during the first six months after completion; flow said to be tidal. Reinspected 25/9/12; flow, 1,392,000 g. p. d.; temp., 128° F.; casing submerged; no tidal effect noticed.

301. Flora Downs—Data from I.C.B. Co.

302. Fort Constantine Lease—

1. Water at 265 ft. rose to 100 ft., and at 445 ft. to within 15 ft.; flow at 465 ft. and 600 ft.; main flow at 620 ft.; lined with 100 ft. of 10-in.; 274 ft. of 7-in. and 357 ft. of 5-in. casing. Inspected 16/10/96; flow, 111,620 g. p. d.; static head estimated at 46 ft. to 69 ft.; temp., 103° F.; about 40 cu. ft. p. d. of fire damp. Reinspected 8/3/16; flow, 16,200 g. p. d.; temp., 103° F.; large quantities of fire damp present.
2. Resumed, see Gilmore No. 1 bore.
- 3A and 3B are sunk 17 ft. apart; soak at 75 ft.; flow at 155 ft.; bore A lined with 80 ft. of 8-in. casing, and bore B with 130 ft. of 5-in. casing. Inspected 4/10/96; flow of bore A=26,400 g. p. d.; flow of bore B=7,380 g. p. d.; static head, 8 ft. to 16 ft.; temp., 89° F. Reinspected 6/5/16; bores now known as Wynberg A and B; flow of A bore 960 g. p. d., and of B bore 3,460 g. p. d.
- 4 and 5. adjoin No. 3 bore; flow unsatisfactory, abandoned.
6. Bottom on hard quartzite; abandoned.
7. Water at 80 ft. rose to 15 ft. or 20 ft.; bottom in hard rock, like granite. Inspected 17/10/96; bore collapsed. Reinspected 21/2/16; well sunk to 80 ft. in place of bore; W.L. at 31 ft.; good stock water.
8. Flow at 575 ft., 850 ft., and 870 ft.; bottom in very hard rock; lined with 455 ft. of 5-in. casing. Inspected 17/10/96; flow, 71,650 g. p. d.; static head, 14 ft. to 82 ft.; temp., 110° F. Reinspected 10/3/16; flow, 45,000 g. p. d.; temp., 109° F.; large quantities of fire damp in flow.
9. Soak at 398 ft.; main flow at 895 ft.; more water at 935 ft.; bottom in quartzite; lined with 5-in. casing. Inspected 8/10/96; flow, 16,320 g. p. d.; tools lost in bore; flow diminished gradually and ceased in 1914. Reinspected 22/2/16; W.L. at 17 ft.; good drinking water.
10. No data.
11. No data.
12. No boring records; lined with 6-in. casing. Inspected 30/3/16; flow, 250,000 g. p. d.; temp., 108° F.; a little gas; good drinking water.
13. No. boring records; original estimated flow, 350,000 g. p. d.; casing submerged. Inspected 1/3/16; flow, 217,600 g. p. d.; temp., 122° F.; excellent drinking water; large quantities of gas.
14. No record; abandoned.
15. Struck flow at 470 ft. to 478 ft.; lined with 493 ft. of 6-in. casing; bottom in (?)diorite. Inspected 4/3/16; flow, 7,900 g. p. d.; temp., 104° F.; large quantities of gas in flow; water excellent at borehead, but poor in drain.
16. Supply at 445 ft.; flow at 535 ft. and 575 ft.; bottom in flinty rocks; lined with 580 ft. of 6-in. casing. Inspected 4/3/16; flow, 38,000 g. p. d.; temp., 110.5° F.; large quantities of gas in flow; excellent drinking water.
17. Soak at 50 ft.; supply at 490 ft. rose to within 30 ft.; flow at 661 ft.=51,000 g. p. d.; bottom in quartzite; lined with 706 ft. of 6-in. casing. Inspected 2/3/16; flow, 32,000 g. p. d.; temp., 114° F.; large quantities of gas; excellent drinking water.
18. Very small supply at 1,090 ft. to 1,120 ft. in black sand; rose to within 150 ft.; bottom in 80 ft. of very hard, dark grey rock; bore abandoned.
19. Flow at about 420 ft.; bottom in quartzite; lined with 607 ft. of 6-in. casing. Inspected 8/3/16; flow, 8,640 g. p. d.; temp., 104° F.; some gas present; excellent drinking water.

20. Supply at 110 ft. to 115 ft. in sandstone; rose to 80 ft. below surface; bottom in fairly hard grey rock; lined with 173 ft. of 6-in. casing. Inspected 14/1/16; good drinking water but hard.

21. No data.

22. No data; abandoned.

23. Water at 145 ft.; rose to 63 ft.; bottom in cement (sandstone); lined with 226 ft. of 6-in. casing. Inspected 15/2/16; W.L. at 63 ft.; water good, but hard.

24. Water at 54 ft., 79 ft., and 120 ft.; bottom in apparent porphyry; lined with 258 ft. of 6-in. casing. Inspected 16/2/16; W.L. at 36 ft.; water good.

25. Sunk on the edge of a large swamp; gravel beds from 10 ft. to 56 ft.; thence shale to bottom; lined with 141 ft. of 6-in. casing. Inspected 16/2/16; W.L. at 46 ft.; water good.

26. Supply at 134 ft. to 200 ft., and at 330 ft. to 357 ft.; bottom on rock; lined with 359 ft. of 6-in. casing. Inspected 12/2/16; W.L. at 70 ft.; water good.

27. Supply at 145 ft., in sandstone and at 201 ft. under a seam of quartz; bottom in black slate with seams of flint; lined with 283 ft. of 6-in. casing. Inspected 6/3/16; W.L. at 45 ft.; water good.

28. Water in sand and gravel to 87 ft., shale and pipeclay to bottom; W.L. various with underground stream in riverbed; lined with 6 ft. of 10-in. and 87 ft. of 6-in. casing. Inspected 8/6/16; W.L., 35 ft. below surface; excellent drinking water.

29. Small supply at 88 ft. in driftsand and gravel; good supply at about 225 ft. in 25 ft. of black sandstone; bottom in 3 ft. of hard rock; lined with 203 ft. of 6-in. casing; W.L. in September, 1915=84.2 ft. below surface. Inspected 6/6/16; W.L., 40.2 ft. below surface; water good.

30. Bottom in 10 ft. of hard rock. Inspected 2/6/16; bore abandoned on account of small supply.

Homestead Well—Inspected June, 1916; underground river soakage; water of excellent quality.

Three-mile Well—On bank of Cloncurry River; underground stream; water good.

Eight-mile Well—On bank of Cloncurry River; similar to three-mile well, but water of better quality.

Upper Tommy Well—Inspected 1/6/16; W.L. at 58 ft.; water of fair quality.

Middle Tommy Well—Inspected 5/6/16; W.L. at 71.5 ft.; water slightly brackish. Another abandoned well, 8 chains west-north-west of this well, met with a small supply.

Lower Tommy Well—Inspected 5/6/16; W.L. at 68 ft., and of excellent quality.

Top Corella Well—An underground stream of Corella River.

Middle Corella Well—Similar to Top Corella Well.

Lower Corella Well—Inspected 12/6/16; W.L. at 41.7 ft.; an underground stream of good water.

303. Arrolla Downs, Fort Constantine Resumption—

1. Struck supply at 280 ft. above 20 ft. of sand and shale; original W.L. not known; bottom supposed to be on diorite; bore lined with 300 ft. of 5-in. casing (not seated). Inspected 22/4/15; W.L. 48.4 ft. below surface; good drinking water; casing in good order.
2. Small flow struck at 510 ft. in 10 ft. of sandstone; bottom in 3 ft. of granite; bore lined to bottom with 5-in. casing; yield diminished gradually and ceased to flow (date not known). Inspected 26/4/15; W.L. 0.3 ft. below surface; good drinking water.
3. First water struck at 375 ft. in 25 ft. of sandstone (not stated if flowing); a flow at 455 ft. in 5 ft. of sandstone; original yield not known; bottom probably in bedrock; bore lined with 400 ft. of 6-in. casing (not seated). Inspected 27/4/15; flow, 2,400 g. p. d.; temp., 94° F.; excellent drinking water; a little gas in flow.
4. No sandstone met with; very small flow at 500 ft. between shale and (?) cement; bottom supposed to be on bedrock; cased to bottom with 6-in. casing; charges of gelignite exploded near bottom, but did not increase the yield. Inspected 29/4/15; flow, 95 g. p. d.; temp., about 79° F.; very poor pumping supply; excellent drinking water; much green fungus at bore.
5. Struck supply at 420 ft. in sandstone; original W.L. not known; bottom in 33 ft. of (?) cement and quartzites (?bedrock); bore lined to bottom with 6-in. casing. Inspected 24/4/15; W.L. 5.8 ft. below surface; good drinking water.
6. Struck supply at 375 ft. in 25 ft. of sandstone; original W.L. not known; bottom probably on bedrock; bore lined with 375 ft. of 6-in. casing (seated). Inspected 23/4/15; W.L. 67.9 ft. below surface; temp., about 87° F.; good stock water; some white incrustation (soda and salt), and much green fungus on bottom of tank.
7. Water struck at 355 ft.; below 50 ft. of sandstone; original W.L. not known; bottom on granite; bore lined to bottom with 6-in. casing. Inspected 23/4/15; W.L. 60 ft. below surface; good stock water; some fungus in tank.

8. Struck flow at 600 ft. in 20 ft. of sandstone; original yield not known; bedrock probably reached; bore lined with 450 ft. of 5-in. casing; also 158 ft. of 4-in. casing at bottom. Inspected 17/4/15; flow, 4,600 g. p. d.; outlet, 9 ft. above surface; temp., 91° F.; good drinking water; slightly corrosive; a trace of gas in flow.
9. Struck flow below 650 ft. in 22 ft. of sandstone and sand; original yield not known; bedrock probably reached; bore lined with about 650 ft. of 6-in. casing. Inspected 19/4/15; flow, 33,000 g. p. d.; temp., 102° F.; good drinking water; some gas in flow; casing slightly corroded, and some red oxide under stream.

Levuka, Fort Constantine Resumption—

1. Struck water at 245 ft. below 15 ft. of sandstone; original W.L. not known; bottom on granite; bore lined with (?) ft. of 6-in. casing (not seated). Inspected 30/4/15; W.L. 47.8 ft. below surface; excellent drinking water; some white incrustation.
2. Water struck at 92 ft. below 11 ft. of sandstone; original W.L. not known; indications of granite near bottom; bore lined with 85 ft. of 6-in. casing (not seated). Inspected 30/4/15; W.L. 60 ft. below surface; very excellent drinking water; some green fungus at bore.

304. Railview, Fort Constantine Resumption—

1. Bottom in (?) bedrock; lined with 6-in. casing. Inspected 26/4/16; W.L. at 55 ft.; good stock water.
2. Bottom in very hard rock; water bed at 70 ft. Inspected 3/5/16; W.L. at 28.4 ft.; good stock water.
3. Small supply of salt water; casing drawn; abandoned.
4. Water at about 70 ft.; lined with 70 ft. of 6-in. casing. Inspected 4/5/16; W.L. at 33 ft.; good stock water.

Balacava—

1. A large soakage of excellent soft water at 80 ft. which rose to within 15 ft. is cased off; very small flow at 376 ft.; bottom in hard blue rock (? diorite); lined with 376 ft. of 6-in. casing. Inspected 21/4/16; stated that small flow ceased in 1915; auxiliary engine installed; excellent drinking water.
2. Lined with 6-in. casing. Inspected 4/5/16; W.L. at 26.8 ft.; good stock water.
3. Soak at 90 ft. rose to within 45 ft.; lined with 136 ft. of 6-in. casing. Inspected 27/4/16; water corroded casing very badly; water slightly brackish.

Royal—Soak at 90 ft. to 100 ft.; rose to within 7 ft.; flow at 245 ft.; bottom in igneous rock; lined with 6-in. casing. Inspected 4/4/16; flow, 15,000 g. p. d.; static head over 4 ft.; temp., 90° F.; water excellent at outlet, but poor in drains.

Winslade—

1. Waterbed at 540 ft.; lined with 550 ft. of 6-in. casing. Inspected 19/4/16; flow, 28,300 g. p. d.; temp., about 105° F.; good drinking water.
2. Waterbed at 40 ft.; lined with 50 ft. of 6-in. casing. Inspected 19/4/16; W.L. 14.8 ft. below surface; water slightly brackish.
3. Water at 400 ft. rose to 21 ft.; bottom in hard black rock; lined with 460 ft. of 6-in. casing; see Lic. 60. Inspected 19/4/16; pump at 102 ft.; excellent drinking water.

Canal—

1. Original estimated flow, 200,000 g. p. d.; lined with 6-in. casing. Inspected 1/4/16; flow, 38,000 g. p. d.; temp., 96° F.; water good at bore head, but poor in drain; some gas in flow.
2. Water at 270 ft., 400 ft. and 560 ft.; lined with 6-in. casing; bottom in quartzite and diorite; original flow, 16,300 g. p. d. Inspected 3/4/16; flow, 11,000 g. p. d.; temp., 94° F.; water good at outlet, but poor in drain.

Gilmorc—

1. Formerly known as William's (Mayday); soak at 164 ft. and 455 ft.; flow at 595 ft. and 694 ft.; main flow at about 800 ft.; lined with 495 ft. of 5-in. casing; tools lost in bore. Inspected 30/9/96; flow, 157,000 g. p. d.; static head, 82 ft. to 187 ft.; temp., 106° F. Reinspected 14/4/16; flow, 18,700 g. p. d.; temp., about 106° F.; water good at outlet, but bad in present drain.
2. Small soak at 300 ft.; small flow at 380 ft.; main flow at 380 ft. estimated originally at 410,000 g. p. d.; bottom in quartzite and diorite; lined with 380 ft. of 6-in. and about 320 ft. of 5-in. casing. Inspected 11/4/16; flow, 161,400 g. p. d.; temp., about 107° F.; good drinking water.

Fisher's Creek—Water at 35 ft. and 50 ft.; lined with 6-in. casing. Inspected 9/5/16; W.L. at 30 ft.; excellent stock water.

305. Foyle View Group—Hoolah—For strata, &c., see Bore section 299 and Lic. 3; original estimated flow, 310,000 g. p. d.

Woodlands—

1. For strata, &c., see Bore section 301 and Lic. 19; original flow 19 in. over 6-in. casing.

2. Salt water at 290 ft.; good subartesian; supply at 924 ft., flow at 1,680 ft., 1,820 ft., 2,108 ft., 2,308 ft., 2,508 ft., 2,930 ft., and at 3,008 ft. to 3,200 ft.; flowing originally 43 in. over 6-in. casing; temp., 136° F.; bottom in very hard rock; lined with 300 ft. of 8-in. and 3,132 ft. of 6-in. casing; see Lic. 27.

Rocky Lease—

1. Supply at 620 ft. rose to within 200 ft.; small flow at 1,570 ft.; increase at 1,829 ft., 1,905 ft., 2,219 ft. and 2,345 ft.; total flow, 10 in. over 5-in. casing; bottom in sandstone; lined with some 6-in. and 3,245 ft. of 5-in. casing; see Lic. 82.
2. Soak of very salt water at 185 ft.; flow at 990 ft., 1,500 ft., 1,760 ft., 2,225 ft., 2,420 ft., 2,480 ft., 2,600 ft., 2,660 ft., and at 2,850 ft.; total flow, 51 in. over 6-in. casing; bottom in hard rock; lined with 14 ft. of 10-in., 138 ft. of 8-in., and 3,015 ft. of 6-in. casing; see Lic. 76.

Teeswater—Water at 3,318 ft. rose to 170 ft.; at 3,761 ft. to 35 ft.; and at 3,780 ft. to about 2 ft. below surface; small flow at 3,875 ft., and main flow at 4,240 ft.; total, 35,000 g. p. d.; bottom in grey shale; lined with 40 ft. of 10-in., 354 ft. of 8-in., 2,855 ft. of 6-in., 3,151 ft. of 5-in., and 592 ft. of 4-in. casing; see Lic. 90.

306. Geera, or Hamlet Downs—A, B. and C. Inspected 13/10/99; bores abandoned after completion of No. 1 bore.

1. Original flow estimated 985,000 g. p. d.; bore lined with 586 ft. of 6-in. casing. Inspected 13/10/99; depth, 1,060 ft.; flow, 438,200 g. p. d.; static head, 28.8 ft.; temp., 102.5° F.; wooden water wheel employed to drive chaff cutter. Reinspected 19/9/12; flow, 130,000 g. p. d.; temp., 102° F.; outlet, 5 ft. above ground; bore terminated in 20 ft. of bedrock; flow measured by bucket. Stated that flow fell off to about one-half when No. 2 bore struck a flow; also that bore gave off non-inflammable gas after completion, but it gradually diminished.
 2. Inspected 19/9/12; flow, 102,000 g. p. d.; temp., 102° F.; original estimated flow, 880,000 g. p. d.; bore lined with 210 ft. of 6-in. casing; not sunk to bedrock. Stated that there was very little gas issuing after completion.
 3. Inspected 19/9/12; flow, 173,000 g. p. d.; temp., 100° F.; original estimated flow, 590,000 g. p. d.; outlet, 6 in. above surface; main flow at 590 ft.; lined with 500 ft. of 6-in. casing; bore terminated in bedrock; flow measured by bucket; some non-inflammable gas originally.
 4. Inspected 19/9/12; flow, 124,000 g. p. d.; temp., 100° F.; original estimated flow, 485,000 g. p. d.; outlet a few inches above surface; main flow at 600 ft.; bore lined with 500 ft. of 6-in. casing; drilled 8 ft. into bedrock; some non-inflammable gas originally.
- Stated that all the Geera bores diminished in flow to a marked extent during 1903.

307. Glendower Lease—

1. Originally pumped from 102 ft. The sub-artesian supply tapped at 155 ft. suddenly disappeared at 675 ft. After filling up the bore to 600 ft., the water rose again to its original level. Inspected 22/7/12; water not used; bore now on resumed land.
2. W.L. in 1907 at 80 ft. below surface. Inspected 23/7/12; W.L. stated to be 200 ft. below surface; quality of water very brackish.
3. Original W.L. not known. Inspected 26/7/12; W.L. about 150 ft. below surface; quality of water very hard and brackish.
4. Slight soak at 50 ft., struck good water at 290 ft.; rose to 270 ft.; bore lined with 290 ft. of 6-in. casing. Inspected 27/7/12; W.L., 273 ft. below surface; pumping plant not yet installed.

Bores A to D are on resumed land.

A and B—About 20 yards apart; passed through coal beds. Inspected 22/7/12; bores abandoned.

C—Water did not rise when struck. Inspected 21/7/12; W.L. at 517 ft. delivery pipe of pump 4 in. diameter.

D—Water struck at 515 ft. in sandstone did not rise in bore; bore lined with 6-in. casing to bottom. Inspected 22/7/12; good supply available; no pumping plant as yet installed.

308. Glendower Group, near Prairie—

Laurel Vale—Original W.L. not known; bore lined with 8-in. casing. Inspected 20/7/12; W.L. at about 200 ft.; pump at 300 ft. connected to 5-in. casing; water non-corrosive and quite fit for domestic purposes.

Menzies—Water at 304 ft., rose originally to 160 ft.; see Permit 83.

309. Glenroy—No boring records.

310. Tolarno—Goodwood Resumption—Very small flow at 260 ft.; in 1 ft. of sandstone; bottom in limestone; lined to 260 ft. with 6-in. casing; see Lic. 318.

311. Goondiwindi District—North Callandoon—Original estimated flow, 1,760,000 g. p. d.; temp., 112° F. Inspected 2/6/12; flow, 1,080,000 g. p. d. Reinspected 30/6/14; flow, 913,000 g. p. d.

312. Glenormiston—

1. No boring records; W.L., 4 ft. below surface.
2. In progress March, 1910; strong smell of kerosene from bore.
3. No boring records.
4. Salt water at 70 ft.; good water between 289 ft. and 307 ft.; rose to within 145 ft.; water contains 107 grains of salt and 50 grains of other solids per gallon.
- 5 to 13. No data.
14. A small supply at 80 ft.; fair supply at 120 ft.; main supply at 150 ft. in clay and fine gravel; pumping test at 100 ft. for 6½ hours.

313. Gordon Downs—A great number of successful wells have been sunk on this run, and some of them are pumped by windmills.**314. Gowrie Group (Charleville)—**

Gowrie—No boring records; original estimated flow, 680,000 g. p. d.

Millie—No boring records; original flow, 8 in. over casing.

Myall Plains—Some salt water at 109 ft.; water rose to surface at 1,106 ft.; flow at 1,180 ft. 4.5 in. over casing; bottom in black mud; lined with 1,132 ft. of 6-in. casing; see Lic. 88.

Lockwood—No boring records; original estimated flow, 370,000 g. p. d.; lined to first flow with 1,140 ft. of 6-in. casing; also some 8-in. casing. Inspected 26/10/15; flow, 106,300 g. p. d.; temp., 104° F.; considerable flow between casings; casings badly corroded above surface; hydraulic ram installed to supply a tank 2 miles distant; water good.

Combanning—Water at 210 ft., rose to 150 ft., and at 370 ft. to within 50 ft.; flow at 1,300 ft.; lined with 328 ft. of 8-in., and 1,330 ft. of 6-in. casing; bottom in sandstone; flow, 3½ in. over 6-in. casing—about 300,000 g. p. d.; see Lic. 196. Inspected 9/9/14; flow, 200,300 g. p. d.; static head, 30 ft. to 37 ft.; temp., 108° F. Reinspected 25/10/15; flow, 138,000 g. p. d.; static head, 30 ft.; temp., 109° F.; water tastes very strongly of soda.

Wardsdale—Stated that original flow was 11 in. over casing, but fell to 3½ in. after six days; bore lined with 6-in. casing. Inspected 28/10/15; flow, 119,000 g. p. d.; temp., 106° F.; water good, contains some soda.

315. Granada—

1. Formerly called Jackey's Creek. Supply at 510 ft. rose to 20 ft.; met with (?) granite at 610 ft.; lined with 6-in. casing. Inspected 19/6/16; W.L. 24.2 ft. below surface; water brackish, but good stock water. Stated that original depth was about 800 ft. and that the bore silted up to 320 ft. and was cleaned out in 1912 to 690 ft.
2. Passed a surface supply at 80 ft.; water rose to 37 ft.; met with bands of quartz at 900 ft., quicksand at 1,200 ft. to 1,300 ft., and entered into hard, red, sandrock at 1,310 ft., when tools were lost at 1,350 ft., and drilling abandoned; W.L. on completion 41 ft. below surface; lined with 5 in. and 6 in. casing. It is believed that a flow could be obtained by sinking below this red sandrock, as in Canobie No. 3 bore. Inspected 23/6/16; W.L. at 58.5 ft.; water good; stated that bore silted up to about 700 ft. and was cleaned out in 1912 to top of lost tools. Bore formerly called Island.

3. Supply at 396 ft. in sand rose to within 50 ft.; lined to bottom with 6-in. casing. Inspected 16/6/16; grade of supply about 300 gals. per ft.; excellent drinking water.

4A—No supply; abandoned.

4B—Water at 80 ft., rose to 67 ft. below surface; finished in blue shale; abandoned.

5. No data to hand.

6. Met a very small supply at 803 ft. in a few inches of sand; when water was pumped down to 600 ft. it took 24 hours to rise to 300 ft. and several weeks to rise to 120 ft.; bottom in 27 ft. of quartzite; lined to 860 ft. with 6-in. casing. Inspected 21/6/16. Bore will probably be abandoned.

Sandridge Well—Water excellent.

Ebony Well—A well to 57 ft.; bored 67 ft.; bottom in shale; abandoned.

316. Grassmere Lease—

1. No boring records. Inspected 28/12/15; flow, 1,190,000 g. p. d.; temp., 122° F.; 6-in. casing badly corroded at surface.
2. No boring records, lined with 6-in. casing only.

317. Greendale Resumption—

1. Originally a sub-artesian bore; original W.L. about 3 ft. below surface; water drawn off at 15 ft. below surface; flow on 9/3/11=82,150 g. p. d.; temp., 130° F.
2. Struck a small soak at 170 ft.; good supply at 865 ft., rose to 130 ft.; a little water at 1,464 ft.; supply at 1,480 ft. rose to 75 ft., and at 1,500 ft. to 33 ft.; a little more water at 2,225 ft.; flow at 2,400 to 2,436 ft.,

¾ in. over 6-in. casing; flow at 2,670 ft. and 2,712 ft., 1¼ in. over casing; further increases at 2,980 ft., 3,016 ft., and 3,075 ft.; bore lined with 503 ft. of 8-in., 3,336 ft. of 6-in., and 3,881 ft. of 5-in. casing; bore in progress; see Lic. 52.

Gartmore—Supply at 185 ft. rose to 160 ft. at 776 ft. to within 60 ft.; small flow at 1,685 ft., main flow at 2,355 ft., increase at 2,387 ft., and near bottom; determined in pink clay; lined with 518 ft. of 8-in., 2,176 ft. of 6-in. and 265 ft. of 5-in. casing; see Lic. 145. Inspected 7/1/15; estimated flow, 250,000 g. p. d.

318. Green Hills Lease—

1. Main supply at 340 ft.; lined with 245 ft. of 6-in. casing. Inspected 18/5/16; W.L., 140 ft. below surface; water fresh and drinkable.

2. Abandoned; water too salty.

3. Main supply at 200 ft.; lined with 260 ft. of 6-in. casing. Inspected 9/5/16; W.L. at 60 ft.; stock water.

3A. A well to 167 ft. (sunk in 1883); supply, 3,000 g. p. d.; bored to 350 ft. in 1899; supply increased to 4,500 g. p. d.; abandoned, water too salt.

4. Main supply at 200 ft.; lined with 200 ft. of 6-in. casing. Inspected 7/5/16; W.L. at 75 ft.; water brackish.

5. Supply at 160 ft. and 300 ft.; lined with 300 ft. of 6-in. casing; water salty.

6. Main supply at 153 ft.; lined with 150 ft. of 6-in. casing. Inspected 9/5/16; W.L. at 80 ft.; water brackish.

7. First supply at 260 ft.; lined with 220 ft. of 6-in. casing. Inspected 18/5/16; W.L. at 116 ft.; water brackish.

8. Small supply; abandoned.

8A. A well to 240 ft.; supply doubled by boring.

9. Supply at 220 ft. and 312 ft., rose to 115 ft.; lined with 222 ft. of 6-in. casing.

10. First supply at 185 ft.; lined with 114 ft. of 6-in. casing. Inspected 16/5/16; W.L. at 150 ft.; water fresh, with a bitter taste.

11. Supply at 160 ft. and 190 ft. rose to within 124 ft.; lined with one length of 6-in. casing. Inspected 10/5/16; W.L. at 118 ft.; stock water only, not used.

12. No boring record; W.L. at 104 ft.; lined with 276 ft. of 6-in. casing; water good.

Three-mile Well—W.L. in May, 1916=70 ft. below surface.

Hypatia Well—Abandoned; a bore sunk alongside.

319. Luthrie, Green Hill Resumption—

1. No boring records; original depth in 1909=300 ft.; deepened in February, 1915; lined with 140 ft. of 8-in. and 300 ft. of 6-in. casing. Inspected 1/5/16; W.L. at 110 ft.; pump at 170 ft.; water fresh.

2. No boring records; lined with 140 ft. of 8-in. casing; hole crooked. Inspected 6/4/16; W.L. at 152 ft.; water fair.

3. Main supply at about 250 ft.; lined with 280 ft. of 6-in. casing. Inspected 27/4/16; W.L. at 85 ft.; water brackish.

4. Water at 195 ft.; main supply at 340 ft.; lined with 231 ft. of 8-in. casing. Inspected 1/5/16; W.L. at 165 ft.; pump at 201 ft.; water slightly brackish.

Luthrie Wells—Inspected in April, 1915; see table for data. (South Branch well not inspected.)

Maranthona—Small flows at 1,940 ft., 2,080 ft., 2,270 ft., 2,460 ft., and 2,680 ft.; main flow at 2,710 ft. to 2,770 ft.; total estimated flow, 315,700 g. p. d.; bottom in sandrock and pipeclay; bore lined with 503 ft. of 8-in. and 2,790 ft. of 6-in. casing; see Lic. 233. Inspected 11/5/16 and 28/6/16; flow, 251,300 g. p. d.; static head, 13.5 ft. to 33.3 ft.; temp., 154° F.; water very good.

320. Greenmount—Near Warwick Railway; three bores 90 ft. to 130 ft.; pumped; other bores sunk before 1905.**322. Hamilton Downs Lease—**

A and B abandoned; see table for data.

1. Original reputed flow, 365,000 g. p. d.; temp., 160° F. Inspected 25/8/14; flow, 322,300 g. p. d.; temp., 162° F.; heavy ferruginous incrustation around bore fittings and a thin cementitious coating inside the bore casing; a little gas present.

2. Original estimated flow, 940,000 g. p. d.; temp., 168° F.; met with six distinct flows at 2,128 ft., 2,160 ft., 2,430 ft., 2,500 ft., 2,660 ft., and 3,200 ft., respectively; no further increase of flow had been observed below 3,200 ft.; lined with 6-in. and 5-in. casing. Inspected 17/8/14; flow, 130,000 g. p. d.; temp., 170° F.; considerable amount of white incrustation around borehead and ferruginous deposit on bore casing; discharge of gas about one pint per minute. Ceased to flow in September, 1916.

3. Small supply at 180 ft.; flow at 2,386 ft., 2,400 ft., 2,436 ft., 2,685 ft., 2,770 ft., 2,794 ft., 2,816 ft., 2,833 ft., 2,891 ft., 2,935 ft., 2,955 ft., 2,971 ft., and at 3,290 ft.; lined with 101 ft. of 10 in., 333 ft. of 8-in., 2,421 ft. of 6-in., and 3,500 ft. of 5-in. casing; bore in progress; see Lic. 89. Inspected 24/8/14; flow, 336,700 g. p. d.; temp., 159° F.; 5-in. casing has parted at 800 ft.; a little gas present.

Hamilton Downs Resumption—

Belford—Original estimated flow, 1,330,000 g. p. d.; runs 7 miles of bore drains in summer and 14 miles in winter; reported flow in 1907 about 725,000 g. p. d.

Clio—Original estimated flow, 670,000 g. p. d. Inspected 19/7/11; flow estimated at 275,000 g. p. d. Reinspected 18/3/13; flow, 250,000 g. p. d.; temp., 166° F. Bore throws up quantities of coarse red sand; slight white incrustation inside 5-in. casing and a small deposit of iron oxide in bore drains. Reinspected 3/9/14; flow, 195,000 g. p. d.; temp., 166° F.; thin ferruginous incrustation; corrosion very slight.

The Ranch—Inspected 20/8/14; bore in progress; depth of bore 1,774 ft.; flow, 81,600 g. p. d.; static head, 25.4 ft. to 39.2 ft.; temp., 139° F.; first flow at 1,712 ft., increased at 1,744 ft., 1,924 ft., at 1,979 ft. to 1,954 ft., and at 2,060 ft. to 2,120 ft.; total flow, 556,000 g. p. d.; lined with 208 ft. of 8-in. and 1,712 ft. of 6-in. casing; see Lic. 55.

324. Hardington Lease—

A. and B. Trial bores; bores lined with 10-in. casing; stated to have fair pumping supplies in all seasons; probably local soakage from desert sandstone formation.

C. Water struck in a pebbly bed at bottom; said to have stood bailing with a horse whim (8 hours daily) for months continuously. Inspected 12/5/98; water suitable for stock; timbering of shaft has fallen in.

1. Inspected 18/10/13; see table for data; bore lined with 136 ft. of 8-in. casing; water of fair quality.

2. Inspected 17/10/13; see table for data; bore lined with 126 ft. of 8-in. casing; water rather too brackish for stock.

3. Inspected 12/12/13; see table for data; bore lined with 176 ft. of 8-in. casing; W.L. in table measured after windmill was running for a week; normal W.L. stated to be at 66 ft.; water has a very slight alkaline taste.

326. Helidon District—

All these bores supply natural aerated and potable mineral water from the coal measures; bore 3A had originally a flow of 10,000 g. p. d.; the pumping supplies have not been tested to their full capacities.

No. 2—Deepened by Geddes.

327. Herbertvale Lease—

1. Data in table from I.C.B. Co.

2. A well to 126 ft.; bore casing carried to surface.

3. Data from I.C.B. Co.

4. Drill met with numerous flint boulders and caves and fissures in limestone formation.

328. Highfields—

1, 2, and 3. From newspaper reports.

4. Fresh water at 130 ft. and 310 ft. rose to within 130 ft.; lined with 385 ft. of 6-in. casing; see Permit 36.

5. Unlimited supply in black sandstone; lined with 497 ft. of 6-in. casing; see Permit 37.

329. Hollymount Lease—Some fresh water at 240 ft.; water at 2,250 ft. rose to within 100 ft.; flow near bottom in 280 ft. of sandstone; estimated flow, 900,000 g. p. d.; casing not stated; see Lic. 135.

330. Homeboin Lease—

1. Sharp explosions caused by non-inflammable gas took place when drilling below 1,730 ft., shaking the ground for several yards around; original estimated flow, 900,000 g. p. d.

2. Original reputed flow, 2,500,000 g. p. d.

331. Homebush Lease—First flow at (?) 2,750 ft.; original estimated flow, 635,000 g. p. d.

332. Home Creek Lease—

1. Met with salt water at about 200 ft.; first flow of about 170,000 g. p. d. at 1,752 ft.; this flow diminished in 1903 to 30,000 g. p. d., chiefly due to a bridging above the first water, and the bore was then deepened; the main flow was struck at 2,500 ft., measuring about 750,000 g. p. d., and having a temperature of 142° F.; bore lined to about 1,760 ft. with 5-in. casing and one length of 8-in. casing. Inspected 23/6/98; flow, 394,400 g. p. d.; static head, 137 ft. to 153 ft.; temp., 137.5° F.; bore site levelled in October, 1911.

2. Struck salt water at 180 ft. to 200 ft.; first fresh water at 1,375 ft.; main flow at about 2,200 ft.; measured flow at completion, 366,100 g. p. d.; temp., 140° F.; lined with one length of 8-in., 110 ft. of 6-in., and 1,700 ft. of 5-in. casing. Inspected 24/6/98; flow, 353,100 g. p. d.; static head, 65 ft.; temp., 133.5° F.; bore site levelled in October, 1911.

3. Original estimated flow (after deepening from 2,803 ft. to 3,135 ft.), about 545,000 g. p. d.; flow at 1,940 ft., 2,555 ft., and from 3,010 ft. to 3,115 ft.; bore lined with 17 ft. of 7 in., 94 ft. of 6-in., and 2,038 ft. of 5-in. casing. Inspected 2/5/90; flow, 7 in. over 6-in. casing; static head, 73 ft. to 83 ft.; slight leak between 6-in. and 7-in. casing increased somewhat under pressure; temp., 144° F.; bore site levelled in October, 1911.

4. Original estimated flow, 400,000; flows at 1,445 ft. and 2,320 ft.; bore lined with 48 ft. of 8-in., 356 ft. of 6-in., and 1,838 ft. of 5-in. casing. Inspected 3/11/11; no gaugings made.

5. Original estimated flow, 410,000 g. p. d.; small supply at 205 ft.; flows at 1,780 ft. and 2,660 ft.; bore lined with 1,876 ft. of 6-in. casing. Inspected 18/1/12; no gaugings made.

Mena, Home Creek Resumption—

1. Supply at 290 ft. rose to 280 ft. below surface; lined with 290 ft. of 6-in. casing. Inspected 11/3/16; W.L. at 280 ft.; good stock water a little brackish.

2. Supply at 140 ft. rose to 135 ft. below surface; bore lined with 240 ft. of 6-in. casing. Inspected 11/3/16; W.L. at 135 ft.; fair supply of good stock water.

Mayfair—Water at 175 ft. rose to 100 ft. below surface; lined with 600 ft. of 6-in. casing. Inspected 12/5/16; not yet pumped.

333. Hughenden District—

Gallah Creek Selection—

1. Original W.L. 59 ft. below surface.

2. Good supply at 230 ft.; main supply at 310 ft. rose to 60 ft.; bottom in fine sandstone; bore lined with 310 ft. of 6-in. casing; see Permit 1.

Mountain View No. 1—No data.

Mountain View No. 2—Supply at 70 ft. rose to 56 ft. below surface.

Skeleton Creek—Dry; abandoned.

Coolibah Selection—

1. Originally small dribble; ceased to flow (date not known). Inspected 13/5/12; approximate W.L. 61 ft. below surface.

2. Water at 780 ft. rose to 30 ft. below surface; flow at 940 ft. about 40,000 g. p. d.; at 1,002 ft., 310,000 g. p. d.; and at 1,304 ft., 340,000 g. p. d.; bore lined to 641 ft. with 6-in. casing and 725 ft. of 5-in. casing at bottom. Inspected 13/5/12; estimated flow, 185,000 g. p. d.; water issues from a cavity in surface rock; 6-in. casing corroded away.

Canterbury—Supply of (?) 1,000 g. p. d. at 246 ft. rose to 36 ft. from surface; water slightly salt; bore lined with 400 ft. of 6-in. casing; bottom in sandstone; see Permit 18.

Farnon Downs—Originally flowing 20,000 g. p. d. (outlet 12 ft. above surface); first water only tapped; bore lined to 480 ft. with 6-in. and 18 ft. of 5-in. casing at bottom. Inspected 28/5/12; W.L. in 6-in. casing 2 ft. above surface.

Renfrew—Original W.L. 7 ft. below surface; see Bore section No. 233; coal between 1,151 ft. and 1,160 ft. Inspected 21/4/12; W.L. 15 ft. below surface.

Ballindalloch—Original W.L. about 132 ft. below surface; bore lined with 8-in. casing; pump casing 6-in. diameter. Inspected 13/4/12; W.L. not obtained.

334. Hughenden Lease—

1. Original W.L. not known; bore lined with 6-in. casing; pump at 38 ft. Inspected 30/8/12; W.L. in table by owner.

2. Original W.L. not known; bore lined with 6-in. casing; pump at 194 ft. Inspected 28/8/12; W.L. in table by owner.

3. Original W.L. not known; bore lined with 6-in. casing; pump at 159 ft. Inspected 31/8/12; W.L. in table by owner.

4. Original W.L. not known; bore lined with 6-in. casing; pump casing 5-in. diameter. Inspected 18/7/12; W.L. in table by owner.

5. Original W.L. 11 ft. below surface; bore lined with 6-in. casing. Inspected 30/7/12; W.L. 35 ft. below surface; no pumping plant yet installed.

6. Inspected July, 1912; bore in progress.

McKerrow's—No boring records; W.L. at 200 ft.

335. Iffley Lease—

1. Water at about 1,200 ft.; original flow not known; lined with 6-in. casing; obstructions in bore. Inspected 4/8/16; flow, 6,300 g. p. d.; temp., about 130° F.; very large soda deposits in drain.

2. Data from newspaper reports.

336. Ilfracombe District—

Newstead—Struck a dribble at 1,460 ft.; estimated flows at 1,540 ft., 185,000 g. p. d.; temp., 127° F.; and at 2,240 ft., 545,000 g. p. d.; temp., 149° F.; bore lined to 82 ft. with 8-in. casing, to 1,500 ft. with 6-in. casing, and about 900 ft. of 5-in. casing at bottom. Stated that the bore waters about 30 miles of natural and artificial channels. Inspected 26/9/99; flow, 348,000 g. p. d.; static head, 66 ft. to 90 ft.; temp., 136½° F. Reinspected 25/5/12; flow, 196,000 g. p. d.; temp., 138.5° F.; a quantity of red iron oxide on head of bore drain. Reinspected 16/6/16; flow, 156,600 g. p. d.; temp., 140° F.; water very good; drains are dark red with oxide.

Glen Buck Selection—

1. Formerly known as Irvingdale—Stopped sinking in 167 ft. of hard red sandrock (porphyry); original flow (3/4/98), 311,000 gallons per day by owner; some sub-artesian water was struck (no record kept); estimated flow at 1,370 ft., 100,000 g. p. d.; main flow at about 2,050 ft.; bore lined to 1,370 ft. with 6-in. casing and with 570 ft. of 5-in. casing seated at 1,930 ft.; also about 200 ft. of 4-in. casing seated at 2,217 ft. Inspected 20/9/99; flow, 163,000 g. p. d.; static head of 30 ft. to 35 ft.; temp., 131.5° F.; former depth, 2,217 ft.; deepened to 2,700 ft.; bottomed granite; measured flow (by owner) on 24/11/00=107,000 g. p. d.; flow ceased about 1907; W.L. about May, 1907=6 ft. below surface. Reinspected 17/5/12; W.L. about 18 ft. below surface. Reinspected 16/6/16; a well sunk to 20 ft.; W.L. 27 ft. below surface; water very good.
 2. Formerly known as Griffdale—Original estimated flow, 475,000 g. p. d.; flow at 1,587 ft. and 2,510 ft.; bottom in hard sandrock; lined with 2,647 ft. of 5-in. casing. Inspected 9/6/16; flow, 352,770 g. p. d.; temp., 144° F.; water very good, a slight tint of red oxide in drain.
 3. Site levelled.
- 337.** Inglewood District—Gowanbrac—Water at 150 ft. did not rise to surface (cased off); flow of about 3,000 g. p. d. at 244 ft.; static head over 19 ft.; lined with 6-in. casing to bottom.
- 338.** Inverleigh Lease—
1. Struck soakage at 130 ft.; at 2,290 ft. water rose to 60 ft., and at 2,300 ft. to 30 ft. below surface; at 2,310 ft., small flow; at 2,330 ft., flow 275,000 g. p. d.; and at 2,375 ft., 770,000 g. p. d. or to 14 in. over casing; lined with 6-in. casing. Inspected 20/10/16; flow, 426,800 g. p. d.; temp., 165° F.; a leak of 4,000 g. p. d. outside of casing; some oxide in drain and soda deposits on borehead.
 2. Original flow, 4 in. over 6-in. casing, or about 330,000 g. p. d.; main flow at 2,204 ft.; lined with 6-in. casing. Inspected 24/9/16; flow 92,000 g. p. d.; temp., 163° F.; water contains much soda.
 3. Original estimated flow, 465,000 g. p. d.
- 339.** Isis Downs Lease—
1. No boring records; original flow, 492,000 g. p. d.; temp., 197° F.
 2. Soakage at 160 ft. very salt; fresh water from 1,500 ft. to 1,076 ft. rose to 55 ft.; main flow at 3,512 ft. to 3,517 ft.; good increase at 3,800 ft. to 3,851 ft.; small increase at 4,040 ft., 4,359 ft., and 4,429 ft.; total flow, about 310,000 g. p. d.; bottom in sandrock and pipe clay; bore lined with 103 ft. of 10-in., 504 ft. of 8-in., 3,499 ft. of 6-in., and 4,550 ft. of 5-in. casing; 5-in. casing parted at about 3,000 ft. Inspected 4/3/10; flow, 240,000 g. p. d.; bore reported as in progress in January, 1916; see Lic. 100.
- 340.** Isisford Town and Isisford District—Data from newspaper reports.
- 341.** Jericho District—Data from newspaper reports.
- 342.** Jondaryan—Near S. and W. Railway; five bores 80 ft. to 130 ft. deep; cutting made below water-level at one bore to give small flow.
- 343.** Kamileroi Lease—
- St. Paul's Well—A splendid supply of excellent water obtained at 30 ft.; water (December, 1915), not used.
- Twelve-mile Well—A good supply of excellent drinking water obtained at about 60 ft.
- Eight-mile Well—A small supply obtained in rubble at about 60 ft.; windmill out of order.
- Three-mile Well—Water of good quality was obtained at about 70 ft. in sand and gravel.
- Grassy Well—A supply of about 5,000 g. p. d. was obtained in gravel at about 75 ft.
- Lorraine and Talawanta Holdings—
1. Flow of about 2,000 g. p. d. in 9 ft. of sandstone at 1,018 ft.; bottom in 2 ft. of very hard rock (? granite); lined with 250 ft. of 8-in. and 1,072 ft. of 6-in. casing; see Lic. 321.
 2. Salt water at 118 ft., rose to 110 ft.; small flows at 1,302 ft., 1,352 ft., and 1,372 ft.; estimated total, 14,000 g. p. d.; bottom in of hard rock; lined with 250 ft. of 8-in. and 1,380 ft. of 6-in. casing; see Lic. 349.
 3. In progress, see Lic. 363.
- 344.** Katandra—
1. Originally flowing at the rate of 24,000 g. p. d.; ceased to flow; date not known; W.L. in May, 1907=16 ft. below surface. Inspected 22/12/14; W.L. 35 ft. below surface; bore lined with 8-in. and 6-in. casing.
 2. Original estimated flow, 110,000 g. p. d.; ceased to flow; date not known. Inspected 11/1/15; W.L. 17 ft. to 25 ft. below surface; bore lined with 8-in. and 6-in. casing; deposit of red oxide; water effervesces when pumped; taste hard.
 3. Owing to accident to tools this bore could not be sunk deeper; original W.L. 10 ft. below surface. Inspected 27/1/15; W.L. 62 ft. below surface; 6-in. casing sound at surface; deposit of red oxide from bore water.
4. Depth of bore in 1900=1,150 ft.; work then suspended, and resumed again in 1904; depth not known; deepened in 1907. Inspected 16/12/14; W.L. at 25 ft. below surface; bore lined with 6-in. casing; a trace of red oxide on stuffing box.
 5. No boring records; original estimated flow, 80,000 g. p. d.; water struck at 1,793 ft., 1,956 ft., and 2,265 ft.; bore lined with (?)2,130 ft. of 5-in. casing. Inspected 10/12/14; flow, 55,000 g. p. d.; temp., 129° F.; very good drinking water.
 6. Original W.L. 17/11/13=53.5 ft. from surface; bore lined with 1,410 ft. of 6-in. casing; first water struck at 1,410 ft. Inspected 20/1/15; W.L. 66 ft. below surface; temperature taken 100 ft. from bore; water very good and palatable; used for domestic purposes.
 7. Original W.L. not known; first water met with at 1,798 ft.; bore lined to 1,800 ft. with 6-in. casing. Inspected 2/1/15; W.L. 85 ft. below surface.
 8. Original W.L. not known; first water struck at 1,985 ft.; bore lined with 1,985 ft. of 6-in. casing. Inspected 17/12/14; W.L. 85 ft. below surface.
 9. Original W.L. not known; first water at 1,880 ft.; bore lined with 200 ft. of 8-in. and 1,756 ft. of 6-in. casing. Inspected 19/12/14; W.L. 130 ft. below surface.
 10. Original W.L. not known; water struck at 1,565 ft. and 2,020 ft.; bore lined with 2,020 ft. of 6-in. casing. Inspected 23/12/14; W.L. 110 ft. below surface; 35 ft. of boring tools lost in bore; slight trace of red iron oxide in overflow drain.
 11. Original W.L. not known; lined to sandrock with 1,548 ft. of 6-in. casing; main supply at 1,690 ft. Inspected 5/1/15; W.L. 140 ft. below surface.
 12. Inspected 19/12/14; bore in progress.
- Cairnslope—Inspected 7/12/14; bore in progress.
- Eldorado—Original W.L. 110 ft. below surface. Inspected 18/1/15; see table for data; first water at 1,534 ft. rose to 150 ft., and second from 1,841 ft. rose to 110 ft. below surface; bore lined with 1,846 ft. of 6-in. casing.
- Stanley Downs—Inspected 12/1/15; W.L. 70 ft. below surface; water struck at 1,360 ft. in 50 ft. of sandstone; rose to 70 ft. below surface, but is lowered to 100 ft. when pumped; bore lined with 1,360 ft. of 6-in. casing.
- Elton Downs Selection—
1. Met with a soak of salt water at about 80 ft.; struck supply at 1,570 ft. in 59 ft. of sandstone, which rose to 90 ft. below surface; bottom in 3 ft. of sandy clay; bore lined with 1,613 ft. of 6-in. casing. Inspected 1/2/15; W.L. at 110 ft.; very good soft water.
 2. Supply in sandrock below 1,653 ft.; pump at 234 ft.; lined with 1,653 ft. of 6-in. casing.
 3. Struck sandrock at 1,570 ft.; water at 1,858 ft.; 2 ft. of shale at 1,892 ft.; bottom in 10 ft. of shale; W.L. on completion at 210 ft.; pump at 262 ft.; lined with about 1,600 ft. of 6-in., 300 ft. of 5-in. casing, and some 4-in. casing in sandrock.
- Near Whitewood Railway Station—Main flow at 2,470 ft.; W.L. 160 ft. below surface; site levelled in February, 1915.
- Brodie's (Katandra Resumption)—Met with a soak of salt water at 180 ft.; a very small supply of fresh water at 2,370 ft. to 2,375 ft. rose to 335 ft. below surface; last supply at 2,689 ft. to 2,696 ft. in sandrock; bottom in 5 ft. of hard sandstone; bore lined with 2,696 ft. of 6-in. casing (suspended on clamps). Inspected 7/5/15; W.L. not stated; water not used.
- Woolfield (Katandra Resumption)—
1. Struck water at 90 ft., 205 ft., and 350 ft.; last supply rose to 80 ft. in 40 seconds; bore lined to bottom with 6-in. casing. Inspected 19/5/15; W.L. at 73 ft.; pumping supply over 10,000 g. p. d. at 228 ft.; fairly fresh water.
 2. Water struck at 493 ft.; a shaft sunk to 200 ft.; bore lined with 240 ft. of 6-in. casing. Inspected 20/5/15; W.L. at 118 ft. below surface; pump of windmill at bottom of shaft and pump of oil engine at 350 ft. Stated that W.L. was lowered to below the bottom of the shaft by pumping at the rate of 13,000 g. p. d.; water fairly fresh.
 3. Bore site levelled.
- Cressy (Katandra and Lerida Resumption)—
1. Known as Homestead—Struck a small soak at 1,950 ft., and a supply at 2,400 ft.; bore lined with 6-in. casing; no other data available; a shaft sunk to 200 ft., 30 ft. apart from bore, and connected with the bore by a drive. Inspected 13/7/15; W.L. at 153 ft.; water very good; oil engine installed over bore, and a windmill over shaft. Stated that in a stiff breeze the windmill will pump the shaft dry in about 48 hours.
 2. Known as Companion Creek—A shaft sunk to 290 ft.; stated that supply was increased by boring to a depth of 332 ft.; water struck at 65 ft. and 165 ft.; total, 1,700 g. p. d.; supply from bored section not known; 54 ft. of 6-in. casing in bore. Inspected 15/7/15; W.L. at 105 ft.; water fresh and drinkable.
 3. Known as South Crombie—Struck 500 g. p. d. at 192 ft. and 13,000 g. p. d. at 230 ft. in black sand; bore lined with 262 ft. of 6-in. casing. Inspected 19/7/15; W.L. not known; water fresh and drinkable.

4. Known as Barnett—Struck supply of 1,000 g. p. d. at 170 ft. and 4,000 g. p. d. at 280 ft.; bore lined with 312 ft. of 6-in. casing. Inspected 20/7/15; W.L. at 147 ft.; water slightly brackish.
5. Known as Madeley—Struck 600 g. p. d. at 154 ft., 3,000 g. p. d. at 185 ft., and 1,500 g. p. d. at 254 ft.; bore lined with 325 ft. of 6-in. casing. Inspected 17/7/15; W.L. at 74 ft.; water brackish; not yet used.
- A. Known as 8-Mile Well—Met with 300 g. p. d. at 125 ft., 1,000 g. p. d. at 150 ft., and 7,000 g. p. d. at 170 ft.; water fresh and drinkable; not inspected.
- B. Known as 12-Mile Well—Met with 500 g. p. d. at 150 ft., 1,000 g. p. d. at 170 ft., and 5,000 g. p. d. at 190 ft. Inspected July, 1915; W.L. at 122 ft.; water brackish.
- C. Known as Madeley Well—No records. Inspected July, 1915; W.L. at 138 ft.; water brackish.

345. Kensington Downs Lease—

1. No boring records; former depth, 3,650 ft., and W.L. at 30 ft. below surface; 6-in. casing only visible. Inspected 6/3/16; W.L. at 70 ft. below surface; water very good, with a taste of soda.
2. Struck a soak at 191 ft.; flow at 2,480 ft., 2,591 ft., 2,625 ft., 2,755 ft., and 3,083 ft.; estimated flow, 251,000 g. p. d.; deepened in 1914 by 188 ft.; no data; bore lined with 17 ft. of 8-in., 2,325 ft. of 6-in., and 3,043 ft. of 5-in. casing; see Notice 13. Inspected 7/3/16; flow, 229,000 g. p. d.; temp., 161° F.; water very good. Reinspected 13/5/16; static head, 13 ft. to 35 ft.
- A. Well. Inspected 17/2/16; W.L. at 110 ft.; temp., 81° F.; fair stock water.
- B. Well. Inspected 16/2/16; W.L. at 88 ft.; temp., 84° F.

Kensington Downs Resumption—

Hanworth—

1. No boring records; bore lined with 6-in. casing; bottom in hard rock. Inspected 23/11/14; W.L. at about 90 ft.; water slightly brackish.
2. Soak at 80 ft.; small supply at 180 ft.; and main supply at 320 ft.; bore lined with 300 ft. of 6-in. casing. Inspected 23/11/14; W.L. at 100 ft.; lowered by pumping to about 200 ft.; water very fair; temp., 87° F.
3. Sub-artesian supplies at 335 ft., 395 ft., and 469 ft.; bore lined to 150 ft. with 6-in. casing; bottom in sandstone. Inspected 24/2/16; W.L. at about 100 ft. below surface; good stock water.
4. Supply at 116 ft., 267 ft., 295 ft., and 375 ft.; bore lined to 197 ft. with 6-in. casing; bottom in sandstone. Inspected 23/2/16; W.L. at 91 ft.; water brackish.

Penlan—Flow at 2,185 ft., 2,327 ft., and 2,830 ft.; total flow estimated at 650,000 g. p. d.; bore lined with 70 ft. of 8-in. and about 2,327 ft. of 6-in. casing; reported flow in 1902=550,000 g. p. d. Inspected 14/2/15; flow, 471,000 g. p. d.; a little red oxide around bore head. Reinspected 18/2/16; flow, 401,500 g. p. d.; temp., 154° F.; water very good.

Beryl Selection—

1. Bore sunk from bottom of well (no data); lined with 6-in. casing. Inspected 25/2/16; W.L. at 73 ft.; good stock water.
2. No boring records; bore lined with 120 ft. of 8-in. casing. Inspected 26/2/16; W.L. at 77 ft. from surface; good stock water.
3. Called Hardwick—Supply of brackish water at 180 ft., and at 200 ft. to 400 ft.; bore lined with 4-in. casing. Inspected 29/2/16; W.L. at about 120 ft.
- *4. No boring records; bore lined with 150 ft. of 6-in. casing; a well sunk alongside and connected with bore by a drive. Inspected 1/3/16; W.L. in well and bore 88 ft. below surface; stock water only.
5. Bore called "Rome"—No boring records; bore lined with 236 ft. of 6-in. casing. Inspected 29/2/16; W.L. at about 100 ft.; stock water only.
6. Called Middle Creek—Main supply at 340 ft.; bore lined with 120 ft. of 6-in. casing. Inspected 1/3/16; W.L. at 86 ft.; stock water only.
7. Called South Channel—No boring records; bore lined with 100 ft. of 6-in. casing. Inspected 2/3/16; W.L. at 73 ft.; stock water only; not used.

Beryl Wells—

- A. Well deepened from 100 to 140 ft. in 1914; no further supply. Inspected 2/3/16; W.L. at 88 ft.; good stock water; see Beryl No. 4 bore.
- B. Beryl Well—Inspected 25/2/16; W.L. at (?) ft.; good stock water.
- C. Jenkins Well—Supply at 151 ft. and at 162 ft. Inspected 22/2/16; W.L. at 96 ft.; good stock water.

Bengal Selection—

1. No boring records; bore lined with 300 ft. of 6-in. casing. Inspected 6/3/16; W.L. at about 80 ft.; stock water only.
2. No boring records; bore lined with 260 ft. of 6-in. casing. Inspected 23/2/16; W.L. at about 80 ft.; water brackish.

Lillianfells—

1. No boring records; lined with 6-in. casing. Inspected 3/5/16; W.L. 156 ft. below surface; water slightly brackish.

2. No boring record; water at 160 ft.; lined with 250 ft. of 6-in. casing. Inspected 4/5/16; W.L. 160 ft. below surface; water slightly brackish.
3. Water at 220 ft.; 6-in. casing jammed in hole; bore abandoned.
4. Water at 170 ft.; lined with 300 ft. of 6-in. casing. Inspected 6/5/16; W.L. at 170 ft.; water fresh but slightly bitter.
5. Water at 180 ft.; lined with 320 ft. of 6-in. casing. Inspected 5/5/16; W.L. 180 ft. below surface; water brackish.
6. Water at 260 ft. rose to 206 ft.; lined with one length of 6-in. casing; bore abandoned
7. Water at 160 ft.; lined with 300 ft. of 6-in. casing. Inspected 4/5/16; W.L. 148 ft. below surface; water fresh.
8. Inspected 3/5/16; bore in progress.

346. Kilcummin—Small quantity of salt water; abandoned.

347. Kurrajong Group—

1. Original W.L. 119 ft. below surface; for strata, etc., see section 234. Inspected 5/7/15; W.L. at 130 ft., and is lowered to 150 ft. when discharging 21,600 g. p. d.; water potable; temp., 97° F.
2. No boring records; original W.L. 34 ft. below surface, and in November, 1912=36 ft.; bore lined with 6-in. casing. Inspected 5/7/15; water not pumped when visited.

Peedeebee—Met with fresh water at 205 ft., and at 230 ft. to 270 ft.; W.L., on completion, 127 ft. below surface; see Permit 23.

348. Kynuna Lease—

1. Inspected 1/2/96; on summit of watershed; quartzite entered into at 1,610 ft., when increase of water stopped; W.L.=65 ft. below surface. Reinspected 3/5/11; W.L., about 155 ft. below surface. Reinspected 18/11/14; W.L. by owner 165 ft. on November, 1914; temp., not taken; water of excellent quality; no fungus or incrustation apparent.
2. Original estimated flow, 570,000 g. p. d. Inspected 11/7/96; flow, 595,000 g. p. d.; static head, 42 ft. to 53 ft.; temp., 155.5° F.; bore terminated in rotten quartzite; water deposits iron oxide whilst cooling; bore ceased flowing in July, 1904. Reinspected 29/4/11; W.L. about 48 ft. below surface. Reinspected 17/11/14; W.L. not obtainable; temp., 136° F.; green fungus present, also a trace of white incrustation; water of splendid quality.
3. Original estimated flow 500,000 g. p. d.; ceased flowing in October, 1903. Inspected 29/4/11; W.L., 54 ft. below surface.
4. Original estimated flow 680,000 g. p. d.; temp., 190° F.; ceased flowing 9th May, 1907. Inspected 21/4/11; W.L. about 33 ft. below surface. Reinspected 7/11/14; W.L. not obtained; temp., 150° F.; green fungus present, also a trace of white incrustation.
5. Original estimated flow, 455,000 g. p. d.; temp., 175° F.; a 7-ft. seam of coal at about 2,670 ft.; ceased flowing 29/7/05. Inspected 25/4/11; W.L. about 54 ft. below surface.
6. Original estimated flow, 1,070,000 g. p. d.; estimated flow in 1907=455,000 g. p. d.; static head, 141 ft.; temp., 184° F. Inspected 12/11/14; flow, 194,000 g. p. d.; temp., 153° F.; the 6-in. casing is in appearance as good as new, but on examination the threads could actually be scraped off; a trace of white incrustation on borehead; also a botryoidal deposit in drain near head; excellent drinking water; a little gas in flow.
7. Original estimated flow, 210,000 g. p. d.; ceased flowing about February, 1910. Inspected 20/4/11; W.L. 16 ft. below surface. While pumping the W.L. stands about 13 ft. higher in the bore casing; finished drilling in hard rock. Reinspected 5/11/14; W.L. not obtained; temp., 150° F.; green fungus present, also a trace of white incrustation; water of excellent quality.
- 8 and 9. Data from I.C.B. Co.

The figures given (for bores Nos. 1 to 5) in column 15 were obtained when pumping was started in each bore, and their respective volumes will probably now be less.

Grendon, Kynuna Resumption—

1. Original estimated flow, 900,000 g. p. d.; static head, 138 ft. Inspected 26/6/16; estimated flow, 460,000 g. p. d. Reinspected —/8/14; flow, 146,000 g. p. d.; lined with 6-in. casing; bore called Homestead. Reinspected 11/11/16; outlet lowered by 3.5 ft.; flow, 135,000 g. p. d.; static head 4 ft. to 5 ft.; temp., 151° F. Reinspected 1/12/16; flow, 128,400 g. p. d.; good drinking water; a trace of gas.
2. Original estimated flow, 340,000 g. p. d.; ceased flowing three years after completion; stated that W.L. fell 8 ft. below surface in a single night. Inspected 27/6/11; W.L., 15 ft. below surface. Finished sinking in very hard red formation. Reinspected 11/11/16; W.L. 45.5 ft. below surface; temp. very hot; excellent drinking water.

- Poimena—Original estimated flow, 1,250,000 g. p. d.; 8-in. casing visible at surface. Inspected 10/11/14; flow, 358,800 g. p. d.; temp., 162° F.; temp. taken at 700 ft. same as at surface; 8-in. casing somewhat corroded; iron oxide present and a little gas in flow; 25 miles of bore drains.
- Rosemead—Original estimated flow, 1,115,000 g. p. d.; reported estimated flow in 1907=900,000 g. p. d.; static head, 161 ft.; in April, 1913, the bore supplied 20 miles of drains; bore ceased to flow in March, 1914. Inspected 9/11/14; W.L., 10.4 ft. below surface; over-flow from tank runs about 4 miles of drains.
- 349. Glembervie—Kynuna District—**
1. Original estimated flow, 1,070,000 g. p. d.; temp., 106° F.
 2. Strata like rock salt and shale met with; struck small soakage at 850 ft., and flow at 1,350 ft.; former estimated flow, 275,000 g. p. d.
- Waniola—Former estimated flow, 1,300,000 g. p. d.; reported estimated flow in 1907=900,000 g. p. d.; static head, 152 ft.; temp., 187° F.
- Rosevale—Original estimated flow, 1,500,000 g. p. d.
- 350. Lake Dunn (old)—**Flowing at the rate of 50 g. p. d. through a trench 1 ft. below the surface.
1. New—No data; see Permit 19.
 2. Supply at 220 ft. to 230 ft., rose to within 150 ft., and at 333 ft. to 65 ft. below surface; bore lined with 334 ft. of 6-in. casing; water brackish; see Permit 20.
 3. Small supply of very salt water at 60 ft. to 65 ft.; no other data; in progress; see Permit 21.
- Fortuna—Lined with 6-in. casing; see table for data.
- 351. Lake Nash—**
2. Bore provided with engine and walking beam equipment; see table for data.
- Note.—Some of the bores in table are in the Northern Territory; data from I.C.B. Co.
- 352. Lammermoor and Oakley Leases—**
1. Casing drawn; bore collapsed; 22 ft. N.W. from No. 2.
 2. Steam plant and storage reservoir; pumped 180 ft.
 3. Abandoned in running sand; 300 ft. casing lost; adjoins No. 5.
 4. First supply at 420 ft. rose to 88 ft. below surface; pumped 380 ft.
 5. First supply at 400 ft. rose to 88 ft. below surface; steam plant and storage reservoir; pumped 150 ft.; former depth, 820 ft.; W.L., at 283 ft.
- G.F. 1053, C. Coldham—Water at 754 ft. rose to within 170 ft.; bottom in sandstone; see Permit 80.
- 353. Landsborough Downs—**
1. Original W.L., 13 ft. below surface; temp., 113° F. Inspected 5/5/14; W.L. at 70 ft.; temp., over 99° F.; some tools lost in bore; deep well pump at 90 ft. below surface.
 2. Original W.L. not known. Inspected 7/5/14; W.L. at 62 ft.; temp., over 95° F.; deep well pump at 100 ft. below surface; set of boring tools, sand pump, and deep well pump lost in bore; stated that W.L. went down about 17 ft. very quickly two years ago; 6-in. casing from bottom of shaft (36 ft. deep) to bottom of bore.
 3. Original estimated flow at 1,285 ft. 9,600 g. p. d., at 1,377 ft. 38,400 g. p. d., at 1,628 ft. 155,000 g. p. d., at 1,688 ft. 260,000 g. p. d., at 1,743 ft. 405,000 g. p. d., at 1,845 ft. 440,000 g. p. d., at 1,885 ft. 450,000 g. p. d., at 1,943 ft. 475,000 g. p. d., at 1,977 ft. 490,000 g. p. d., and at 2,021 ft. 620,000 g. p. d. At a depth of 1,377 ft. the static head was 28 ft.; at 1,791 ft., 36.5 ft.; and at 2,045 ft., 38.3 ft. Inspected 1/5/14; flow, 346,500 g. p. d.; temp., 120.5° F. The flow issues under a pulsation of 3 in.; it effervesces slightly at the surface, has a slight soda taste and a slight odour of sulphuretted hydrogen gas.
 - 4a. Flow of 10,590 g. p. d. from 1,155 ft., but it ceased after going deeper; tools lost in bore; casing withdrawn. When water was struck in No. 4b bore, which is only 10 ft. distant, it flowed again for a time, but has now (9/5/14) apparently fallen in.
 - 4b. Original flow from 1,155 ft.=10,590 g. p. d. Inspected 9/5/14; flow, 1,760 g. p. d.; temp., 95° F.; bore lined with 100 ft. of 8-in. and 1,250 ft. of 6-in. casing; water very good and palatable.
 5. Inspected 6/5/14; bore in progress; see Lic. 108.
- 354. Lansdowne Lease—**
1. No boring records; original W.L. 17 ft. below surface; after the pumping test the W.L. stood at 6 ft., and went back to 12 ft. after a few weeks; bore lined with 2,100 ft. of 5-in. casing; the bore was originally converted from a sub-artesian to a flowing bore by cutting the hillside. Inspected 20/7/98; flow of 32,000 g. p. d. at 15 ft. below surface; temp., 112° F.; bore deepened (October, 1911, to August, 1912) from 2,540 ft. to 3,920 ft.; struck a flow at 3,040 ft.; increase at 3,466 ft. and 3,864 ft.; total estimated flow, 185,000 g. p. d.; bottom in pipe clay; additional lining, 3,070 ft. of 4-in. casing.
 2. Sub-artesian water at (?) ft. rose to 45 ft.; flow at 2,775 ft.; increase at 2,840 ft., 2,900 ft., and 3,000 ft.; total measured flow, 119,000 g. p. d.; bore lined to 1,400 ft. with 8-in. to 1,920 ft. with 6-in. and to 2,700 ft. with 5-in. casing. Inspected 19/7/98; flow, 88,000 g. p. d.; maximum head about 30 ft.; temp., 127° F.; leakage outside casing, 21,700 g. p. d.
 3. Struck a brackish soak at 160 ft.; rose to 145 ft.; fresh water at 1,650 ft. to 1,675 ft. in sandstone rose to 100 ft.; at 2,850 ft. to 2,880 ft. to 50 ft.; and at 3,110 ft. to 9 ft. below surface; small flow at 3,250 ft., with a static head of 1.5 ft.; at 3,300 ft. the flow was 24,000 g. p. d., and increased at 3,434 ft.; further increase at 3,515 ft.; total flow, 258,000 g. p. d.; temp., 132° F.; bore lined to 1,450 ft. with 8-in. and from 1,400 ft. to 2,750 ft. with 6-in. casing. Inspected 18/7/98; flow, 273,000 g. p. d.; static head, 21.4 to 24.2 ft.; temp., 131° F.; bore recased with 3,530 ft. of 5-in. casing in April to September, 1915; see Lic. 243. Reinspected 22/10/15; flow, 163,500 g. p. d.; temp., 132° F.
 4. Original estimated flow, 240,000 g. p. d.
 5. Supply at 741 ft. rose to 178 ft., and at 1,563 ft. to 40 ft. below surface; flow at 3,335 ft.=140,200 g. p. d.; after completion, 129,000 g. p. d.; bottom in grey shale; bore lined with 100 ft. of 10-in., 300 ft. of 8-in., 2,171 ft. of 6-in., 3,440 ft. of 5-in., and 613 ft. of 4-in. casing; see Lic. 108.
- 355. Lerida Lease—**
1. Original estimated flow, 275,000 g. p. d.; flow diminished gradually; date of failure not known; supplies struck at 2,130 ft., 2,930 ft., and 3,429 ft. Inspected 5/12/14; bore lined with 3,165 ft. of 6-in. and 1,413 ft. of 5-in. casing; normal W.L. in November, 1914=27 ft. below surface; on 5/12/14 the W.L. stood at 4 ft. below surface (while pump was working); very slight incrustation on outside casing.
 2. Original estimated flow, 275,000 g. p. d.; flow diminished gradually, and ceased to flow in 1911. Inspected 12/10/14; W.L. 15 ft. below surface; cased with 2,391 ft. of 6-in. casing, 730 ft. of 5-in., and 448 ft. of 4-in. casing. Stated that some years ago an almost complete bridging was removed in the second length of casing caused by (?) corrosion.
 - 3 to 19. These shallow bores were inspected during October and November, 1914. It is stated that the water beds met with consist chiefly of green sandstone, and that the supplies obtained are apparently local soakage water. In No. 11 bore the waters met with at 65 ft. and 240 ft. were of fair quality, whereas that at 200 ft. was extremely salty. The bores are lined with 6-in. casing to the following depth:—No. 3 to 295 ft., 4 to 272 ft., 6 to 322 ft., 7 to 142 ft.; 8 to 100 ft., 9 to 378 ft., 11 to 264 ft., 12 to 324 ft., 13 to 290 ft., 14 to 254 ft., 15 to 293 ft., 17 to 293 ft., 18 to 286 ft., and No. 19 to 333 ft.
 20. Water at 2,066 ft. to 2,100 ft. rose to surface; flow at 2,180 ft. to 2,200 ft.; lined with 250 ft. of 8-in. and 2,213 ft. of 6-in. casing. Inspected 25/11/14; flow, 2,000 g. p. d.; temp., 77° F.; excellent water; full of gas bubbles.
- 356. Lerida Resumption—**
- Harwood—
1. Original estimated pumping supply, 20,000 g. p. d. Inspected 4/12/14; W.L. 130 ft. below surface; water at 130 ft. and 175 ft.; bore lined to bottom with 6-in. casing; well sunk alongside to 195 ft.; pump at 250 ft. Stated that bore is very often pumped dry by windmill; water very good and palatable.
 2. Abandoned; no data.
- Fyriewald (Lerida Resumption)—Former owner, C. Douglass; no boring records; bore lined with 6-in. casing. Inspected 8/6/15; W.L. at 118 ft.; water good.
- Bonnie Downs (Lerida Resumption)—
1. Homestead—No boring records; bore lined with 80 ft. of 4-in. casing. Inspected 10/6/15; W.L. at 66 ft. from surface; water salty; improves with pumping.
 2. No boring records; bore lined with 6-in. casing. Inspected 9/6/15; W.L. at 125 ft.; temp., 82° F.; water fresh; pump at 260 ft.
- Mahrigong (Lerida and Kensington Resumption)—
1. Bore known as Crombie Creek—No boring records; bore lined with 6-in. casing. Inspected 7/7/15; W.L. at about 150 ft.; pumping supply 8,000 g. p. d.; temp., 83° F.; water fresh.
 2. Known as Homestead—No boring records; bore lined with 6-in. casing. Inspected 17/6/15; W.L. not known; temp., 82° F.; water fairly fresh; used for stock, household, and garden.
 3. Known as No. 14 Paddock—No boring records; bore lined with 6-in. casing. Inspected 18/6/15; W.L. not known; pumping supply, 5,000 g. p. d.; temp., 85° F.; water brackish.
 4. Known as Rose Creek—No boring record; bore lined with 6-in. casing. Inspected 17/6/15; W.L. not known; pumping supply, 8,000 g. p. d.; water fairly fresh.

5. Known as Woolshed—No boring records; bore lined with 6-in. casing. Inspected 15/6/15; W.L. at 100 ft.; temp., 84° F.; water fairly fresh.
6. Known as Jessamine Creek—No boring records; bore lined with 6-in. casing. Inspected 5/7/15; W.L. not known; water fresh.
7. Known as No. 16 Paddock—No boring records; bore lined with 6-in. casing. Inspected 15/6/15; W.L. not known; temp., 82° F.; water fairly fresh.
8. Known as Lucella—No boring records; bore lined with 6-in. casing. Inspected 14/6/15; W.L. at 150 ft.; pumping supply, 15,000 g. p. d.; water slightly brackish.
9. Known as Kennedy Creek—Struck a soakage at 180 ft., and a supply of 3,000 g. p. d. each at 275 ft. and 412 ft.; bore lined with 318 ft. of 6-in. casing. Inspected 7/7/15; W.L. at 122 ft.; pumping supply, 6,000 g. p. d.; water fairly fresh.
- 357. Listowel and Langlo Downs**—Struck a small soakage at 495 ft., and sub-artesian water at 1,442 ft. rose to within 372 ft.; at 3,470 ft. to within 143 ft.; at 3,640 ft. to 125 ft.; at 3,717 ft. to 117 ft.; at 3,760 ft. to 95 ft.; at 3,890 ft. and 3,940 ft. to 80 ft.; and at 4,216 ft. to 77 ft. below surface; bottom in 52 ft. of fine grained sandstone; bore lined with 62 ft. of 10-in., 302 ft. of 8-in., 1,604 ft. of 6-in., 2,241 ft. of 5-in., and 600 ft. of 4-in. casing; see Lic. 11; water good.
- 358. Llanrheidol Lease**—
1. Original estimated flow, 1,115,000 g. p. d.; static head, 106 ft.; temp., 154° F. Inspected 1/2/96; flow, 614,930 g. p. d.; static head, 95 ft.; temp., 155° F.; outlet at that date, 14 ft. above surface; a Pelton wheel was employed for driving wool-dryer. Reinspected 25/6/13; flow, 398,000 g. p. d.; temp., 147° F.; static head not taken; valves on bore defective. Stated by the manager that the flow is considerably less during certain hours of the day.
 2. Original W.L., 106 ft. below surface; pumping capacity, 72,000 g. p. d.; lined with 6-in. casing. Inspected 1/7/13; W.L. about 152 ft. below surface; bore determined in plutonic rocks; tools lost in bore; good drinking water.
 3. Original estimated flow, 220,000 g. p. d.; temp., 120° F.; lined with 6-in. and 5-in. casing. Inspected 2/7/13; W.L. at about 19 ft. below surface; temp., 111° F.; bore determined in sandstone; outlet, 6 in. above ground; stated that flow diminished gradually since the completion of bore and ceased to flow in 1911; good drinking water.
 4. Original flow, 435,000 g. p. d.; bore lined with 1,641 ft. of 6-in. and 200 ft. of 5-in. casing. Inspected 4/7/13; flow, 334,000 g. p. d.; static head, 27.5 ft. to 28 ft.; temp., 133.5° F.; outlet, 8 ft. below surface (trenched to creek); duration of static test, 6 hours 45 minutes; bore determined in plutonic rocks; good stock water; water contains large quantity of soda.
 5. Original flow, 54,000 g. p. d. (newspaper report); bottom in sandstone; lined throughout with 6-in. casing. Inspected 28/6/13; flow, 2,900 g. p. d.; temp., 135° F.; stated that twelve months previously the flow was 40,000 g. p. d.; outlet lowered to 13½ ft. below surface by trenching; one large bubble of non-inflammable gas rising at every 4 seconds; bore ceased to flow about the middle of August, 1913; good drinking water.
 6. Some salt water at 128 ft.; fresh water at 417 ft. rose to 100 ft.; small flow at 1,726 ft. (cased off); increase at 1,775 ft. to 1,873 ft., and at 1,924 ft. to 2,011 ft.; bottom in hard sandstone; lined with 32 ft. of 10 in., 293 ft. of 8-in., 1,747 ft. of 6-in., and 334 ft. of 5-in. casing; original flow, 381,100 g. p. d. Inspected 27/6/13; flow, 262,600 g. p. d.; static head, 19 ft. to 20 ft.; temp., 147° F.; outlet, 4 ft. above surface; good drinking water.
 7. Water at 310 ft. in blue sandstone; rose to 270 ft.; lined with 375 ft. of 6-in. casing. Inspected 22/4/14; W.L. not obtained; water slightly brackish.
 8. Water at 225 ft. in blue sandstone; lined with 336 ft. of 6-in. casing.
- Llanrheidol Resumption**—
- Archervale**—
1. Water at 300 ft. rose to 270 ft.; no other data; lined with 6-in. casing. Inspected 16/6/13; W.L. 253.5 ft.; water slightly brackish.
 2. Water at 282 ft. rose to 212 ft.; lined with 337 ft. of 6-in. casing; good stock water, slightly brackish.
 3. In progress.
- Pink Hills**—Water at 190 ft. rose to 162 ft., and at 470 ft. to 150 ft.; lined with 480 ft. of 6-in. casing; water somewhat brackish.
- Mackunda Downs**—
1. Lined with 200 ft. of 4-in. casing. Inspected 22/4/14; W.L. at about 130 ft.; met brackish water at 152 ft. and fresh water at 155 ft. and 177 ft.
 2. In progress.
- Rabbit Fence Board**—
- A. and B. Dry; abandoned.
- C. A well to 200 ft.
- 360. Longerach Environs**—Data chiefly from newspaper reports.
- Rosedale No. 2**—Met with a seam of good coal at 150 ft.
- Dahra G.F.**—
1. Inspected 26/4/12; W.L. at about 150 ft.; water brackish but suitable for stock; 6-in. casing used; pumped from 260 ft.
 2. Inspected 26/4/12; W.L. about 160 ft. below surface; supply of very salt water, cased off at 280 ft. by 6-in. casing; pumped from 280 ft.
- No. 2 and 2A only a few yards apart. 2A abandoned through accident to tools.
- Malula**—Two seams of coal were passed; water of inferior quality, both salt and bitter; cased to bottom with 6-in. casing; W.L. in April, 1912=29 ft. below surface.
- 361. Lucknow Lease**—
1. Original jet 9½ in. over 6-in. casing; lined to 1,030 ft. with 6-in. casing; thence 5-in. casing to bottom. Inspected 5/2/96; depth 1,188 ft.; bottomed coarse sand drift; flow, 450,150 g. p. d.; static head, 41.5 ft.; temp., 121° F.; outlet about 6 ft. above surface. Reinspected 18/9/13; flow, 151,000 g. p. d.; estimated static head, 8 ft.; outlet, 6 ft. below surface; water flowing through a trench; measured flow by owner from original outlet in April, 1910=98,000 g. p. d.
 2. Flow at 1,300 ft. and 1,400 ft.; estimated at 230,000 g. p. d.; lined with 150 ft. of 6-in. and 1,571 ft. of 5-in. casing; ceased to flow 21/1/10; W.L. in September, 1912=13.5 ft. below outlet. Inspected 23/9/13; W.L. 21 ft. below surface; bore terminated in grit.
 3. First flow at 1,140 ft. increased to 6 in. over 5-in. casing at 1,358 ft.; lined with 1,358 ft. of 5-in. casing; ceased to flow in April, 1910; W.L. about October, 1912=16 ft. below surface. Inspected 25/10/13; W.L., 19 ft. below surface; bore terminated in drift sand.
 4. Soak at 946 ft.; flow at 1,140 ft., 1,192 ft., 1,232 ft., and 1,241 ft., total flow 8 in. over 5-in. casing; lined with 5-in. casing. Inspected 18/10/14; flow, 200,000 g. p. d.; static head, about 11.5 ft.; temp., 122.5° F.; outlet, 9 in. below surface.
 5. Supply at 1,148 ft. rose to 30 ft., at 1,171 ft. to 18 ft., at 1,180 ft. to 13 ft., and at 1,200 ft. to 5 ft. below surface; flow at 1,210 ft., 1,225 ft., 1,248 ft., and at 1,307 ft.; total flow, 1½ in. over casing; lined throughout with 5-in. casing; ceased to flow, 23/7/11; W.L. in October, 1913=19 ft. below surface. Stated to be falling rapidly. Inspected 25/2/14; W.L. about 19 ft. below surface; top of 5-in. casing 4 ft. below surface; bottom in limestone.
 6. A soak at 200 ft.; flow at 1,450 ft., increasing to 1,513 ft.; lined with 150 ft. of 6-in. and 1,542 ft. of 5-in. casing; original jet=19 in. over 5-in. casing, but receded to 15½ in. soon after. Inspected 25/9/13; jet, 14½ in. over casing; flow, 450-800 g. p. d.; static head, 70 ft. to 73.5 ft.; temp., 131° F.; duration of static test, 33 minutes.
 7. Surface water at 165 ft. rose to 125 ft.; flow at 1,660 ft., increasing to 1,804 ft.; lined with 150 ft. of 6-in. and 1,804 ft. of 5-in. casing; original jet, 31 in. over 5-in. casing. In May, 1913, 28½ in. over casing. Inspected 1/10/13; flow, 577,700 g. p. d.; static head, 116 ft. to 122 ft.; temp., 146° F.; outlet, 1 ft. below surface; duration of static test, 58 minutes; bore determined in limestone.
 8. Some slightly brackish water at 200 ft.; fresh water at 1,496 ft. rose to 20 ft., flow at 1,564 ft., increasing to 1,734 ft.; lined with 150 ft. of 6-in. and 1,734 ft. of 5-in. casing; see Notice 11, original jet 8½ in. over 5-in. casing, and in May, 1913, 6½ in. over casing. Inspected 15/10/13; jet, 5½ in. over casing; flow, 274,200 g. p. d.; static head, 22 ft. to 23 ft.; temp., 137° F.; outlet at surface; bore determined in limestone.
 9. Flow at 1,167 ft., increased to 1,360 ft.; lined with 100 ft. of 10-in., 300 ft. of 8-in., and 1,533 ft. of 5-in. casing; see Lic. 118. Inspected 22/10/13; flow, 346,500 g. p. d.; static head, 34 ft. to 35 ft.; temp., 122° F.; jet 7½ in. over 5-in. casing; outlet, 1½ ft. above surface; bore terminated in limestone.
 - 9A. Bore lined with 3-in. casing; abandoned.
 10. Flow at 784 ft., increased to 955 ft.; lined with 167 ft. of 10-in., 328 ft. of 8-in., and 1,115 ft. of 5-in. casing; see Lic. 209. Inspected 27/1/14; jet, 7½ in. over 5-in. casing; flow, 257,000 g. p. d.; temp., 111° F.; outlet, 3 ft. above surface; little gas in flow; bottom on granite. Stated that while sinking a small amount of oil was met with.
 11. Fresh water at 896 ft. rose to 100 ft., at 920 ft. to 60 ft., at 930 ft. to 55 ft., at 955 ft. to 40 ft., at 980 ft. to 36 ft., at 995 ft. to 33 ft., and at 1,000 ft. to 27 ft. below surface; bore lined to 260 ft. with 8-in. casing and from 200 ft. to bottom with 5-in. casing; bottom in 1 ft. of limestone; see Lic. 210.
 12. Supply at 980 ft. rose to within 10 ft., at 1,016 ft. water stood at 55 ft., increased at 1,033 ft., 1,040 ft., 1,060 ft., 1,087 ft., and at 1,233 ft. the water level was at 31 ft. bottom in 4 ft. of white quartz; lined with 277 ft. of 8-in. and 1,233 ft. of 5-in. casing; see Lic. 258.

13. Small supply at 333 ft. rose to 320 ft.; flow at 1,548 ft.; increased to 1,715 ft.; total flow, 7.5 in. over 5-in. casing; bottom in conglomerate; lined with 270 ft. of 8-in. and 1,772 ft. of 5-in. casing; see Lic. 302.
- Pollygammon—Only one supply met with; W.L. at completion not stated; water level in September, 1913= 57 ft. below surface.
- Note—In all flowing bores of this run, red iron oxide and green fungus occur in the bore drains.
- Montrose Selection—
- Inspected 25/2/15; bore in progress.
 - 1A. Sunk close to No. 1 bore; struck side of boulder; abandoned.
- 362. Abbiglassie, Lussvale Holding—**
- No boring records; bore lined with 8-in. and 6-in. casings. Stated that in 1910 the flow was 13 in. over 6-in. casing. Inspected 13/1/16; flow, 334,000 g. p. d.; temp., 129° F.; water has a strong odour of sulphuretted hydrogen.
 - Brackish water at 420 ft. rose to 300 ft., and fresh water at 900 ft. rose to within 150 ft.; flow at 1,436 ft., 1,940 ft., 2,304 ft., and 2,850 ft.; no more water below this depth; total estimated flow, 275,000 g. p. d.; bottom in driftsand; tools lost in bore; bore lined with 487 ft. of 8-in., 2,600 ft. of 6-in., and 420 ft. of 5-in. casing (5-in. casing parted at 2,800 ft.); see Lic. 184. Inspected 5/1/16; flow, 192,000 g. p. d.; static head, 13 ft.; temp., 131° F.; water has a strong odour of sulphuretted hydrogen.
- 363. Mackay Environs—**
- Gasworks—Bore overflowing into well below surface.
- Fairleigh—Water obtained in soft granite.
- 364. Malvern Hills—**
- Water not utilised. Only about 7,000 g. p. d. from lowest water beds. Upper supplies cased off. 5 ft. of tools left in bore. An unsuccessful attempt was made to deepen this bore in 1911.
 - Struck water at 232 ft., rose to 175 ft., and at 1,620 ft. water rose to 120 ft.; flow of 23,000 g. p. d. at 3,600 ft. increase at 3,800 ft., 4,150 ft., 4,250 ft., and at 4,475 ft.; total flow, 245,000 g. p. d.; temp., 190° F.; bottom in sandstone; bore lined to 105 ft. with 10-in. to 503 ft. with 8-in. to 3,482 ft. with 6-in. and with 1,119 ft. of 5-in. casing resting on bottom; see Lic. 115.
- Springfield (salt bore)—Very small supply at 200 ft. only; bad stock water, not used for several years.
- Spring Leigh No. 1—Very small supply at 200 ft. only; bad stock water.
- Spring Leigh No. 2—Very small supply at 200 ft. only; bad water, but used for stock.
- Ridout—Water at 200 ft. rose to 150 ft., and at 1,340 ft. to 43 ft. below surface; lined with 1,250 ft. of 6-in. casing.
- 365. Maneroo Holding—Bores Nos. 1, 3, and 6 are cased with 8-in. casing; bore No. 4 with 6-in. casing; bore No. 2 with 288 ft. of 8-in. and 105 ft. of 6-in.; No. 5 with 320 ft. of 8-in. and 320 ft. of 6-in.; No. 7 with 312 ft. of 8-in. and 90 ft. of 6-in., and No. 8 bore has a shaft to 212 ft.; the bored section (200 ft.) is lined with 6-in. casing.**
- 366. Manfred Downs Lease—**
- Four different supplies struck in bore; original flow 14,400 g. p. d.; static head about 22 ft.; water lifted 22 ft. to house by windmill. Inspected 9/11/96; flow, 510 g. p. d.; static head about 5.5 ft.; temp., 87° F.
 - Small flow in November, 1896; no further data.
 - Water enters well 10 ft. deep (above bore top), and is pumped by windmill to storage tank. Inspected 10/11/96; flow, 2,000 g. p. d.; temp., 81° F.
 - Closed by ball valve; maximum flush, 25,000 g. p. d. Inspected 10/11/96; approximate flow, 2,000 g. p. d.; static head, 92 ft.; temp., 92° F. Stated that after re-drilling bore in 1889, the estimated flow was 10,000 g. p. d., for a few days. Reinspected 8/12/14; flow, 800 g. p. d.; static head, 3.2 ft. to 18.4 ft.; temp., 84° F.; bore lined with 4-in. casing; no corrosion. Sunk close to a mud spring which is now dry.
 - Estimated original flow of 12,000 g. p. d. soon diminished to a trickle; closed by ball valve; maximum flush, 7,600 g. p. d. Inspected 12/11/96; flow about 500 g. p. d.; static head, 13 ft. Reinspected 8/12/14; flow, a trickle; temp., 84° F.; bore similar to No. 3 bore; water not used.
 - A number of trial bores with hand plant near mud springs; about 100 ft. deep each.
 - Water not used. Inspected 17/12/96; W.L., 70 ft. below surface; water struck in a cavity at 170 ft.
 - A well to 140 ft.; water very brackish. Inspected 7/12/96; W.L., 18 ft. below surface; filled with mud to 65 ft.
 - Original depth, April, 1886, 200 ft.; estimated flow after deepening, 22,000 g. p. d. Inspected 10/11/96; flow about 1,000 g. p. d.; static head, 11.5 ft.; temp., 94° F. Closed by ball valve; maximum flush, 14,250 g. p. d.
- Original estimated flow, 12,000 g. p. d. Inspected 12/11/96; flow, 500 g. p. d.; static head, 22 ft.; temp., 84° F.; closed by ball valve; maximum flush, 14,250 g. p. d.
 - Some flowing water was obtained, but the bore was filled in.
 - Originally a fair flow, but soon diminished to a trickle. Inspected 7/11/96; flow, 300 g. p. d.; static head, 14 ft. to 78.4 ft.; bore plugged to prevent a bog forming.
 - Original estimated flow, 50,000 g. p. d.; bottom in sandstone. Inspected 7/12/96; flow, 34,370 g. p. d.; static head, 30 ft. to 152 ft.; temp., 105° F.; some leakage outside casing; bore lined with 285 ft. of 8-in. and 250 ft. of 6-in. casing; also some 4-in. casing attached to 6-in. casing. Reinspected 23/10/14; flow, 16,400 g. p. d.; temp., 103.5° F.; casing apparently still sound; no free CO₂.
 - Original estimated flow, 480,000 g. p. d.; bottom in sandstone; lined with 133 ft. of 8-in. and 614 ft. of 6-in. casing. Inspected 17/11/96; flow, 180,300 g. p. d.; static head, 30 ft. to 39 ft.; temp., 109° F. Reinspected 14/10/14; flow, 71,800 g. p. d.; temp., 108.5° F.; water slightly corrosive; CO₂=0.75 gr. p. g.
 - Original depth, 707 ft., and estimated flow, 185,000 g. p. d.; lined with 71 ft. of 8-in. and 405 ft. of 6-in. casing; deepened in July, 1899, to (?) granite; no further supply obtained. Inspected 16/11/13; flow, 80,830 g. p. d.; temp., 100° F. Reinspected 13/10/14; flow, 30,600 g. p. d.; temp., 100° F.; casing perfectly sound at surface; no free CO₂.
 - Original estimated flow, 250,000 g. p. d.; bottom in sandstone; lined with 63 ft. of 8-in. and 443 ft. of 6-in. casing. Inspected 17/11/96; flow, 113,600 g. p. d.; pressure low; temp., 115° F. Reinspected 8/10/14; flow, 43,700 g. p. d.; temp., 114° F.; small leak between 6-in. and 8-in. casing; water non-corrosive; CO₂ test negative.
 - Original estimated flow, 50,000 g. p. d.; bottom in sandstone; lined with 76 ft. of 8-in. casing. A few weeks after completion the bore was closed down for about twelve months, and on reopening the water stood 20 ft. below surface; the bore was then plugged above the sandrock at 624 ft., and a 2-in. G.I. pipe carried to the surface when the water again flowed. Inspected 12/11/96; flow, 26,600 g. p. d.; static head, 113 ft. to 163 ft.; temp., 112° F.; the bore was subsequently lined with 624 ft. of 6-in. casing. Reinspected 21/10/14; flow, 12,100 g. p. d.; temp., 110.5° F.; no corrosion at surface; slight white soda incrustation; no free CO₂.
 - Original estimated flow from 590 ft. to 710 ft.=810,000 g. p. d.; (?) granite at 710 ft. drilled to 1,036 ft. in same strata. Inspected 19/10/14; flow, 335,000 g. p. d.; temp., 113° F.; lined with 82 ft. of 8-in. and 606 ft. of 6-in. casing; casing quite uncorroded at surface; CO₂ test; water about neutral.
 - Small flows at 150 ft. and 430 ft.; no water in sandstone at 580 ft.; lined with 6-in. and 8-in. casings. Inspected 22/10/14; flow, 4,900 g. p. d.; static head, 0 ft. to 21 ft.; temp., 107° F.; duration of static test, 6 hours; hard rock at 676 ft. (?) granite drilled to 700 ft.; no more water met with; casing uncorroded at surface; CO₂ test negative.
 - Small flow at 605 ft. in sandstone; granite (?) at 640 ft. drilled to 650 ft.; no change in strata; lined with 6-in. and 8-in. casing. Inspected 22/10/14; flow, 6,600 g. p. d.; temp., 107° F.; casing uncorroded at surface; free CO₂ absent.
 - Original flow, 29 in. over 6-in. casing, or about 1,150,000 g. p. d.; flows at 670 ft., 825 ft., and then several flows to 966 ft.; (?) granite at 970 ft., drilled to 1,008 ft. Inspected 9/10/14; flow, 372,000 g. p. d.; temp., 115.5° F.; lined with 6-in. and 8-in. casings; about one-quarter of the flow issues between the casings; 6-in. casing slightly corroded on top; OC₂ test, water very slightly acid to phenol-phthalein; minute gas bubbles in flow.
 - Original flow, 64 in. over 6-in. casing, or about 1,920,000 g. p. d.; flows at 150 ft., 400 ft., 625 ft., and 800 ft.; main flow at 835 ft. in coarse sand and pebbles. Inspected 16/10/14; flow, 985,000 g. p. d.; temp., 108° F.; about one-third of the flow issues from between casings; 6-in. casing stands 3½ ft. below the 8-in. casing, and appears to be badly corroded; very little gas visible; CO₂=1.66 gr. p. g. at 100° F.
- 367. Manfred Downs Resumption—**
- Met with a flow of mud at 55 ft.; casing withdrawn; bore abandoned.
 - Flows at 64 ft., 80 ft., and 95 ft.; originally estimated at 16,000 g. p. d.; and water rising to over 24 ft. above surface. Inspected 11/12/96; flow, about 5,000 g. p. d.; static head, 25 ft. to 59 ft.; temp., 86° F.; flow controlled; maximum flush, 16,200 g. p. d.
 - Salt water; auger lost in bore at 95 ft.; abandoned.
- May Downs—Soak at 63 ft. and 112 ft.; flow at 807 ft., 820 ft., 875 ft., 905 ft., and at 938 ft. to 980 ft.; bottom in sandstone; total flow, 54 in. over 6-in. casing; bore lined with 156 ft. of 8-in. and 816 ft. of 6-in. casing; see Lic. 173.

368. Katnok, formerly Manfred No. 15—Original estimated flow, 110,000 g. p. d.; small flows at 700 ft. and 900 ft.; main flow at 1,060 ft. issues from a crack or fault in granite; lined with 63 ft. of 8-in. and 463 ft. of 6-in. casing. Inspected 18/11/96; flow, 99,100 g. p. d.; static head, 251 ft. to 333 ft.; temp., 129° F.; flow between 8-in. and 6-in. casing increased under pressure. Re-inspected 28/9/14; flow, 47,400 g. p. d.; temp., 126° F.; outlet, 16½ ft. above surface; small leak between casings; casing apparently quite uncorroded; CO₂ test negative; temperature taken at overflow of tank.

Proa, formerly Manfred No. 16—Original estimated flow, 185,000 g. p. d. Inspected 19/11/96; flow, 69,150 g. p. d.; static head, 95 ft. to 175 ft.; temp., 119° F.; bore lined with 82 ft. of 8-in. casing. Reinspected 30/9/14; flow, 27,300 g. p. d.; temp., 117° F.; casing perfectly sound; CO₂ test negative.

369. Manningham—Locality not known; data from newspaper reports.

370. Manuka Lease—

1. Met with some brackish water at 210 ft.; struck a supply at 2,476 ft., which rose to 40 ft. below surface; more water at 3,000 ft. in hard white fine sand (above 173 ft. of very hard blue sandstone); flow below 3,497 ft. in sand and pipe clay estimated at 460,000 g. p. d.; met with a coal seam at 4,250 ft.; bottom in sand and pipe clay; bore lined with 90 ft. of 8-in. and 3,091 ft. of 5-in. casing (990 ft. of 6-in. casing withdrawn); bore ceased to flow in 1901; W.L. in 1907 about 64 ft., and about August, 1910, it was about 80 ft. below surface. Inspected 22/8/11; W.L. not obtained; pump at 90 ft. below surface.
2. Original depth (1/6/09)=3,581 ft.; and flow, 3.5 in. over 5-in. casing; no other particulars to hand; bore ceased to flow in 1903. Inspected 21/8/11; W.L. at 50 ft., and pump at 60 ft. below surface; total depth of bore stated to be 4,100 ft.
3. Met with a soak of salt water at 78 ft.; a small supply at 100 ft., and the main supply at 137 ft.; bore lined with 34 ft. of 10-in. and 209 ft. of 8-in. casing. Inspected 13/5/15; W.L. at 90 ft., but falls to 150 ft. while being pumped; water very brackish; horses will not drink it.
4. Struck salt water at 93 ft.; small supplies at 163 ft. and 200 ft.; original W.L. at (?)153 ft. below surface; bore lined with 206 ft. of 8-in. casing. Inspected 14/5/15; W.L. at 80 ft., but is lowered to 130 ft. while pumping; water brackish.
5. Struck water at 110 ft., 163 ft., and 203 ft.; original W.L. at 108 ft.; bore lined with 8-in. casing. Inspected 24/5/15; W.L. at 108 ft.; water brackish.
6. Water at 120 ft. rose to 40 ft. below surface; more water at 162 ft.; bore lined with 228 ft. of 8-in. casing. Inspected 12/5/15; W.L. at 98 ft., but is lowered while pumping to 130 ft.; water brackish.
7. Water at 105 ft. and 249 ft.; bore lined with 277 ft. of 6-in. casing. Inspected 25/5/15; W.L. at 107 ft.; water fairly fresh.
8. First supply at 52 ft.; second at 148 ft. in 16 ft. of sandstone; bore lined with 174 ft. of 6-in. casing. Inspected 15/5/15; W.L. at 75 ft., but is pumped down to 130 ft.; water brackish.
9. Formerly known as Corktree Dam—Supply at 54 ft. and 189 ft.; bore lined with 218 ft. of 6-in. casing. Inspected 6/5/15; W.L. at 60 ft. below surface; water fresh and palatable.
10. Formerly known as Guests Dam—First supply at 60 ft.; second at 280 ft.; bore lined with 301 ft. of 6-in. casing. Inspected 5/5/15; W.L. at 70 ft.; pumped down to 130 ft.; water slightly brackish.
11. Water at 230 ft. rose to 90 ft. below surface; bore lined with 246 ft. of 6-in. casing. Inspected 25/5/15; W.L. recedes to 130 ft. when pumped; water brackish.
12. First supply at 280 ft. to 290 ft.; bore lined with 306 ft. of 6-in. casing. Inspected 11/5/15; W.L. at 100 ft.; pumped down to 130 ft.; water brackish.
13. Formerly known as McLean's Bore—First supply at 210 ft. to 220 ft.; main supply at 315 ft.; bore lined with 275 ft. of 6-in. casing (jammed at 275 ft.). Inspected 8/5/15; W.L. at 110 ft. below surface; water fairly fresh, with a slight bitter taste.
14. Small supply at 120 ft.; main supply at 435 ft. to 490 ft. in fine blue sandstone; bore lined with 273 ft. of 6-in. casing. Inspected 18/5/15; W.L. at 120 ft.; water fresh.

371. Malboona (Manuka Resumption)—

1. Deep bore; first supply at (?)2,850 ft. (brackish); main flow at 3,700 ft.; total original flow, 193,000 g. p. d.; stated that flow stopped suddenly about August, 1901; reported W.L. 18 ft. below surface about September, 1901, and pumped 35 ft. in 1907. Inspected 3/6/15; W.L. 45 ft. below surface; pumping supply, 23,000 g. p. d.; temp., 145° F.; water very good and palatable.
2. Supply at 250 ft. rose to 100 ft. below surface; lined with 285 ft. of 6-in. casing. Inspected 5/6/15; water brackish.

3. Known as No. 1 Hut—Main supply at 420 ft.; bore lined with 263 ft. of 6-in. casing; supply tested by engine with pump at 280 ft. Inspected 24/7/15; W.L. at 140 ft.; water fresh and drinkable.

4. Known as No. 2 South—Main supply at 280 ft.; bore lined with 232 ft. of 6-in. casing; pumping test from 250 ft. below surface. Inspected 24/7/15; W.L. at 174 ft.; water brackish.

5. Known as No. 2 North—Main supply at 390 ft.; bore lined with 120 ft. of 6-in. casing; supply tested to 15,000 g. p. d. Inspected 22/7/15; W.L. at 169 ft.; water fresh and drinkable.

6. Known as Wardoo—Struck water at 150 ft., 218 ft., 270 ft., and 290 ft.; bore lined with 100 ft. of 6-in. casing. Inspected 23/7/15; W.L. at 160 ft.; water slightly brackish.

7. Supply at 140 ft., 200 ft., and 250 ft.; bore lined with 80 ft. of 6-in. casing. Inspected 3/6/15; W.L. at 89 ft.; water brackish.

8. Main supply at 350 ft.; bore lined with 115 ft. of 6-in. casing; abandoned; casing to be withdrawn.

9. Water at 250 ft. in driftsand rose to about 130 ft. Inspected 2/6/15; water slightly brackish; bore to be abandoned.

10. No boring record; lined with 18 ft. of 6-in. casing. Inspected 4/6/15; W.L. at about 153 ft.; water brackish; bore to be abandoned.

11. In progress.

Weeba (Manuka Resumption)—

1. Supply at 80 ft., 230 ft., and about 400 ft.; a shaft to 254 ft.; bore lined with 6-in. casing. Inspected 28/8/15; W.L. at 80 ft.; water slightly brackish.

2. Marion Creek—Water at 145 ft. and 230 ft.; supply, 8,600 g. p. d.; pump at 180 ft.

Knapdale—

1. Main water at 410 ft.; rose to 200 ft.; lined with 6-in. casing; reported in December, 1914; water brackish.

2. Called Well—Main water at 380 ft.; rose to 150 ft.; reported in December, 1914; water brackish.

372. Maranoa Downs—Not located; data from newspaper reports.

373. Marathon Lease—

1. Original depth, 1,090 ft.; estimated flow, 900,000 g. p. d.; temp., 98° F.; bore deepened in September, 1906; lined with 1,000 ft. of 6-in. and 300 ft. of 5-in. casing. Inspected 21/6/15; flow, 492,000 g. p. d.; temp., 107° F.; water good and soft.

2. Original reported flow, 900,000 g. p. d.; temp., 128° F.; bore lined with 1,442 ft. of 5-in. casing. Inspected 25/10/14; flow, 79,000 g. p. d.; 5-in. casing projects 4 ft. above ground, and is slightly corroded. Small deposit of red iron oxide in bore drain. Reinspected 23/4/15; flow not gauged; water good and soft.

3. Original estimated flow, 630,000 g. p. d.; bore deepened in August, 1899, no data; bore lined with 1,200 ft. of 6-in. and 1,800 ft. of 5-in. casing. Ceased to flow about 1904; reported W.L. in 1906=8 ft. below surface. Inspected 9/6/15; W.L. at 33 ft.; water good and soft.

4. Original estimated flow, 720,000 g. p. d.; bore lined with 570 ft. of 5-in. casing. Inspected 29/6/15; flow, 151,700 g. p. d.; temp., 98° F.; water good and soft.

5. Original depth, 900 ft.; flow, 50,000 g. p. d.; temp., 90° F.; a woolscouring plant has been erected at the bore site; bore deepened in February, 1902; estimated flow, 630,000 g. p. d.; ceased to flow; date not known.

6. Original reputed flow, 640,000 g. p. d.; flows at 1,060 ft. and 1,460 ft.; bore lined with 1,100 ft. of 6-in., 1,250 ft. of 5-in., and 550 ft. of 4-in. casing; bore deepened in November, 1906, from 1,182 ft. to 1,719 ft.; no data. Inspected 24/10/14; flow, 142,000 g. p. d.; casing at surface very thin and slightly corroded; red oxide in bore drain. Reinspected 15/4/15; flow not gauged; water very good and soft.

7. Flow at 1,460 ft. and 1,950 ft.; ore deepened in January to April, 1898; flow, 6 in. over 6-in. casing; ore lined with 1,400 ft. of 6-in. and 550 ft. of 5-in. casing; ceased to flow before 1906; W.L., 14 ft. below surface in November, 1907. Inspected 12/5/15; W.L., 30 ft. below surface; water very good and soft.

8. Original estimated flow, 630,000 g. p. d.; bore lined with 1,300 ft. of 6-in. and 500 ft. of 5-in. casing; ceased to flow on 20/2/13; W.L. in December, 1913=2 ft. below surface. Inspected 5/6/15; W.L. at 7 ft.; water very good and soft.

9. Struck flow at 785 ft. and 1,180 ft. flowing originally 17½ in. over 6-in. casing; ore lined with 800 ft. of 6-in. casing. Inspected 23/6/15; flow, 11,600 g. p. d.; casing on surface corroded away by water; water good and soft.

9a. Supply at 250 ft. rose to 90 ft., and at 780 ft. to within 1 ft. of surface; flow at 1,245 ft., 1,310 ft., 1,360 ft., and 1,410 ft.; total flow, 11 in. over 5-in. casing; bore lined to 790 ft. with 6-in. casing and from 100 ft. to 1,465 ft. with 5-in. casing. Inspected 23/6/15; flow, 252,550 g. p. d.; temp., 109° F.; water evidently corrosive.

10. Former estimated flow, 460,000 g. p. d.; bore cased with 1,115 ft. of 6-in. and 690 ft. of 5-in. casing; 6-in. casing on top replaced in November, 1905, owing to corrosion. Inspected in October, 1914; flow, 107,000 g. p. d. Re-inspected 21/4/15; flow not gauged; water good and soft.
 11. Met with sandrock from 1,380 ft. to 1,500 ft. and from 1,800 ft. to 2,000 ft.; bottom in red clay and shale; bore lined with 1,380 ft. of 6-in. and 2,238 ft. of 5-in. casing. Inspected 22/5/15; W.L. at 50 ft. from surface; water very good and soft.
 12. Supply at 815 ft. rose to within 15 ft. of surface; flow at 1,115 ft., then gradual increase from 1,175 ft. to 1,512 ft.; total flow, 5 in. over 5-in. casing; bottom in red clay; bore lined to bottom, with 815 ft. of 6-in. and 802 ft. of 5-in. casing. Inspected 24/6/15; flow, 157,600 g. p. d.; temp., 104° F.; water very good and soft.
 13. Main flow at 1,880 ft.; measured flow on 12/3/14=75,000 g. p. d.; bore terminated on (?) granite; lined with 1,210 ft. of 6-in. and (?) 600 ft. of 5-in. casing; ceased to flow on 20/2/15. Inspected 5/6/15; W.L. at 5 ft. below surface; windmill to be erected.
 14. Sub-artesian supplies at 1,350 ft., 1,790 ft., and 1,880 ft.; flow of about 40,000 g. p. d. at 1,920 ft.; main flow at 1,980 ft.; total estimated flow, 180,000 g. p. d.; bottom in red marl; bore lined with 502 ft. of 8-in. and 1,792 ft. of 6-in. casing; Lic. 167. Inspected 21/5/15; flow, 49,500 g. p. d.; temp., 118° F.; water very good and soft.
 15. Flow of about 80,000 g. p. d. at 1,003 ft., main flow at 1,447 ft.; total estimated flow, 1,160,000 g. p. d.; bottom in sandrock; bore lined with 504 ft. of 8-in. and 1,447 ft. of 6-in. casing; Lic. 190. Inspected 22/6/15; flow, 607,250 g. p. d.; water very clear and soft.
 16. Supply at 1,265 ft. rose to within 14 ft., flows at 1,740 ft., 1,860 ft., and 1,920 ft.; total estimated flow, 150,000 g. p. d.; bottom in 6 ft. of red marl; bore lined with 446 ft. of 8-in. and 1,714 ft. of 6-in. casing; see Lic. 244. Inspected 9/6/15; flow, 156,450 g. p. d.; temp., 114° F.; water very good and soft.
 17. Soak of brackish water at 120 ft., supply at 628 ft. rose to within 20 ft.; flow of about 50,000 g. p. d. at 840 ft.; main flow at 1,019 ft.; total estimated flow, 1,250,000 g. p. d.; bottom in sandstone; bore lined with 319 ft. of 8-in. and 955 ft. of 6-in. casing; see Lic. 245. Inspected 30/6/15; flow, 825,500 g. p. d.; temp., 104° F.; water very good and soft.
- Hillview—Water at 1,120 ft. rose to within 25 ft., at 1,780 ft. to within 4 ft.; bottom in red marl; lined with 365 ft. of 8-in., 1,580 ft. of 6-in., and 301 ft. of 5-in. casing; see Lic. 264.

374. Marathon Resumption—

Clare Valley—Original flow, 64 in. over 6-in. casing or about 2,000,000 g. p. d., with large quantity of inflammable gas; bore lined to first sandstone at about 900 ft. with 6-in. casing. Inspected 6/10/13; flow, 660,000 g. p. d.; temp., 118° F.; casing at surface badly eaten by corrosion or by sand filing action; very little iron oxide in bore drain; considerable quantity of gas in flow.

Tweedsmuir—Reported depth in March, 1897=1,400 ft.; flow, 240,000 g. p. d. Flow diminished considerably, and bore was deepened in 1906; estimated flow after deepening 900,000 g. p. d.; first flow at 1,100 ft., and second flow near 1,700 ft.; bore lined to 900 ft. with 6-in. casing (now broken at 10 ft. below surface); thence with 250 ft. of 5-in. casing, upper 50 ft. resting on old casing to fill uncased gap. Inspected 2/10/13; flow, 359,000 g. p. d.; temp., 113° F.; a little red deposit in bore drain and a small quantity of gas in flow.

Vernon Downs—

1. No boring records; bore deepened by 200 ft. in November, 1911; original estimated flow, 1,400,000 g. p. d. Reported on 29/1/13 that flow was erratic and that casing was corroded away in places; depth stated to be 1,517 ft.; see Lic. 126. Inspected 25/9/15; estimated flow about 175,000 g. p. d.; bore practically stopped flowing before the lower flow in No. 2 bore was struck.
2. Sunk 1½ chains east of No. 1 bore. Struck soakage at 30 ft., 350 ft., and at 410 ft.; flows at 940 ft., 1,120 ft., 1,166 ft., 1,272 ft., and at 1,434 ft. to 1,534 ft.; bottom in pipe clay; total flow, 15 in. over 6-in. casing; bore lined with 373 ft. of 8-in. and 952 ft. of 6-in. casing. Inspected 25/9/15; flow, 603,000 g. p. d.

Brucedale—Original flow, 10 in. over 6-in. casing. Inspected 1/7/14; flow, 291,900 g. p. d.; temp., 111° F.; cased with 1,255 ft. of 6-in. casing and 509 ft. of 5-in. casing; water evidently corrosive; much red oxide in bore drain; some gas in flow. Reinspected 15/4/15; flow, 270,400 g. p. d.; water good and soft; thick coating on casing.

Moselle Downs—

1. Water at 1,360 ft. flowed for twenty minutes, then receded to 30 ft.; good flow at 2,060 ft.; and at 2,270 ft.; main flow at 2,500 ft.; total flow below 300,000 g. p. d.; hard rock from 2,865 ft. to 2,880 ft. (?)

granite; bore lined with 78 ft. of 8-in. and 2,275 ft. of 6-in. casing. Inspected 13/5/15; flow, 54,700 g. p. d.; water very good and soft.

2. Water at 1,410 ft. rose to surface; flow at 2,150 ft., 2,317 ft., 2,512 ft., 2,601 ft., and 2,684 ft.; total flow about 2½ in. over 6-in. casing; bottom in hard rock; bore lined with 62 ft. of 8-in. casing and to sandrock with 6-in. casing; see Lic. 83. Inspected 14/5/15; flow, 156,450 g. p. d.; water very good and soft.

Essex Downs—

1. Original estimated flow, 900,000 g. p. d.; data from newspaper reports.
2. Original estimated flow, 1,750,000 g. p. d.; data from newspaper reports.

Lascelle's Portion 202—Flow of about 80,000 g. p. d. at 776 ft. to 800 ft., increased to about 135,000 g. p. d. at 840 ft. to 855 ft.; bore lined with 70 ft. of 8-in. and 776 ft. of 6-in. casing; bottom in pipeclay; see Lic. 68.

Bellevue—Supply at 1,375 ft. rose to 750 ft. and at 1,440 ft. to within 63 ft.; bottom in sandrock; bore lined with 1,450 ft. of 6-in. casing; see Lic. 247.

375. Marion Downs Lease—

- 1A and 1B only a foot apart; 1B ran into 1A; 1C 6 ft. from 1A and 1B.
- 1C. Water contained from 2 oz. to 4 oz. of salt per gallon.
2. Flow at first 5,000 gallons per day; ceased after withdrawing outer casing.
3. Some fresh water at 52 ft. and 76 ft.; flow of about 45,000 g. p. d. at 143 ft.; bottom in limestone; lined with 19 ft. of 8-in. and 125 ft. of 6-in. casing; see Lic. 277.

Herbert Downs—Data from newspaper report.

376. Maroomba Selection—

Bores Nos. 1, 2, 4, 5, and 7 were inspected in October, 1914. The supplies of the shallow bores were all met with in a layer of green-sand and are apparently of a local source only.

7. Small flow at 2,030 ft. to 2,085 ft.; increase at 2,537 ft., 2,575 ft., and 2,795 ft.; total flow, 375,000 g. p. d.; bottom in sandrock; lined with 583 ft. of 8-in., 2,535 ft. of 6-in., and 445 ft. of 5-in. casing; see Lic. 81.
8. Flow at 2,337 ft. and 2,970 ft.; total flow, 226,000 g. p. d.; bottom in white clay; lined with 522 ft. of 8-in., 2,884 ft. of 6-in., and 500 ft. of 5-in. casing; see Lic. 267.

377. Maxwellton Lease—

1. Formerly called 12-Mile Paddock—Completed to 1,335 ft. on 9/2/92; flow, below 1,290 ft. estimated at 445,000 g. p. d.; deepened before 1902; estimated flow, 900,000 g. p. d.; temp., 126° F.; lined with 6-in. casing. Inspected 5/10/16; flow, 506,000 g. p. d.; temp., 127° F.; water very clear and soft.
2. Original flow 12 in. over 6-in. casing or about 630,000 g. p. d.; reported estimated flow in 1902=500,000 g. p. d. Inspected 5/10/16; flow, 285,840 g. p. d.; temp., 119° F.; water very clear and soft.
3. Flow below 1,500 ft.; originally 21 in. over 5-in. casing or about 580,000 g. p. d.; reported estimated flow in 1902=300,000 g. p. d. Inspected 9/10/16; flow, 176,370 g. p. d.; temp., 121° F.; water clear and soft.
4. Formerly known as Rosewood Gully—Main flow at 1,330 ft.; flow on completion estimated at 635,000 g. p. d.; reported flow in 1902=300,000 g. p. d.
5. Formerly called Coolibah Creek—Struck flow at 1,050 ft.; bottom in 185 ft. of sandrock; lined with 5-in. casing; original flow 37 in. over casing or about 810,000 g. p. d.; temp., 110° F.; reported estimated flow in 1902=720,000 g. p. d. Inspected 26/9/16; flow, 384,600 g. p. d.; temp., 109° F.; water very clear and soft.
6. Flow at 1,107 ft.; bottom in 300 ft. of sandstone; original flow 19 in. over 6-in. casing or about 900,000 g. p. d. Inspected 23/9/16; flow, 371,760 g. p. d.; temp., 117° F.; water very clear and soft.
7. Formerly known as Beta—First flow at 1,560 ft.; flow on completion 24 in. over 6-in. casing or about 960,000 g. p. d.; temp., 126° F. Inspected 10/10/16; flow, 384,600 g. p. d.; temp., 128° F.; flow, 4¼ in. over 6-in. casing; water clear and soft.
8. Formerly called Blantyre—Water-bearing sandstone from 1,170 ft. to bottom; original flow 16 in. over 6-in. casing; or about 810,000 g. p. d. Inspected 26/9/16; flow 464,400 g. p. d.; temp., 113° F.; water very clear and soft.

378. Wimmera—Original reputed flow, 900,000 g. p. d.; 14 miles of bore drains; flow at a later date, 725,000 g. p. d.

Bundorin—Flowing 24 in. over casing in 1902; flow at a later date, 900,000 g. p. d.

Coleraine—Data doubtful.

Simkins—Data doubtful.

Rodley—Salt water at 130 ft.; supply at 1,181 ft. rose to 20 ft. below surface; small flow at 1,203 ft.; increase at 1,338 ft. to 1,538 ft.; total flow, 49 in. over 6-in. casing; bore lined with 51 ft. of 10-in., 161 ft. of 8-in., 1,176 ft. of 6-in., and 384 ft. of 5-in. casing; see Lic. 50.

379. Merina—A well to 98 ft.; bored 17 ft.; site selected by Mr. Corfield.

380. Mexico Lease—Data incomplete; see Permit 58.

381. Millungera Lease—

1. Original estimated flow, 1,300,000 g. p. d.; and depth, 740 ft.; bore lined to 616 ft. with 6-in. casing. Inspected 22/12/96; flow, 988,000 g. p. d.; static head, about 196 ft.; temp., 109.5° F.; large leakage outside casing; increasing under closure. Reinspected 27/12/14; flow, 1,208,000 g. p. d.; temp., 112° F.; the bore has evidently been deepened since previous inspection, but no particulars are available; considerable leak outside casing; 6-in. casing somewhat corroded, but fairly sound; very small quantities of gas present; CO₂ test = about 1.0 gr. p. g.
2. Original reputed flow, 2,410,000 g. p. d.
3. Original reputed flow, 2,700,000 g. p. d. Inspected 22/12/14; flow, 952,000 g. p. d.; most of the water issues outside the 6-in. casing and forms a cavity around the casing 6 ft. deep; casing somewhat corroded at surface and evidently eaten through at some point below, as surface sand is ejected through the casing in considerable quantities; occasional bubbles of gas are escaping; water somewhat acid to phenolphthalein.
4. Original reputed flow, 3,000,000 g. p. d. Inspected 21/11/12; temp., 105° F.; flow estimated at 810,000 g. p. d.; flow from between the 8-in. and 6-in. casing estimated at 50,000 g. p. d., and it increased under partial closure; upper length of casing quite loose and considerably corroded on top; a little red oxide in drains. Reinspected 15/1/15; flow, 615,000 g. p. d.; temp., 105.5° F.; corrosion on top of 6-in. casing pronounced; CO₂ = 2.0 gr. p. g.
5. Small flow at 750 ft.; second flow at 900 ft.; flow when struck estimated at 920,000 gallons, but diminished in about a fortnight to 725,000 g. p. d.
6. No data available; bore shown on 4-mile map 15D.
7. No data available; bore shown on 4-mile map 15D.
8. Originally a large flow; depth, &c., not known. Inspected 12/12/14; flow, 1,064,000 g. p. d.; temp., 108.5° F.; 6-in. casing at surface is slightly corroded; no other string of casing in bore; a little iron oxide in bore drain; gas detectible by odour only; a trace of CO₂ present.
9. Originally a very large flow; depth, &c., not known. Inspected 3/1/15; flow, 908,000 g. p. d.; temp., 110° F.; 10-in., 8-in., and 6-in. casing visible at surface; considerable flow between 8-in. and 6-in. casing; corrosion very slight; casing in good condition; no gas perceptible; water practically neutral to phenolphthalein indicator.
10. Original reputed flow, over 2,700,000 gallons per day; bore lined with 50 ft. of 8-in. and 650 ft. of 6-in. casing; for water beds and strata, see section 290 and Lic. 30. Inspected 22/11/12; flow, 1,544,000 g. p. d.; temp., 103° F.; 6-in. casing slightly corroded on top; very little gas in flow.
11. Original estimated flow, 455,000 g. p. d.; bore lined to 750 ft. with 6-in. casing; soak at 250 ft. and 600 ft.; flows at 750 ft. and 860 ft.; bottom of bore in 2 ft. of granite; see Lic. 29.
12. Original estimated flow, over 2,700,000 g. p. d.; bore lined with 52 ft. of 8-in. and 680 ft. of 6-in. casing; for water beds and strata, see section 291 and Lic. 69. Inspected 24/11/12; flow, 1,622,500 g. p. d.; temp., 106.5° F.; small flow from between 8-in. and 6-in. casing; interior of casing coated with fine black rust; very little gas present. Reinspected 19/12/14; flow, 1,420,000 g. p. d.; temp., 107.5° F.; estimated flow between casings, 2,000 g. p. d.; a little red iron oxide near bore head; top of casing slightly corroded; CO₂ test = 1.4 gr. p. g. at 100° F.

382. Milo Lease—

1. No reliable records to hand.
2. Small flows at 3,810 ft. and 4,165 ft.; flow increased gradually to 4,250 ft., flowing 9½ in. over 5-in. casing; bore lined with 71 ft. of 10-in., 1,248 ft. of 8-in., 2,875 ft. of 6-in., and 3,810 ft. of 5-in. casing; also a liner of 450 ft. of 4-in. casing at bottom; bore determined in sandrock; see Lic. 12.

383. Minnie Downs Lease—

1. Lined with 6-in. casing. Inspected in October, 1916; W.L. at 80 ft.; water good.
2. Lined with 54 ft. of 6-in. casing; borehole said to be crooked. Inspected in October, 1916; W.L. at 104 ft.; pump at 208 ft.
3. First water at 80 ft., more water at 760 ft.; lined to bottom with 5-in. casing. Inspected in October, 1916; W.L. at 120 ft. below surface.
4. Formerly known as No. 1 Bore—Salt water at 725 ft.; fresh water at 2,475 ft. rose to 180 ft. and at 3,390 ft. to within 120 ft.; bottom in 445 ft. of hard sandrock; lined with 1,953 ft. of 6-in. and 3,111 ft. of 5-in. casing. Pumping test on 17/4/02 from 180 ft. = 44,000 g. p. d.; total capacity estimated at 200,000 g. p. d.; reported W.L. in 1907 = 110 ft. below surface. Inspected in October, 1916; shaft sunk to W.L.

5. Water in green sandstone at 105 ft.; lined to bottom with 6-in. casing. Inspected in October, 1916; W.L. at 69 ft.

6. Formerly known as No. 2 Bore—Small flow at 2,900 ft., increase at 2,979 ft., 3,079 ft., 3,200 ft., and 3,650 ft., all in sandstone formation, thence 30 ft. of shale, below which sandstone was again met with and the main flow was tapped at 3,900 ft.; bedrock evidently not reached; total estimated flow on completion, 545,000 g. p. d.; lined to 2,600 ft. with 6-in. casing, thence with 5-in. casing to bottom. Inspected 28/10/16; flow, 346,500 g. p. d.; temp., 157° F.; casing badly corroded below clamps; large quantity of red sediment; water good.
7. Dry to 576 ft.; lined to bottom with 5-in. casing; water very salty, just good enough for stock; W.L. at 200 ft.
8. Dry to 624 ft.; lined to bottom with 5-in. casing; W.L. at 300 ft.; water very salt and very hard; good stock water when freshly drawn, but becomes very rank after standing for about 6 weeks.
9. Small supply at 200 ft., 250 ft., and 300 ft., better supply at 400 ft.; at 766 ft. a supply of 3,500 g. p. d. of very good water; W.L. at 110 ft.; pump at 518 ft.; lined with 760 ft. of 5-in. casing.
10. No boring records; W.L. at 80 ft.; water good.
11. Lined with 6-in. casing; W.L. at 80 ft.; water good.
12. Lined to bottom with 6-in. casing; W.L. at 140 ft.; water fit for domestic purposes.
13. Water at 265 ft.; lined to 117 ft. with 6-in. casing; W.L. at 200 ft.
14. Water at 365 ft. rose to 157 ft.; lined with 275 ft. of 6-in. casing; water too salt for human consumption.
15. Water rises to within 138 ft.; lined with 195 ft. of 6-in. casing; water good.
16. Water rises to within 200 ft.; lined with 170 ft. of 6-in. casing; water good.

Allawah Selection, Minnie Downs Resumption—

1. Small supply at 180 ft. and 290 ft. (water too salty); good supply of brackish water near bottom rose to 105 ft.; lined to bottom with 6-in. casing. Inspected —/10/16; water salty; W.L. at 75 ft.
2. Water in bands of sandstone rose to 75 ft.; a shaft to 100 ft. Inspected —/10/16; water salty, but fair stock water.
3. A supply of less than 3,000 g. p. d. at 175 ft. did not rise; no water below this depth; lined to bottom with 6-in. casing. Inspected —/10/16; water fair; a small temporary pump used to supply troughing; W.L. 60 ft. below surface.
4. Water at 480 ft. to 500 ft. in bands of sandstone rose to 190 ft.; no water below 500 ft.; lined with 505 ft. of 6-in. casing. Inspected —/10/16; W.L. at 190 ft.; water salty.
5. Supply at 140 ft. rose to 80 ft. and at 165 ft. to 70 ft. below surface (water in bands of sandstone); lined to 178 ft. with 5-in. casing. Inspected —/10/16; water very fair; W.L. 75 ft. below surface.
6. Water at 136 ft. and 474 ft.; unlimited supply rose to within 98 ft.; good stock water; pumping by windmill does not lower W.L.

Chrioo Downs, Minnie Downs Resumption—

1. Water at 85 ft. did not rise; at 105 ft. it rose to 70 ft., and at 195 ft. to within 50 ft.; lined with 226 ft. of 5-in. casing. Inspected 17/4/16; estimated supply, 6,000 g. p. d.
2. Water at 85 ft.; at 105 ft. it rose to 65 ft., and at 135 ft. to within 50 ft.; lined with 174 ft. of 5-in. casing. Inspected 17/4/16; water fresh.

384. Mitchell and Environs: Basalt Creek Selection—

1. Good supply at 40 ft.; at 160 ft. water rose to within 5 ft.; small flow at 432 ft.; bottom in 20 ft. of hard rock; lined with 60 ft. of 6-in. casing (dropped below surface); owner intends going deeper. Inspected 15/5/16; W.L. at surface; water used for steam boiler, domestic purposes, and irrigation.
2. Good supply at 80 ft.; lined to 34 ft. with 7-in. casing. Inspected 15/5/16; W.L. at 30 ft.; water good, but hard.
3. Small supply at 120 ft. in dark sand; lined to 80 ft. with 6-in. casing. Inspected 5/5/16; bore easily pumped dry by windmill.

Baynham—A salt soak at 40 ft.; supply in sand at 160 ft. rose to within 6 ft.; lined with one length of 5-in. casing; water good.

Dublin Street, Mitchell—Some hard water at 40 ft.; main supply at 120 ft. rose to within 27 ft.; bottom in blue shale; lined with 27 ft. of 6-in. and 127 ft. of 5-in. casing; see Permit 79. Reported W.L. in May, 1916 = 12 ft. below surface; for quality of water, see analysis.

Hospital—Fresh water at 110 ft. and 235 ft.; bore lined with 18 ft. of 6-in. and 251 ft. of 5-in. casing; see Permit 75. Inspected in May, 1916; W.L. at about 100 ft.; water used for all purposes.

W. Dean's (occupiers, Searle and Adams)—Main supply at 108 ft. Inspected in May, 1916; W.L. at 12 ft. below surface; for quality of water, see Analysis.

- C. H. Chapman's—Supplies at 25 ft., 48 ft., and 58 ft. cased off; main supply at 90 ft.; lined to 60 ft. with 6-in. and to bottom with 5-in. casing. Inspected in May, 1916; W.L. 12 ft. below surface; water good.
- H. J. Corbett's—No supply struck until at 160 ft.; lined to bottom with 6-in. casing; water good. Inspected in May, 1916; bore plugged.

Mitchell Down —

- Supply at 184 ft.; lined to bottom with 5-in. casing. Inspected in May, 1916; W.L. 25 ft. below surface; water very good.
- A supply at 40 ft.; main supplies at 290 ft. and 320 ft.; lined to bottom with 5-in. casing. Inspected in May, 1916; W.L. at 40 ft.; water of excellent quality.
- Main supply at 380 ft.; lined with 6-in. casing. Inspected May, 1916; pump at 150 ft.; water good, used for stock.
- A supply at 52 ft. and main supply at 162 ft.; lined to bottom with 5-in. casing. Inspected in May, 1916; W.L. at 25 ft.; water excellent; bore site chosen by Mansfield, water diviner; stated that a well 3 ft. distant did not tap the supply at 52 ft.
- Good supply at 75 ft.; main supply at 280 ft. in white sand; lined to bottom with 5-in. casing. Inspected in May, 1916; W.L. at 18 ft.; water fit for all purposes.
- Supply at 260 ft. rose to 40 ft. Water also used by J. C. Lethbridge, of Warrin Point. Not stated if inspected.

385. Mona Lease—

- Inspected 6/6/96; flow, 446,000 g. p. d.; static head, 196 ft. (initial); temp., 124° F.; a very small flow of brackish water issuing between 8-in. and 5-in. casing, but did not increase under pressure; 5-in. casing 7 ft. above ground. Reinspected 18/9/12; flow, 194,500 g. p. d.; static head, 116 ft. to 275 ft.; temp., 129° F.; leakage of 1,500 g. p. d. between casings was not affected by static test of 15 hours; water very soft, but of bad taste (possibly magnesia).
- Estimated original flow, 1,745,000 g. p. d. Inspected 20/9/12; flow, 1,045,000 g. p. d.; static head, 288 ft. to 347 ft.; temp., 136° F.; 6-in. casing cut off near surface; subjected to a static test of 4 hours; water good.
- Estimated original flow, 2,000,000 g. p. d. Inspected 22/9/12; flow, 1,250,800 g. p. d.; static head, 282 ft. to 330 ft.; temp., 134° F.; a leakage of 10,000 g. p. d. outside 6-in. casing was measured at the end of the static test lasting 13 hours; water very good.

386. Moreston Downs Lease—

- Soakage at 140 ft.; pumping supply at 309 ft.
- and 3. Finished in hard limestone; abandoned.

387. Beaudesert (Moreton)—Has collapsed (1895).

388. Moscow Selection—

- No boring records; bore abandoned; casing drawn; water salt.
- Situated 100 yards north of No. 11 bore; supply at 290 ft.; original W.L. at 120 ft.; bore lined with 280 ft. of 6-in. casing. Inspected 7/10/15; W.L. at 114 ft.; good stock water; bore abandoned.
- Situated at No. 11 bore; supply at 290 ft.; original W.L. at 120 ft.; bore lined with 280 ft. of 6-in. casing. Inspected 7/10/15; W.L. at 125 ft.; water better than that in No. 2 bore; bore abandoned.
- No boring records; bore lined with 200 ft. of 6-in. casing; water salt.
- No boring records; bore lined with 280 ft. of 6-in. casing.
- No boring records; original W.L. at 90 ft.; bore lined with 280 ft. of 6-in. casing. Inspected 9/10/15; W.L. at 70 ft.; No. 12 bore sunk in place of it; water brackish; bore abandoned.
- Original W.L. at 90 ft.; bore lined with 280 ft. of 6-in. casing. Inspected 9/10/15; W.L. at 71 ft.; water brackish; bore abandoned.; No. 12 bore sunk in place of it.
- Original W.L. at 91 ft.; bore lined with 280 ft. of 6-in. casing. Inspected 9/10/15; W.L. at 73 ft.; water brackish; No. 12 bore sunk in place of it; bore abandoned.
- Original estimated flow, 50,000 g. p. d. at 2,125 ft. to 3,170 ft., and at 3,880 ft.; bore lined with 300 ft. of 8-in., 2,700 ft. of 6-in., and 3,890 ft. of 5-in. casing. Inspected 3/1/13; flow, 26,000 g. p. d.; temp., 168° F.; outlet near surface; about half of the flow is issuing outside the 8-in. casing; non-inflammable gas present; terminated in primary rock. Reinspected 5/10/15; flow, 18,700 g. p. d.; temp., 164° F.; some large gas bubbles rise fairly quickly, and there is an odor of apparently sulphuretted hydrogen.
- No boring records; bore lined with 314 ft. of 8-in. and 490 ft. of 6-in. casing; W.L. at 152 ft. Inspected 4/10/15; pump at 285 ft.; poor stock water (saline).
- Supply at 494 ft.; tested to 9,600 g. p. d.; some more water at 500 ft., and at 630 ft. the yield was tested to 24,000 g. p. d.; bore lined with 300 ft. of 8-in. and 230 ft. of 6-in. casing (jointed by reducing socket); W.L. at 120 ft. Inspected 7/10/15; water fairly fresh with taste of soda; temp., 92° F.

- No boring records; bore lined with 300 ft. of 8-in. and 250 ft. of 6-in. casing; W.L. at 90 ft.; pump at 240 ft.; supply tested to 24,000 g. p. d. Inspected 19/10/15; water of brackish taste; temp., 94° F.
- No boring records; bore lined with 300 ft. of 8-in. and 275 ft. of 6-in. casing (jointed); pumping test at 309 ft.=28,800 g. p. d.; W.L. at 140 ft. Inspected 8/10/15; water fairly good; temp., 88° F.
- No boring records; bore abandoned; casing drawn.

389. Mount Abundance—

- Original estimated flow, 165,000 g. p. d.
- Boring records incomplete; W.L. 20 ft. below surface.
- Brackish water at 110 ft.; fresh water at 321 ft.; rose to 20 ft.; small dribble at 505 ft.; flow at 785 ft. and 932 ft.; bore in progress; see Lic. 323.

390. Mount Alfred Lease—Original estimated flow 1,115,000 g. p. d.; 10-in. and 6-in. casing visible. Inspected 28/12/13; flow, 675,200; temp., 138° F.; owner objected to pressure test being taken; slight odour of sulphuretted hydrogen in water; no gas noticeable.

391. Mount Cornish Lease—

- Original flow, 525,000 g. p. d.; depth, 2,320 ft.; temp., 129° F.; bore lined with 1,810 ft. of 6-in. casing and 86 ft. of 8-in. casing. Stated that flow diminished through caving, and that flow was regained after it was cleaned out; bore deepened at the same time by 250 ft.; result not known. Inspected 3/12/13; flow, 308,000 g. p. d.; temp., 129° F.; casing at surface very little deteriorated.
- Soakage at 310 ft.; small flow at 2,180 ft.; at 2,400 ft., flow 165,000 g. p. d., at 2,270 ft., 310,000 g. p. d., increasing to 385,000 g. p. d. up to 2,900 ft. Inspected 14/8/14; flow, 297,700 g. p. d.; temp., 149° F.; leak around 5-in. casing apparently coming up between the casings; slight odour of sulphuretted hydrogen in flow; deposit of soda at bore head.
- Originally Bowen Downs No. 7 bore—Former estimated flow, 365,000 g. p. d.; temp., 123° F.; flows at 1,650 ft. and 2,138 ft.; bore lined with 362 ft. of 8-in., 1,668 ft. of 6-in., and 860 ft. of 5-in. casing. Inspected 17/5/98; flow, 320,000 g. p. d.; static head, 37 ft. to 38.9 ft.; temp., 130° F.; estimated flow in 1907=180,000 g. p. d.; bore deepened (September, 1909, to April, 1910) from 2,500 ft. to 2,977 ft.; no data regards deepening to hand. Reinspected 6/8/13; flow, 36,000 g. p. d.; no static test made; slight leak between 5-in. and 6-in. casing. Reinspected 30/7/14; flow, 32,000 g. p. d.; temp., 133° F.
- Flow at 2,070 ft., 2,400 ft., and 2,850 ft.; 6-in. casing visible; flow in September, 1909=276,000 g. p. d.; in March, 1912=196,000 g. p. d.; in March, 1913=130,000 g. p. d., and in March, 1914=124,300 g. p. d. Inspected 29/7/14; flow, 100,000 g. p. d. (outlet lowered 12 in.); temp., 135° F.; very good water.
- Inspected 5/8/13; bore in progress; depth, 2,520 ft.; temp., 119° F.; bore lined with 20 ft. of 10-in., 70 ft. of 8-in., and 2,757 ft. of 6-in. casing; flow at 1,572 ft., 2,125 ft., 2,179 ft., 2,232 ft., 2,305 ft., and 2,690 ft.; bottom in hard sandstone; flow, 322,200 g. p. d.; see Lic. 59.
- Inspected 1/8/14; bore in progress; depth, about 600 ft.; small flows at 1,637 ft. and 2,141 ft.; main flow at 2,178 ft.; more water at 2,656 ft., finished in rock; measured flow, 521,800 g. p. d.; bore lined with 500 ft. of 8-in. and 2,897 ft. of 6-in. casing; see Lic. 182.

392. Mount Enniskillen and Birkhead Leases—

- In a flowing spring. Inspected 11/7/98; flow, 1,158 g. p. d.; static head, 7 ft. to 9 ft.; temp., taken after a frosty night. Reinspected 9/3/11; the bore requires periodical cleaning; water mineral, but suitable for stock.
- Lat. 24° 45' 25", Long. 146° 34' 30".
- Desert soak only. Abandoned 1896.
- to I. In desert formation.
 - Work suspended in April, 1899, at a depth of 800 ft.; sub-artesian supply at 868 ft., rose to 120 ft.; and at 1,600 ft. water rose to 10 ft. below surface; first flow at 2,300 ft., increasing to 2,900 ft.; after which depth no further supply was struck; two sets of tools in bore; reported flow in 1907=84,880 g. p. d. Inspected 25/2/11; no gaugings made.
 - Sub-artesian supply at 460 ft.; flows at 900 ft., 1,500 ft., and 2,000 ft.; from 2,000 ft. flow increased with depth; cased with 1,000 ft. of 6-in. casing, and 2,200 ft. of 4-in. casing; deepened from 1,742 ft. by John Tichborne; reported flow in 1907=254,650 g. p. d. Inspected 2/3/11; no gauging made; a large part of the flow issues between the casings.
 - Original flow 8 in. over 6-in. casing; bore lined with 150 ft. of 8-in. and 1,519 ft. of 6-in. casing. Inspected 15/4/11; no gaugings made.
 - Small supply at 84 ft.; main supply at 640 ft. rose to 43 ft.; lined with 108 ft. of 6-in. casing. Inspected 6/4/14; water good. Reported W.L. in February, 1917=45 ft. below surface.

5. Original flow, 5.75 in. over 6-in. casing; soak at 130 ft., flow at 800 ft., 1,100 ft., at 1,500 ft. to 1,600 ft. (main flow), and at 1,730 ft.; lined with 52 ft. of 8-in. and 1,186 ft. of 6-in. casing. Inspected 29/3/11; estimated flow, 435,000 g. p. d.; water good.
6. No boring records; bore abandoned; casing left in bore.
7. For strata, etc., see bore section 295 and Notice 15; flow on completion about 175,000 g. p. d.; stated that 6-in. casing has parted and that some tools are left in bore. Inspected 29/7/16; flow, 13,130 g. p. d.; temp., 95° F.
8. For strata, etc., see bore section 294 and Notice 14. Flow on completion about 635,000 g. p. d. Inspected 10/8/16; flow, 133,000 g. p. d.; temp., 110° F.
9. Fresh water at 82 ft. rose to 62 ft., and at 282 ft. to 40 ft. below surface; flow at 779 ft., estimated at 90,000 g. p. d.; bottom in shale; lined with 36 ft. of 10 in., 54 ft. of 8-in., and 880 ft. of 6-in. casing. Inspected 8/1/15; estimated flow, 65,000 g. p. d. Inspected 5/8/16; flow, 56,000 g. p. d.; temp., 91° F.
- Tralee—No boring records; lined with 5-in. and 4-in. casing; water good.
- Commissioner—Supply at 331 ft. rose to 188 ft. (no other data); lined with 20 ft. of 8-in. and 326 ft. of 6-in. casing; reported W.L. on 17/2/17=25 ft. below surface.
- Cheetham—Water at 230 ft. rose to 76 ft.; lined with 242 ft. of 6-in. casing; water fresh.
- Cheetham East—Water at 200 ft. rose to 73 ft.; lined with 38 ft. of 10-in. and 289 ft. of 6-in. casing.
- Twelve-mile—Water at 250 ft. rose to 125 ft.; lined with 257 ft. of 6-in. casing.
- Dam Paddock—Water at 740 ft. rose to 223 ft.; lined with 460 ft. of 6-in. and 286 ft. of 4-in. casing; large supply.
- Birkhead (new)—Water at 411 ft. rose to 35 ft.; lined with 40 ft. of 8-in. and 100 ft. of 6-in. casing; large supply.
- Delahunty No. 1—Fresh water at 756 ft. rose to 225 ft.; lined with 385 ft. of 6-in. and 434 ft. of 4-in. casing.
- Delahunty No. 2—Lined with 259 ft. of 6-in. and 698 ft. of 5-in. casing; reported W.L. in —/2/17=200 ft. below surface.
- Kelpun—Lined with 460 ft. of 6-in. casing; reported W.L. in —/2/17=380 ft. below surface; good supply of fresh water.
- Chinaman No. 1—Water at 195 ft. and 410 ft.; at 540 ft. water rose to 176 ft. below surface; lined with 570 ft. of 6-in. casing; water brackish.
- Chinaman No. 2—Fresh water at 200 ft. rose to 40 ft.; lined with 150 ft. of 6-in. casing.
- The Springs—Flow of about 20,000 g. p. d. below 280 ft.; lined with 348 ft. of 5-in. casing; water fresh. Inspected 20/12/16; flow, 12,770 g. p. d.; static head very small; temp., 84° F.
- Killarney No. 1—A soak at 75 ft.; fresh water at 100 ft. rose to 75 ft.; lined with 150 ft. of 6-in. casing.
- Killarney No. 2—A large supply of bad, brackish water at 200 ft. rose to 120 ft. below surface; lined with 200 ft. of 6-in. casing.
- Shady Downs—Water at 350 ft. did not rise; lined with 380 ft. of 6-in. casing; good supply.
- Myall Grove Selection—
1. Water at 34 ft. rose to 18 ft., at 240 ft. to 6 ft. below surface; lined with 30 ft. of 8-in. and 300 ft. of 6-in. casing; water fresh; pumped down to 60 ft.
 2. Large supply of fresh water at 67 ft. did not rise, but is not lowered by pump below this level; lined with 102 ft. of 6-in. casing.
 3. Water at 88 ft. rose to 80 ft.; lined with 286 ft. of 6-in. casing.
- Glenleigh—Water at 80 ft. rose to 30 ft.; large supply of fresh water at 200 ft. did not rise above 200 ft.; lined with 200 ft. of 6-in. casing.
- Myola—No data.
- Brain's No. 1—Water at 120 ft. did not rise; lined with 300 ft. of 6-in. casing.
- Brain's No. 2—Water at 280 ft. rose to 246 ft.; lined with 340 ft. of 6-in. casing; reported W.L. on 17/2/17 at 280 ft. below surface.
- 393. Macfarlane Downs, Mount Enniskillen Resumption—**
1. Main supply at 122 ft., rose to 60 ft.; lined with 18 ft. of 6-in. casing. Inspected 18/2/11; water salt; not used; intended to deepen this bore.
 2. Main supply at 114 ft. rose to 76 ft.; lined with 100 ft. of 6-in. casing. Inspected 20/2/11; water slightly brackish; not used.
- Doyle's Selection—
1. Main supply at 360 ft., and a little salt water 600 ft.; W.L. at 120 ft.; lined with 770 ft. of 5-in. casing. Inspected 27/1/11; water brackish; not used at present.
 2. Main supply at 220 ft.; W.L. at 100 ft. below surface; lined with 440 ft. of 5-in. casing. Inspected 31/1/11; water brackish; W.L. falls below main waterbed when pumped.
- 394. Mount Howitt—Data from newspaper reports.**
- 395. Bellevue Downs, Mount Marlo Resumption—Met a salt soak at 212 ft., fresh water at 720 ft., rose to about 250 ft. below surface; bottom in sand; bore lined with 717 ft. of 6-in. casing; see Permit 54.**
- 396. Mount Mobil Lease—Met a soak 20 ft. and a small supply of fresh water at 576 ft.; bottom in sandy shale; bore lined with 464 ft. of 6-in. casing; see Permit 49.**
- 397. Mount Morris Lease—**
Currajong—Original flow by owner=172,000 g. p. d. (1½ in. over 6-in. casing); temp., 136° F., and outlet 1 ft. above surface.
Norah Park, Mount Morris Resumption—Data from newspaper report.
Cairns, Mount Morris Resumption—Original estimated flow over 1,100,000 g. p. d.; flow at 2,138 ft., and at 2,408 ft. with an increase at 2,438 ft., and some occasional increases towards the bottom; bore lined with 57 ft. of 7-in. and 2,389 ft. of 6-in. casing. Inspected 13/11/14; flow, 401,700 g. p. d.; temp., 132° F.; water seems to be heavily charged with salts and is disagreeable to taste on standing; a fair quantity of green fungus present, but no definite evidence of corrosion.
- 398. Mount Russell Estate, etc.—Data from newspaper reports.**
- 399. Muckadilla Environs—Crockentigh or Urella bore—Water at 500 ft., rose to within 45 ft.; flow at 2,900 ft. estimated at 85,000 g. p. d.; bottom in quartz; lined with 202 ft. of 6-in. and 2,854 ft. of 5-in. casing; see Notice 3.**
- 400. Mulga Downs Lease—**
1. Inspected 11/1/96; depth, 1,687 ft.; flow, 637,760 g. p. d.; temp., 118° F.; depth by owner, 19/5/01, 1,896 ft.; and flow, 900,000 g. p. d. Reinspected 30/8/12; flow, 667,520 g. p. d.; static head, 267 ft. to 361 ft.; temp., 116.5° F.; outlet 6 ft. above surface; a leakage between 5-in. and 8-in. casing; increased from 4,000 g. p. d. to 65,000 g. p. d. during static test of four hours, but ceased again on relieving pressure; a discharge of blue shale, etc., was noticed one minute after reopening; first flow below 1,200 ft. very small; second flow below 1,600 ft. about 250,000 g. p. d.; third flow at bottom; bore water irrigated successfully a 40-acre paddock for the last twelve years (20 acres each year of wheat); casing covered 1½ in. thick with a very tough variegated fungus.
 2. Inspected 16/1/96; bore in progress; flow, by owner, 1/7/01=187,800 g. p. d. Reinspected 24/8/12; flow, 139,000 g. p. d.; static head, 230 ft. to 319 ft.; temp., 122° F.; duration of static test two hours; maximum pressure computed; outlet 5 ft. above surface; first flow below 1,600 ft.; second flow below 1,800 ft.
- 401. Mundjuro—No boring returns; see Lic. 152.**
- 402. Mungallala Environs—K. Beale's—Met with brackish water at 331 ft. in 4 ft. of sandstone; lined to bottom with 5-in. casing; W.L. on completion at 271 ft. Inspected 15/2/16; water fit for stock only; has a very corrosive action.**
G. T. Jukes—Water at 320 ft. in 17 ft. of honeycomb sandstone, rose to 220 ft.; lined with 6-in. casing. Inspected 7/3/16; water good, not used.
- 403. Murra Murra Lease—Inspected 18/5/96; flow, 1,175,300 g. p. d.; temp., 126° F.; pressure very high; cased with 5-in. casing to 1,619 ft. Reinspected 28/9/12; flow, 1,036,200 g. p. d.; temp., 124° F.; casing completely corroded through from without above first joint (sound below). This is probably caused by the fine spray from the plug-valve which throttles the flow, also the electrolytic effect of the brass or gunmetal may accentuate the effect. Woolerina No. 1 and Victo bore, which are provided with similar valves are in the same condition. Reinspected 24/9/14; flow, 899,700 g. p. d.; temp., 124° F.; new valve provided and corroded casing replaced; partial pressure test only, to a head of 192 ft. when apparently a slight leak appeared outside the casing; no gas visible.**
Cockatara, Murra Murra Resumption—Soak of salt water at 25 ft., and of fresh water at 470 ft.; small flow at 500 ft.; fair flow at 1,380 ft.; good flow at 1,440 ft. and 1,576 ft.; total flow, 12 in. over 6-in. casing; lined with 505 ft. of 8-in. and 1,599 ft. of 6-in. casing; bottom in hard quartzite; see Lic. 263.
- 404. Murweh Lease—**
1. Original estimated flow, 2,000,000 g. p. d.; temp., 115° F. Inspected 2/5/97; flow, 1,405,400 g. p. d.; outlet then 11.25 ft. above surface, and flow probably throttled by a plug valve; about 150,000 g. p. d. is issuing between the 8-in. and 6-in. casing; pressure not taken. Reinspected 14/11/10; 6-in. bore head completely rusted off above clamps; a closed-in wooden box was constructed over the bore to conduct the water over some elevated ground; partial flow at end of outlet pipe, 833,640 g. p. d., under a static head of 34 ft. at the bore; temperature at end of outlet pipe, 114.5° F.; probable free flow at the surface of bore, 1,085,000 g. p. d.; slight leakage outside 8-in. casing. Reinspected 11/4/15; flow, 747,200 g. p. d.; temp., 114.5° F.; the wooden box over the bore is now concreted in, and the leakage from the bore head is estimated at 2,000 g. p. d. Reinspected 16/10/15; flow, 737,400 g. p. d.; temp., 112.5° F.

2. Original estimated flow, 545,000 g. p. d.; temp., 106° F.; bore lined with 8-in. casing. Inspected 4/5/97; flow, 256,930 g. p. d. Reinspected in November, 1910; flow, 202,150 g. p. d.; static head, 90 ft. to about 93 ft.; temp., 105° F.; outlet 6 ft. above ground; free flow, 1.75 in. over 8-in. casing; depth stated to be 1,298 ft.; bore discharging very small pebbles of sandstone and shale; also a little gas. Reinspected 6/5/15; flow, 176,400 g. p. d.; temp., 104.5° F.; flow over outlet, 1.5 in.
3. Original estimated flow, 455,000 g. p. d.; temp., 120° F.; bore lined with 8-in. and 6-in. casing. Inspected 30/4/97; flow, 268,400 g. p. d.; outlet, 13 ft. above surface. Reinspected 19/11/10; flow, 196,900 g. p. d.; static head, 25 ft. to 120 ft.; temp., 116½° F.; outlet, 2 ft. above surface; 6-in. casing fairly sound, but pitted on the outside.
4. Original reputed flow, 2,700,000 g. p. d.; bore lined with 8-in. and 6-in. casing. Inspected 30/4/97; flow, 706,100 g. p. d.; outlet, 5 ft. above ground; about half of the flow is issuing between the casings; stated that early in 1907 the 6-in. casing, with attached clamps and wooden supports, subsided about 18 in. Reinspected 11/11/10; flow, 457,600 g. p. d. at surface; stated that in 1909 flow was cut off for three weeks, which caused the bore head to sink out of sight and scoured a hole 20 ft. in diameter and 10 ft. deep; two additional lengths of casing were screwed to the sunken bore head, but only about 50,000 g. p. d. are now flowing 5.75 ft. above the surface. Reinspected 11/4/15; flow, 371,800 g. p. d.; temp., 112° F.
5. Sub-artesian supply at 105 ft. rose to 70 ft.; flows tapped at 1,345 ft., 1,356 ft., 1,547 ft., 1,600 ft., 1,644 ft., 1,753 ft., and 1,780 ft.; first flow in a sand bed; others in sandrock from 5 ft. to 40 ft. thick; very troublesome drift sand at 270 ft.; clay at bottom of the bore; lined with 10-in. casing to 50 ft., 8-in. to 311 ft., and 6-in. to 1,780 ft.; Pelton wheel employed for driving sheep-shearing machines, &c. Inspected 10/11/10; flow, 1,241,600 g. p. d.; maximum static head of about 187 ft. was extrapolated from dynamic curve, as manager would not allow the pressure being raised above 70 lb. per square inch; temp., 115° F. Reinspected 21/12/11; static head only taken=166 ft. to 180 ft.; duration of test, 32 minutes. Reinspected 12/4/15; flow, 1,151,000 g. p. d.; the original working pressure to Pelton wheel has fallen from nearly 39 lb. to 33 lb. per square inch; temp., 114° F. Reinspected 14/12/15; flow practically the same; temp., 113° F.

Murweh Resumption—

Rutherford's—Former flow much larger; slight leakage outside of casing, which increases under pressure; outlet, 5 ft. above surface; head at outlet, 2 ft.; 4-in. casing rusted through in places near the surface. Inspected in November, 1910; flow, 161,460 g. p. d.; static head, 40 ft. to 57 ft.; temp., 111.3° F.

Kenmore, or Wheatleigh—Three water-bearing beds, the lowest 40 ft. thick; owner states that depth is 1,898 ft., and did not permit the valve to be closed; outlet, 3 ft. above surface. Inspected in November, 1910; flow, 229,000 g. p. d.; temp., 116° F.; about 20 miles of bore drains. Reinspected 21/10/15; flow, 202,000 g. p. d.; temp., 115° F.

Springfield, or Yanna—Original estimated flow, 725,000 g. p. d. Inspected 4/11/10; flow, 330,000 g. p. d.; static head, 63 ft. to 95 ft.; outlet, 3 ft. above surface; while flushing, a quantity of sandy shale chips were discharged from the bore.

Quilberry—Inspected 17/11/10; flow, 1,232,500 g. p. d.; static head, 168 ft. to 184.5 ft.; temp., 114° F.; sub-artesian supply at 240 ft.; last flow at 1,877 ft.; bore cased with 157 ft. of 10-in. casing, 388 ft. of 8-in., and 1,877 ft. of 6-in. casing; stated that bore runs over 50 miles of bore drains. Reinspected 14/4/15; flow, 1,097,600 g. p. d.; temp., 115° F.; 6-in. casing now badly corroded on outside.

405. Brookwood, Muttaburra District—

1. Original estimated flow, 720,000 g. p. d.; temp., 160° F.; lined with 10-in., 7-in., and 6-in. casings. Inspected 18/8/14; flow, 371,760 g. p. d.; temp., 154.5° F.; bore head thickly coated with incrustation; water very good.
2. Original flow not known; lined with 5-in. and 6-in. casings. Inspected 10/8/14; flow, 321,800 g. p. d.; temp., 143.75° F.; large volume of minute, non-inflammable gas bubbles in flow; water very good.

Ambo Selection—

1. Original estimated flow, 320,000 g. p. d.; stated that the 6-in. casing collapsed at the bottom, and that a 5-in. liner was put in, but that the flow was not recovered. Inspected 25/5/16; flow, 65,800 g. p. d.; temp., 149.5° F.; water very good; iron oxide in bore drains.
2. Original estimated flow, 230,000 g. p. d. in December, 1909 (depth then 2,320 ft.); bore lined with about 140 ft. of 6-in., (?) 1,350 ft. of 5-in., and 3,110 ft. of 4-in. casing. Inspected 24/5/16; flow, 128,400 g. p. d.; temp., 154.5° F.; water very good; deep red oxide in drains.

Weewondilla—No boring records; lined with 6-in. casing. Inspected 23/5/16; flow, 478,000 g. p. d.; temp., 155° F.; water very good.

406. Nanango District—Morris's Farm—Soft red soil to 170 ft., then blue basalt to 388 ft.

407. Narada Downs—Inspected in January, 1911; see table for data; water in Nos. 1 and 3 bore is brackish; when 7,000 g. p. d. are pumped in No. 4 bore, the W.L. is lowered to 220 ft.; this water is slightly brackish, but fit for domestic use; bore No. 1 is lined with 6-in. casing; No. 3 with some 6-in. and 833 ft. of 5-in. casing, and No. 4 is lined with 488 ft. of 6-in. casing.

408. Nelia Ponds—

1. Original free flow, 36 in. over (?) 6-in. casing.
2. Original free flow, 22 in. over (?) 6-in. casing.
3. Original free flow, 1½ in. over (?) 6-in. casing.
4. Original flow and other data not known. Inspected 15/10/12; flow, 1,097,000 g. p. d.; temp., 109° F.; 6-in. casing cut off at surface and very slightly corroded.

409. Nive Downs—

1. Original W.L. 32 ft. below surface. Inspected 1/6/99; W.L. 31.5 ft. below surface; reported W.L. in 1907=44 ft. below surface.
 2. Original W.L. 45 ft. below surface. Inspected 27/5/99; W.L. 68 ft. below surface; reported W.L. in 1907=60 ft. below surface.
 3. Original depth (November, 1898), 1,237 ft., and water standing about 100 ft. below surface; deepened about end of 1899, and obtained originally a flow of 160,000 g. p. d.; estimated flow in 1907=141,800 g. p. d.
 4. Original flow, 7½ in. over 5-in. casing; lined with 1,318 ft. of 5-in. casing. Inspected 31/5/99; flow, 243,200 g. p. d.; temp., 105.5° F.; static head, 41 ft. to 58 ft.
- Barford—Supply at 1,305 ft.; rose to 80 ft.; flows at 2,535 ft. and 2,613 ft.; see Notice 10.

Yandarlo No. 1 to 4—Strata chiefly black and greasy shale; supplies struck in white sandstone; water brackish, but suitable for stock; bores cased with 5-in. casing to a depth of 744 ft., 597 ft., 775 ft., and 171 ft. respectively. Inspected November, 1910; see table for data.

West Quarter—

1. Stockade—Small supply at 650 ft. in sandstone rose to within 300 ft.; no water in white sandstone at 700 ft. to 900 ft.; bottom in shale; lined with 5-in. casing. Inspected December, 1910; water of poor quality; not used.
2. Amisfield—Abandoned in dark blue sticky shale; lined with 5-in. casing; no water.
3. Amisfield—Small supply at 700 ft. in 4 ft. of green sandrock; main supply at 734 ft. in 2 ft. of gravel or sandrock; rose to within 317 ft.; bottom in pipe clay; pumping test at 345 ft.

Chatham—First water at 80 ft.; main supply at about 900 ft.; lined with 4-in. casing. Inspected 30/11/10; W.L. at 80 ft.; water of poor quality.

410. Noondoo and Dareel Group—

Narine—Data from newspaper reports; original estimated flow, 900,000 g. p. d.

Dareel—Flow at 2,771 ft. to 2,791 ft., and at 2,851 ft.; main flow at bottom; original flow, 1,169,000 g. p. d.; temp., 120° F.

Maxland—First water at 2,860 ft.; no other data.

Bullawarrie—Salt water at 78 ft.; small flow at 2,795 ft.; good flows at 2,815 ft. and at 3,450 ft. to 3,470 ft.; increase at 3,500 ft. to 3,540 ft., and at 3,595 ft. to 3,600 ft.; total estimated flow, 1,115,000 g. p. d.; bore lined with 411 ft. of 10-in., 806 ft. of 8-in., and 3,614 ft. of 6-in. casing; bottom in hard sandrock; see Lic. 158.

411. Noorama Lease—

1. Original estimated flow, 1,330,000 g. p. d. (by owner); temp., 115° F.; bore lined with 1,000 ft. of 6-in. casing. Inspected 4/2/96; flow, 478,100 g. p. d.; temp., 114° F. Reinspected 31/7/12; flow, 340,300 g. p. d.; static head, 72 ft. to 108 ft.; temp., 114.5° F.; outlet, 7 ft. 3 in. above surface; a leak between 8-in. and 6-in. casing slightly increased to 15,000 g. p. d. during 15 hours closure; casing badly corroded above W.L.
2. Original estimated flow, 1,330,000 g. p. d. Inspected 23/1/96; flow, 355,000 g. p. d.; temp., 114° F.; no valve; large leak between 8-in. and 6-in. casing; slight regular pulsation at short intervals in flow. Reinspected 22/6/12; flow, 229,000 g. p. d.; static head, 124 ft. to 153 ft.; temp., 116° F.; outlet, 14 ft. above ground (raised by a 4-in. valve and 3-in. bend since last inspection); no leakage between casings; maximum pressure computed owing to loose fit of valve joint; flow regulated to 156,600 g. p. d.
3. Flow at 1,600 ft.; 40 ft. of hard rock at 1,480 ft.; bottomed primary rocks (quartz schist) at 1,710 ft.; former estimated flow, 230,000 g. p. d. Inspected 29/7/12; flow, 94,600 g. p. d.; static head, 134 ft. to 257 ft.; temp., 117° F.; outlet, 3½ ft. above surface; static test, 2 hours 22 minutes.

Camden—Noorama Resumption—

1. Original flow (by owner) about 3,110,000 g. p. d.; height of jet over casing=7 ft. 8 in.; bore lined with 8-in. casing only. Inspected 7/2/96; bore surrounded by a swamp of about 300 acres; no measurements made. Reinspected 27/7/12; flow, 908,470 g. p. d.; static head, 211 ft. to 272.5 ft.; temp., 115° F.; flow by tank measure; casing rather badly rusted above W.L.; maximum pressure computed; 4-in. top valve worn through by sand-blast action. Reinspected 15/4/15; no reliable gaugings made; bore head altered and flow conducted in 5-in. casing to a drain; discharge controlled to about 250,000 g. p. d., under a probable pressure of 90 lb. p. sq. in.; a very small leak issues between the 8-in. and 10-in. casings.
2. Original estimated flow, 1,330,000 g. p. d. Inspected 30/7/12; flow, 809,200 g. p. d.; static head, 218 ft. to 253 ft.; temp., 118° F.; outlet, 9½ ft. above surface; outside leak of 39,000 g. p. d., measured after one hour's closure; gas bubbles in outside flow; 6-in. casing badly pitted above W.L.

412. Noorindoo Lease—

1. Depth on 14/6/02=3,027 ft. and W.L. 15 ft. below surface; deepened in 1904; no data to hand; reported W.L. in 1907 about 25 ft. below surface.
2. Original estimated flow, 635,000 g. p. d.; reported estimated flow in April, 1907=455,000 g. p. d.; static head, 129 ft.; temp., 128° F.
3. 6-in. casing parted at about 2,100 ft.; no other data to hand; see Lic. 137.

413. Normanton Meatworks—At Goose Lagoon; abandoned.

414. Northampton Downs Group—

1. Bore deepened in 1904 from 1,332 ft. Inspected 8/7/98; flow, 773,000 g. p. d.; static head, 55 ft. to 73 ft.; temp., 110.5° F.; very saline water at 390 ft., which rose to 145 ft.; first flow at 1,332 ft.=230,000 g. p. d., with a temperature of 106° F.; other flows between 1,700 and 1,813 ft.; flow measured after completion barely 900,000 g. p. d., the temperature being then 112° F. Reinspected 2/5/11; no gaugings made; leakage from valves corrodes bore casing; two miles of galvanised-iron piping to woolshed; cased with 200 ft. of 10-in. casing and 1,216 ft. of 8-in. casing.
2. Flow at 1,048 ft.=240,000 g. p. d.; at 1,645 ft.=266,100 g. p. d.; at 2,060 ft.=442,300 g. p. d.; at 2,344 ft.=938,400 g. p. d.; and at 2,557 ft.=1,430,000 g. p. d.; these figures were supplied after completion of bore. Inspected 4/5/11; no gaugings made; whitish incrustation at end of bend.

Ravensbourne—

1. Cased with 54 ft. of 8-in. casing and 3,122 ft. of 6-in. casing; at 1,400 ft. the W.L. stood at 30 ft.; at 1,700 ft. the temperature of the water increased, but the W.L. remained the same; at 2,050 ft. the free flow was 4 in. over the 6-in. casing; at 2,590 ft.=9 in., and after completion 13.5 in. over casing. Inspected 14/5/11; no gaugings made. Formerly known as Northampton No. 3. Inspected 8/9/16; flow, 424,080 g. p. d.; temp., 116° F.; slight flow between 8-in and 6-in. casings; water very good.
2. Original estimated flow, 900,000 g. p. d.; see bore section No. 308 and Lic. 6, for strata, etc. Indications of coal at 610 ft. to 710 ft. Inspected 14/9/16; flow, 371,980 g. p. d.; temp. about 110° F.; a flow between casings increased when the bore was partially closed down to supply an overhead tank.
3. Struck brackish water at 780 ft., rose to 23 ft.; sub-artesian supply at 1,596 ft., rose to 40 ft., more water at 1,817 ft. and 1,950 ft.; flow of 1 in. over casing at 2,515 ft.; flow increased to 2 in. at 2,538 ft., and to 4 in. over casing at 3,100 ft.; estimated flow, 340,000 g. p. d.; bore lined with 494 ft. of 8-in. and 3,117 ft. of 6-in. casing, also with 230 ft. of 5-in. casing resting on bottom; see Lic. 228. Inspected 13/7/15; no gaugings made. Reinspected 25/9/16; flow, 286,000 g. p. d.; boring bit lost in bore; water good.
4. No data.

Northampton Downs Resumption—

Harden Park—First flow at 1,100 ft.; second at 1,450 ft.; cased with 1,800 ft. of 6-in. casing; original estimated flow, 100,000 g. p. d. Inspected 26/6/11; no gaugings made.

Forest Hill—Original estimated flow, 460,000 g. p. d.; met with a brackish soak at 400 ft.; small flow at 1,950 ft.; increase at 2,230 ft. to 2,300 ft., and at 3,396 ft. to 3,450 ft.; bottom in sandrock; bore lined with 15 ft. of 10 in., 2,049 ft. of 6-in. and 3,536 ft. of 5-in. casing; see Lic. 70. Inspected 15/7/15; no gaugings made. Reinspected 20/9/16; flow, 277,300 g. p. d.; water good.

Lighthouse—Original flow (by driller), 554,000 g. p. d.; static head over 85 ft.; met with sub-artesian water at 178 ft., 430 ft., 747 ft., and 1,230 ft.; flow at 1,361 ft. and 2008 ft.; thence increasing to 2,790 ft.; bottom in 10 ft. of very hard rock; bore lined with 35 ft. of 10-in., 114 ft. of 8-in., and 2,495 ft. of 6-in. casing; see Lic. 32. Inspected 18/12/16; flow, 444,000 g. p. d.; temp., 113° F.; water good.

415. Nottingham Downs—

1. No strata available; water struck at 1,780 ft., rose to about 100 ft. below surface; bore lined with 1,795 ft. of 6-in. casing. Inspected 9/2/15; stated that W.L. is pumped down to 200 ft. by windmill; very good drinking water.
2. No boring records; reported W.L. 159 ft. below surface; bore lined with 6-in. casing.
3. No boring records. Inspected 25/5/15; W.L., 40 ft. below surface; pump at 70 ft.; water good.
4. No boring records. Inspected 30/5/15; W.L. at 14 ft. below surface; pump at 47 ft.; water very clear and soft.
5. No boring records; bore lined with 200 ft. of 8-in. and 1,400 ft. of 6-in. casing. Inspected 10/5/15; W.L. at 79 ft.

416. Oakwood Station—Data in table from Analysis 305.

Oakpark—Flow at 1,522 ft., at 1,555 ft. to 1,590 ft., at 1,685 ft. to 1,699 ft., and at 1,844 ft. to 1,871 ft.; total estimated flow, 365,000 g. p. d.; bottom in shale; bore lined with 78 ft. of 8-in., and 1,846 ft. of 6-in. casing; see Lic. 2.

417. Oondooroo Group—

1. Original flow about 680,000 g. p. d.; temp., (?) 190° F. Inspected 3/1/11; approximate flow, 285,000 g. p. d.; bore taken over by Alba Woolscouring Company some years previously. Reinspected 24/1/13; flow, 235,000 g. p. d.; temp., 161.5° F.; small amount of non-inflammable gas in flow and a large deposit of red iron oxide in bore drain.
- 1A. Lined with 6-in. casing. Inspected 13/1/15; see table for data.
2. Struck a soak at 175 ft.; flow between 2,901 ft. to 3,090 ft. in sandrock and sand; bore lined with 28 ft. of 10-in., 146 ft. of 8-in., and 3,090 ft. of 6-in. casing; original estimated flow, 500,000 g. p. d. Inspected 22/1/13; flow, 285,800 g. p. d.; static head, 55 ft. to 83 ft.; temp., 166° F.; small quantities of non-inflammable gas in flow. Reinspected 8/10/14; flow, 213,000 g. p. d.; static head, 54 ft. to 73-8 ft.; temp., 164.5° F.; duration of static test, five hours twenty-five minutes; temperature of flow on reopening 27.5° F. below normal; a little gas; trace of white incrustation.
- 2A. Casing parted; abandoned by contractor; 9 ft. distant from No. 2 bore.
3. Struck a soak at 450 ft., fresh water at 900 ft., and brackish water at 1,300 ft., which rose to 150 ft.; flow at 3,250 ft., 3,600 ft., and 3,750 ft. in sandrock; bore lined with 36 ft. of 10-in.; 146 ft. of 8-in., and 3,149 ft. of 6-in. casing; see Lic. 101; original flow, 2 in. over 6-in. casing. Inspected 11/10/14; flow, 156,500 g. p. d.; static head, 37 ft. to 45 ft.; temp., 165° F. A little gas in flow; the temperature of the water during static test of three hours forty-five minutes was 11.5° F. below normal.

Oondooroo (shallow bores)—

1. Water struck at 315 ft.; bore lined to bottom with 8-in. casing. Inspected 23/6/15; W.L. at about 100 ft.; water brackish; pumping supply 5,000 g. p. d.
2. Supply at 350 ft.; bore lined with 231 ft. of 6-in. casing. Inspected 25/10/15; W.L. at 110 ft.; pumping supply about 4,000 g. p. d.; windmill dismantled; water not used.
3. Supply at 280 ft.; bore lined with 300 ft. of 8-in. casing. Inspected 26/6/15; W.L. at 96 ft.; pumping supply about 4,000 g. p. d.; water brackish; not used.
4. No boring records; bore lined to bottom with 8-in. casing. Inspected 1/7/15; W.L. at 69 ft.; water has never been used.
5. No boring records; bore lined to 235 ft. with 6-in. casing. Inspected 30/7/15; W.L. at 132 ft.; pumping supply about 4,000 g. p. d.; water fairly fresh and drinkable.
6. No data to hand.
7. No boring records; bore lined with 8-in. casing. Inspected 29/7/15; W.L. at 123 ft.; pumping supply 4,500 g. p. d.; windmill broken; water slightly brackish.
8. See below, Enryb No. 1.
9. Supply at 512 ft.; bore lined with 255 ft. of 6-in. casing. Inspected 28/6/15; W.L. at 95 ft.; pumping supply 5,000 g. p. d.; water slightly brackish.
10. Water struck at 210 ft.; bore lined with 150 ft. of 8-in. casing. Inspected 13/8/15; W.L. at 118 ft.; pumping supply, 10,000 g. p. d.; water fresh and drinkable.
11. Water struck at 312 ft.; bore lined with 6-in. casing. Inspected 11/8/15; W.L. at 90 ft.; pumping supply 4,000 g. p. d.; windmill broken; water brackish.
12. Struck water at 90 ft., 270 ft., and 360 ft.; bore lined to bottom with 6-in. casing; reported W.L. in April, 1914=70 ft. below surface. Inspected 14/8/15; pumping supply, 17,000 g. p. d.; water brackish.
13. Water struck at 60 ft., 270 ft., and 332 ft.; bore lined to bottom with 6-in. casing. Inspected 12/8/15; pumping supply 20,000 g. p. d.; W.L. at 52 ft.; water slightly brackish.

14. Supply struck at 512 ft. bore lined to bottom with 6-in. casing. Inspected 30/6/15; W.L. at 90 ft.; flow tested to 12,000 g. p. d.; water brackish.

Thordale (Oondooroo Resumption)—Struck water at 160 ft., and at 280 ft. to 290 ft.; bore lined with 335 ft. of 6-in. casing. Inspected 30/7/15; W.L. at 143 ft.; pumping supply about 10,000 g. p. d.; water tastes strongly of soda.

Enryb (Oondooroo Resumption)—

1. Bore formerly known as Oondooroo No. 8; no boring records; bore lined with 8-in. casing. Inspected 27/7/15; W.L. at 147 ft.; pumping supply, 4,000 g. p. d.; water fresh.

2. No boring records; bore lined with 6-in. casing. Inspected 28/7/15; W.L. at about 140 ft.; pumping supply, 17,000 g. p. d.; water fresh.

3. No boring records; bore lined with 6-in. casing. Inspected 26/7/15; W.L. at 124 ft.; pumping supply, 15,000 g. p. d.; water fairly fresh.

Wyora (Oondooroo Resumption)—

Deep—Estimated flow in 1907=230,000 g. p. d. Inspected 17/1/11; flow estimated from 185,000 to 230,000 g. p. d.; outlet 2.5 ft. above surface; slight ferruginous incrustation on rocks at borehead and a little on outlet. Reinspected 25/3/13; flow, 139,000 g. p. d.; temp., 157° F.; 6-in. casing at surface; small deposit of iron oxide in bore drain. Reinspected 17/10/14; flow, 132,800 g. p. d.; temp., 155.5° F.; 6-in. casing corroded at lip of horizontal outlet; effervescence of gas in flow with faint odour; red iron oxide in bore drain.

Shallow bores Nos. 1 to 4 and a well, as reported on 22/2/11 (not visited)—See table for data.

Rangelands (Oondooroo Resumption)—

1. Known as Well; a shaft to 300 ft., bored 150 ft.; no record of strata, etc.; bore lined with one length of 6-in. casing. Inspected 17/8/15; W.L. at 198 ft.; water brackish.

2. Known as Bonnie Downs; no boring records; bore deepened from 450 ft. to 600 ft., and again in July, 1914, to 1,012 ft.; bore lined with 749 ft. of 6-in. casing. Inspected 18/8/15; W.L. not known; water fresh and palatable.

3. Known as Tasman; no boring records; bore lined with 350 ft. of 5-in. casing. Inspected 19/8/15; W.L., not known; water fresh with a slight taste of soda.

4. Known as Hillside; no boring records; bore lined with 6-in. casing. Inspected 16/8/15; W.L. not known; water fresh and drinkable.

5. Known as Homestead; no boring records; bore lined with 6-in. casing. Inspected 18/8/15; W.L., not known; water fairly fresh with a strong flavour of soda.

Aldingham (Oondooroo Resumption)—

1. Data in table from newspaper reports.

2. No boring records; bore lined with 330 ft. of 6-in. casing. Inspected 27/8/15; W.L. at 98 ft.; water fresh and palatable.

3. Data in table from newspaper reports.

4. No boring records; bore lined with 351 ft. of 6-in. casing. Inspected 26/8/15; W.L. at 208 ft.; pumping supply 10,000 g. p. d.; water fresh with strong taste of soda.

5. First supply at about 240 ft.; bore lined with 414 ft. of 6-in. casing. Inspected 26/8/15; W.L. at 118 ft.; pumping supply over 10,000 g. p. d.; water brackish.

6. No boring records; bore lined with 310 ft. of 6-in. casing. Inspected 28/8/15; W.L. at 128 ft.; water fresh and palatable.

Well—Inspected August, 1915—W.L. at 80 ft. below surface, site not levelled; water fairly fresh.

Camara (Oondooroo Resumption)—Known as Home Creek; no boring records; bore lined with 6-in. casing. Inspected 12/8/15; W.L. at about 100 ft.; water fairly fresh.

418. Pajingo Lease—Data in table from newspaper reports.

419. Pelham Group—

1. Met with a soak at 50 ft.; first flow at 280 ft.; increase at 330 ft., 350 ft., 400 ft., 440 ft., and at 620 ft.; total original flow, 30 in. over 6-in. casing; bottom in 5 ft. of sandy pipe clay; bore lined with 50 ft. of 10 in., 150 ft. of 8 in., and (?620 ft. of 6-in. casing; stated that the 6 in. casing was not perforated at the intermediate large flows; see Lic. 92. Inspected 11/11/15; flow, 822,800 g. p. d.; temp., 97° F.; small leak between 8-in. and 6-in. casings; CO₂ test=2.60 gr. p. g.; corrosion evident; water very good.

2. Flow at 200 ft., 315 ft., 390 ft., and 513 ft.; total original flow, 33 in. over 6-in. casing; bore lined with (?100 ft. of 10-in., 200 ft. of 8-in., and (?513 ft. of 6-in. casing; 6-in. casing not perforated at intermediate flows; bottom in 7 ft. of pipe clay; see Lic. 128. Inspected 12/11/15; flow, 855,500 g. p. d.; temp., 94° F.; large flow between 8-in. and 6-in. casings; water very good; CO₂ test=9.65 gr. p. g. (highest contents tested in the district); corrosion correspondingly rapid; casing badly eaten into on top and probably seriously honeycombed below.

3. Lined with 8-in. and 6-in. casing; W.L. on completion 5 ft. below surface. Stated that strata consisted of sandrock and pipeclay only from surface to bedrock (? granite); bore situated on edge of artesian basin; Lic. 248. Inspected 12/6/16; W.L. 5 ft. below surface; water very clear and soft.

- 3A. Sunk 6 ft. apart of No. 3 Bore; borehole crooked; about 100 ft. of 8-in. casing in bore; W.L. 5 ft. below surface.

4. Flow at 360 ft. and 379 ft.; total, 2½ in. over 6-in. casing; bottom in hard rock; ceased to flow soon after 8-in. and 350 ft. of 6-in. casing; see Lic. 249. Inspected 14/6/16; flow, 186,550 g. p. d.; static head about 3 ft.; temp., about 90° F.; small flow between 8-in. and 6-in. casings; water very clear and soft.

420. Penola Downs Lease—

1. Original estimated flow, 100,000 g. p. d.; supposed to have bottomed bedrock; ceased to flow soon after 1900; pumped from 45 ft. in 1907. Inspected 20/11/14; W.L. about 83 ft. below surface; no appreciable deterioration of 6-in. casing at present; very little gas present.

2. Original reputed flow, 150,000 g. p. d.; estimated flow in 1907=75,000 gallons per day; ceased to flow before 1912. Inspected 18/11/14; W.L. about 29 ft. below surface; visible casing in good condition; a little gas present.

- 2A. Fresh water at 642 ft.; at 1,112 ft. water rose to 30 ft., and at 1,150 ft. to within 12 ft.; bottom in granite; lined with 1,130 ft. of 6-in. casing; see Lic. 147.

3. Original estimated flow, 13,000 g. p. d.; bottom in red sandstone; ceased to flow at the end of 1913. Inspected 25/11/14; flow, 2,800 g. p. d.; very slight leak between 8-in. and 6-in. casing; water raised by 1½-in. syphon; water fairly good; occasional gas bubbles noticed.

4. Original W.L. 13 ft. below surface; bottom probably not in bedrock; met with 50 ft. of kerosene shale. Inspected 21/11/14; about 18 ft. below surface; a trace of gas present.

5. Originally a small flow from 1,259 ft. and 1,379 ft., but diminished and ceased to flow in January, 1914; met with kerosene shale at 65 ft.; passed 80 ft. of red sandstone, and drilled 1.5 ft. into granite. Inspected 17/11/14; W.L. 10 ft. below surface; lined to bottom with 6-in. casing; a trace of gas present; loss of water potential, about 12 ft. in twelve months.

6. Original W.L. about 50 ft. below surface; bore terminated in bedrock. Inspected 21/11/14; W.L. 60 ft. below surface; lined with 6-in. casing; practically no gas present.

421. Portland Downs—

1. A soak at 350 ft., and an estimated flow of 250,000 g. p. d. from 3,050 ft. to 3,210 ft. in sandstone; bore determined in blue shale; lined with about 80 ft. of 8-in. and about 3,250 ft. of 5-in. casing; all the 6-in. casing (used temporarily) was withdrawn. Inspected 4/7/99; flow, 240,000 g. p. d.; static head, 83 ft. to 119 ft.; temp., 162° F.; water contains some dissolved gas, probably fire-damp.

2. Original estimated flow, 330,000 g. p. d.

3. Original estimated flow, 285,000 g. p. d.

4. Struck 500 g. p. d. at 403 ft., and 7,000 g. p. d. at 700 ft.; both supplies very salt; fresh water at 2,730 ft.; just overflowing at 2,750 ft.; flow increased at 2,984 ft. to 60,000 g. p. d.; at 3,036 ft. to 75,000 g. p. d.; at 3,297 ft. to 150,000 g. p. d.; at 3,619 ft. to 170,000 g. p. d.; at 4,026 ft. to 310,000 g. p. d.; and at 4,067 ft. to 330,000 g. p. d.; bore lined with 107 ft. of 10-in., 511 ft. of 8-in., 2,774 ft. of 6-in. casing, and 4,308 ft. of 5-in. casing; bottom in 409 ft. of sandstone and 25 ft. of hard rock; see Lic. 98; reported flow on completion, 275,000 g. p. d.

422. Quambeytook Lease—

1. Original estimated flow fluctuating from 48 ft. to 51 in. over 6-in. casing; for strata, &c., see bore section No. 92. Inspected 30/8/96; flow, 1,670,000 g. p. d. (time measure); temp., 139° F.

2. Original flow, 13 in. over 6-in. casing; drilled 1 ft. into granite; flow at 1,359 ft., 1,365 ft., 1,394 ft., 1,597 ft., 1,646 ft., 1,696 ft., and 1,906 ft.; bore lined with 61 ft. of 10 in., 150 ft. of 8-in., and 1,375 ft. of 6-in. casing; also 632 ft. of 5-in. casing resting on bottom; see Lic. 103.

423. Redcliffe—

1. The first supply from 645 ft. rose to 40 ft. below surface, and fell to 360 ft. as boring proceeded; for strata, &c., see section No. 115. Inspected 30/4/97; pump at about 160 ft.; W.L. at about 95 ft.; supply, 44,000 g. p. d.; temp., 113° F.

2. No boring records.

3. First water at 920 ft.; second water at 1,150 ft.; pumped 25 ft. from surface.

Riddle Creek—Struck good supply of fresh water at 1,062 ft.; rose to within 189 ft.; bore lined with 1,064 ft. of 6-in. casing; see Permit 29.

Railview—

1. No data; see Permit 72.

2. Some salt water at 260 ft.; fresh water at 608 ft. rose to 264 ft. from surface; lined with 600 ft. of 6-in. casing; see Permit 72.

Savage's Nos. 1 and 2—Data from newspaper reports.

424. Redford Lease—

1. No boring records; bore lined to bottom with 6-in. casing. Inspected 13/12/15; W.L. not taken; water good.
2. No boring records; bore lined to 700 ft. with 6-in. casing.
3. No boring records; bore lined to bottom with 6-in. casing. Inspected 10/12/15; W.L. not taken; water good.
4. No boring records.
5. No boring records.
6. No boring records.
7. Met with a supply at 127 ft.; rose to 121 ft.; stated to have struck coal; bore lined to 121 ft. with 6-in. casing. Inspected 11/12/15; W.L. at 121 ft. below top of casing.
8. In progress; met with coal.

425. Retro Capella—Data from newspaper reports.

426. Richmond Downs—

1. Formerly Gorman Creek bore; original estimated flow, 725,000 g. p. d.
2. Estimated flow after deepening, 545,000 g. p. d. Inspected 15/7/14; flow, 359,000 g. p. d.; temp., 92° F.; casing at surface completely corroded away; much red oxide in drains; gas bubbles in considerable quantities.
3. Original W.L. 12 ft. to 15 ft. below surface. Inspected 6/1/12; bore was never pumped; abandoned.
4. Original estimated flow, 725,000 g. p. d. Reported that all the water was issuing outside the casing; ceased to flow about January, 1911. Previous to this date the flow stopped and flowed alternately, and was hand-pumped during non-flowing periods. Inspected 6/1/12; bore now collapsed; water entirely disappeared, and is evidently corrosive. Deepened to 975 ft. in June, 1916; W.L. 5 ft. below surface; bottom in red marl; casing drawn, and bore abandoned; see Lic. 282.
5. Original estimated flow, 725,000 g. p. d. Inspected 31/12/11 and 14/4/13; flow diminished; casing corroded away; water issues from a circular basin, and is corrosive.
6. Original estimated flow, 185,000 g. p. d.; ceased to flow before February, 1907. Inspected —/4/13; bore-hole filled up with debris; no water visible; bore to be deepened; see Lic. 281.
7. Abandoned; former water level 50 ft. below surface; in a later report, W.L. 90 ft. below surface.
8. Original W.L. 35 ft. below surface.
9. Original flow not known. Inspected 20/7/14; flow, 255,000 g. p. d.; temp., 106° F.; a piece of the 5-in. casing, about 8 ft. in length, has recently broken off; this casing was evidently eaten through by abrasion in the pool; the flow rapidly eroded a channel towards the creek; casing quite sound; no oxide in bore drains; very little gas in flow.
10. Original estimated flow, 545,000 g. p. d. Inspected 17/7/14; flow, 181,400 g. p. d.; temp., 91° F.; former outlet over 8 ft. higher than at present; 5-in. casing broke off 8 ft. below the surface some years ago, evidently caused by abrasion of sand and pebbles in the pool; a channel 9½ ft. deep has been washed out towards the creek; no red oxide, and no gas visible.
11. Original estimated flow, 455,000 g. p. d.
12. Original estimated flow, 900,000 g. p. d. Inspected 11/6/14; flow, 110,600 g. p. d.; static head, 64 ft. to 82 ft.; temp., 95.5° F.; 6-in. casing at surface quite sound; very little gas (in minute bubbles).
13. Original flow not known. Inspected 23/5/14; flow, 150,000 g. p. d.; temp., 102° F.; a hard obstruction in bore at 504 ft.; very little gas in flow; 6-in. casing at surface.
14. Original estimated flow, 545,000 g. p. d.; run Yanko Creek 8 miles to 10 miles; ceased to flow very suddenly; surmised that casing slipped, cutting off the supply. Inspected 7/1/12; bore collapsed; abandoned.
15. No boring records to hand.
16. Original flow, 770,000 g. p. d.
17. Original estimated flow, 545,000 g. p. d. Inspected 23/7/14; flow, 38,400 g. p. d.; maximum static head, 10.8 ft.; temp., 106° F.; grade flow per foot=3,933 g. p. d.; casing at surface showing signs of corrosion, but is yet sound; much red oxide in drains; very little gas in flow.
18. Data from newspaper report.
19. Stewart's Creek—Original flow not known. Inspected 1/1/12; no gaugings made; signs of corrosion; small leak between 8-in. and 6-in. casings. Reinspected 13/4/13; flow, 478,100 g. p. d.; temp., 89.5° F.; corrosion considerably advanced; most of the water issues now between casings, indicating that the 6-in. casing is corroded below the surface.

20. Original estimated flow, 900,000 g. p. d. (19 in. over 6-in. casing). Inspected 7/1/12; flow, 14 in. over casing or about 745,000 g. p. d.; casing shows signs of corrosion. Reinspected 11/4/13; no gaugings made; bore site thickly covered with bulrushes; corrosion not much more advanced.

21. Original estimated flow, 610,000 g. p. d. Inspected 24/7/14; flow, 327,000 g. p. d.; temp., 102° F.; normal leakage from between 8-in. and 6-in. casings, 96,150 g. p. d.; increased to 145,730 g. p. d. under a static head of 16 ft. to 18.5 ft., lasting 20 minutes; slight white efflorescence on sides of drain.

22. Brackish water at 278 ft.; fresh water at 625 ft., rose to 45 ft., at 915 ft. to 6 ft., and at 1,122 ft. to 1.5 ft. below surface; bottom in red marl; lined with 150 ft. of 10-in., 400 ft. of 8-in., and 930 ft. of 6-in. casing; see Lic. 149.

King's Selection—

1. W.L. pumped down to 75 ft. below surface by sand-pump.
2. In progress.

427. Richmond Downs Resumption—

Wyangarra—Original depth in 1899=1,188 ft., and estimated flow, 1,115,000 g. p. d.; bore deepened in December, 1906; estimated flow then 985,000 g. p. d. Inspected 31/8/14; flow, 68,000 g. p. d.; temp., 113° F.; 6-in. casing honeycombed at surface by corrosion, probably a large leak through corroded casing; CO₂=5.25 gr. p. g.; red iron oxide in bore drain.

Ladbury's—

1. Main flow near bottom; total flow estimated at 1,400,000 g. p. d.; static head over 60 ft.; bore lined with 6-in. casing; flow diminished gradually and bore was recased in April and May, 1915, with 1,405 ft. of 4-in. casing; estimated flow, 600,000 g. p. d.; see Lic. 268.
2. Flow at 1,017 ft. to 1,042 ft.; estimated at (?) 200,000 g. p. d.; lined with 67 ft. of 10-in., 112 ft. of 8-in., and 1,017 ft. of 6-in. casing; finished in hard sandrock; see Lic. 63. Inspected 17/4/14; flow, 274,000 g. p. d.; maximum head about 85 ft.; temp., 105° F.; used for woole scouring; very little gas in flow.

Boree Park—Original estimated flow, 810,000 g. p. d. Inspected 28/8/14; flow, 482,000 g. p. d.; temp., 105.5° F.; first flow just below 700 ft.; evidence of slight corrosion; red oxide in bore drain; CO₂=3.28 gr. p. g.; temp., 102° F.

Majuba—Original estimated flow, 350,000 g. p. d.; lined with 500 ft. of 6-in. casing. Inspected 16/4/14; flow, 218,000 g. p. d.; temp., 108° F.; very slight odour in flow; water good for all purposes; and non-corrosive.

Menzies—Original estimated flow, 250,000 g. p. d.; lined with 250 ft. of 8-in., 730 ft. of 6-in., and 887 ft. of 5-in. casing; see Lic. 177. Inspected 5/6/14; flow, 214,000 g. p. d.; static head, 27 ft. to 30 ft.; temp., 103° F.; normal leak between 5-in. and 6-in. casings increased from 15,000 g. p. d. to 24,500 g. p. d. during static test lasting fifteen minutes; a little gas in minute bubbles detected.

428. Rocklands—Supplies of bores Nos. 1 to 7 have been tested after completion to 120,000 g. p. d.

429. Rockwood and Ludgate Hill Leases—

1. Bore lined with some 8-in., 2,200 ft. of 6-in., and some 5-in. and 4-in. casing. Inspected 15/5/97 and 16/10/97; flow, 12,450 g. p. d.; static head, 4.6 ft. to 8.1 ft.; temp., 121½° F.; flow emits over 150 cubic ft. of inflammable gas per day, which burns with a pale flame. Reinspected 29/12/13; flow over 500 g. p. d.; temp., 117° F.; flow from bore stops when windmill is working and was larger after the windmill was stopped for about a week; very small quantity of inflammable gas now rising and went out in less than a minute after being ignited; casing badly corroded and some of the water issues about a foot away from the casing; some tools at bottom of bore.
2. Original reputed flow, 635,000 g. p. d. Inspected 5/3/14; flow, 180,000 g. p. d.; temp., 129° F.; 6-in. casing above surface only a thin shell and full of holes; believed that some tools were lost in bore; very good drinking water.
3. Original reputed flow, 675,000 g. p. d. Inspected 2/2/14; flow, 278,770 g. p. d.; temp., 130° F.; 6-in. casing above surface very thin, some parts on top broke away with incrustation; a few non-inflammable bubbles of gas in flow; water very good.
4. Original W.L. 80 ft. below surface; stated that in 1907 the water was pumped 100 ft. at the rate of about 12,000 g. p. d.
5. Original estimated flow, 60,000 g. p. d.; bore stopped flowing in April, 1901, and was then deepened (no data obtained). Inspected 30/1/14; flow, 51,000 g. p. d.; temp., 136° F.; leak outside casing; bore lined with 1,930 ft. of 5-in. and 750 ft. of 4-in. casing; drains coated with red oxide for some distance; a little sulphuretted hydrogen in bore water.

6. Original W.L., 38 ft. below surface; stated that in 1907 the water was pumped 90 ft., at the rate of about 16,000 g. p. d. Inspected 24/12/13; W.L., 70 ft below surface; water has a slight alkaline taste; 6-in. casing on surface.
7. Former estimated flow, 60,000 g. p. d. Inspected 9/2/14; W.L., 8 ft. below surface; first flow at 1,660 ft.; bore ceased to flow (date not known), casing telescoped at bottom; water tastes of sulphuretted hydrogen
8. Original estimated flow, 900,000 g. p. d.; a splendid sub-artesian supply was met with at 90 ft. Inspected 7/2/14; flow, 535,400 g. p. d.; static head, 23 ft. to 45.2 ft.; temp., 131° F.; duration of static test, one hour; water very good; a slight red tint noticed in basin around bore; lined with 6-in. casing.
9. Original flow estimated at 185,000 g. p. d. Inspected 17/2/14; flow, 70,300 g. p. d.; temp., 136° F.; first supply from 1,500 ft. rose to 20 ft.; first flow at 2,927 ft., second at about 3,000 ft., and last flow at 3,318 ft.; bore lined with 2,478 ft. of 6-in. and 991 ft. of 5-in. casing; red oxide in bore drain; water emits a great quantity of minute odourless gas bubbles.
10. Small flow at 1,800 ft.; main flow at 2,270 ft., and last flow at 2,492 ft.; flowing 4½ in. over 5-in. casing; bottom in pipeclay; lined with 403 ft. of 8-in., 1,968 ft. of 6-in., and 1,705 ft. of 5-in. casing; see Lic. 211.
- Elwell—Water at 1,095 ft. to 1,118 ft. (in sandstone), rose to 40 ft. below surface; bore lined to 63 ft. with 8-in., and to full depth with 6-in. casing. Inspected 18/12/13; W.L., 40 ft. below surface; W.L., lowered to 200 ft., with pump at 200 ft.; water very good.
- 430. Rodney Downs Group—**
- Rodney—Original flow, 550,000 g. p. d.; temp., 130° F. Inspected 27/5/12; flow, 256,000 g. p. d.; temp., 130° F.; cased with 6-in., 5-in., and 4-in. casing; casing seriously corroded by bore water, bore drains thickly coated with a red deposit of ferric oxide.
- Daunton—Supply at 1,340 ft., rose to within 5 ft.; small flow at 1,850 ft. to 1,875 ft.; main flow at 2,020 ft.; flow, 448,000 g. p. d. (? time measure); bottom in sandstone; bore lined with 20 ft. of 10-in., 80 ft. of 8-in., and 1,747 ft. of 6-in. casing; see Lic. 64. Inspected 21/7/16; flow, 230,500 g. p. d.; temp., 137° F.; water very good.
- Peut's—Original estimated flow, 545,000 g. p. d.; bore lined with 5-in. casing. Inspected 22/7/12; flow, 316,000 g. p. d.; temp., 127.5° F.; slight signs of corrosion on 5-in. casing.
- Woolbrook—Original flow not known; bore lined with 5-in. casing. Inspected 24/7/12; flow, 281,000 g. p. d.; temp., 119° F.; deposit of iron oxide on casing and in bore drain.
- Garches—Original estimated flow, 365,000 g. p. d.; static head over 23 ft.; lined to waterrock with 6-in. casing. Inspected 26/7/12; flow, 196,000 g. p. d.; temp., 132° F.
- 431. Roma Downs Estate—**Flow of 20,000 g. p. d. at 800 ft., and 50,000 g. p. d. at 1,570 ft.; reported flow on completion, 165,000 g. p. d.; see Analysis 253.
- 432. Roma Mineral Oil Company—**At 525 ft., small flow of brackish water, containing about 1.5 oz. of saline substance per gallon; at 1,590 ft. flow=138,000 g. p. d. of fresh water; drills working in hard shale became highly magnetic; at 3,702 ft. (11/10/08) struck a large volume of illuminating gas, estimated at over 1,000,000 cubic feet per diem, and issuing under a pressure from 200 to 300 lb. per square inch; gas immediately ignited, destroying the iron derrick; which collapsed over the bore; flame extinguished (11/12/08) by means of hoisting an iron hood over the bore, after burning for two months. See "Queensland Government Mining Journal" of January, 1909. Gas ceased to issue on 27/1/09, after a short period of seventy-eight days only.
- 433. Glenalvon—**Bores Nos. 1 and 2. Only 200 yards apart; in both bores a small quantity of inflammable gas was tapped at about 70 ft.
- 434. Ruthven Lease—**
1. First flow of 400 g. p. d. at 1,319 ft.; main flow at 4,070 ft.; flow, 150,000 g. p. d.; water brackish; 4,032 ft. of 6-in. casing in bore.
2. Supply at 600 ft. rose to 90 ft. from surface; at 3,309 ft. more water; at 3,546 ft. met with sand; W.L. at 300 ft.; at 3,552 ft. flow of 800 g. p. d.; at 3,842 flow = 4,300 g. p. d.; at 3,898 ft. = 15,000 g. p. d.; and at 3,930 ft., flow = 46,000 g. p. d.; static head, 369 ft.; water of good quality; inflammable gas issuing.
- Moondah Park—Struck a seam of coal 4.5 ft. thick in a shaft at 60 ft.; coal stated to be of excellent quality; data from newspaper.
- 435. Saltern Creek—**
1. Original flow from 1,130 ft. = 160,000 g. p. d.; static head, 37 ft.; temp., 108° F.; deepened in 1893, but flow kept on diminishing, and the bore ceased flowing on 26/12/95. Inspected 2/6/98; temperature at pump outlet, 97° F. Reinspected 2/8/12; stated by owner that the water stood at 40 ft. in 1898 and at 60 ft. below surface in 1911; stated, also, that W.L. falls from 3 ft. to 4 ft. per year.
2. Original depth, 1,605 ft.; flow, 205,000 g. p. d.; static head, 72 ft.; temp., 113° F. (by owner 15/8/98); deepened in November, 1892; estimated flow 2/6/98 = 70,000 g. p. d.; ceased to flow after 1908 (about); W.L. 28/8/05 = 9½ ft. below surface; 2/5/07 = 16 ft.; 5/2/03 = 18 ft.; and on 14/4/12 = 29 ft. below surface. Inspected 31/5/12; W.L. not obtained; cased with 120 ft. of 8-in. and 895 ft. of 6-in. casing.
3. Original estimated flow, 625,000 g. p. d.; reported static head, 113 ft.; temp., 128° F.; lined with 64 ft. of 10-in., 147 ft. of 8-in., and 1,010 ft. of 6-in. casing. Inspected 4/7/12; flow, 124,000 g. p. d.; temp., 128° F.; casing badly pitted above surface; large deposit of iron oxide in bore drains.
4. Original estimated flow, 705,000 g. p. d.; reported static head, 116 ft.; temp., 123° F.; bore lined with 80 ft. of 8-in. and 788 ft. of 6-in. casing. Inspected 25/4/12; flow, 256,000 g. p. d.; temp., 122° F.; first flow at 910 ft.; second at 1,500 ft.; considerable corrosion on bore casing; iron oxide in bore drain.
5. Original estimated flow, 455,000 g. p. d.; temp., 123° F.; bore lined with 150 ft. of 8-in. and 1,160 ft. of 6-in. casing. Inspected 12/7/12; flow, 81,000 g. p. d.; temp., 122° F.; first flow at 1,380 ft.; second at 1,940 ft.; deposit of iron oxide in bore drain; no deterioration of casing.
6. Original estimated flow, 635,000 g. p. d.; temp., 116° F.; lined with 50 ft. of 10-in. and 1,137 ft. of 6-in. casing. Inspected 21/6/12; W.L. 13.5 ft. below surface; ceased flowing 16/9/09, when Leichhardt No. 4 bore struck water about 8 miles distant; the capacity given in table is that of the pump only; W.L. on 18/5/12 = 13½ ft. below surface; while the pump is working at the rate of 14,000 g. p. d., the water level rises 3 ft. 1 in. above normal; temp., 106° F. at pump outlet.
7. Original flow, 395,000 g. p. d.; temp., 110° F.; bore lined with 42 ft. of 8-in. and 904 ft. of 6-in. casing; flow on 2/6/98 = 50,000 g. p. d., and static head about 1 ft.; no water met with below 1,600 ft. in sandrock. Inspected 6/11/99; W.L. = 13 ft. below surface; bore stopped to flow in June, 1899, when the second flow of No. 9 bore, 5 miles distant, was struck, and the potential dropped then about 12 ft.; W.L. in 1900 = 16 ft., and in January, 1911 = 38 ft. Reinspected 8/8/12; W.L. not taken.
8. Original estimated flow, 545,000 g. p. d.; temp., 112° F.; lined with 68 ft. of 8-in. and 502 ft. of 6-in. casing. Inspected 1/8/12; flow, 44,000 g. p. d.; static head, 2 ft.; outlet at surface; flow contains a small quantity of gas; bore ceased flowing in June, 1913.
9. Original estimated flow, 455,000 g. p. d.; lined with 1,012 ft. of 6-in. casing. Inspected 12/8/12; flow, 27,000 g. p. d.; temp., 109° F.; casing badly corroded below 6-in. clamps.
10. Original estimated flow, 635,000 g. p. d.; lined with 757 ft. of 6-in. casing. Inspected 9/8/12; flow, 470,000 g. p. d.; temp., 109° F.; scarcely any deposit of iron oxide.
11. Original estimated flow, 635,000 g. p. d.; lined with 1,257 ft. of 6-in. casing. Inspected 11/7/12; flow, 274,200 g. p. d.; temp., 132° F.; casing corroded; large deposit of iron oxide in bore drain.
- Ascot Downs—Supply at 1,080 ft. rose to within 8 ft., and 1,600 ft. to within 5 ft.; bottom in sandy clay; lined with 32 ft. of 8-in. and 1,607 ft. of 6-in. casing. Inspected 30/5/12; temp., 99° F. at pump outlet. Reinspected 17/7/12; W.L. 8.6 ft. below surface.
- Mildura No. 1—Water at 547 ft. rose to within 7 ft.; flow at 965 ft. and 987 ft.; no further supply below this depth; bottom in 29 ft. of pipeclay and sand; total flow on 30/9/16 = 150,000 g. p. d.; bore lined with 605 ft. of 6-in. and 1,029 ft. of 5-in. casing; see Lic. 337.
- Mildura No. 2—Some salt water at 40 ft.; supply at 677 ft. to 707 ft. rose to surface; lined with 164 ft. of 5-in. and 546 ft. of 4-in. casing.
- 436. Saltern Creek Resumption—**
- Leichhardt Selection—
1. Original estimated flow, 545,000 g. p. d.; static head, about 115 ft.; temp., 120° F. Inspected 6/6/12; flow, 229,000 g. p. d.; temp., 118° F.; 6-in. casing above ground badly corroded; lined with 8-in. and 6-in. casing. Reinspected 2/8/16; flow, 158,200 g. p. d.; temp., 118° F.; joint below casing eaten through; water very good.
2. Original estimated flow, 275,000 g. p. d.; static head, about 138 ft.; temp., 138° F. Inspected 7/6/12; flow, 137,570 g. p. d.; a flow between 8-in. and 6-in. casing; heavy incrustation of red iron oxide. Reinspected 4/8/16; flow, 116,600 g. p. d.; temp., 139° F.; casing corroded above surface; water very good.
3. Original estimated flow, 810,000 g. p. d.; static head, 141 ft.; temp., 112° F. Inspected 5/6/12; flow, 359,000 g. p. d.; temp., 109° F.; flows at 870 ft., 990 ft., 1,230 ft., and 1,320 ft.; determined in water-bearing rock; 6-in. casing almost completely corroded through above clamps. Reinspected 1/8/16; flow, 334,100 g. p. d.; temp., 190.5° F.; 6-in. casing badly pitted above clamps; most of the water issues between 8-in. and 6-in. casings; water very good.

4. or Woolshed—Supply at 1,060 ft. rose to 40 ft.; more water at 1,380 ft.; flow at 1,530 ft.; main supply at 1,615 ft.; bottom in sandstone; lined with 18 ft. of 8-in. and 1,600 ft. of 6-in. casing; original measured flow by owner, 440,000 g. p. d. Inspected 5/6/12; flow, 359,000 g. p. d.; initial head, 52 ft.; temp., 115° F.; flow restricted to about 260,000 g. p. d.; small leak outside casing. Saltern No. 6 bore ceased flowing when this flow was struck; small deposit of iron oxide. Reinspected 1/8/16; flow, 321,000 g. p. d.; temp., 115.5° F.; flow of about 1,000 g. p. d. between 8-in. and 6-in. casings; water very good.
- Willoughby—Supply at 1,700 ft.; flow, 2,118 ft.; main flow at 2,202 ft.; increase at 2,252 ft. and 2,475 ft.; casing corroded by bore water; bore drain coated by a deposit of ferric oxide; cased to 1,600 ft. with 5-in. casing; former estimated flow, 275,000 g. p. d.; static head, 23 ft.; temp., 140° F. Inspected 30/5/12; flow, 198,000 g. p. d.; temp., 136° F. Reinspected 27/7/16; flow, 156,600 g. p. d.; temp., 136° F.; water very good.
- The Meadows—Original estimated flow, 900,000 g. p. d. Inspected 11/10/12; flow, 607,200 g. p. d. (doubtful if total flow); temp., 97° F.; outlet, 5 ft. above surface; water escapes outside casing; large deposit of soda at bore. Reinspected 17/7/14; flow, 644,700 g. p. d.; ground around bore very boggy and wet.
- Pendine—
1. For strata, &c., see Bore section 285; original estimated flow, 230,000 g. p. d. Inspected 18/6/12; flow, 186,550 g. p. d.; temp., 110° F.; dynamic test only made; initial head, 17 ft.; flow of 21,000 g. p. d. between 6-in. and 5-in. casings; slight deposit of iron oxide.
 2. For strata, &c., see Bore section 286. Inspected 15/6/12; flow, 218,140 g. p. d.; temp., 119.5° F.; initial head, 30 ft.; leakage of 1,500 g. p. d. between casings when under pressure.
- Auteuil—For strata, &c., see Bore section 302; original estimated flow, 545,000 g. p. d. Inspected 19/6/12; flow, 334,100 g. p. d.; static head, 32 ft. to 39 ft.; temp., 110° F.; outlet, 8 in. above ground; duration of static test, 1 hour 20 minutes; fairly large deposit of iron oxide.
- 437. Sandringham Lease—**
- Old bores, Nos. 1 to 7, no boring records; see table for data.
- Amaroo—Struck a flow of about 22,000 g. p. d. at 190 ft.; bore lined with 70 ft. of 8-in. and 196 ft. of 6-in. casing; finished in limestone; see Lic. 58.
- New Bores—
1. Very salt soak at 35 ft.; small flows at 568 ft., 609 ft., and 702 ft.; main flow at 719 ft.; bottom in sandstone; total flow, 226,000 g. p. d.; reported head, 53 ft.; lined with 47 ft. of 8-in. and 567 ft. of 6-in. casing; see Lic. 271.
 2. Very salt soak at 120 ft.; flow at 470 ft.; lined with 470 ft. of 6-in. casing; bottom in sandstone; see Lic. 272.
 3. Only supply at 385 ft., yielding a flow of 629,000 g. p. d.; bottom in sandstone; lined with 95 ft. of 8-in. and 383 ft. of 6-in. casing; see Lic. 273.
- 438. Savannah Downs Lease—**
1. Struck small flow at 220 ft. in green sand; second flow in coarse sandstone at 700 ft. after sinking in the sandstone about 100 ft.; flow gradually increased until granite was met with at 790 ft.; original flow, about 1,100,000 g. p. d., or 31 in. over casing; in April, 1901, 1,030,000 g. p. d., or 25 in. over casing.
 2. Similar to No. 1 up to about 500 ft., when sandrock was entered and the flow at once increased, continuing to do so until completion of the bore; water-bearing strata not "bottomed," force of water prevented sinking deeper. It is believed that flow has not decreased; original flow, 9 ft. over casing, or about 3,000,000 g. p. d.
 3. Very small flows at 320 ft. and 697 ft.; increase at 918 ft.; and main flow at 1,050 ft.; total flow, 2 in. over 6-in. casing; bottom in hard seam; bore lined with 208 ft. of 8-in. and 674 ft. of 6-in. casing; see Lic. 174.
- 439. Saxby Downs Lease—**
1. Original flow, 4½ in. over 6-in. casing, or about 365,000 g. p. d.; bore determined in white clay; lined with 75 ft. of 8-in. and 529 ft. of 6-in. casing. Inspected 19/1/97; flow, 316,000 g. p. d.; static head, 134 ft. to 178 ft.; temp., 104° F. Reinspected 28/11/15; flow, 112,800 g. p. d.; static head, 54 ft. to 67 ft.; temp., 103° F.; water very good; CO₂ test=nil; no corrosion.
 2. Original flow, 10½ in. over 6-in. casing, or about 635,000 g. p. d.; bore determined in hard sandstone; lined with 70 ft. of 8-in. and 519 ft. of 6-in. casing. Inspected 21/1/97; flow, 456,000 g. p. d.; static head, 125 ft. to 210 ft.; temp., 99° F. Reinspected 6/12/15; flow, 181,400 g. p. d.; static head, 73 ft. to 99.4 ft.; temp., 98° F.; CO₂ test nil; water very good; very little gas.
3. Original W.L. 6 ft. below surface; bore lined with about 150 ft. of 6-in. casing. Inspected 24/11/15; W.L. 74.3 ft. below surface; water not used.
 4. Original estimated flow, 1,300,000 g. p. d. Reported in July, 1914, as having ceased to flow (date not known); water corrosive; casing entirely eaten away; bore caved in; bore No. 13 (20 ft. distant) sunk in place of it. Inspected 25/11/15; bore abandoned.
 5. Original estimated flow, 700,000 g. p. d.; ceased to flow in 1905; reported W.L. in January, 1912=19 ft., and in January, 1913=30 ft. below surface; casing corroded.
 6. Original flow probably about 40 in. over 6-in. casing, or about 2,000,000 g. p. d. Reported estimated flow in July, 1914=875,000 g. p. d.; bore originally lined with 700 ft. of 6-in. casing. Inspected 3/11/15; flow, 280,000 g. p. d.; temp., 103° F.; casing entirely eaten away (life about eight years) considerable amount of gas; CO₂ test=3.00 gr. p. g.; water good for general purposes.
 7. Original estimated flow, 720,000 g. p. d.; bore lined with about 400 ft. of 6-in. casing. Reported flow in February, 1912, about 200,000 g. p. d., and in January, 1913, the flow had almost ceased; ceased to flow about March, 1913; W.L., in July, 1914=2.3 ft. below surface. Inspected 23/11/15; W.L., 7 ft. below top of 5-in. casing; water raised by petrol engine and centrifugal pump; CO₂ test=6.7 gr. p. g.; water good; 6-in. casing badly corroded; bore relined on top with 264 ft. of 5-in. casing in 1908; 5-in. casing as yet sound.
 8. Met with a small flow at 400 ft., and a persistent spring of black mud at 850 ft. (upper supplies cased off); the present flow was obtained in white, hard sandstone below the marl formation, and its original flow was 1½ in. over 6-in. casing; bore lined to about 900 ft. with 6-in. casing and from about 800 ft. to 1,100 ft. with 5-in. casing. Inspected 19/7/15; flow, 106,200 g. p. d.; static head, 51 ft. to 107 ft.; duration of test, two hours forty-two minutes; some gas present; free CO₂=nil; casing at surface quite uncorroded; water slightly hard; temp., 151° F.
 9. Original estimated flow, 1,300,000 g. p. d.; bore caved in, casing corroded away. A very small flow reported in July, 1914. Inspected 18/11/15; flow practically ceased, W.L. at surface; hole fallen in.
 10. Original flow, 34 in. over 6-in. casing, or about 1,300,000 g. p. d.; reported flow in November, 1912=20 in. over casing, or about 920,000 g. p. d.; bore lined originally with 400 ft. of 6-in. casing, and in 1908, 100 ft. of 5-in. casing was lowered to bottom. Inspected 18/11/15; flow, 218,000 g. p. d.; temp., 97° F.; CO₂ test=4.90 gr. p. g. at 95° F.; casing very badly corroded; all water issues outside the casing; water good, slightly effervescent.
 11. Original flow, 1½ in. over 6-in. casing, or about 120,000 g. p. d.; reported flow in November, 1912=¾ in., and in October, 1914=½ in. over casing; bore deepened in October, 1914, from 502 ft., with a total flow of 2½ in. over 6-in. casing, or about 250,000 g. p. d.; bore originally lined with 8-in. and 6-in. casing; no additional casing inserted for deepening. Inspected 20/11/15; flow, 168,000 g. p. d.; static head, 6 ft. to 6.5 ft., temp., 97° F.; CO₂ test=6.00 gr. p. g.; signs of corrosion since deepening of bore; water good; a little gas in flow.
 12. Original flow, about 4½ in. over 6-in. casing; reported flow in November, 1912=3 in. over casing; bore deepened in October, 1914, from 452 ft.; originally lined with 400 ft. of 6-in. casing; no further casing inserted when deepened; flow after deepening 12 in. over casing. Inspected 17/11/15; flow, 414,000 g. p. d. =6½ in. over casing; temp., 103° F.; CO₂ test=3.65 gr. p. g.; casing corroded on top; water good, slightly effervescent.
 13. Original flow, 9 in. over 6-in. casing; reported flow in November, 1912=4 in. over casing; estimated flow in January, 1913=330,000 g. p. d., and in July, 1914=300,000 g. p. d.; bore lined with 8-in. and 6-in. casing, which is apparently in good condition; bore sunk in place of No. 4 bore, 20 ft. distant. Inspected 26/11/15; flow, 93,400 g. p. d.; static head 7.4 ft. to 7.9 ft.; temp., 93.5° F.; CO₂ test=3.40 gr. p. g.; 6-in. casing badly honeycombed, upper length withdrawn; water good; no gas.
 14. Original flow, about 8½ in. over 6-in. casing; water struck in first sandrock; reported estimated flow in July, 1914=410,000 g. p. d.; bore lined with some 8-in. and about 450 ft. of 6-in. casing. Inspected 30/11/15; flow, 257,000 g. p. d.; static head, 61 ft. to about 65 ft.; temp., 99° F.; CO₂ test nil; no corrosion; water very good, very little gas in flow; partial static test on account of outside leakage on closure.
 15. Original flow, 13 in. over 6-in. casing; in November, 1912=10 in. over casing; bore deepened in September, 1914, from 779 ft.; flow, at 970 ft. in pipeclay and sandrock; 3 ft. over 5-in. casing; bore lined with 6-in. and 5-in. casing. Inspected 2/11/15; flow, 745,200 g. p. d.; temp., 105.5° F.; CO₂ test=2.55 gr. p. g. at 100° F.; top of 6-in. casing badly eaten; water good, slightly effervescent, and has a slight odour.

16. Met with fresh water at 412 ft., rose to 16 ft.; flow at 788 ft.=1 in. over 6-in. casing, or about 125,000 g. p. d.; bore lined with 54 ft. of 10-in., 106 ft., of 8-in., and 394 ft. of 6-in. casing; bore terminated in 23 ft. of red marl; see Lic. 74; ceased to flow in June, 1912; reported W.L. in January, 1913=2 ft. below surface, and in July, 1914=9.5 ft. below surface. Inspected 9/11/15; W.L. at 15.2 ft. below surface; water good but contains much iron; CO₂ test=6.00 gr. p. g.; no corrosion as yet; temp., 96° F.
17. Small flow at 263 ft. (about 800 g. p. d.), second flow at 645 ft.=4 in. over 6-in. casing; bore lined with 50 ft. of 10-in., 150 ft. of 8-in., and 263 ft. of 6-in. casing; bore terminated in red marl; see Lic. 84; reported estimated flow in July, 1914=205,000 g. p. d.; bore ceased to flow in February, 1915. Inspected 8/11/15; W.L. 2.7 ft. below surface; CO₂ test=5.5 gr. p. g.; water good, but contains much iron; 6-in. casing badly corroded, upper length withdrawn for pump; water raised by oil engine and centrifugal pump.
18. Met with brackish water 121 ft. and 235 ft., rose to 20 ft., fresh water at 460 ft., rose to 10 ft.; flow at 480 ft., 540 ft., 625 ft., and 761 ft.; total flow, 2 in. over 6-in. casing; bottom in 9 ft. of pipeclay; bore lined with 8-in. and 6-in. casing; see Lic. 259. Inspected 5/11/15; flow, 203,700 g. p. d.; static head, 11 ft. to 13.7 ft.; temp., 98° F.; water very good; a little gas in flow; CO₂ test=3.40 gr. p. g.; no corrosion as yet.
19. No boring record; bore lined with about 400 ft. of 6-in. casing; original flow, 103 in. over 6-in. casing, and in November, 1912=46 in. over casing; flow fell suddenly in October, 1915, probably caused by a plug in casing; several loads of clay and shale were thrown up. Inspected 17/10/15; total flow of 61,600 g. p. d. issuing outside of casing; temp., 103.5° F.; reported that part of the flow has since returned; CO₂=2.80 gr. p. g.; casing on surface fairly sound; water good; a little gas in flow.

440. Saxby Downs Resumption— Somerville—

- Formerly known as Bennett's; original estimated flow, 725,000 g. p. d.; ceased to flow about 1907. Inspected 30/4/14; bore collapsed and is now abandoned.
- Formerly known as Townshend's; original estimated flow, 545,000 g. p. d. Inspected 2/5/14; flow small; temp., 100° F.; no gaugings made; water non-corrosive.
- Original flow not known. Inspected 30/4/14; flow, 26,000 g. p. d.; temp., 101.5° F.; small leak between 5-in. and 6-in. casing, and also apparently outside; 300 ft. of the 5-in. perforated casing suspended on clamps; 6-in. casing seriously corroded; water contains much iron; very little gas in flow; site of bore about 200 yards of No 1 bore.
- Original estimated flow, 275,000 g. p. d. Inspected 1/5/14; flow, 161,500 g. p. d.; temp., 104° F.; water contains much iron and a little gas in minute bubbles; water apparently corrosive.
- Inspected 8/5/14; bore then in progress; depth about 150 ft.; W.L. at 110 ft. Reinspected 9/7/14; flow, 348,000 g. p. d.; lined with 300 ft. of 8-in. and 415 ft. of 6-in. casing; flows at 425 ft. and 700 ft.; see Lic. 186.

Elmore—

- Hand pump—No boring records; cased to bottom; originally flowing; decreased gradually, and ceased to flow in 1911. Inspected 14/4/16; shaft sunk to W.L. and casing cut; W.L. at 15 ft.; supply very small; water very good and soft.
- Syphon—No boring records; lined with 6-in. and 5-in. casing; originally flowing about 2 ft. over casing; decreased gradually and ceased to flow in 1915. Inspected 15/4/16; W.L., 9 in. below surface; 1-in. syphon to creek; water very good and soft.
- Some brackish water at 70 ft., fresh at 200 ft.; first flow at 405 ft., increasing to bottom in 395 ft. of sandstone; estimated flow, 200,000 g. p. d.; lined with 150 ft. of 10-in., 300 ft. of 8-in., and 461 ft. of 6-in. casing; see Lic. 151. Inspected May, 1914; flow, 161,000 g. p. d. Reinspected 15/4/16; flow, 74,000 g. p. d.; temp., 93° F.; water very good and soft.
- Windmill—No boring records; lined to bottom with 6-in. casing. Inspected 14/4/16; W.L. at 25 ft.; water good and soft.

Cudgie—

- No boring record, lined to bottom with 6-in. casing. Originally flowing decreased gradually and ceased to flow in 1905. Inspected 13/4/16; W.L. at 42.5 ft.; water good and soft.
- Sunk 1 chain from No. 1 bore. No boring records; cased to bottom with 6-in. casing. Inspected 13/4/16; W.L. at 42.7 ft. below surface.

Yarrabung—Original flow not known. Inspected 21/4/14; flow, 359,000 g. p. d.; temp., 104° F. Depth not known; 6-in. casing only visible.

Trivalore—Original estimated flow, 545,000 g. p. d.; bore lined to about 700 ft. with 6-in. casing. Inspected 14/5/13; flow, 285,800 g. p. d.; temp., 104.5° F.; interior of casing pitted but yet sound.

M. Lang's—Met some brackish water at 350 ft.; flow at 572 ft. and at 774 ft.; flowing 21 in. over 6-in. casing, or about 985,000 g. p. d.; lined with 18 ft. of 10-in., 106 ft. of 8-in., and 572 ft. of 6-in. casing; bottom in sandstone; see Lic. 75.

Sutherland—Met with brackish water at 460 ft., rose to 25 ft.; flows at 705 ft., and below 1,000 ft. bottom in 88 ft. of coarse sandrock; total original flow, 30 in. over 6-in. casing; bore lined with 17.5 ft. of 10-in., 88 ft. of 8-in., and 710 ft. of 6-in. casing; see Lic. 71. Inspected 11/12/15; flow, 761,100 g. p. d.; temp., 102° F.; some leak between 8-in. and 6-in. casings; increased under partial closure; CO₂ test=2.00 gr. p. g.; some slight corrosion evident; water very good and somewhat effervescent.

441. Sesbania Lease—

- Original flow estimated at 635,000 g. p. d.; ceased flowing early in 1907. Inspected 11/8/11; W.L. 29 ft. below surface. Reinspected 11/11/13; W.L.=37 ft. below surface, rising 5 ft. while being pumped.
 - Original estimated flow, 590,000 g. p. d.; flow diminished gradually, and the bore was deepened from 3,021 ft. in 1907 without increasing the flow; it ceased to flow early in 1903. Previous to cessation, a trench was cut through the hillside, lowering thereby the outlet by 6 ft. Inspected 9/8/11; W.L.=19 ft. below surface; water rises several feet above normal water level while the pump is working.
 - Original estimated flow, 1,245,000 g. p. d. Inspected 1/8/11; outlet at ground level; flow over 6-in. casing, 11 in. to 12 in.; very little mineral matter deposited; no evidence of corrosion. Reinspected 5/9/14; flow, 620,900 g. p. d.; temp., 154° F.; casing at surface very thin and rotten; bore drains covered with iron oxide; some gas in flow; good drinking water.
 - Original estimated flow, 900,000 g. p. d.; lined with about 2,400 ft. of 6-in. casing. Inspected 28/7/11; free flow 5 in. to 6 in. over 6-in. casing. Reinspected 4/9/14; flow, 411,440 g. p. d.; temp., 166° F.; some gas in flow; ferruginous incrustation around bore head; casing quite sound; good drinking water.
 - Original estimated flow, 900,000 g. p. d. Inspected 19/8/11; outlet at surface level; free jet 9 in. to 10 in. over 6-in. casing; very small mineral deposit on rocks in bore drains; no signs of corrosion and no leak outside casing. Reinspected 9/9/14; flow, 450,160 g. p. d.; temp., 152° F.; 6-in. casing slipped about 18 in. due to the breaking of the two 12-in. logs, and there is now a large leak outside the casing; a little gas in flow; only a moderate deterioration on casing is apparent, and a little iron oxide is seen in bore drains; good drinking water.
 - Original estimated flow, 675,000 g. p. d. Inspected 18/8/11; flow not gauged; considerable deposit of mineral matter in bore drain. Reinspected 8/9/14; flow, 411,440 g. p. d.; temp., 150.5° F.; casing shows signs of rapid corrosion internally; a little gas in flow.
 - For strata, etc., see Lic. 73; original estimated flow, 455,000 g. p. d. Inspected 2/10/14; flow, 340,400 g. p. d.; static head, 34 ft. to 36.5 ft.; temp., 147° F.; duration of static test, two hours twenty-five minutes. On reopening the bore the temperature was 142° F., and within twenty-five minutes it rose to 149.2° F., 2.2° F. above normal, then it fell gradually to normal. A little gas in flow, and a little iron oxide in bore drains; good drinking water.
 - Inspected 7/9/14; bore in progress; depth, 2,500 ft.; flow, 266,100 g. p. d.; static head, 33 ft. to 36 ft.; temp., 140.5° F. at outlet, and 157° F. from water obtained at 2,500 ft., and brought up by the sand pump; fresh water soak at 110 ft., small flow at 992 ft.; increase at 2,027 ft., 2,500 ft., 2,560 ft., 2,596 ft., and 2,620 ft.; flowing 6.5 in. over 6-in. casing; bottom in coarse sandrock; estimated flow on completion, 635,000 g. p. d.; lined with 204 ft. of 10-in., 505 ft. of 8-in., 2,053 ft. of 6-in., and 1,408 ft. of 5-in. casing; see Lic. 120.
- Coovina (Sesbania Resumption)—Original estimated flow, 785,000 g. p. d.; temp., 162° F. Stated that the bore was terminated in granite. Inspected 27/1/11; slight mineral incrustation on casing; outlet about 1 ft. above ground level. Reinspected 21/3/13, flow, 520,000 g. p. d.; temp., 165° F.; cased to bottom with 6-in. casing; slight deposit of iron oxide in bore drain. Reinspected 10/9/14; flow, 473,750 g. p. d.; temp., 162° F. Deterioration of casing apparent. A little gas in flow, and a trace of incrustation; good drinking water.
- Conamore—Saltwater at 522 ft., fresh water below 2,296 ft. rose to 30 ft. below surface; bottom in 10 ft. of white pipeclay; lined with 2,270 ft. of 6-in. casing. Inspected 4/5/15; W.L. at 50 ft. below surface.
- M.L. Tyson's—Bore lined with 334 ft. of 6-in. casing; reported W.L. on 20/10/14; about 100 ft. below surface.
- E. C. H. McMillan's—Soakage at 180 ft.; supply at 256 ft.; lined with 316 ft. of 6-in. casing; reported W.L. on 20/10/14, about 150 ft. below surface.

J. Houston's—

1. Supply at about 380 ft.; lined with 6-in. casing; reported W.L. on 17/10/14=120 ft. below surface.
2. Coralton Selection; supply at about 380 ft.; lined with 6-in. casing; reported W.L. on 13/1/15=120 ft.

Vuna Selection—

1. Original W.L. not known. Inspected 8/2/15; W.L., 90 ft. below surface; bore lined with 1,660 ft. of 6-in. and 1,320 ft. of 5-in. casing; a number of tools and fishing tackle lost in bore; water very good and soft.
2. Original W.L. not known. Inspected 12/2/15; W.L., 42 ft. below surface; water struck at 1,760 ft. in 110 ft. of sandstone; bore lined to 150 ft. with 8-in. casing; thence with 1,628 ft. of 6-in. casing; water very good and palatable.
3. Original W.L. not known. Inspected 13/2/15; W.L. at 10 ft. below surface; water struck at 1,833 ft. in 70 ft. of sandstone; bore lined to 160 ft. with 8-in. casing, thence with 1,687 ft. of 6-in. casing; supply has gone back, and is now insufficient to keep windmill going when pumped from 90 ft.; feared that 6-in. casing has subsided, cutting off the supply; bore deepened from 1,913 ft. in 1915; no additional supply obtained. Reinspected 19/11/15; W.L. at 20 ft.; perforating tool stuck fast in bore.

442. Springvale Lease—

1. Original estimated flow, 675,000 g. p. d.
2. Original flow, 1,300,000 g. p. d. Inspected 3/4/14; flow, 734,360 g. p. d.; static head, 90 ft. to 100.3 ft.; temp., 132° F.; a trace of gas present; good drinking water.
3. Original flow 4 ft. over 5-in. casing, or about 950,000 g. p. d.; lined with 1,340 ft. of 5-in. casing. Inspected 14/4/14; flow, 719,000 g. p. d.; temp., 130° F.; pressure not gauged; water issues outside 5-in. casing when under partial closure; a little gas present; fair drinking water.
4. Original estimated flow, 940,000 g. p. d.
5. Original flow not known. Inspected 18/3/14; flow, 481,700 g. p. d.; static head, 80 ft. to 85 ft.; finished in sandstone; a little iron oxide in bore drain; 6-in. casing visible; good drinking water; a trace of gas present.
6. Struck flow at 690 ft., 745 ft., 770 ft., and at 830 ft.; flow, 11 in. over 6-in. casing; bottom in limestone; lined with 353 ft. of 8-in. and about 850 ft. of 6-in. casing; see Lic. 208.

443. St. George, District—

Cawildi—Records doubtful; see Police Return, 1907.

Wild Horse Plains—Locality not known; data from newspaper reports; original estimated flow, 1,750,000 g. p. d.

Boombah—For strata, etc., see bore section 244; original measured flow by owner=1,141,780 g. p. d. Inspected 21/6/14; flow, 706,000 g. p. d.

Myall Plains—No boring records to hand; original flow about 1,160,000 g. p. d. Inspected 16/6/14; flow, 698,300 g. p. d.

Thuraggie—Original estimated flow=1,330,000 g. p. d., and after inserting 6-in. casing=1,245,000 g. p. d. Inspected 18/6/14; flow, 520,000 g. p. d.; owner objected to pressure test; sub-artesian supply at 200 ft., and at 1,800 ft. the water rose to surface; fair flow between 2,400 ft. and 2,500 ft., and good flow below 2,800 ft.; determined in sandstone; no more water for the last 80 ft.; cased with 140 ft. of 10-in., 400 ft. of 8-in., and 2,988 ft. of 6-in. casing.

444. Strathdarr Lease—Data from newspaper reports.**Manfred—Strathdarr Resumption—**

1. Formerly known as Tallyrand; flow in 1907=30,000 g. p. d. Inspected 12/12/12; flow, 18,500 g. p. d.; temp., 164° F.; outlet, 1.4 ft. above surface; bore determined in exceedingly hard rock; heavy dark red incrustation on outside of casing; large quantities of inflammable gas present; flow around casing about 5,000 g. p. d. Reinspected 15/4/16; flow, 16,200 g. p. d.; temp., 162° F.
2. No boring records; lined with 6-in. casing. Inspected 17/4/16; W.L. at 70 ft.; water very salt.
- 2a. No boring records; lined with 8-in. casing. Inspected 17/4/16; W.L. at 58 ft.; bore abandoned.
3. Known as Clapperton; struck water at 230 ft., 310 ft., 610 ft., 640 ft., and 665 ft.; lined with 378 ft. of 6-in. casing. Inspected 15/4/16; W.L. at 86 ft.; water very slightly brackish.

Breedom—Strathdarr Resumption—

1. No boring records; lined with 200 ft. of 6-in. casing. Inspected 14/4/16; W.L. at 151 ft.; water brackish.
2. No boring records; lined with 200 ft. of 6-in. casing. Inspected 14/4/14; W.L. at 175 ft.; water brackish.
3. No boring records; lined with 400 ft. of 6-in. casing. Inspected 14/3/14; W.L. at 130 ft.; water brackish.

445. Strathearn Selection—In progress.**446. Strathfillan—Data from newspaper reports.**

447. Talgai West—Supplies at 60 ft. and 90 ft.; did not rise in bore.

448. Tallwood Resumption—

Yarrandine—Original estimated flow=300,000 g. p. d. Inspected 7/6/14; flow, 251,300 g. p. d.; no static test made; cased with 1,500 ft. of 6-in. and 3,054 ft. of 5-in. casing; small flow at 2,937 ft.; water has a slight odour of H₂S; no gas bubbles noticed.

449. Tambo Lease—

1. Inspected 13/7/98; flow, 29,780 g. p. d.; static head, 18 ft. to 25 ft.; temp., 105° F.; outlet, 6.75 ft. above surface; cased with 6-in. casing to about 1,600 ft.; altitude levelled 5/12/10; bore fittings found in good condition. Reinspected 15/1/17; flow 23,600 g. p. d. (time measure); static head very small; temp., 105° F.; water good.
2. Inspected 14/7/98; flow, 66,770 g. p. d.; static head, 13 ft. to 15 ft.; temp., 114° F.; outlet, 3 ft. above surface; altitude levelled 14/12/10; bore fittings found in good order. Reinspected 17/1/17; flow 34,440 g. p. d. (time measure); temp., 112° F.; water good. Bore lined with 5-in. casing; now called Four-mile.
3. Inspected 15/7/98; W.L. at 56 ft.; a well sunk to 60 ft.; originally W.L. 45 ft. below surface; cased with 500 ft. or 600 ft. of 8-in. casing and 1,950 ft. of 6-in. casing; altitude levelled in December, 1910; steam pump replaced by a windmill.
4. Inspected December, 1910; W.L. at 135 ft.

450. Tamworth Lease—

1. Original estimated flow, 545,000 g. p. d.; reported estimated flow in 1907=260,000 g. p. d.; bore ceased to flow in 1910; 6-in. casing was in very bad order, when inserting a 5-in. liner in 1910. Inspected 14/6/15; W.L., 18 ft. below surface.
 2. Originally flowing 4½ in. over 6-in. casing, or about 365,000 g. p. d.; water at 1,120 ft. rose to within 5 ft. of surface; flow at 1,513 ft., 1,660 ft., 1,700 ft., and 1,740 ft.; terminated in red marl; bore lined with 302 ft. of 10-in., 890 ft. of 8-in., and 1,534 ft. of 6-in. casing; see Lic. 127. Inspected 12/6/15; flow, 219,500 g. p. d.; water very good and soft.
 3. Original W.L., 10 ft. below surface; water struck at 1,218 ft. in white sand; bottom in pink clay; bore lined to 102 ft. with 8-in. casing and to 1,116 ft. with 6-in. casing; 100 ft. of the 6-in. casing were removed on top to admit a large pump. Inspected 17/6/15; W.L., 10 ft. below surface; pumped from 42 ft.; water very good and soft.
- Dalmuir G.F. 1203—No boring records. Inspected 14/6/15; W.L. at 22 ft. below surface; pump at 30 ft.; water very good and soft.

451. Tara Grazing Farms—

1. Flow in April, 1894, about 230,000 g. p. d.; bottom in very hard rock; ceased flowing almost suddenly 24/7/96. Inspected 7/6/98; for details see Vol. IV., page 133, and Vol. VI., page 103; W.L. then 1 ft. above surface; reported W.L. about May, 1907=44 ft. below surface. Reinspected 22/8/16; W.L., 49 ft. below surface; bore lined with 1,100 ft. of 8-in., 1,807 ft. of 6-in., and 900 ft. of 5-in. casing; water very good.
 2. Estimated flow in August, 1893, 410,000 g. p. d., and static head about 41 ft.; flow diminished, but without sudden changes until 29/3/98, when the flow suddenly ceased, and the W.L. fell to 7 ft. below surface within twenty-four hours. Inspected 6/6/98; for details see Vol. IV., page 141, and Vol. VI., page 105; reported W.L. about May, 1907=46 ft. below surface. Reinspected 24/8/16; W.L., 80 ft. below surface; lined with about 1,960 ft. of 6-in. casing; water very good.
 3. Formerly called Brighton—Measured flow in 1892=204,000 g. p. d.; first flow at 2,125 ft.; bore lined to 1,914 ft. with 6-in. casing. Inspected 10/6/98; flow, 86,280 g. p. d.; static head, 22.6 ft. to 24 ft.; temp., 135° F.; considerable quantity of inflammable gas rising. Reinspected 29/9/99; flow, 52,600 g. p. d.; static head, 14.3 ft. to 18 ft.; temp., 134.5° F.; ceased to flow in 1905; reported W.L. about May, 1907=40 ft. below surface. Reinspected 26/8/16; bore deepened in 1905 from 2,213 ft.; lined with 1,813 ft. of 6-in. and 1,200 ft. of 5-in. casing; W.L. not obtained; a shaft sunk to below W.L.; water very good.
 4. Original estimated flow, 680,000 g. p. d. (from newspaper); bore lined with 2,470 ft. of 4-in. casing; ceased to flow in August, 1907. A shaft sunk to below W.L. Inspected 21/8/16; W.L., 20 ft. below surface; water very fair.
 5. No boring records; original flow not known; lined with about 2,500 ft. of 4-in. casing; ceased to flow (date not stated). A shaft sunk to below W.L. Inspected 23/8/16; W.L., 26 ft. below surface; tools at bottom of bore; water very good.
- Dunraven No. 2—Struck salt water at 154 ft.; fresh water at 2,286 ft. rose to within 100 ft.; further supply at 3,075 ft. to 3,090 ft.; bore lined with 70 ft. of 10-in., 87 ft. of 8 in., 2,046 ft. of 6-in., and 3,400 ft. of 5-in. casing; see Lic. 107. Inspected 25/8/16; W.L., 30 ft. below surface; water good, not pumped as yet.

452. Tarbrax Lease—

1. Original estimated flow, 1,300,000 g. p. d.; temp., 150° F.
2. Original estimated flow, 900,000 g. p. d.
Magoffin Bros.—Data in table from newspaper reports.

453. Lilyvale, Taroom District—Small soak at 120 ft., and good soakage at 180 ft. to 196 ft.; above 15 ft. of river sand; bottom in 4 ft. of clay.

Wooleebee Creek—Data in table from newspaper report; said to be flowing from a 2-in. pipe.

454. Tatala Lease—

1. Met with hard rock at 1,607 ft.; stated to be mica-schist or granite; original estimated flow 340,000 g. p. d. Inspected 24/11/12; flow, 235,500 g. p. d.; static head, 72 ft. to 101 ft.; temp., 110° F.; outlet 3 ft. above surface; static test three hours fifty-three minutes; a few very minute gas bubbles in flow. Reinspected 3/4/15; flow, 217,300 g. p. d.; no static test; temp., 110° F.
2. Original now over 6-in. casing=21 in. and static head 115 ft. to about 138 ft. (by manager). Inspected 26/11/12; flow, 682,900 g. p. d.; static head, 122 ft. to 158 ft.; temp., 122° F.; outlet, 2½ ft. above surface; flow between 8-in. and 6-in. casing, 15,000 g. p. d., while under static test, lasting two hours thirteen minutes, with a temperature of 119° F. Reinspected 27/3/15; flow, 555,350 g. p. d.; no static test; temp., 122° F.; outlet now raised to 5½ ft. above surface, causing a diminution of about 10,000 g. p. d. to previous outlet; flow from between casings 10,450 g. p. d.

Dingwall, Boatman Resumption—

1. Soakage at 385 ft. and 490 ft. rose to 60 ft. and 30 ft. respectively; a small flow at 630 ft.; increase at 1,015 ft.; main flow at 1,115 ft.; bottom in mica-schist; lined with 428 ft. of 8-in. and 1,159 ft. of 6-in. casing; see Lic. 288. Inspected 7/5/16; flow, 156,580 g. p. d.; static head, 71 ft. to 105 ft.; temp., 104° F.; static test lasting 1 hour 15 minutes, no outside flow.
2. A brackish soak at 250 ft., fresh water at 478 ft. rose to 120 ft.; small flow at 850 ft.; increase at 1,190 ft., 1,449 ft., 1,469 ft., and 1,580 ft.; main flow near bottom; bottom in sand and soft strata; lined with 13 ft. of 10-in., 473 ft. of 8-in., and 1,660 ft. of 6-in. casing; the 6-in. casing is seated about 30 ft. below the bottom of bore; see Lic. 352. Inspected 16/2/17; flow, 1,371,760 g. p. d.; maximum static head, 189 ft.; water very good; no sign of gas in flow.

455. Telemon Lease—

1. Original depth, 609 ft. in December, 1893, and estimated flow 365,000 g. p. d.; flow diminished considerably during the first twelve months, and the bore was deepened in 1905; for strata, etc., see section No. 106. Inspected 26/3/97; flow, 293,700 g. p. d.; static head, 36 ft. to 55 ft.; temp., 94.5° F. Reinspected 20/5/12; estimated flow, 175,000 g. p. d.; casing in a very corroded condition; some water issues outside the casing, accompanied by gas bubbles.
2. Original estimated flow, 565,000 g. p. d.; bore lined to 340 ft. with 5-in. casing to sandrock. Inspected 26-3-97; flow, 427,000 g. p. d.; temp., 92° F.; casing too badly corroded to stand pressure test; reported flow in 1907=275,000 g. p. d. Reinspected 15/5/12; estimated flow, 185,000 g. p. d.; temp., 92° F.; water issues from various points in basin, accompanied by numerous gas bubbles; no casing visible; quality of water hard and corrosive.
3. Original estimated flow from first waterbed at 925 ft.=100,000 g. p. d.; static head, 10 ft.; bore deepened in December, 1896, to second waterbed with an estimated flow of 475,000 g. p. d.; bore lined to 640 ft. with 5-in. casing, and thence to bottom with 4-in. casing. Inspected 23/2/97; flow, 453,000 g. p. d.; static head, 52 ft. to over 57 ft.; temp., 104° F. Reinspected 22/1/12; estimated flow, 210,000 g. p. d.; temp., 94° F.; casing is in a very bad corroded condition.
4. Estimated flow from 550 ft., 435,000 g. p. d., and at completion 985,000 g. p. d.; bore lined to 555 ft. with 6-in. casing, and from 684 ft. to 844 ft. with 5-in. casing. Inspected 30/3/97; flow, 865,400 g. p. d.; static head, 89 ft. to 105 ft.; temp., 105° F. Reinspected 18/1/12; estimated flow, 635,000 g. p. d.; temp., 103° F.; all casing at surface has completely disappeared; water issues from a large circular basin about 6 ft. deep; some iron is precipitated at the surface.
5. Original W.L. 4.5 ft. below surface; soakage at 585 ft.; at 585 ft. water rose to 75 ft. and at 1,278 ft. to 5 ft. below surface; bore lined with 991 ft. of 6-in. casing. Inspected 22/3/97; large pumping supply; bore on a ridge. Reinspected 17/5/12; W.L., 38.5 ft. below surface; bore syphoned for a time; water now not made use of.
6. Original estimated flow, 900,000 g. p. d.; no boring records. Inspected 11/3/12; estimated flow, 275,000 g. p. d.; the bore site has the appearance of a rush-infested bog, from which the water issues at various points; water evidently corrosive.

7. Original estimated flow, 365,000 g. p. d.; no boring records. Inspected 18/5/12; estimated flow, 230,000 g. p. d.; all casing corroded away; water rises sluggishly in a large pool overgrown by bulrushes; quality of water hard and corrosive.

8. Original estimated flow, 1,540,000 g. p. d.; a little water at 320 ft. and 530 ft.; flow at 800 ft. to 833 ft.; bore lined with 42 ft. of 8-in. and 320 ft. of 6-in. casing; also with 578 ft. of 5-in. casing resting on bottom. Inspected 21/5/12; estimated flow, 1,115,000 g. p. d.; a small flow issues between 8-in. and 6-in. casing or outside.

9. Original estimated flow, 1,410,000 g. p. d.; good soak at 160 ft.; flows at 455 ft., 820 ft., and at 930 ft. to 1,070 ft.; bore lined with 70 ft. of 8-in. and 455 ft. of 6-in. casing; also with 626 ft. of 5-in. casing resting on bottom. Inspected 10/3/12; estimated flow, 675,000 g. p. d.; temp., 103° F.; 6-in. casing eaten through below bend, water evidently corrosive.

10. Soak at about 600 ft., small flow at 640 ft. cased off; increase at 998 ft., main flow near bottom; total estimated flow, 320,000 g. p. d.; bottom in sandstone; bore lined with 300 ft. of 8-in. and 845 ft. of 6-in. casing; see Lic. 224.

Sylvania (Telemon Resumption)—

1. Original depth 1,042 ft.; estimated flow from 520 ft., 760 ft., and below 900 ft., 295,000 g. p. d.; bore lined with about 100 ft. of 6-in. and 520 ft. of 5-in. casing. Inspected 6/4/97; flow, 202,400 g. p. d.; static head, 14 ft. to 22 ft.; temp., 97° F.; bore deepened in November, 1900, by 258 ft.; small increase of flow; bore lined with additional 704 ft. of 4-in. casing; measured flow in November, 1902 (by owner), 128,820 g. p. d., and reported flow in May, 1907=84,000 g. p. d.; bore ceased to flow in April, 1911; for some months previous to this the flow was intermittent without any apparent regularity. Reinspected 15/5/12; W.L., 3 ft. below surface.

2. Or Annandale—Water at 600 ft. and 800 ft.; estimated flow below 1,000 ft., 420,000 g. p. d.; bore lined with about 100 ft. of 6-in. and 600 ft. of 5-in. casing. Inspected 7/4/97; flow, 178,600 g. p. d.; static head, 39 ft. to 52 ft.; temp., 104.5° F. Stated that in October, 1900, the bore was cleaned out, and that after piercing various bridgings the estimated flow of 40,000 g. p. d. increased to 275,000 g. p. d., this flow was reduced to about 220,000 g. p. d. by inserting about 500 ft. of 4-in. casing; lost tool at bottom of bore; measured flow in December, 1901=186,500 g. p. d. Reinspected 15/5/12; estimated flow, 120,000 g. p. d.; 5-in. casing still intact though somewhat corroded.

3. Original estimated flow, 165,000 g. p. d.; brackish soak at 180 ft.; water below 900 ft. in sandrock rose gradually; flows at 1,140 ft. and 1,240 ft.; bore lined with 87 ft. of 6-in. and 1,260 ft. of 5-in. casing; a boring bit at bottom. Inspected 15/5/12; estimated flow, 140,000 g. p. d.; temp., 98° F.; signs of corrosion on casing; small quantity of gas in flow.

456. Magoura Lease on Tempe Downs—

1. A brackish soak at 231 ft. and a small flow at 1,994 ft.; bottom in 7 ft. of granite; lined with 496 ft. of 8-in., 2,068 ft. of 6-in., and 2 lengths of 5-in. casing at bottom; see Lic. 235. Inspected 7/9/16; flow, 4,130 g. p. d.; maximum static head fully 70 ft.; temp., 117.5° F.; fair stock water, contains much soda.
2. In progress.

457. Terrick Terrick Lease—

1. Lorne—Original estimated flow, 370,000 g. p. d.
2. No boring returns; flow on completion 85,000 g. p. d.; see Lic. 148.

Athol, Terrick Terrick Resumption—Struck small supply of salt water at 198 ft., and a soak of very salt water at 396 ft.; small supply of sub-artesian water at 1,358 ft., which rose to 70 ft.; flow at 3,147 ft., 3,146 ft., 3,180 ft., 3,360 ft., and 3,400 ft.; total estimated flow, 545,000 g. p. d.; met with some coal at 943 ft., 1,030 ft., and 1,095 ft.; bottom in 44 ft. of brown shale; bore lined with 100 ft. of 10-in., 505 ft. of 8-in., 3,147 ft. of 6-in., and 3,446 ft. of 5-in. casing; see Lic. 57.

458. Thomby Resumption—Struck small flow at 2,860 ft.; main flow at 2,970 ft.; more water at 3,560 ft.; total flow, 1,116,000 g. p. d.; bottom in hard sandrock; bore lined with 200 ft. of 10-in., 504 ft. of 8-in., and 2,740 ft. of 6-in. casing, also 1,074 ft. of 5-in. casing resting on bottom; see Lic. 38.

459. Tomoo Lease—

1. Sunk to first flow, 8-in. and 6-in. casing used; no other data. Inspected 7/12/15; flow, 306,000 g. p. d.; temp., 104° F.; a little gas in flow.
2. Sunk to bedrock; bore lined with 8-in. and 6-in. casing. Inspected 15/1/16; flow, 197,000 g. p. d.; temp., 116° F.; a little gas in flow.
3. First flow at about 800 ft., increase at 1,137 ft., 1,538 ft., 1,705 ft., and 1,845 ft.; bore lined with 54 ft. of 10-in., 415 ft. of 8-in., and 1,945 ft. of 6-in. casing; bottom

in bed of dry sand; see Lic. 161. Inspected 25/9/14; flow, 548,700 g. p. d. Reinspected 6/12/15; flow, 465,000 g. p. d.; static head, 32 ft. to 32.5 ft.; temp., 113° F.; a little gas in flow.

Leinster—A little brackish water at 575 ft., fresh water at 998 ft. rose to 200 ft., at 2,645 ft. to within 3 ft.; flow at 2,726 ft.; increase at 2,764 ft., 2,881 ft., and at 2,886 ft.; total flow, 2½ in. over casing; bottom in 15 ft. of shale; lined with 489 ft. of 8-in. and 2,551 ft. of 6-in. casing; see Lic. 246. Inspected 23/5/16; flow, 218,000 g. p. d.; static head 23 ft. to 25 ft.; temp., 133° F.; water has a slight gaseous taste and smell.

Mungallala Creek—Some water at 70 ft. in quicksand, but sand could not be kept out; further insignificant supplies at 180 ft., 320 ft., 410 ft., and 570 ft., amounting to about 500 g. p. d.

461. Thurulgoona—

- Former reported flow (no date), 80,000 g. p. d. Inspected 9/1/96; flow, 85,500 g. p. d.; temp., 108° F. Reinspected 3/6/12; flow, 51,000 g. p. d.; static head, 35 ft. to 45 ft.; temp., 108° F.; leakage between 4-in. and 6-in. casing, 4,000 g. p. d.; increased to 15,000 g. p. d. during ten minutes closure, but fell again to normal on reopening; outlet, 6 ft. above surface. Claimed to be the first private bore in Queensland.
- Former reported flow (no date), 525,000 g. p. d.; temp., 121° F. Inspected 31/12/95; flow, 390,000 g. p. d.; temp., 117½° F. Reinspected 5/6/12; flow, 218,000 g. p. d.; static head, 147 ft. to 203 ft.; temp., 118.5° F.; small leakage outside 5-in. casing which increased to 26,000 g. p. d. during static test of five hours' duration; outlet 7½ ft. above ground; lined with 1,892 ft. of 5-in. casing.
- Former reported flow (no date), 169,500 g. p. d.; temp., 117° F. Inspected 1/1/96; flow, 101,000 g. p. d.; temp., 110° F. Water comes up outside casing and is let away from a large well by a 3-in. pipe into a drain. Reinspected 15/6/12; flow, 43,500 g. p. d.; static head, 16 ft. to 39 ft.; temp., 108° F.; normal outlet, 6 ft. below surface of well; measured depth of bore, May, 1913=1,185 ft.
- Former reported flow (no date), 20,000 g. p. d.; temp., 117° F. Inspected 5/1/96; flow, 18,130 g. p. d.; temp., 103½° F. Reinspected 20/6/12; flow, 13,880 g. p. d.; static head, 16 ft. to 75 ft. Most of the flow issues outside the 5-in. casing, increasing with pressure; outlet, 9½ ft. above ground; cased with 1,892 ft. of 5-in. casing.
- Former reported flow (no date), 285,000 g. p. d.; temp., 118° F. Inspected 3/1/96, flow then 274,000 g. p. d., but outlet was probably 18 ft. lower than on 14/8/12; temp., 116° F. Reinspected 14/8/12; flow, 126,100 g. p. d.; static head, 91 ft. to 219 ft.; temp., 117° F.; outlet, 20 ft. above ground; duration of static test seventeen and a-quarter hours; a few bubbles of odourless gas in flow; discharge of shale, etc., during flush. Reinspected 25/9/14; flow, 122,000 g. p. d.; temp., 118° F.; no static test.
- Former reported flow (no date), 165,000 g. p. d. Inspected 3/1/96; flow then 170,000 g. p. d.; temp., 119½° F. Reinspected 15/8/12; flow, 109,800 g. p. d.; static head, 42 ft. to 160 ft.; temp., 119½° F.; outlet, 5 ft. above surface; duration of static test, fifteen and three-quarter hours; small amount of sandstone thrown up by flush.
- Former reported flow (no date), 50,000 g. p. d. Inspected 1/1/96; flow, 46,500 g. p. d.; temp., 100° F. Reinspected 17/6/12; flow, 12,100 g. p. d.; static head, 13 ft. to 46 ft.; temp., 108° F.; 5-in. casing only used; static test, five hours; large amount of gas in flow. Reinspected 11/6/13; flow, 12,100 g. p. d.; static head, 26 ft. to 35 ft. (closure one hour thirty-five minutes) or a drop of about 2ft. during twelve months; temp., 107° F. An attempt was made in 1907 to deepen this bore; depth could not be measured on account of obstruction in bore.
- Inspected 2/1/96; flow, 202,140 g. p. d.; temp., 110° F. Reinspected 8/8/12; flow, 59,000 g. p. d.; static head, 116 ft. to 240 ft.; temp., 110° F.; outlet, 10 ft. above ground; duration of static test, fifteen hours sixteen minutes; a small quantity of odourless gas in flow.
- Former reputed flow, 2,150,000 g. p. d. Inspected 12/12/11; flow, 933,550 g. p. d.; static head, 262 ft. to 269 ft.; temp., 114½° F.; outlet, 2 ft. above ground; 5-in. casing supported by wooden clamps resting on 8-in. casing; about 34,000 g. p. d., with a temperature of 111½° F. are flowing between the 8-in. and 5-in. casing, but were not affected by the static test of one hour; on partially cleaning the outlet from incrustation the flow over the casing fell from about 4 ft. to 3 ft. 3 in.; the casing is rather seriously rusted above W.L.
- Former reported flow (no date), 44,000 g. p. d. Inspected January, 1896; flow, 42,360 g. p. d.; temp., 110° F. Reinspected 19/6/12; flow, 27,440 g. p. d.; static head, 22 ft. to 268 ft.; leak outside 6-in. casing, after sixteen hours' closure, 4,500 g. p. d.; a little gas with a smell of S₂H.
- Original flow, 4 ft. over 5-in. casing. Inspected in December, 1895; flow, 1,064,500 g. p. d.; temp., 114° F.

Reinspected 7/12/11; flow, 866,500 g. p. d.; static head, 274 ft. to 281 ft.; temp., 115° F.; flow over casing 3 ft. 9 in., but after removing incrustation on inside of casing the flow fell to 2 ft. 4 in.; outlet, 3½ ft. above ground; one hour twenty minutes' static test; 5-in. casing very thin, but in fair condition, and supported by wooden clamps; bore irrigates 30 acres, producing a fair quality of grass feed; bore drain 25 miles in length.

- Inspected 6/6/12; flow, 527,230 g. p. d.; static head, 141 ft. to 158 ft.; temp., 117° F.; leakage of 1,000 g. p. d., outside 8-in. casing which increased to 2,000 g. p. d. during static test of three hours nine minutes; large efflorescence of sand on surface. Reinspected 18/6/13; flow, 594,780 g. p. d.; temp., 117° F.; an increase of 67,550 g. p. d., evidently due to a large piece of shale thrown up after previous static test; measured depth, 1,453 ft.
- Original estimated flow, 1,330,000 g. p. d.; first flow at 600 ft., second at 1,430 ft., third at 1,572 ft.=320,000 g. p. d., and fourth flow at bottom. Inspected October, 1912; flow, 850,000 g. p. d.; static head, 220 ft. to 330 ft.; temp., 123° F.; bore head badly rusted; small leakage of 5,000 g. p. d.; outside 6-in. casing unaffected by static test of two hours twenty-two minutes; outlet, 3½ ft. above ground. Reinspected 13/10/14; flow, 801,120 g. p. d.; no static test; casing corroded through below the valve.
- Former estimated flow, 680,000 g. p. d. Inspected 20/6/12; flow, 130,300 g. p. d.; static head, 48 ft. to 95.4 ft.; outlet, 4 ft. above ground; eleven and a-half hours' static test; 6-in. casing slightly corroded above W.L. Reinspected 9/6/13; difference in flow unmeasurable; fall in static head, 1.8 ft. in twelve months.
- Former estimated flow, 115,000 g. p. d. Inspected 9/8/12; flow, 52,100 g. p. d.; static head, 124 ft. to 219 ft.; temp., 111° F.; outlet, 4 ft. above ground; surface corrosion on wet side of casing; fourteen and a-half hours' static test.
- Former estimated flow, 1,745,000 g. p. d. Inspected 3/5/12; flow, 1,142,100 g. p. d.; static head, 226 ft. to 247 ft.; temp., 123° F.; outlet, 4 ft. above ground, flow over 6-in. casing=4 ft.; 1,580 ft. of 6-in. casing used in bore; duration of static test, fifty-three minutes.
- Soakage at 44 ft.; small flows at 1,180 ft. and 1,456 ft.; good flow at 1,580 ft.; main flow at 1,630 ft. to 1,640 ft.; total, 1,334,200 g. p. d.; bottom in hard rock; lined with 27½ ft. of 10-in., 464 ft. of 8-in., and 1,653 ft. of 6-in. casing; see Lic. 309.

Cairo or Ballal—Met brackish water at 60 ft. to 70 ft., and at 547 ft.; flow at 1,560 ft. to 1,580 ft.; increase at 1,604 ft., and at 1,686 ft.; total flow, 7 in. over casing, or about 480,000 g. p. d.; bottom in quartzite; lined with 1,477 ft. of 8-in. and 1,715 ft. of 6-in. casing; see Lic. 311.

462. Tilbooro Lease—Original estimated flow, 900,000 g. p. d. Inspected 21/10/13; flow, 652,270 g. p. d.; static head, 188 ft. to 193 ft.; temp., 139.5° F.; cased with 1,600 ft. of 6-in. and 1,900 ft. of 5-in. casing; duration of static test, one hour twenty-one minutes.

463. Tilbooro Resumption—

- Estimated flow after completion, 130,000 g. p. d. Inspected 25/5/11; flow, 49,710 g. p. d.; static head, 43 ft. to 71 ft.; temp., 115.5° F.; outlet, 3 ft. above ground; duration of static test, four hours; one water bed only met with; stated that the bore was sunk over 700 ft. into bedrock, which was met with immediately after striking the flow; gas in the bore water caused an oscillation in the flow while flushing after the static test.
- Estimated flow after completion, 112,600 g. p. d. Inspected 27/5/11; flow, 74,650 g. p. d.; static head, 106 ft. to 186 ft.; temp., 109.5° F.; 7-in. casing used; duration of static test twenty hours fifty-seven minutes; no leakage occurred outside of casing until two hours after closure, which increased to a steady flow of 4,790 g. p. d. within six hours, but ceased five minutes after taking off the pressure; a few bubbles of gas, also fine particles of shale were noticed in the flow; the flush measured after the static test amounted to 180,000 g. p. d.

Goora—Estimated flow after completion, 2,155,000 g. p. d. Inspected 16/5/11; flow, 1,044,800 g. p. d.; static head, 218 ft. to 224 ft.; temp., 117° F.; outlet 9 ft. above surface; duration of static test, thirty-six minutes; casing seriously rusted at top of clamps; water was formerly used for woolscouring; 25 miles of bore drains.

Hazelfield—Estimated flow after completion, 2,240,000 g. p. d. Inspected 20/5/11; flow, 1,421,470 g. p. d.; static head, 222 ft. to 275 ft.; temp., 116½° F.; first flow at about 1,100 ft.; duration of static test ninety-three minutes, which caused a leakage of 65,200 g. p. d., but stopped again after reopening the bore; the pressure oscillated for some time with a maximum amplitude of 50 ft. head and a period of 1.5 seconds; outlet, 6 ft. above surface.

464. Tinnenburra Lease—

1. Original reputed flow, 725,000 g. p. d. Inspected 21/8/96; flow then 237,000 g. p. d.; temp., 112° F.; cased with 1,000 ft. of 8-in. casing; almost half the yield was then reported to be issuing outside the 8-in. casing and a leakage at the valve. Reinspected 7/7/11; flow, 163,100 g. p. d.; static head, 81 ft. to 114 ft.; temp., 110.5° F.; outlet, 5 ft. above ground; no leakage was noticed outside casing during static pressure test of two hours twelve minutes duration; 4-in. valve badly rusted; a few minute gas bubbles were noticed in flow. Reinspected 28/4/13; flow not gauged; fall in potential 4 ft. to 5 ft., or about 4 per cent. in twenty-one months; measured depth, 1,040 ft.; temp., 112° F.; leak of about 1,000 g. p. d. appeared outside casing after thirty-eight minutes' closure, but ceased after taking off the pressure.
2. Original reputed flow over 2,700,000 g. p. d. Inspected 16/8/96; flow then 1,708,000 g. p. d.; temp., 112° F.; cased to 960 ft. with 6-in. casing. Reinspected 14/10/11; flow, 761,100 g. p. d.; maximum static head, 257 ft.; temp., 112° F.; depth reported to be 1,040 ft.; outlet 3 ft. above surface; duration of static test, ten minutes; casing and valve badly rusted. Reinspected 18/4/13; flow, 698,300 g. p. d.; static head, 238 ft.; temp., 112.5° F.; fall in static head, 11 ft. per annum, or 7 per cent. in twenty months.
3. Original reputed flow, 275,000 g. p. d. Inspected 14/8/96; flow then 125,300 g. p. d.; temp., 113° F.; cased with 900 ft. of 5-in. casing. Reinspected 30/6/11; flow, 40,550 g. p. d.; static head, 92 ft. to 192 ft.; temp., 112.5° F.; depth reported as 1,409 ft., outlet 1.5 ft. above surface; duration of static test, four hours fourteen minutes; casing slightly rusted; a few minute bubbles of gas in flow. Reinspected 13/4/12; flow showing no diminution. Reinspected 21/4/13; flow, 38,400 g. p. d.; temp., 113° F.; pressure not gauged; measured depth, 1,066 ft.
4. Original reputed flow over 900,000 g. p. d. Inspected 23/8/96; flow then 202,100 g. p. d.; cased to 687 ft. with 8-in. casing. Reinspected 10/8/11; flow, 106,000 g. p. d.; static head, 26 ft. to 56 ft.; temp., 105° F.; outlet, 2.3 ft. above ground (previously 14 in. higher); duration of static test, twenty-two hours; water contains plenty of gas which disappears on aeration. Reinspected 14/4/13; flow, 99,200 g. p. d.; static head, 23 ft. to 43 ft.; fall in potential, 3.7 ft. in twenty months; measured depth, 832 ft.; bore deepened in 1914; additional lining, 1,318 ft. of 5-in. casing; met with flow at 846 ft., 1,060 ft., 1,080 ft., and main flow at 1,195 ft.; bottom on bedrock; see Lic. 140. Reinspected 13/11/14; flow, 506,060 g. p. d.; temp., 112° F.
5. Original reputed flow, 900,000 g. p. d. Inspected 25/8/96; flow then 257,000 g. p. d.; temp., 120° F.; cased with 5-in. casing to 1,210 ft. Reinspected 5/8/11; flow, 40,550 g. p. d.; static head, 9.7 ft.; temp., 116° F.; depth reported as 1,370 ft.; outlet, 2.25 ft. above surface, or 8 in. lower than originally, increasing the flow by 6,100 g. p. d.; a considerable quantity of odourless gas in flow; casing supported by 10-in. wooden clamps. Reinspected 12/4/13; flow = 23,970 g. p. d.; temp., 116.5° F.; a diminution of 41 per cent. in twenty months; static head not gauged; measured depth, 1,058 ft.; bore deepened to bedrock in 1914; no more water tapped; see Lic. 141. Ceased to flow, date not known. Reinspected 12/11/15; W.L. 5 ft. below surface.
6. This bore is in New South Wales on Maranoa River.
7. Original reputed flow, 2,700,000 g. p. d. Inspection 28/8/96; flow then 1,745,000 g. p. d.; temp., 121° F.; cased to 1,300 ft. with 6-in. casing. Reinspected 28/7/11; flow, 384,600 g. p. d.; static head, 76 ft. to 94 ft.; temp., 118° F.; outlet, 1 ft. above ground; no leakage outside casing during static test lasting one hour sixteen minutes, but the general appearance suggests an outside flow.
8. Original reputed flow, 2,700,000 g. p. d. Inspected 4/8/96; flow, 1,642,000 g. p. d.; static head, 411 ft.; temp., 117.5° F.; cased with 111 ft. of 10-in. and 1,400 ft. of 5-in. casing; bore water used for wool-scouring. About April, 1909, the pressure was gauged by Mr. Millen (expert) with readings from 295 ft. to 311 ft. Reinspected 26/10/11; flow, 599,820 g. p. d.; static head, 217 ft. to 249 ft.; temp., 114.5° F.; depth reported as 1,528 ft.; outlet about 2 ft. above ground; normal leakage outside casing = 200 g. p. d., which increased to 500 g. p. d. during static test of one hour's duration. A Pelton wheel is employed to run wool press and hydraulic press for dumping, working under a pressure from 30 lb. to 40 lb. per square inch during shearing time.
9. Original reputed flow, 900,000 g. p. d. Inspected 26/8/96; depth, 1,428 ft.; flow then 315,100 g. p. d.; temp., 120° F.; cased with 5-in. casing to 1,420 ft. Reinspected 18/7/11; flow, 143,900 g. p. d.; static head, 25 ft. to 32 ft.; temp., 120° F.; outlet, 2.9 ft. above ground; depth reported as 1,430 ft.; duration of static test, four hours; casing in fair condition. Reinspected 8/4/13; flow, 130,300 g. p. d.; static head, 20 ft. to 24.2 ft., or a loss of 9.2 per cent., and 16.3 per cent. respectively in twenty months; temp., 119.5° F.;

measured depth, 1,325 ft.; bore deepened to bedrock in 1915, met with an additional flow below 1,539 ft.; bore lined with 1,256 ft. of 6-in. and 1,574 ft. of 5-in. casing; see Lic. 142. Reinspected 11/11/15; flow, 384,600 g. p. d.; temp., 120° F.

10. Inspected 25/6/96; estimated flow, 30,000 g. p. d.; work suspended; flow at about 700 ft. Reinspected 20/10/11; flow, 4,240 g. p. d.; temp., 99° F.; 8-in. and 5-in. casing visible at surface, and string of tools as originally left still projecting over casing.
11. Original flow (by owner), 115,030 g. p. d. Inspected 14/4/12; flow, 62,780 g. p. d.; static head, 47.4 ft. to 160 ft.; temp., 98° F.; outlet, 3 ft. above ground; duration of static test, seventeen minutes; a leakage between the 8-in. and 6-in. casing occurred after seven minutes closure; probable maximum head about 200 ft.; met with three flows and terminated in quartz schists; see Lic. 54 and bore section No. 273. Reinspected 19/4/13; flow, 54,600 g. p. d.; static head, 92 ft. to 138 ft.; temp., 99° F.; measured depth, 933 ft.
12. For strata, etc., see Lic. 62 and bore section 274. Inspected 23/8/12; flow, 1,027,500 g. p. d.; valve not yet fixed; terminated in 15 ft. of quartz and 31 ft. of slate. Reinspected 23/4/13; no diminution in flow since (23/8/12); static test not taken on account of leakage between 8-in. and 10-in. casings, which increased on closure to about 100,000 g. p. d.; temp., 111° F.
13. Original flow, 910 g. p. d.; struck bedrock at about 1,296 ft.; bore determined in schist; see Lic. 94.
14. Soak of fresh water at 65 ft.; very small flow at 650 ft., main flow at 1,415 ft. to 1,420 ft.; more water at 1,560 ft.; total estimated flow, 290,000 g. p. d.; bottom in 10.5 ft. of quartz and slate; bore lined with 197 ft. of 10-in., 299 ft. of 8-in., and 1,570 ft. of 6-in. casing; see Lic. 138. Inspected 14/2/16; flow, 492,000 g. p. d.; temp., 122° F.
15. Very small flows at 600 ft. and 1,130 ft.; a flow of about 150,000 g. p. d. at 1,475 ft.; main flow at 1,590 ft. to bottom; flow on completion about 900,000 g. p. d.; bottom in 8 ft. of quartz; lined with 520 ft. of 8-in. and 1,628 ft. of 6-in. casing; see Lic. 319.

Belalie Well—Inspected 20/10/11; W.L. at 25.5 ft.; strata seems to be mostly white sandstone.

The Whip Well—Inspected 16/10/11; W.L. at 17 ft.; river gravel at 12 ft., then blue and red sandstone and claystone; troughing installed for some time.

Bitherty Well—Inspected 13/10/11; W.L. at 44.5 ft.; stated that water was struck in a layer of driftsand; and that the water entered the well as fast as the men could ascend; water raised by windlass and two 5-gallon drums.

Manathoura Well—Inspected July, 1911; W.L. at 17 ft.; depth 19 ft. (probably silted up by flood waters); stated to have been sunk to supply a fencer's camp.

Jackey Well—Inspected 2/8/11; W.L. at 15 ft.; yield tested by bailing; water met with below a 2-ft. layer of quartzite; slightly brackish. Well has drives.

No. 4 Well—Inspected 9/8/11; W.L. at 17 ft.; yield tested by bailing; soakage at 40 ft. in claystone; not used for years.

465. Tongy Lease—

1. No boring records; estimated flow, 1,330,000 g. p. d.; temp., 128° F. Stated that in 1913 the flow fell from over 1 ft. to a few inches over the 6-in. casing. Inspected 16/12/15; flow, 224,000 g. p. d.; temp., 116° F.; casing badly corroded at surface; water good; no gas in flow.
2. Supply at 700 ft. rose to 156 ft., and at 1,020 ft. to within 90 ft. of surface; flow at 1,150 ft., 1,480 ft., 1,760 ft., 1,825 ft., and 1,920 ft.; total, 24 in. over 6-in. casing, or about 1,040,000 g. p. d.; bottom in sand-drift; bore lined with 201 ft. of 10-in., 768 ft. of 8-in., and 1,775 ft. of 6-in. casing; see Lic. 123. Inspected 6/4/14; flow, 993,000 g. p. d. Reinspected 18/12/15; flow, 706,000 g. p. d.; static head, 87 ft. to 92 ft.; temp., 116° F.; water very good.

466. Toolburra South—Data from newspaper reports.

467. Toolebuc Lease—

1. Supply of 40,000 g. p. d. in sandrock and gravel, rose originally to 33 ft. below surface; bottom in 20 ft. of drift sand; bore lined with 507 ft. of 6-in. casing. A shaft to 46 ft. was sunk in January, 1895. Inspected 2/6/96; available supply at 55 ft. = 63,000 g. p. d.; temp., 100.5° F.; bore worked by a double horse whip. Reinspected 3/3/15; estimated W.L. at 120 ft. (probably too low). Stated that water is sometimes excellent and at other times it contains much soda.
2. A soak at 288 ft. and a flow of about 36,000 g. p. d., originally at 411 ft. in sand and sandstone; stated to have met with granite at 531 ft.; bore lined with 434 ft. of 5-in. casing. Inspected 1/6/96; flow, 12,040 g. p. d.; static head, 6 ft.; temp., 95° F.; flow diminished gradually and ceased to flow (date not known). Reinspected 7/3/15; W.L. about 38 ft. below surface; temp., 95° F.; water contains much soda.

3. Soakage water at 226 ft. rose to 38 ft., uncertain if any increase below 226 ft.; bottom said to be in rotten granite; bore lined with 524 ft. of 5-in. casing. Inspected 23/6/96; W.L., 36 ft. below surface; surface water standing in casing saline. Reinspected 10/3/15; W.L., 72.6 ft. below surface; a shaft sunk to below W.L.; stock water only, too purgative for human consumption; pumping plant out of order, water not utilised.
4. A soakage of no value at 182 ft.; bottom in limestone and 10 ft. of granite; casing withdrawn; abandoned.
5. Original estimated flow, 21,600 g. p. d. at 407 ft. in drift sand to bottom; bore lined with 440 ft. of 5-in. casing. Inspected 27/5/96; flow, 17,700 g. p. d.; static head about 5 ft. to 8 ft.; temp., 95° F.; flow diminished gradually and ceased in about 1907; reported W.L. in 1907=7 ft. below surface; bore deepened in June, 1914, to 500 ft.; inserted 35.5 ft. of 4-in. casing near bottom; W.L., 12 ft. below surface. Reinspected 7/3/15; W.L., 17 ft. below surface; temp., 95° F.; fair drinking water, but contains soda; water raised by air lift in dry time only
6. Supply at 640 ft. rose to 12.5 ft. below surface and was tested to about 100,000 g. p. d.; soft sandstone from 640 ft. to 800 ft.; bottom in granite; bore lined with (?) 661 ft. of 5-in. casing. Inspected 4/6/96; W.L. at 15 ft.; a shaft sunk to 33 ft.; available pumping supply about 150,000 g. p. d.; temp., 100° F.; water raised by double whip. Reinspected 20/2/15; reported lining in bore, 631 ft. of 5-in. and 240 ft. of 4-in. casing; W.L. at about 120 ft. (by owner, probably too low); fair drinking water.
7. Supply at 800 ft. rose to 22 ft. below surface; about 300 ft. of sandstone below 800 ft.; bottom in granite; pumping supply estimated at 150,000 g. p. d.; a shaft was sunk in January, 1896, to 46 ft., and the string of 764 ft. of 5-in. casing accidentally slipped below the bottom of the shaft; see inspector's report, Vol. I., page 117. Inspected 19/2/15; estimated W.L. at 98 ft. (probably too low); lining stated to consist of 1,161 ft. of 5-in. and 106 ft. of 4-in. casing; fair drinking water.
8. Supply at 525 ft. rose to 8.5 ft. below surface; satisfactory pumping supply; bottom in 84 ft. of sandstone; bore lined to 532 ft. with 5-in. casing. Inspected 11/6/96; shaft sunk to 19 ft., and connections made to a low level drinking tank at 14 ft.; flow into shaft at 14-ft. level, 6,000 g. p. d. Reinspected 3/3/15; W.L. at about 50 ft.; shaft sunk to about 70 ft.; 106 ft. of 4-in. casing at bottom; windmill partially dismantled.
9. Original W.L., 42 ft. below surface; said to have bottomed granite; bore lined with 1,010 ft. of 6-in. casing, also with 55 ft. of 5-in. casing at bottom. Inspected 17/2/15; W.L. about 91 ft. below surface; good drinking water.
10. Abandoned at 231 ft.; casing withdrawn.
11. Abandoned at 438 ft.; casing withdrawn.
12. Sunk in a fossiliferous sandstone outcrop; said to have bottomed granite; original W.L. not known; bore lined with 427 ft. of 6-in. casing, also 98 ft. of 5-in. casing at bottom. Inspected 4/3/15; W.L. about 75 ft. below surface; pumping supply about 50,000 g. p. d.; good drinking water.
13. Bottom said to be in granite; original W.L. at (?) 90 ft.; bore lined with 636 ft. of 6-in. casing, also with 87 ft. of 5-in. casing near bottom. Inspected 2/3/15; W.L. at about 90 ft.; benzene engine installed as a standby unit; excellent drinking water.
14. Original W.L., 11 ft. below surface; estimated pumping supply, 50,000 g. p. d.; bore lined to bottom with 4-in. casing; reported in March, 1915, as abandoned; sunk about 1 mile north-west of a fossiliferous sandstone outcrop.
15. Bore sunk about 1 mile east of above fossiliferous sandstone outcrop; casing withdrawn; reported as abandoned in March, 1915.
16. Original W.L., 28 ft. below surface; said to have reached bedrock; bore lined with 6-in. and 5-in. casing. Inspected 20/2/15; W.L. at about 86 ft.; pump out of order; good drinking water; contains some soda.
17. Inspected 5/3/15; bore in progress.
- 17A. Bore sunk close to No. 17 bore; a soak met with at about 200 ft.; a hammer dropped down the hole; bore abandoned.

El Rita Station, Toolebuc Resumption—

1. No data.
2. No data.
3. Supply of black mud only at 720 ft. to 800 ft., then grey shale; bottom said to be on granite; lined with 6-in. casing.

Inveraven Homestead—

1. Some brackish water at 125 ft. (cased off); supply at 150 ft. to 170 ft. rose to 90 ft. below surface; bottom in 5 ft. of sandy shale; lined with 6-in. casing.
2. A small soak at 190 ft.; said to have drilled through 180 ft. of quartz and mica; bottom on granite.
3. No data.

4. Sunk $\frac{1}{2}$ -mile south of granite outcrop; strata 80 ft. of clay, then 76 ft. of sandstone; bottom on granite; abandoned.
5. Small soak at 282 ft., after passing through 114 ft. of layers of hard and soft sandstone; drilling very severe on tools.

468. Toorak Lease—

1. Original flow, 19 in. over 6-in. casing from 1,180 ft. to 1,285 ft. in sandstone; temp., 130° F.; bore lined to 908 ft. with 6-in. casing. Inspected 14/9/96; flow, 795,400 g. p. d.; static head, 203 ft. to 300 ft.; temp., 129.5° F.; thread of casing on top apparently corroded away; casing covered by a dark red-brown pulverulent deposit $\frac{1}{4}$ in. thick. While flushing the bore large stones and debris were ejected probably exceeding a ton. Bore cleaned out and deepened by 8 ft. in (?) June, 1897 (no particulars); flow reported in 1907 as 554,000 g. p. d. Reinspected 19/6/15; flow, 293,800 g. p. d.; casing somewhat corroded; red iron oxide in bore drain for some distance; excellent drinking water; some gas in flow. Variation of temp. in bore; at surface 129.5°, at 50 ft., 125 ft., and 250 ft. 130°, at 500 ft. 130.5°, at 750 ft. 131°, and at 1,000 ft. 134° F.
2. Original estimated flow, 1,000,000 g. p. d. from 1,414 ft. to 1,550 ft. in sandstone; bore lined with (?) ft. of 6-in. casing. Stated that after fixing the borehead the bore was closed down and the casing commenced to rise slowly, but on reopening again sank to its former position. Inspected 16/9/96; flow, 698,200 g. p. d.; partial static test only; large leakage outside casing under closure; probable maximum head over 200 ft.; temp., 136° F. Garden successfully irrigated. Bore cleaned out and deepened by 120 ft. in (?) April, 1897 (no particulars); flow reported in 1907 as 784,000 g. p. d., and again in January, 1912, as 537,000 g. p. d. Reinspected 10/6/15; flow, 434,500 g. p. d.; temp., 139° F.; outside leaks in pool at bore and also ground springs some distance away; 6-in. casing somewhat corroded; red oxide around borehead; excellent drinking water; a moderate amount of gas in flow.
3. Original estimated flow, 1,330,000 g. p. d. by I.C.B. Co.; no particulars of strata, etc.; flow reported in 1907 as 784,000 g. p. d. Inspected 4/6/15; flow, 411,400 g. p. d.; temp., 133.5° F.; borehead built in by stone-work; much red oxide in bore drain and some white incrustation; excellent drinking water; some gas present.
4. Original estimated flow over 1,500,000 g. p. d.; no particulars of strata, etc.; flow reported in 1907 as 731,000 g. p. d., and estimated in January, 1912, as 500,000 g. p. d. Inspected 9/6/15; flow, 497,600 g. p. d.; temp., 143.5° F.; 6-in. casing visible at surface; flow partly controlled for working a hydraulic ram to supply station tank; external corrosion on borehead, some red oxide around bore; and some white incrustation; excellent drinking water; some gas in flow.
5. Original flow not known, and no particulars of strata, etc.; flow reported in 1907 as 1,000,000 g. p. d., and in January, 1912, as 606,000 g. p. d. Inspected 3/6/15; flow, 521,800 g. p. d.; temp., 136° F.; 6 in. visible casing slightly corroded, much red oxide around head and in bore drain; excellent drinking water; a little gas in flow and some white incrustation in bore drain.
6. Original flow, 24 in. over 6-in. casing from 1,380 ft. to 1,660 ft. in sandrock; 66 ft. of kerosene shale below 743 ft.; bottom in 20 ft. of hard red rock; bore lined with 54 ft. of 10-in., 116 ft. of 8-in., and 1,380 ft. of 6-in. casing. Inspected 14/6/15; flow, 559,800 g. p. d.; temp., 144° F.; apparently a slight leak from borehead (submerged); some gas in flow; excellent drinking water.

469. Tower Hill Lease—

Constitution—Original depth in 1901=2,430 ft. or 2,500 ft., and a good flow; bore ceased to flow in March, 1906, and was evidently deepened in 1908 (no data to hand); stated to be lined with 2,200 ft. of 6-in. casing, thence with 500 ft. of 5-in. casing near bottom. Inspected 6/12/13; flow, 51,000 g. p. d.; temp., 129° F.; some gas present; water corrosive.

Needlewood—Tower Hill Resumption—Original W.L., 20 ft. below surface (owned then by G. McPhie). Inspected 13/12/13; W.L., 71 ft. below surface; pump worked by petrol engine; 6-in. casing visible at surface; water very good.

Eastfield—Original W.L. not known; supply near bottom; bore lined with 108 ft. of 6-in. casing. Inspected 10/12/13; W.L., 77 ft. below surface; pump at 96 ft.; water of slight alkaline taste.

470. Tregonning Group—

1. No boring records; lined to bottom with 6-in. casing. Inspected 3/3/16; water good; W.L. at 188 ft.
2. Brackish water at 190 ft., and good supply at 362 ft., which rose to 182 ft. Inspected 26/2/16; W.L. at 182 ft. below top of casing; water slightly brackish, but can be used for domestic purposes.
3. No boring records; bore lined with 6-in. casing; water rose to 234 ft. below surface. Inspected 26/2/16; W.L. at 244 ft.; water very brackish.

Millwood—

1. No boring record; bore lined with 6-in. casing. Inspected 27/2/16; W.L. at 184 ft.; water brackish; good stock water.
2. No boring records; bore lined with 6-in. casing. Inspected 27/2/16; W.L. at 208 ft.; water fresh.
3. No boring records; bore lined with 6-in. casing. Inspected 27/2/16; W.L. at 308 ft.; water good for all purposes.

Armadilla Lease—

1. Dry to about 370 ft.: water did not rise. Inspected May, 1916; water good.
2. Inspected in May, 1916; measured depth on 4/3/16=419 ft.; no water in bore, probably silted up to above waterbed.

471. Tulby and Talawanta Leases—

1. Original free flow stated to have been 8 ft. over 5-in. casing, when inspected 21/7/96; the flow was about 5 ft. over casing. Reinspected 28/8/12; flow, 464,400 g. p. d.; static head, 99 ft. to 238 ft. (computed); temp., 110° F.; outlet, 18 in. above surface; leakage between casings, partial pressure test only, maximum head estimated.
2. Original flow not known. Inspected 19/7/96; flow, 563,170 g. p. d.; temp., 120° F. Reinspected 22/8/12; flow, 340,270 g. p. d.; static head, 173 ft. to 334 ft.; temp., 118° F.; a normal flow of 36,000 g. p. d. is issuing between 5-in. and 8-in. casings and increased with pressure; maximum static head calculated; casing badly rusted above surface. Reinspected 7/10/14; flow, 334,100 g. p. d.; no static test.

Towry Hand Bores—Inspected 8/8/12; Nos. 1, 2, and 3, cased with 4-in. casing, and No. 4 with 1-in. casing; duration of static test in No. 1 bore, eleven hours eight minutes; a rise in W.L. in No. 2 bore (120 ft. east of No. 1) was noticed during static test of No. 1 bore; a small quantity of odourless gas in flow.

472. Tulga Selection—Data from newspaper reports.

473. Tull's Block—Data from newspaper report.

473a. Tyrconnel Resumption—

Turley—Dry to 570 ft.; strata blue shale; W.L. at 280 ft.; lined with 5-in. casing. Inspected in May, 1916; water very brackish but fit for stock.

Turida—A shaft to 50 ft.; water at 200 ft. in white sand, rose to 12 ft. below surface; water good.

Wilga Downs—Sandstone to 160 ft., then 24 ft. of water-bearing drift sand; bottom in very greasy shale; lined to 160 ft. with 6-in. casing; tools lost in bore. Inspected 15/4/16; water equal to rainwater. Stated that a 2-in. trial hole, 2 chains distant, had to be abandoned on account of a large flow of gas, but on removing the plug on inspection the gas had disappeared.

Nalpa Downs—Saltwater at 184 ft., good water at 340 ft., bottom in 9 ft. of clay; lined with 6-in. casing. Inspected 15/4/16; a shaft to 13 ft.; W.L. at 120 ft. below surface.

Abbotsford, near Mitchell—

1. No intermediate supplies; lined with 5-in. casing. Inspected 14/4/16; W.L. at 150 ft.; water good.
2. Strata chiefly blue clay to waterbed at 387 ft.; lined with 5-in. casing. Inspected 14/4/14; W.L. at 150 ft.; water good.

Strath-albyn—Salt soak at 200 ft., fresh water at 450 ft. rose to 200 ft. and main supply at 620 ft. to 180 ft.; lined with 500 ft. of 5-in. casing. Inspected 17/4/16; pump at about 250 ft.; good drinking water, a little hard.

474. Ularunda Lease—

1. Met with a flow at about 800 ft.; flow temporarily cased off; at 1,400 ft. water rose to within 12 ft., and did not alter after the casing was perforated at 800 ft.; no data of lower flow; estimated flow on completion, 150,000 g. p. d.; static head, 27 ft., but fell to 11 ft. in about 5½ years; bore lined with 1,400 ft. of 6-in., 300 ft. of 5-in., and 300 ft. of 4-in. casing, the latter is cased at 2,000 ft. Early in 1915 the outlet was lowered by 2.75 ft., and the flow was thereby almost doubled. Inspected 23/7/15; flow, 62,400 g. p. d.; temp., 112.5° F.; water good, no gas; casing submerged in pool. Variation of temp. in bore—at surface 112.5°, at 215 ft. =114°, at 413 ft. =115.4°, at 611 ft. =118.4°, at 809 ft. =120°, at 1,007 ft. =120.8°, at 1,205 =121.4°, at 1,253 ft. =122.2°, and at 1,454 ft. =122.8° F.
2. Water from 500 ft. to 600 ft. rose originally to surface; no further data of lower water beds; W.L. at completion, 11 ft. below surface; bore lined to 1,170 ft. with 8-in., then a gap of 330 ft. uncased, and another string of 300 ft. of 8-in. casing is resting on bottom. Inspected 19/8/15; W.L., not taken.
3. No boring records; original W.L. at 96 ft.; bore lined with 443 ft. of 8-in. casing; yield 20,000 g. p. d., at 120 ft. from surface, when completed. Inspected 21/7/15; W.L. not taken; water good.

4. No boring records; original W.L. at 145 ft., and yield=9,000 g. p. d. at 220 ft.; bore lined with 253 ft. of 8-in. and 105 ft. of 5-in. casing. Inspected 12/8/15; W.L. not taken; water fair.

5. No boring records; original measured flow=101,000 g. p. d.; bore lined with 676 ft. of 8-in. casing. Inspected 19/8/15; flow, 32,800 g. p. d.; temp., 92° F.; water brackish.

6. No boring records; original flow, 4,320 g. p. d.; bore lined to bottom with 5-in. casing. Inspected 26/7/15; flow, 2,880 g. p. d.; calculated static head about 6 ft.; temp., 88° F.; water good, no gas; temp. at bottom of bore 96° F.

7. No boring records; original flow, 61,000 g. p. d.; static head, over 36 ft.; bore lined with some 8-in. and 558 ft. of 5-in. casing. Inspected 27/7/15; flow, 38,600 g. p. d.; temp., at outlet of troughing (about 5 chains distant)=89.4° F.; water good.

8. No boring records; original flow, 34,560 g. p. d.; static head, 35 ft.; bore lined with 599 ft. of 7-in. casing. Inspected 18/7/15; flow, 17,400 g. p. d.; temp., 89.5° F.; water good.

9. No boring records; original flow, 6,000 g. p. d.; bore lined with 684 ft. of 5-in. casing. Inspected 19/8/15; estimated flow, 3,000 g. p. d.; static head, about 12 ft.; temp., 89.5° F.; water of alkaline taste.

10. No boring records; original flow, 14,400 g. p. d.; static head of over 36 ft.; bore lined with 737 ft. of 5-in. casing. Inspected 19/8/15; estimated flow, 5,000 g. p. d.; static head about 17 ft.; temp., 90° F.; water of alkaline taste.

11. No boring records; original flow, 9,818 g. p. d.; static head about 20 ft.; bore lined with 608 ft. of 5-in. casing. Inspected 23/7/15; flow, 4,660 g. p. d.; static head, 16.8 ft. to 18.6 ft.; temp., 89° F.; water good.

12. No boring records; original flow, 28,000 g. p. d.; static head, 12 ft.; bore lined with 590 ft. of 6-in. casing. Inspected 20/8/15; flow about 8,000 g. p. d.; temp., 79° F.; water good; a little gas in flow.

13. No boring records; original W.L. at 40 ft.; yield, 26,000 g. p. d. from 81 ft.; bore lined with 515 ft. of 7-in. casing. Inspected 27/7/15; W.L. not taken; water a little brackish.

14. No boring records; original W.L. at 19 ft., and yield=43,000 g. p. d. at 73 ft.; bore lined with 534 ft. of 8-in. casing. Inspected 19/7/15; W.L. not taken; pumped at the rate of 10,000 g. p. d., without lowering the W.L.; water slightly brackish.

15. No boring records; original W.L. at 102 ft., and yield =23,000 g. p. d. at 146 ft.; bore lined with 465 ft. of 7-in. casing. Inspected 11/8/15; water fair.

16. No boring records; original W.L. at 61 ft., and yield 36,500 g. p. d. at 69 ft.; bore lined with 550 ft. of 7-in. casing. Inspected 10/8/15; water brackish.

75. Wingers—Uanda Resumption—

1. Water at 780 ft. rose to 60 ft. and at 915 ft. to 35 ft. below surface; lined to 780 ft. with 6-in. casing. Reported W.L. in 1907=40 ft. below surface.

2. W.L. at 1,000 ft. (in progress) about 100 ft. below surface. Reported W.L. in 1907=111 ft. below surface.

3. Reported W.L. in 1907=60 ft. below surface.

Shirley Grazing Farms—

1. Reported W.L. in 1901 and 1907=60 ft. below surface.

2. Reported W.L. in 1901 at 60 ft. and in 1907 at 100 ft.

3. Reported W.L. in 1901 at 50 ft. and in 1907 at 80 ft.

4. Reported W.L. in 1901 at 80 ft. and in 1907 at 100 ft.

476. Unah Lease—

1. Bore abandoned by contractor.

1a. Sunk close to No. 1 bore; original reputed flow at 2,920 ft.=800,000 g. p. d.; no further increase of flow reported in layers of sandrock below this depth; very small flow at 2,800 ft. cased off; bore lined with 14 ft. of 10-in., 393 ft. of 8-in., and 1,748 ft. of 6-in. casing; also with 1,820 ft. of 5-in. casing; see Lic. 47. Inspected 9/11/14; flow, 340,250 g. p. d.; temp., 148° F.; very little gas in flow.

477. Victoria Downs—

1. No boring records; original W.L. at 100 ft. below surface; bore lined with 5-in. casing. Inspected 24/11/15; W.L. at 113 ft.; water has a strong sulphate taste.

2. No boring records; original W.L. at 70 ft. below surface; bore lined with 5-in. casing. Inspected 24/11/15; W.L. at 115.4 ft.; water has a strong sulphate taste.

3. Original W.L., 60 ft. below surface, and in November, 1915, at 75 ft.

4. Original W.L., 60 ft. below surface.

5. Original W.L., 70 ft. below surface, and in November, 1915, at 99.4 ft.

6. No boring records; original W.L. at 120 ft. below surface; bore lined to bottom with 5-in. casing. Inspected 22/11/15; W.L. at 124 ft.; water barely palatable.

7. No supply.

8. Original W.L., 120 ft. below surface, and in November, 1915, at 140.5 ft.

478. Ivanhoe (Victoria Downs Resumption)—

1. No boring records; bore lined with 5-in. casing. Inspected 28/11/15; W.L. at 119.2 ft. below surface; water has a strong sulphate taste.
2. Not inspected.
3. Not inspected.
4. No boring records; original W.L. at 170 ft.; bore lined with 5-in. casing. Inspected 25/11/15; nine lengths of 2-in. piping and pump dropped in the hole, water stated to have a strong sulphate taste.
5. No boring records; bore lined with 5-in. casing. Inspected 15/8/15; W.L. at about 200 ft.; water good; pump not working.
6. Met with a supply at 190 ft., 290 ft., and 430 ft., the latter two rising to about 200 ft.; bore lined with 5-in. casing. Inspected 14/8/15; W.L. at about 200 ft.; water good.

479. Vindex Lease—

Bores A, B, C from Government Geologist's report, 1894.

1. Deep; original estimated flow, 300,000 g. p. d.; temp., 190° F.; bore lined with 6-in. casing. Inspected 11/1/13; flow, 130,000 g. p. d.; temp., 178° F.; outlet, 3.6 ft. above surface; non-inflammable gas present; flow measured by owner: 11/2/12=161,000 g. p. d., 15/6/11=151,500, 27/1/12=139,000, 31/5/12=132,000, 11/1/13=122,000, 11/1/13=126,000 (outlet lowered 1 ft.), 1/11/13=115,000. Reinspected 21/4/15; flow, 90,000 g. p. d.; temp., 175.5° F.; water good.
- 1A. Deep; abandoned since 1889; tools stuck in bore.
2. Deep; original estimated flow, 300,000 g. p. d.; temp., 182° F.; bore lined with 6-in. and 5-in. casing. Inspected 13/1/13; flow, 108,000 g. p. d.; temp., 173° F.; casing slightly corroded; small flow outside casing. Stated that the day after the flow in Oondooroo No. 2 bore was struck the bore drains ran 1½ miles less in distance. Flow measured by owner—27/2/11=142,000 g. p. d., 22/6/11=132,000, 19/12/11=132,000, 1/8/12=115,000, 19/11/13=88,000 g. p. d.; ceased to flow suddenly on 6/3/15. Reinspected 24/4/15; W.L., 22 ft. below top of casing.

Vindex Lease (shallow bores)—

1. Sunk near No. 3 bore; no boring records. Inspected 9/9/15; bore abandoned; casing withdrawn.
2. Sunk near No. 3 bore; reported W.L. after completion at 140 ft.; supply (?) 20,000 g. p. d. Inspected 9/9/15; bore abandoned; casing withdrawn.
3. Bore lined with 277 ft. of 6-in. casing. Stated that the bore had originally a pumping supply of 7,000 g. p. d., and that the W.L. stood at 84 ft. while the water was utilised. Inspected 9/9/15; W.L. at 67 ft.; supply decreased; water very salty; bore abandoned.
4. Supply very small and brackish; bore abandoned; casing withdrawn.
5. Bore lined with 400 ft. of 6-in. and 60 ft. of 5-in. casing. Inspected 20/9/15; W.L. at 108 ft.; supply, 7,000 g. p. d.; water slightly brackish.
6. Bore lined with 367 ft. of 6-in. and 50 ft. of 5-in. casing. Inspected 21/9/15; W.L. at 200 ft.; small supply; windmill removed; water good.
7. See Lockhart's bore, below.
8. See Erinagh No. 1 bore, below.
9. Supply at 380 ft.; bore lined with 6-in. casing; reported W.L. at 100 ft. in November, 1914, and supply 7,000 g. p. d. Inspected 16/4/15; W.L., 98.5 ft. below surface; stock water, brackish.
10. No water met with; bore abandoned; casing drawn.
11. Bore lined with 454 ft. of 6-in. casing. Inspected 20/9/15; W.L. at 168 ft.; supply 9,600 g. p. d.; water good and drinkable.
12. No supply bore abandoned; casing drawn.
13. Bore lined with 510 ft. of 6-in. casing. Inspected 17/9/15; W.L. at 131 ft.; supply, 10,000 g. p. d.; water brackish; not yet utilised.
14. No supply; bore abandoned; casing drawn.
15. Bore lined to bottom with 6-in. casing. Inspected 21/9/15; W.L. at 170 ft.; supply, 7,200 g. p. d.; water very good.
16. Struck water at 190 ft. and 310 ft.; bore lined with 600 ft. of 6-in. casing. Inspected 28/9/15; W.L. at 144 ft.; estimated supply 5,000 g. p. d.; water has not been used as yet.
17. Struck water at 110 ft. and 258 ft.; bore lined with 282 ft. of 6-in. casing. Inspected 18/9/15; W.L. at 159 ft.; supply, 13,000 g. p. d.; water good and palatable.
18. Struck water at 100 ft. and 280 ft.; bore lined with 600 ft. of 6-in. casing. Inspected 10/9/15; W.L. at 79 ft.; supply, 7,800 g. p. d.; water slightly brackish.
19. No boring records; bore abandoned; water salt; casing withdrawn.
20. Water struck at 470 ft. to 493 ft.; bore lined with 510 ft. of 6-in. casing. Inspected 23/9/15; W.L. at 164 ft.; supply, 8,500 g. p. d.; water slightly brackish.
21. Struck water at 175 ft., 390 ft., and from 550 ft. to 600 ft.; bore lined with 604 ft. of 6-in. casing. In-

spected 27/9/15; W.L. at 100 ft.; pumping supply at 285 ft. over 12,000 g. p. d.; water slightly brackish; pumping plant not yet rigged.

Vindex Resumption—

Kywong—Soakage at 90 ft.; supply at 180 ft.; main supply at 430 ft.; bore lined with 300 ft. of 6-in. casing. Inspected 2/7/15; W.L. at 80 ft.; supply, 15,000 g. p. d.; water fresh.

Lockhart's—Main supply at 370 ft.; bore lined with 382 ft. of 6-in. casing. Inspected 3/7/15; W.L. at 95 ft.; supply, 4,000 g. p. d.; water fresh.

Erinagh—

1. Main supply at 370 ft.; bore lined with 383 ft. of 6-in. casing. Inspected 10/8/15; W.L. at 148 ft.; supply, 5,000 g. p. d.; water fresh and drinkable.

2. Soakage at 120 ft.; in progress.

Belmont (Vindex Resumption)—

1. Known as Elizabeth Creek; bore lined with 8-in. casing. Inspected 8/4/15; W.L. at 74 ft.; supply, 8,000 g. p. d.; water slightly brackish.

2. Known as Kennedy Creek. Bore lined with 8-in. casing. Inspected 7/8/15; W.L. at 110 ft.; supply, 8,000 g. p. d.; water fresh with slight soda taste.

3. Known as Triton. Bore lined with 6-in. casing. Inspected 2/8/15; W.L. at 100 ft.; supply, 5,000 g. p. d.; water fresh with soda taste.

4. Known as Horse Paddock. Bore lined with 6-in. casing. Inspected 6/8/15; W.L. at 80 ft.; supply, 17,000 g. p. d.; water fresh with slight soda taste.

Well—Reported supply in December, 1914=6,000 g. p. d. Inspected 4/8/15; W.L. at 112 ft.; water brackish; used for stock only.

Apsley Downs (Vindex Resumption)—

1. Struck water at 270 ft. and 330 ft.; bore lined with 352 ft. of 6-in. casing; deepened by 52 ft. in 1910. Inspected 4/9/15; W.L. at 120 ft.; supply, 14,000 g. p. d.; water brackish.

2. Struck water at 160 ft., 200 ft., and 410 ft.; bore deepened in 1912 from 325 ft.; lined with 445 ft. of 6-in. casing. Inspected 2/9/15; W.L. at 120 ft.; supply, 30,000 g. p. d.; water brackish.

3. Struck water at 240 ft. and 270 ft.; bore lined with 300 ft. of 6-in. casing. Inspected 7/9/15; W.L. at 100 ft.; supply, 15,000 g. p. d.; water brackish.

4. Abandoned; salt water; casing drawn.

5. Known as Oondooroo—Struck water at 180 ft., 250 ft., and 350 ft.; bore lined with 378 ft. of 6-in. casing. Inspected 6/9/15; W.L. at 105 ft.; supply, 30,000 g. p. d.; water brackish.

6. Known as Scott's Creek—Struck water at 63 ft., 160 ft., and 367 ft.; a shaft sunk to 157 ft.; bore lined with 250 ft. of 6-in. casing (extending 6 ft. above bottom of shaft). Inspected 4/9/15; W.L. at 120 ft.; supply 30,000 g. p. d.; water brackish.

7. Known as Top Scott's Creek—Water struck at 150 ft. and 350 ft.; bore lined with 382 ft. of 6-in. casing. Inspected 4/9/15; W.L. at 123 ft.; supply, 20,000 g. p. d.; water brackish.

8. Known as Stanley—Struck water at 270 ft., 340 ft., and 510 ft.; bore lined with 500 ft. of 6-in. casing. Inspected 3/9/15; supply, 12,000 g. p. d.; water fresh, not utilised.

Leswalt (Vindex Resumption)—

1. Known as Homestead—Originally 300 ft. deep; no boring records; bore lined with 6-in. casing. Inspected 8/9/15; W.L. at 88 ft.; supply, 19,000 g. p. d.; water very brackish.

2. Known as Scott's Creek—No boring records; a shaft sunk to (?) 260 ft.; bore lined with 260 ft. of 6-in. casing. Inspected 7/9/15; W.L. at 158 ft.; supply, 7,000 g. p. d.; water slightly brackish.

3. Known as Oondooroo—No boring records; bore lined with 6-in. casing. Inspected 8/9/15; W.L. at 89 ft.; supply, 4,000 g. p. d.; water brackish.

4. Known as Dry Paddock—No boring records; bore lined with 6-in. casing. Inspected 8/9/15; W.L. at 142 ft.; supply, 7,000 g. p. d.; water brackish; not yet utilised.

Dawson (Vindex Resumption)—Nos. 1, 2, and 3 lined with 6-in. casing; water in No. 1 bore suitable for domestic use; in Nos. 2 and 3 suitable for stock.

480. Warbreccan Lease—First part of bore to 1,620 ft. sunk by Chalmers; no records available; water barely drinkable, but stock soon take to it; bubbles of firedamp and drops of brown petroleum perceptible. Inspected 7/8/99; flow, 43,360 g. p. d.; static head, 10 ft. to 15 ft.; temp., 183.5° F.; see also Analysis No. 300.

481. Warena Lease—

1. Water at 114 ft. rose to within 32 ft., at 197 ft. to 28 ft., at 398 ft. to 26 ft., and at 410 ft. to within 18 ft.; supply over 50,000 g. p. d.; bottom in limestone; lined with 211 ft. of 6-in. casing. Inspected 29/3/96; W.L. at 79 ft. below surface.

2. Flow at 147 ft., 159 ft., and at 165 ft.; total, 70,700 g. p. d.; temp., 84° F.; bottom on limestone; lined with 145 ft. of 8-in. casing and 100 ft. of 6-in. casing

- seated at 165 ft. Inspected 7/4/96; flow, 49,000 g. p. d.; static head, 23 ft. to 32 ft.; temp., 85° F. Reported in November, 1912, that present owners consider this bore as lost or abandoned.
3. Original flow 19,160 g. p. d. at 65 ft.; bottom in soft limestone; lined with 117 ft. of 6-in. casing. Inspected 14/4/96; flow, 4,220 g. p. d.; static head, 2 ft. to 5 ft.; temp., 82° F. Reinspected 12/11/13; flow, about 50 g. p. d.
 4. Small flow at 85 ft. and 228 ft., increase at 428 ft., and main flow at 500 ft., total estimated flow, 140,000 g. p. d.; bottom in limestone; lined with 432 ft. of 6-in. casing. Inspected 28/4/96; flow, 118,900 g. p. d.; static head, 30 ft. to 59 ft.; temp., 93° F. Reinspected 21/11/13; flow, 65,800 g. p. d., and computed maximum head about 48 ft.; temp., 92° F. Good drinking water.
 5. Flow at 560 ft. to 714 ft.; total, 733,600 g. p. d.; bottom on limestone; lined with 573 ft. of 6-in. casing. Inspected 30/4/96; flow, 495,000 g. p. d.; static head, 55 ft. to 75 ft.; temp., 102.5° F. Reinspected 24/11/13; flow, 266,120 g. p. d.; static head, 37 ft. to 46 ft.; temp., 102° F. Good drinking water.
 6. Water at 178 ft. rose to within 20 ft.; flow, 490 ft. to 559 ft.; total, 16.25 in. over 6-in. casing or about 810,000 g. p. d.; bottom on hard formation; lined with 487 ft. of 6-in. casing. Inspected 2/5/96; flow, 687,800 g. p. d.; static head, 37 ft. to 96 ft.; temp., 101.5° F. Reinspected 26/11/13; flow, 403,820 g. p. d.; static head, 43 ft. to 60 ft.; temp., 100.5° F. Good drinking water.
 7. Flow at 733 ft. to 743 ft. and at 777 ft. in sand drift; total estimated flow, 420,000 g. p. d.; said that 80 ft. of debris were left in bore; lined with 733 ft. of 6-in. casing. Inspected 5/5/96; flow, 327,000 g. p. d.; static head, 46 ft. to 85.4 ft.; temp., 110° F. Reinspected 27/11/13; flow, 200,320 g. p. d.; static head, 32 ft. to 51 ft.; temp., 109.5° F. Good drinking water. Reinspected 12/2/14; flow, 213,050 g. p. d.
 8. Water at 98 ft. rose to 53 ft. below surface; no other water met with; bottom in limestone; lined with 96 ft. of 8-in. casing. Inspected 2/4/96; W.L. 54 ft. below surface; a shaft sunk to 64 ft.; top of casing 59 ft. below surface.
 9. Some salt water at 50 ft.; flow at 131 ft., 152 ft., and at 178 ft.; total estimated at 13,000 g. p. d.; bottom in limestone; lined with 88 ft. of 6-in. casing. Inspected 31/3/96; flow, 6,000 g. p. d.; static head, 7 ft.; temp., 83.5° F. Ceased to flow in October, 1913. Reinspected 14/11/13; static head, about 1 ft. Good drinking water.
 10. Small flow at 235 ft., increase at 446 ft., and main flow at 489 ft.; total, 185,000 g. p. d.; temp., 93° F.; bottom in grey granite; lined with 425 ft. of 6-in. casing. Inspected 26/5/96; flow, 111,600 g. p. d.; static head, 21 ft. to 42 ft.; temp., 95° F.
 - 11A. Water at 115 ft. rose to 16 ft.; bottom in limestone; casing drawn; abandoned.
 - 11B. Water at 35 ft. and 51 ft. rose to near surface; bottom in limestone; lined with 60 ft. of 6-in. casing. Inspected 14/4/96; W.L. 5 ft. below surface.
 12. Salt water at 24 ft., and fresh water at 49 ft.; 36 ft. of 6-in. casing left in bore; W.L. about 10 ft. below surface; bottom in limestone.
 13. A little water at 260 ft.; flow at 510 ft. to 590 ft. (in sandstone); estimated at 324,000-g. p. d.; lined with 365 ft. of 6-in. casing. Inspected 25/5/96; flow, 139,500 g. p. d.; static head, 10.3 ft. to 17 ft.; temp., 101° F. Reported that the bore ceased to flow in May, 1913, and that the W.L. is gradually falling.
 14. Water at 395 ft. rose to 220 ft., and at 400 ft. to within 65 ft.; flow at 429 ft., estimated at 172,000 g. p. d.; bottom on granite; lined with 395 ft. of 6-in. casing. Inspected 22/5/96; flow, 111,600 g. p. d.; static head, 25 ft. to 51 ft.; temp., 94° F. Reported in November, 1913, to have a small flow.
 15. Flow at 360 ft. (from 31 ft. of white sand); estimated at 144,000 g. p. d.; bottom on granite; lined with 329 ft. of 6-in. casing. Inspected 21/5/96; flow, 100,000 g. p. d.; static head, 7 ft. to 35 ft.; temp., 90° F. Reported in November, 1913, to have a small flow.
 16. Flow at 135 ft. to 170 ft., stated to have been 39,270 g. p. d.; bottom in limestone; lined with 133 ft. of 6-in. casing. Inspected 25/5/96; flow, 23,000 g. p. d.; static head, 9 ft. to 13 ft.; temp., 83° F. Reported in November, 1913, to have yet a small flow.
 - 17A. Water at about 90 ft.; supply insufficient; abandoned.
 - 17B. Water at 111 ft. to 173 ft. rose to near surface; bottom in limestone; lined to 110 ft. with 6-in. casing. Inspected 8/4/96; W.L. 14 ft. below surface. Reinspected 14/11/13; W.L. 22 ft. below surface; measured depth, 48 ft.
 18. Salt water at 20 ft.; fresh water at 132 ft.; rose to surface and increased to 18,000 g. p. d. at 187 ft.; bottom in limestone; lined with 130 ft. of 6-in. casing. Inspected 31/3/96; flow, 14,700 g. p. d.; static head, 4.6 ft. to 14 ft. Bore evidently deepened from 192 ft. to 410 ft. Reinspected 17/11/13; flow, 65,800 g. p. d.; maximum head about 18.5 ft.; temp., 89° F. Good drinking water.
 19. Flow at 685 ft. to 780 ft. estimated at 777,600 g. p. d.; bottom on drift sand; lined with 225 ft. of 8-in. and 700 ft. of 5-in. casing; a month after completion the casing slipped down out of sight, and the water issued some yards away from the bore. Inspected 6/5/96; flow, 423,950 g. p. d.; temp., 111.5° F. Reported in November, 1913, that the flow is gradually decreasing.
 20. Original flow about 10,000 g. p. d.; reported in November, 1913, that the present owners know nothing of the existence of this bore.
 21. No boring records; original estimated flow, 25,000 g. p. d.; bottom in sand; lined with 280 ft. of 5-in. casing. Inspected 15/11/13; flow, 815 g. p. d.; head about 1 ft.; temp., 75° F.; good drinking water.
 22. Original estimated flow, 24,000 g. p. d.; lined with 310 ft. of 6-in. casing. Inspected 15/11/13; flow, 5,000 g. p. d.; head about 5 ft.; temp., 83° F.; measured depth, 188 ft.; good drinking water.
 23. Original estimated flow, 400,000 g. p. d.; temp., 110° F.
 24. Original estimated flow, 336,000 g. p. d.; bottom in sandstone; lined with some 6-in. and 875 ft. of 5-in. casing. Inspected 22/11/13; flow, 161,400 g. p. d.; static head, 29 ft. to 42 ft.; temp., 112° F.; good drinking water.
 - 25, 26, and 27. Good pumping supplies; water good but hard; no other data obtained.
 28. Abandoned on rock; dry.
 29. Abandoned; dry.
 - 30A. Abandoned in quicksand.
 - 30B. Bottom on sandstone; lined with 180 ft. of 5-in. casing. Inspected 18/11/13; flow, 12,000 g. p. d.; temp., 83° F.; good drinking water.
 31. Had originally a small flow, and is of shallow depth.
 32. Lined with 54 ft. of 10-in. casing. Inspected 12/11/13; W.L., 26 ft. below surface; water somewhat brackish, but good stock water.
 33. A sub-artesian bore.
 34. Water at 95 ft., and at 186 ft. it rose to within 10 ft.; flow at 380 ft. to 430 ft. = 1½ in. over casing, or about 180,000 g. p. d.; bottom on rock; lined with 18 ft. of 10-in., 54 ft. of 8-in., and 430 ft. of 6-in. casing; see Lic. 78.
 35. Some very salt water at 65 ft.; flow at 201 ft. estimated at 45,000 g. p. d.; bottom in pipeclay; lined with 34 ft. of 8-in. and 253 ft. of 6-in. casing.
 - 36A. Tools lost in bore; abandoned.
 - 36B. Sunk close to 36A; salt water at 78 ft.; flow of about 22,000 g. p. d. at 267 ft. to 316 ft.; bottom in limestone; lined with 36 ft. of 8-in., 61 ft. of 6-in., and 273 ft. of 5-in. casing.
 37. Flow of 500 g. p. d. at 24 ft., and about 75,000 g. p. d. at 60 ft.; bottom in 60 ft. of limestone; lined with 40 ft. of 10-in., and 52 ft. of 6-in. casing. Inspected 8/11/13; flow, 11,600 g. p. d.; temp., 72° F.; good drinking water; some H₂S gas emitted.
 38. Water-bearing gravel and sand at 146 ft.; bottom in limestone; lined with 34 ft. of 6-in. and 160 ft. of 5-in. casing.
 39. Some water of good quality at 115 ft.; sand and gravel at 165 ft.; bottom on limestone.
 40. Salt water at 115 ft., good water at 250 ft. in sandstone; bottom on limestone; lined with 222 ft. of 6-in. casing.
 41. Water rose to 80 ft. below surface; estimated supply, 8,000 g. p. d.
 42. Estimated pumping supply, 10,000 g. p. d.; lined with 195 ft. of 6-in. casing; water as yet not used.
 43. Sunk 50 yards distant of No. 42 bore; estimated pumping supply, 20,000 g. p. d.; W.L. at 75 ft.; lined with 195 ft. of 6-in. casing.
 44. Estimated pumping supply, 20,000 g. p. d.; W.L. at 50 ft.
 45. Estimated pumping supply, 40,000 g. p. d.; W.L. at 20 ft.; lined with 118 ft. of 6-in. casing.
 46. Estimated pumping supply, 40,000 g. p. d.; W.L. at 20 ft.; lined with 145 ft. of 6-in. casing.
 47. Unlimited pumping supply; lined with 125 ft. of 6-in. casing.
 48. Unlimited pumping supply; W.L. at about 45 ft.; lined with 106 ft. of 6-in. casing.
 49. Unlimited pumping supply; W.L. at about 65 ft.; lined with 131 ft. of 6-in. casing.
 50. Unlimited pumping supply; W.L. at 95 ft.; lined with 140 ft. of 6-in. casing.
 51. Estimated pumping supply, 36,000 g. p. d.; W.L. at 47 ft.; lined with 118 ft. of 6-in. casing.
 52. Flow at 650 ft. to 673 ft. about ½ in. over casing, or about 75,000 g. p. d.; lined with 10 ft. of 10 in., 30 ft. of 8-in., and 650 ft. of 6-in. casing.
 53. No boring records; lined with 180 ft. of 6-in. casing. Inspected 17/11/13; flow, 830 g. p. d.; static head about 4 ft.; temp., 75° F.; good drinking water.
 54. In progress 27/10/13.
 55. A well; no data.

56. A well. Inspected 12/11/13; W.L., 2 ft. below surface; water artesian.
57. A well similar to No. 56. Inspected 12/11/13; windmill not yet erected.
58. A well. Inspected 7/11/13; W.L., 5.5 ft. below surface; water artesian.
59. A well sunk close to No. 37 bore. Inspected 7/11/13; flow, 140 g. p. d.; temp., 72° F.; water contains H₂S gas.
- 60 and 61. No water; abandoned.
62. Water at 122 ft. and 195 ft.; lined with 6-in. casing.
63. Water at 110 ft. and 225 ft.; lined with 6-in. casing.
64. Water at 120 ft.; lined with 6-in. casing.
65. Water at 56 ft. to 70 ft.; lined with 6-in. casing.
66. Water at 60 ft.; lined with 6-in. casing.
67. Water at 52 ft. to 97 ft.; lined with 6-in. casing.
68. No sub-artesian supply; flow at 602 ft. and 644 ft. about 196,000 g. p. d.; bottom in 30 ft. of slate; lined with 36 ft. of 10-in. and 645 ft. of 6-in. casing; *see* Lic. 229.
- 482.** Canning Downs No. 3—First water met with at 50 ft. Glengallan—Numbers of successful shallow bores.
- 483.** Weelamurra Lease—
1. A shaft to 225 ft., and a bore to 280 ft.
 2. Inspected 15/2/96; depth, 1,589 ft.; flow, 160,000 g. p. d.; static head over 234 ft.; temp., 104° F.; bore deepened to 1,800 ft. in 1897; estimated flow then 1,750,000 g. p. d. Reinspected 4/6/13; flow, 745,240 g. p. d.; static head, 216 ft. to 260 ft.; temp., 117° F.; static pressure from dynamic curve.
 3. Original flow 67 in. over 6-in. casing. Inspected 23/5/13; flow, 1,602,900 g. p. d.; static head, 254 ft. to 273 ft.; temp., 120° F.; a flow of 193,000 g. p. d. between 8-in. and 10-in. casing; stated that this flow comes from a depth of 1,200 ft.; it was unaffected during static test lasting one hour.
- Corio—Original flow 12½ ft. over 6-in. casing. Inspected 30/5/13; flow, 1,466,900 g. p. d.; static head, 111 ft. to 256 ft. (calculated); temp., 115° F.; leak of 60,000 g. p. d. outside 6-in. casing, which increased to 90,000 g. p. d. under partial closure; serious external corrosion of bore casing; outlet 5 ft. above ground. Reinspected 27/10/14; flow, 1,410,000 g. p. d.; no static test.
- 484.** Wellcamp—A seam of coal 11 ft. thick was pierced 60 ft. below surface; data from newspaper report.
- 485.** Wellshot—
1. Original temp., 176° F.; for strata, etc., *see* bore section No. 245; flow by owner on 2/11/95=216,000 g. p. d.; 20/11/96 and 16/1/97=192,000 g. p. d.; 14/3/97=185,000 g. p. d.; 9/97 and 3/98=181,000 g. p. d.; 16/99=171,700 g. p. d. (flush). Inspected 5/9/99; flow, 149,500 g. p. d.; static head, 47 ft. to 80 ft.; temp., 171° F.; flow accompanied by much free and dissolved gas. Reinspected 15/9/16; flow, 78,300 g. p. d.; temp., 171° F.; water very good.
 2. For strata, etc., *see* bore section No. 246; flow by owner on 15/8/94=576,000 g. p. d.; 20/11/96=379,800 g. p. d.; 16/1/97(?) 406,600 g. p. d. (probably a flush); 3/97 and 9/97=375,600 g. p. d.; 3/98=363,800 g. p. d.; 6/99=346,600 g. p. d. Inspected 11/9/99; flow, 354,400 g. p. d.; static head, 51 ft. to 68 ft.; temp., 151° F.; the separation of dissolved gas made the pool milky round the bore head; some dark-red deposit of iron oxide was noticed a few yards down the stream; ceased to flow, 1/7/14: Reinspected 2/9/16; W.L., 6 ft. below surface; water very good.
 3. For strata, etc., *see* inspector's report, Vol. VI., p. 84. Flow by owner on 17/6/95=426,000 g. p. d.; 20/11/95=384,000 g. p. d.; 16/1/97=367,700 g. p. d.; 3/97=342,200 g. p. d.; 9/97 and 3/98=335,500 g. p. d.; 6/99=363,000 g. p. d. Inspected 6/9/99; flow, 345,200 g. p. d.; static head, 97 ft. to 135 ft.; temp., 169° F.; flow accompanied by free and dissolved gas; sides of drain coated by a stoney deposit. Reinspected 31/8/16; flow, 204,750 g. p. d.; temp., 170° F.; water very good.
 4. No boring records; bore lined with 2,475 ft. of 5-in. casing; original flow by owner 454,400 g. p. d.; flow diminished gradually. Inspected 12/9/16; flow, 251,300 g. p. d.; temp., 172° F.; casing nearly corroded away at surface; water very good.
 5. First flow at 2,150 ft., increased to about 300,000 g. p. d. at 2,340 ft.; not stated if any additional supply below this; flow on completion, 367,000 g. p. d.; lined with 2,802 ft. of 6-in. casing; bottom in very hard rock. Inspected 4/9/16; flow, 176,400 g. p. d.; temp., 157° F.; water very good.
 6. Water struck at 2,590 ft.; lined with 6-in. and 5-in. casing; flow on completion, 243,000 g. p. d. Inspected 16/9/16; flow, 196,900 g. p. d.; temp., 179° F.; water very good.
 7. Met with brackish water at 270 ft., fresh water at 2,050 ft., rose to 100 ft., and at 2,260 ft. to 52 ft.; more water at 2,710 ft. and 3,150 ft.; no data of W.L.; bottom in 20 ft. of quartzite; bore lined with 513 ft. of 8-in., 2,730 ft. of 6-in., and 3,485 ft. 5-in. casing; *see* Lic. 113. Inspected 2/9/16; W.L. 17 ft. below surface; a shaft sunk to below W.L.; water very good.
- Oakhampton or Lyndon No. 1—First water at 2,500 ft., second at 3,100 ft., and a small supply at 3,650 ft.; lined with 24 ft. of 6-in., and 2,815 ft. of 5-in. casing. Inspected 5/9/16; flow, 92,000 g. p. d.; temp., 167° F.; Water very good.
- 486.** Werie-Ella or Bundilla—
1. Former reputed flow, 150,000 g. p. d. Inspected 11/11/13; flow, 19,200 g. p. d.; estimated static head, 36 ft.; temp., 125.5° F.; large leak between 5-in. and 10-in. casing and outside casing; pressure not taken; quality of water fair.
 2. Original reputed flow, 2,100,000 g. p. d. Inspected 13/12/13; flow, 1,278,500 g. p. d.; maximum static head, 340 ft.; temp., 153° F.; for strata, etc., *see* bore section No. 289 and Notice No. 7; water good.
- 487.** Westland—
1. Original flow, 69,000 g. p. d.; for boring records *see* Vol. VI., pp. 48 to 54. Stated that diminution of flow was first noticed in 1897, and from the beginning of 1898 for one and a-half years there were great pulsations in the evolution of firedamp, at intervals of a few seconds, which has now nearly disappeared; temperature stated to have been 6° F. higher; flow in May, 1897=19,200 g. p. d. Inspected 16/8/99; flow, 15,200 g. p. d.; static head, 80 ft. to 138 ft.; temp., 156° F.; a large leakage of gas with a small quantity of water outside the casing; reported flow in 1907, about 10,000 g. p. d.
 2. Former yield, 90,000 g. p. d.; for boring records *see* Vol. VI., pp. 55 to 60. Stated that in May, 1897, the flow had fallen off to 30,000 g. p. d., but increased somewhat again during the winters of 1897 and 1898. Inspected 19/8/99; flow, 37,600 g. p. d.; static head, 97 ft. to 196 ft.; temp., 176.5° F.; bore yielding about 40 cu. ft. of inflammable gas per hour; reported flow in 1907=20,000 g. p. d.
- 488.** Whitula—
1. Soak at 225 ft.; drift sand from 316 ft. to 424 ft.; sand and water rising to 90 ft.; at 1,520 ft. W.L. stood at 80 ft. below surface.
 2. Water a little brackish; abandoned.
- 489.** Whyenbah—No boring records to hand; original estimated flow, 1,330,000 g. p. d.
- Bullindgie—Salt water at 175 ft., 285 ft., and 673 ft.; fresh water at 1,430 ft. rose to 50 ft. below surface; artesian flows between 1,430 ft. and 3,052 ft.; total estimated flow, 1,420,000 g. p. d.; lined with 219 ft. of 10-in., 639 ft. of 8-in., and 3,057 ft. of 6-in. casing; bottom in fine sand and large water-worn boulders; *see* Lic. 256.
- 490.** Widgegoara—
1. Original W.L., 30 ft. to 35 ft.; met with sand drift; sunk by diamond drill.
 2. Original W.L., 30 ft. to 35 ft.; met with sand drift; head of diamond drill lost in bore; Tangey engine and pump installed.
- Bores Nos. 1 and 2 claimed to be the first bores sunk for water in Queensland.
- 491.** Winton North District—Data in table from newspaper reports.
- 492.** Wondoolah Lease—Flow and only supply at 1,390 ft.; bottom said to be on bedrock; lined with 6-in. casing; original flow (by driller) 37,700 g. p. d. Inspected 29/7/16; flow, 40,000 g. p. d.; approximate static head, 100 ft.; temp., about 135° F.; fair drinking water.
- 492a.** Tenterfield Park Selection, Wongalee Resumption—
1. No data.
 2. Water at 108 ft. and at 220 ft. to bottom; W.L., on completion, 108 ft. below surface.
- 493.** Woolerina Lease—
1. Original flow 5 ft. over 6-in. casing; salt water at 300 ft.; first flow at 2,000 ft. in sandstone; lined with 6-in. casing to 2,000 ft. Inspected 12/6/96; flow, 1,240,000 g. p. d.; temp., 129½° F. Reinspected 11/9/12; flow, 1,133,100 g. p. d.; temp., 130° F.; outlet 6 ft. 3 in. above surface; borehead and 6-in. casing badly corroded above W.L.; flow throttled by plug valve to a back pressure of 13 lb. per sq. in. Stated that about three years ago an attempt was made to regulate the flow, but the water came up outside the casing after two days.
 2. Brackish water at 300 ft.; flows at 2,000 ft., 2,450 ft., and near bottom; bore lined to 2,500 ft. with 6-in. casing. Inspected 17/6/96; flow, 1,550,000 g. p. d.; temp., 138° F. Reinspected 16/9/12; flow, 1,335,000 g. p. d.; temp., 139° F.; outlet, 9½ ft. above surface; unsuccessful pressure test; pressure very high.
- 494.** Yandilla—
1. A well 6 ft. square; stated that a pulsometer pump going day and night for three months during the great drought of 1902 did not affect supply; water used to irrigate about 120 acres of land; water did not rise in well when struck; subterranean current perceptible.
- Other wells—Large pumping supplies; no data to hand.

495. Yarmouth Lease, Henderson's—

Soakage at 550 ft.; flow at 703 ft.=10,000 g. p. d., at 1,417 ft.=500,000 g. p. d.; main flow below 1,633 ft.; bore lined with some 8-in. and 1,633 ft. of 6-in. casing. Inspected 16/4/96; flow, 2,333,000 g. p. d.; pressure not taken. Reinspected 27/2/11; flow, 1,358,100 g. p. d.; static head, 240 ft. to 258 ft.; temp., 118.5° F.; flow of 53,000 g. p. d. issuing between 8-in. and 6-in. casings, but was not affected by pressure-test of eighty minutes duration; 6-in. casing corroded above clamps and covered by fungus. Several date palms are flourishing alongside bore drains. Reinspected 9/6/14; flow, 1,264,700 g. p. d.; static head not taken; temp., 119° F.

Wells 2 and 2a only 9 ft. 6 in. apart.

Cobbrum, Yarmouth Resumption—Original flow 87 in. over 6-in. casing. Inspected 2/3/11; flow, 1,502,000 g. p. d.; static head, 213 ft. to 225 ft.; temp., 116.5° F.; bore head badly corroded, and covered by fungus; small leakage outside the 6-in. casing, which visibly increased to 42,000 g. p. d., during the static pressure test, lasting forty minutes; outlet 3.3 ft. above surface. Reinspected 10/6/14; flow, 1,390,000 g. p. d.; static head not taken; temp., 115° F.; outside leak still present; valve practically full opened.

Woodlands or O'Connor's—Original flow 50 in. over 6-in. casing; estimated at 1,600,000 g. p. d.; for strata, etc., see bore section 311 and Lic. 45. Inspected 17/2/14; measurement unreliable; casing defective on top; temp., 116° F.; flow restricted to about one-half of its total yield. Reinspected 18/8/14; flow, 1,250,800 g. p. d.; temp., 116° F.; approximate static head (from flow curve), 190 ft. The flow between the 10-in. and 8-in. casing, also a small leak of about 20,000 g. p. d. outside the casings, measured 176,400 g. p. d. under a static head of 160 ft. and fell to 156,500 g. p. d. under a head of 10 ft. When visited the flow was still controlled to about one-half of its total yield. No gas noticeable in flow.

496. Yarawonga Resumption—

Ada—No boring records; W.L. in 1902 at about 150 ft.; bore lined with 6-in. casing; some tools lost at bottom in caving sandstone. Inspected 3/7/15; W.L. at 150 ft. Steam pump not working.

Raceview—Some salt water at 204 ft. rose to 150 ft.; good water at 1,117 ft. rose to within 120 ft.; flow at 1,213 ft. and at 1,241 ft., flowing 2 in. over 6-in. casing or about 185,000 g. p. d.; bottom in pipeclay; lined with 203 ft. of 10-in., 401 ft. of 8-in., and 1,302 ft. of 6-in. casing; see Lic. 166.

Bull Bros.—Small supply at 105 ft. (very salt), flow at 1,014 ft. to 1,040 ft., total flow about 2 in. over 6-in. casing or about 185,000 g. p. d.; bottom in cement stone; lined with 34 ft. of 8-in. and about 950 ft. of 6-in. casing; see Lic. 61.

497. Yarron Vale Lease—Original flow not known; bore partially lined with 5-in. casing. Inspected 15/5/97; flow, 79,860 g. p. d.; temp., 136° F.; water of inferior potability.
Nimboy—In progress; see Lic. 306.

498. Yarrumere Lease—

1. Salt water abandoned.
2. Water very salt; broken tool in bore; casing drawn; see Lic. 39.
3. Windmill to be erected.

499. Yorkshire Downs Selection—

1. Estimated flow at 1,190 ft., 240,000 g. p. d.; at 1,249 ft., =650,000 g. p. d.; at 1,291 ft.=930,000 g. p. d.; at 1,379 ft.=1,270,000 g. p. d.; and at 1,405 ft., 1,295,000 g. p. d., or 34 in. over 6-in. casing
2. Original flow, 9,000 g. p. d.
3. Original flow, 9,000 g. p. d.

500. Yowah Lease—

Opal Mines—Original estimated flow, 900,000 g. p. d. Inspected 28/8/13; flow, 637,200 g. p. d.; static head, 220 ft. to 255 ft.; temp., 129° F.; leak of about 10,000 g. p. d. outside casing, which increased after twenty minutes closure, but went back to normal again after reopening valve. Maximum static head estimated. Bore evidently not sunk to lower water bed.

Merimo—A hand bore near a mud spring. Inspected 5/9/13; flow, 810 g. p. d.

TABLE OR REFERENCE INDEX OF BORING CONTRACTORS (INCLUDING BORES SUNK BY DAY LABOUR).

(See Bore Table, Column 16.)

Reference No.	Name.	Reference No.	Name.	Reference No.	Name.
1.	Ricardo and Woodley.	66.	Wm. Courtney.	133.	John Harris.
2.	W. Woodley.	67.	M. J. Lawlor.	134.	A. E. Wheelhouse.
3.	J. L. Woodley.	68.	J. Watson.	135.	W. H. Simpson.
4.	W. Woodley and Co.	69.	W. Moulder.	136.	— Jeffries.
5.	Woodley Limited.	70.	J. Anning.	137.	W. Brown.
6.	Bores sunk by Day Labour.	71.	H. Smythe.	138.	Hunter and Wettenhall.
7.	J. S. Loughhead.	72.	E. S. Brown.	139.	Hudson and Wemyss.
8.	Jesser and Haig.	73.	Hughenden W. B. Company.	140.	Murtagh and Pirie.
9.	Little and Beauchamp.	74.	H. Warren.	141.	G. McMaster.
10.	G. R. M. Beauchamp.	75.	J. V. Kirby.	142.	R. Micklethwaite.
11.	Intercolonial Deep Well Boring Company.	76.	Henry White.	143.	Winton Boring Company.
12.	Boggs and Potter.	77.	James Howard.	144.	McMaster Brothers.
13.	W. Fleming and Co.	78.	Edkins, Campbell, and Co.	145.	R. G. Niall.
14.	Queensland Boring Company.	79.	Nelder Brothers.	146.	Brand and Peterson.
15.	Brown and Buick.	80.	H. Anning.	147.	J. Emblem.
16.	Brown and Sparham.	81.	Petroleum Boring Company.	148.	Knappdale Boring Company.
17.	Brown and McKenzie.	82.	J. P. Martin and Co., N.S.W.	149.	J. Murtagh.
18.	Carter and Mackenzie.	83.	R. Tichborne.	150.	Emblem and Bode.
19.	Mackenzie and Co.	84.	V. Vance.	151.	Spenceley and Sainsbury and Spencely.
20.	James Brown.	85.	Tichborne Brothers.	152.	F. G. Boggs.
21.	Alexander Brown.	86.	T. Wall.	153.	Ryan and Keats.
22.	Brown and Burns.	87.	Goldfields Diamond Drilling Co.	154.	Royle Brothers.
23.	Robert Burns.	88.	H. N. Campbell.	155.	G. Free.
24.	Federal Boring Company.	89.	J. Morrison.	156.	H. B. Lipke.
25.	James Tolson.	90.	— Sparham.	157.	C. Glasson.
26.	Henderson and Hopkins.	91.	T. S. Townshend.	158.	J. H. Nicholls.
27.	J. S. Henderson.	92.	C. H. Chapman.	159.	Cotswold Well Boring Co.
28.	North Queensland Boring Co.	93.	Kerwin and Kroll.	160.	E. J. Rye.
29.	George Fair.	94.	S. Hudson.	161.	Overall and McCray.
30.	Fair Brothers.	95.	C. A. Peters.	162.	Howard and Hancorn.
31.	J. Vance.	96.	H. James.	163.	M. Hayden.
32.	A. L. Simmons.	97.	T. Kirby.	164.	The Desert Well Boring Co.
33.	A. J. Simmons.	98.	J. Hannay.	165.	Hoskin, Winten, and McKenna.
34.	W. C. Houston.	99.	W. Rownsfeldt.	166.	D. W. Price and Co.
35.	Keith and Tichborne.	100.	T. O. Lewis.	167.	Vance and Rodgers.
36.	— Keith.	101.	W. C. Ferguson.	168.	J. J. and W. Hannay.
37.	J. Tichborne.	102.	Willis and Wettenhall.	169.	W. J. Blackwell.
38.	Knox and England.	103.	A. G. James.	170.	F. C. Beauchamp.
39.	J. T. Chalmers.	104.	H. Tingle.	171.	D. C. Loxton.
40.	Chalmers and McCann.	105.	A. Creed.	172.	F. Douglas.
41.	Hannay Brothers.	106.	Bromhall and Company.	173.	D. McInnes.
42.	Alfred J. V. Hannay.	107.	Pether and Company.	174.	H. Johnstone.
43.	Thomas and Co.	108.	Smith and Company.	175.	G. Jukes and Sons.
44.	Thomas and Harris.	109.	Evan Chellingworth.	176.	England and Newton.
45.	Watson and Clohesy.	110.	Brown and Company.	177.	Reis Brothers.
46.	R. Dare.	111.	Brodie and England.	178.	R. Cox.
47.	E. Hamilton.	112.	W. J. Law.	179.	D. Cameron.
48.	J. H. Hoddinott.	113.	John Brown.	180.	E. Bebbington.
49.	W. Smith.	114.	Hudson and Bode.	181.	D. Monize.
50.	J. Kahl.	115.	Russell Brown.	182.	Griffith and Page.
51.	Barcoo Boring Company.	116.	W. Moulder.	183.	A. Cameron.
52.	D. Macmillan.	117.	Daly and Ennis.	184.	C. C. Martin.
53.	— Cox.	118.	T. Bromhall.	185.	M. J. McLeod.
54.	G. McCormack.	119.	H. Leitch.	186.	A. W. Dean.
55.	Wallis, Milton, and Co.	120.	H. Muller.	187.	A. E. Callow.
56.	Cunnamulla Deep Well Boring Company.	121.	L. Bode Brothers.	188.	G. Coxon.
57.	Federal Well Boring Company.	122.	M. J. Pirie.	189.	— Beck.
58.	Joseph Porter.	123.	B. Wemyss.	190.	C. M. Foggitt.
59.	Blicharski Bros.	124.	W. W. Sainsbury.	191.	Booker and Kirnan.
60.	John Magoffin.	125.	E. Carter.	192.	H. Clews.
61.	J. T. Connell.	126.	T. J. Hannay.	193.	A. F. Sparham.
62.	T. J. Cooney.	127.	F. Allenby.	194.	J. Obrion.
63.	W. Hannay.	128.	F. Kirwan.	195.	Baumgarten and Sons.
64.	Fredk. England.	129.	A. V. McCauley.	196.	— Cooper.
65.	T. Bromhall.	130.	G. Oliver.	197.	Porcupine Creek Boring Co.
		131.	J. McCabe.		
		132.	S. Walsh.		

TABLE OR REFERENCE INDEX OF HEAD DRILLERS.

(See Bore Table, Column 17.)

Reference No.	Name.	Reference No.	Name.	Reference No.	Name.
1.	— Carter.	100.	H. Kahl.	198.	A. E. Wheelhouse.
2.	— Arnold.	101.	W. Blackwell.	199.	Willis and Wettenhall.
3.	D. C. Stevenson.	102.	Martin and R. Sainsbury.	200.	H. Spenceley.
4.	G. Stevens.	103.	— Williamson.	201.	W. A. Brebner.
5.	— Joyce.	104.	Crawford and McCray.	202.	Wm. Wex.
6.	John Bowden.	105.	K. McGill.	203.	F. G. Beggs.
7.	— McConochie, Crawford.	106.	— Cameron.	204.	E. C. Horn.
8.	C. Houston.	107.	R. Thorburn.	205.	J. Friend.
9.	W. C. Ferguson.	108.	J. Preddy.	206.	Ryan and Keats.
10.	— Richards.	109.	Russell Brown.	207.	T. H. Belpitt.
11.	T. F. Greelish.	110.	V. Vance.	208.	G. E. Fletcher.
12.	W. J. Hunchinson.	111.	Wilson Rogers.	209.	J. Stevenson.
13.	C. Grant.	112.	A. G. Blyth.	210.	J. H. Hoddinott.
14.	J. Vance.	113.	T. Wall.	211.	E. Buckberry.
15.	Christie Hansen.	114.	Lew Bromhall.	212.	— Clatworthy.
16.	— Geddes.	115.	G. N. Bunn.	213.	H. B. Lipke.
17.	Robert Burns.	116.	J. Morrison.	214.	B. Maher.
18.	— Cox.	117.	H. Gordon.	215.	R. W. Peterson.
19.	George Allen.	118.	J. H. Wright.	216.	— Hack.
20.	J. Allan.	119.	— McCrae.	217.	— Barron.
21.	J. Allenby.	120.	Harrold and Cameron.	218.	C. Glasson.
22.	Ben Hayden.	121.	R. Allen Waters.	219.	John Hill.
23.	— Price.	122.	F. Kroll.	220.	A. Growder.
24.	Shannon.	123.	S. Hudson.	221.	W. J. Oldham.
25.	James Tichborne.	124.	T. Stephens.	222.	J. Elliott.
26.	John Tichborne.	125.	— Reid.	223.	R. D. Martin.
27.	— Ralston.	126.	W. Brushe.	224.	R. E. Clapham.
28.	A. J. Simmons.	127.	— Samson.	225.	R. Humphreys.
29.	D. Bell.	128.	— Williams.	226.	T. Sykea.
30.	— Knox.	129.	J. Hannay.	227.	E. J. Rye.
31.	Harry Miller.	130.	— Barkes.	228.	W. B. Solling.
32.	— Mackenzie.	131.	— McRae.	229.	A. E. Callow.
33.	Alexander Brown.	132.	R. L. Brock.	230.	W. Warbuton.
34.	James Brown.	133.	— Hawthorn.	231.	H. James.
35.	J. Brown.	134.	J. Brady.	232.	M. Hayden.
36.	— Taylor.	135.	E. T. Nelson.	233.	H. A. Adams.
37.	Hugh Macmillan.	136.	S. McNeill.	234.	John Hays.
38.	— Henchman.	137.	T. O. Lewis.	235.	E. Patterson.
39.	George Fair.	138.	— Hallam.	236.	E. L. Lincoln.
40.	Richard Fair.	139.	A. W. Dodge.	237.	W. L. Bice.
41.	A. F. Sparham.	140.	R. Pharr.	238.	L. McKenna.
42.	George Morrison.	141.	C. E. Jones.	239.	J. Howard.
43.	L. Keith.	142.	Fesler and Belpitt.	240.	A. S. Dawe.
44.	F. C. Beauchamp.	143.	Thomas Brown.	241.	M. Brennan.
45.	J. S. Loughhead.	144.	— Cahill.	242.	D. Macmillan.
46.	— Waddell.	145.	Thomas Shelswell.	243.	W. L. Blee.
47.	William Hannay.	146.	H. A. Leitch.	244.	E. Hill.
48.	A. Hannay.	147.	Patrick Clohesy.	245.	E. Turnbull.
49.	— McCahill.	148.	W. J. Low.	246.	F. E. O'Donnell.
50.	— Sheehan.	149.	W. C. Houston.	247.	F. Douglas.
51.	Albert Hill.	150.	Dave Beattie.	248.	D. McInnes.
52.	H. S. Laird.	151.	James Hayes.	249.	H. Johnstone.
53.	J. A. Barnes.	152.	A. McD. Shearer.	250.	P. Hill.
54.	J. Anderson.	153.	A. V. L. Bode.	251.	F. McDougall.
55.	W. Whelan.	154.	D. Roberts.	252.	F. England.
56.	P. K. Laner.	155.	M. Flynn.	253.	W. J. Juckes.
57.	Dan Davis.	156.	W. Cullough.	254.	A. Moore.
58.	John L. Woodley.	157.	W. Ennis.	255.	— White.
59.	Joe Porter.	158.	— Jack.	256.	D. C. Crombie.
60.	Con Flynn.	159.	— Booth.	257.	R. Royle.
61.	H. Harrison.	160.	Hollingsworth.	258.	A. Tomlinson.
62.	— McCraig.	161.	C. W. West.	259.	A. Maurice.
63.	J. T. Chalmers.	162.	G. Pirie.	260.	R. Cox.
64.	— Graham.	163.	D. Douglas.	261.	Ralph Duncumb.
65.	Charles Watson.	164.	G. Prentice.	262.	W. Blysdale.
66.	Jos. Watson.	165.	Oliver, Horner, and J. Tichborne.	263.	G. McCormack.
67.	James Davis.	166.	J. Murtagh.	264.	G. Hatch.
68.	C. H. Chapman.	167.	— Beldon.	265.	W. Moulder.
69.	S. V. Johnston.	168.	T. W. Vinson.	266.	G. Young.
70.	C. E. Sainsbury.	169.	J. Mathieson.	267.	— Moore.
71.	M. Geo. Meth.	170.	Robert Brown.	268.	Wm. Macmillan.
72.	S. G. Beauchamp.	171.	A. G. P. Creed.	269.	Walter Smith.
73.	G. R. Beauchamp.	172.	F. Kirwan.	270.	C. C. Martin.
74.	A. Munroe.	173.	D. J. Burke.	271.	A. W. Dean.
75.	— Merchant.	174.	A. Hunter.	272.	— Vaughan.
76.	J. Jennings.	175.	G. Oliver.	273.	W. J. Donnelly.
77.	R. Edwards.	176.	— Ruddle.	274.	M. J. Codd.
78.	J. Dwyer.	177.	J. McCabe.	275.	B. Johnstone.
79.	D. H. Holmes.	178.	— Hancorn.	276.	W. W. Stotts.
80.	J. T. Connell.	179.	— Medill.	277.	G. Coxon.
81.	M. W. Dalway.	180.	J. O'Brien.	278.	George Rynold.
82.	T. J. Cooney.	181.	— Hegg.	279.	Tom Sleeman.
83.	— Barker.	182.	S. Walsh.	280.	J. Haig.
84.	— Refs.	183.	John Harris.	281.	L. Fraser.
85.	C. E. Williamson.	184.	Fredk. Field.	282.	— Mulhern.
86.	Fredk. England.	185.	Blicharski Brothers.	283.	— Beck.
87.	— Blicharski.	186.	W. H. Simpson.	284.	— Owens.
88.	R. Mitchell.	187.	— Jeffries.	285.	M. Kearn.
89.	C. Bradford.	188.	James Wright.	286.	C. Kahl.
90.	T. Wicks.	189.	James Benson.	287.	— Booker.
91.	Houison and Hill.	190.	J. G. Crawford.	288.	M. Kiernan.
92.	C. Newton.	191.	R. Watson.	289.	J. Moore.
93.	W. Campbell.	192.	G. McMaster.	290.	— Kemsley.
94.	W. Watson.	193.	A. Blackshaw.	291.	E. T. Hamilton.
95.	T. Lindsay.	194.	George Gray.	292.	K. Burns.
96.	Peter P. Connell.	195.	M. L. Roberts.	293.	J. Nee.
97.	G. R. Foster.	196.	R. Micklethwait.	294.	— Cooper.
98.	Frank Rule.	197.	J. Emblem.	295.	L. R. Blackwell.
99.	— Murtagh.				

TABLE OF PERENNIAL SPRINGS.

The flows indicated do not include all the water, as many cannot even be estimated. The Springs marked ¶ have been visited by an Inspector prior to September, 1899, and those marked † subsequent to October, 1910. All the artesian springs from Spring Vale to Parthanga are near the western edge of the Braystone; those from Fort Bowen to Eureka mark the northern boundary; and those from Aberfoyle to Coreena are near the eastern outcrop. The Dalgona and Manfred Group indicate faults away from the edges of the artesian basin.

(See Alphabetical Reference Index, pages 154 to 163.)

Reference Number.	Name.	Locality.	Altitude above Mean Sea Level, in Feet.	Flow, Gallons per Day.	Temperature, Fahrenheit Degrees.	Remarks.
1	Elizabeth Spring and adjoining Springs ¶†	Springvale, Boullia ditto ..	about 510 ditto	100,870 508,370	100½ 83 to 92	Inspected March, 1896. These springs cover about 300 acres and run Spring Creek over 20 miles. Analysis No. 9. (See detail in the 1896 Report.) Re-inspected 6th April, 1914; flow of large spring = 100,000 gallons per diem, temp. 97° F., gas rising through little funnels in the quicksand. Latitude 23° 6' 0"; longitude 140° 49' 45"; soakage from adjacent hills. Fenced, drains, tank, and troughing.
2	Locharock Spring ..	Lucknow Lease ..	L 670	2,000	..	
3	Warra Warra .. ¶	Warena Lease ..	460	7,000	cool ..	Fenced, drains, tank, and troughing.
4	Little Tea Tree Spring ¶	ditto ..	450	small ..	ditto ..	9 acres fenced to exclude stock. ..
	Tea Tree Spring .. ¶	ditto ..	450	2,000	ditto ..	4 acres fenced; water runs into Horse Creek.
5	Reedy Spring .. ¶	ditto ..	440	20,000	ditto ..	½-acre fenced; water runs into the Hamilton River; large area of mud springs adjoining.
6	Bulla Bulla ..	ditto ..	445	trickles ..	..	Large area unimproved.
7	Mount Datson, South ditto ditto ditto ditto North ¶	ditto .. ditto .. ditto .. ditto .. ditto ..	455 455 475 485 502	4,260 16,470 20,000 1,000	94	See Analysis No. 2, "Box" Spring. From a drain quarter-mile long. Mud springs choke the drains. Near No. 18 bore.
8	Redhead Spring ..	ditto ..	502	small ..	..
9	Palparara Spring .. ¶	ditto ..	513	7,000	cool ..	This group extends 2 miles along the Hamilton River.
10	Donkey Spring .. ¶	ditto ..	540	large ..	ditto ..	Improved by wells and bores; other unnamed springs extend about 8 miles along Hamilton River.
11	Mommedah Spring ¶	ditto ..	543	ditto ..	ditto ..	
12	Parthanga ..	ditto ..	about 585	20,000 ..	..	Have supplied 4,000 cattle.
13	Bulrush Springs ..	Beaudesert Lease, Mackinlay	about 905	..	..	On the main divide at the head of Mackinlay River.
14	Blackeye Springs .. ¶†	ditto ..	825	3,200	cool ..	West side of Mackinlay River. Reinspected Feb., 1915, a soak in gravel and grit; stated to have been dry for some years. Unimproved, mud and water springs.
15	Leilavale ..	Block No. 3 ..	..	trickles ..	..
16	Alice Springs ..	Fort Constantine	423	..	..	Midway between bores Nos. 1 and 8.
17	Fort Bowen ..	..	about 260	large ..	..	Springs scattered over half a square mile south-east of Mount Fort Bowen.
18	Mount Brown Group—Washpool Creek Reedy Spring Upper Spring Lower Spring Crocodile Springs ¶	Millungera Lease ditto ditto ditto ditto ..	about 285 ..	5,000 50,000 ..	cool and warm some hot ..	Large area of tea-tree and springs. ditto. Flows 8 miles in winter; good water. Inferior water to the upper springs. Cover half-a mile; fill large waterhole.
19	Tharwan Spring ..	Savannah Downs	..	2,000	..	Fills a shallow sandy hole.
21	Tailing Yard Spring ..	ditto ..	..	..	..	Covers 1 acre.
22	Cooradine Spring ..	ditto ..	..	..	..	Fills a large waterhole.
23	Middle Spring ..	ditto ..	..	30,000	..	Water runs from mound into troughing.
24	(G) no name ..	ditto ..	..	10,000	..	Covers 150 acres; supplies 500 cattle.
25	The Plain Spring ..	ditto ..	..	100,000	about 110	Resembles the Elizabeth Springs; large mound covered with palms, &c.; flow of water into troughing.
26	Currajong Spring ..	ditto ..	..	50,000	about 100	ditto.
27	George's Spring ..	ditto ..	about 400 to 600	40,000	..	Flat spring; filling waterhole.
28	Wombat Spring ..	ditto ..	..	2,000	..	Covers 10 acres.
29	Pelham Spring ..	ditto ..	..	50,000	..	
30	Sandy Camp ..	ditto ..	..	..	..	Covers half a mile; many pools.
31	Dead Dog Spring ..	ditto ..	..	10,000	..	Two fenced springs; run the creek 1½ mile.
32	The Five Springs ..	ditto ..	..	5,000	..	Peaty mounds; drains lead to a pool.
33	Native Dog ..	ditto ..	..	2,000	..	Supply 200 cattle.
	Cockatoo ..	ditto ..	..	5,000	..	Both peat mounds and clay holes exist.
34	Snider Springs ..	ditto ..	..	..	..	Cover 100 acres; boggy and unimproved.
35	Black Cow ..	Woodstock	..	..	..
36	Majenta ..	ditto ..	..	..	..
37	Woodstock ..	ditto ..	about 700	..	..	Are an extensive series of springs similar to those of Savannah Downs. No particulars to hand.
38	Victoria ..	ditto ..	..	..	..
39	Kilgin Spring .. ¶	Saxby Downs ..	665	29,640	94 to 115	Large spring—emits both potable and corrosive water. (See detail description in the 1897 Report.)
40	Waddy, North ditto South .. ¶	ditto .. ditto ..	535 535	2,880 3,360	cool ..	Supply troughing.
41	Gorge ..	ditto ..	555	..	..	Extend nearly 1 mile; unimproved.

TABLE OF PERENNIAL SPRINGS—continued.

Reference Number.	Name.	Locality.	Altitude above Mean Sea Level, in Feet.	Flow, Gallons per Day.	Temperature, Fahrenheit Degrees.	Remarks.
42	Berinda	ditto	565	3,750	ditto ..	Two mounds, one drained and improved runs 3,750 galls. steadily into troughing.
43	Denham Plains	Saxby Downs				
44	Mill Mill	ditto .. ..	..	20,000	..	Like the Kilgin Spring.
45	Wombat	ditto .. ..	..	30,000	..	Fills troughing and runs into creek.
46	Eureka	Eureka Lease ..	..	60,000	..	Flows ½-mile in creek.
47	.. ..	Dalgonaally Lease	320 to 410	good ..	82 to 122	There are springs adjoining each bore site. (See table of bores.)
48	"The" Springs	Manfred Downs ..	420	ditto ..	81	Have been improved. Inspected November, 1896. Pumped by windmills into troughing. Analysis No. 62. Re-inspected November, 1914; water somewhat brackish and has an offensive odour; water not used for some considerable time.
49	Station Springs	ditto	438	ditto ..	87	Analysis 63
50	Boonooke and Ruthven	ditto	430	ditto ..	84	Analysis 69 } adjoin shallow bores.
51	Lara	ditto	355	ditto ..	86	Analysis 65 }
52	Devlin Spring	Redcliffe Lease ..	..	..	cool ..	Medium output.
53	Gardner's Spring	ditto	1,485	3,000	ditto ..	Fills a dam in rocky gully.
54	Middle Spring	ditto	1,485	about 2,000	ditto ..	
55	Old Overshot	ditto	1,470	..	ditto ..	Fills a dam on same level.
56	"Hut"	ditto	1,450	350	ditto ..	Fills a pool.
57	"Trough"	ditto .. ..	..	350	ditto ..	Supply troughing and dam.
58	Native	Lammermoor Lease	? 1,280	10,000		
59	Wingarra or Five-Mile	Uanda Lease ..	1,070	1,430	ditto ..	} Fills troughing by float valves.
60	Nine-Mile	ditto	1,015	1,430	ditto ..	
61	Caledonia	Caledonia Lease ..	980	2,000	ditto ..	Boxed well. Does not overflow, bailed.
62	Atherton	Aberfoyle Lease ..	880	9,260	85	Peat mound, drained into waterholes.
63	Dunbar Group	ditto	860	2,000	cool ..	Scattered smaller springs.
64	Aberfeldie Group	ditto	840	..	ditto ..	Boxed well and scattered springs.
65	Big Spring	Corinda Lease ..	..	..	..	On Block Mongoburra. Unimproved.
66	Thunderbolt Creek Group..	ditto .. ..	..	large ..	..	Springs occur at close intervals, feeding waterholes* for 15 to 20 miles.
67	Jericho, Five-Miles	ditto	830	18,300	80	Artesian springs. Fenced and improved.
68	Camp Spring	ditto	805	3,600	80	Peat mound, supplying boundary riders' camp and stock.
69	Jericho, Two-Miles	ditto .. ..	..	3,840	cool ..	Large peat mound. Drained.
70	Winter or One-Mile	ditto	785	..	..	200 by 400 yards. Unimproved.
71	Lagoon Spring	ditto .. ..	..	..	..	Lagoon, 150 by 20 yards. Kept full.
72	Thunderbolt	ditto	775	10,000	78	Drained to lagoon for stock.
73	Old Jericho Spring	ditto .. ..	..	10,000	..	Unimproved.
74	Poison Spring	ditto .. ..	..	..	..	on Block Rainsby. Surrounded by poison bush.
75	Marion Spring	Marion No. 2 ..	? 1,220	900	79	In desert sandstone.
76	McKenzie's	Bowen Downs ..	..	} Supply large number of sheep	..	Block Huffer South
77	Archer's	ditto .. ..	..		..	Block Taberno
78	Kennedy's	ditto .. ..	..		..	ditto
79	McDonald's	ditto .. ..	..		..	Block SpringDowns
80	Sandy Creek	Barcoorah Lease..	? 935	24,000	..	Desert water. Fills a mile of lagoons.
81	Barcoorah	ditto .. ..	..	6,370	..	Supplies the homestead.
82	Barcoorah, Two-Mile	ditto .. ..	..	small ..	..	At head of Pelican Creek.
83	North Springs	Aramac Lease ..	? 800	50,000	} 90	Cover many acres north of Lake Mueller.
84	Twenty-Mile	Aramac Lease	} over 750	10,000		
85	Big Moon	ditto		100,000		
86	Sawpit	ditto		10,000		
87	Five-Mile	ditto		10,000		
88	Friendly	ditto		100,000		
89	Jersey	ditto		100,000		
90	.. ..	Coreena Lease ..	..	..	..	Has many artesian springs.
91	Black Springs	near Georgetown	..	..	very hot ..	Emits clouds of steam.
92	The Hot Springs	Herberton ..	..	..	hot	
93	Ban Ban	near Gayndah ..	..	2,000,000	..	
94	Maryvale Spring on Dismal Creek	Lat. 24° 3' 40" Long. 145° 54' 40"	1,239 (W.J. 14-8-11)	100,000	cool ..	Runs Dismal Creek for several miles in cold weather
95	Cutt's Spring on Paradise Creek	Lat. 24° 18' 20" Long. 146° 1' 40"	1,450 (W.L. 7-8-11)	..	..	Issuing from a sandstone scarp; watered 4,000 sheep during drought.
96	Barcoo River	Northampton ..	..	..	..	About seven mudsprings; sufficient to supply local stock.

TABLE OF PERENNIAL SPRINGS—continued.

Reference Number.	Name.	Locality.	Altitude above Mean Sea Level, in Feet.	Flow, Gallons per Day.	Temperature, Fahrenheit Degrees.	Remarks.
97	Pop's Springs	Ravensbourn .. ..	.. ..	fair .. ..	.. ..	Desert springs on west slope of Enniskillen Range; supply cattle.
98	Fern Springs	ditto .. ..	.. ..	ditto .. ..	.. ..
99	Bexley, G.F. †	Lat. 23° 12' 35" Long. 144° 19' 5"	.. ..	400 .. ..	.. ..
100	Tocal	Alfred Downs .. ..	.. ..	good .. ..	.. ..	Supplies homestead by gravitation. Inspected 30th October, 1912; stated that before 1904 the flow was sufficient to water 5,000 sheep and that it increases during winter or in wet weather. Desert springs; supplies 100 horses and cattle.
101	Stonehenge	Bimerah Run .. ..	.. ..	ditto .. ..	.. ..	Improved by a well; supplies town in drought.
102	Johnstone Range	ditto .. ..	.. ..	small .. ..	.. ..	Several small springs; not utilised.
103	Swanvale	Swanvale .. ..	.. ..	good .. ..	.. ..	The only permanent water on run.
104	Oakvale	near Herberston .. ..	.. ..	ditto .. ..	.. ..	Mineral springs. See Analyses 195 and 196. (From <i>Queensland Government Mining Journal</i> , 15-5-00, p. 2.)
105	Innott or Nettle's Creek	ditto .. ..	.. ..	ditto	158 to 168	
106	Kenmore Springs, at Homestead †	Lat. 26° 56' 10" Long. 146° 15' 40"	908	ditto .. ..	.. ..	Watered 6,000 to 7,000 sheep during drought; water used for domestic purposes in preference to bore-water.
107	Baroona Mud Springs	Lat. 27° 49' Long. 145° 40'	648	? 370	83	Improved by a shaft 7 feet deep; measured yield in shaft = 4,110 g.p.d.; water is of inferior quality. Re-inspected 17th July, 1914, yield about 3,090 g.p.d.
	Rankin's Group 1 .. ..	.. ..	.. ..	.. ..	.. ..	Unimproved; stated that the yield is larger than that of Group 1.
	Ditto Group 2 .. ..	.. ..	.. ..	.. ..	.. ..
108	Waihora Mud Springs	Lat. 28° 12' Long. 145° 12' .. ..	.. ..	no flow .. ..	.. ..	A tank was excavated to store the water, but it filled with mud.
109	Kungi Spring, Tinnenburra †	Lat. 28° 41' 30" Long. 145° 14' 10"	.. ..	No flow .. ..	.. ..	Has not the appearance of a mud spring; surrounding ground is flat.
110	Caiwarra Mud Spring †	Lat. 28° 28' 45" Long. 144° 53' 30"	.. ..	Intermittent flow .. ..	.. ..	Group of about 13 mounds, the biggest about 8 ft. high, when inspected on 12-10-11, seven of them were wet but did not flow; stated that there is no regularity in the period of discharge.
111	Bitherty Mud Spring, Tinnenburra †	Lat. 28° 34' 50" Long. 145° 0' 20"	494	No flow .. ..	.. ..	Inspected 13-10-11; two mounds, one wet, the other dry, no evidence of any flow. Well 50 ft. deep close to wassunk without striking any water, abandoned.
112	Wirrarah Spring on Dynevor Downs Lease at Bores Nos. 1 and 5 †	Lat. 28° 14' 20" Long. 144° 20' 0"	476	200	76.5	Inspected 8-2-12. In sandy bed of watercourse, former estimated flow of Main Spring about 10,000 g.p.d. improved by timbering; now silted up.
	Wirrarah Mud Springs	Lat. 28° 15' 10" Long. 144° 21' 10"	.. ..	No flow .. ..	.. ..	A group of about 12 mounds unimproved.
113	Bullenbilla No. 1 Spring on Dynevor Downs Lease †	Lat. 28° 11' 45" Long. 144° 26' 45"	.. ..	500 .. ..	.. ..	In very broken watercourse west of Willie's Range; about 20 mounds, of which about 6 are slightly flowing.
	Bullenbilla No. 2 Springs †	Lat. 28° 12' 10" Long. 144° 25' 50"	.. ..	5 .. ..	.. ..	A group of 5 very large mounds and 2 small carpet springs. When inspected one of the springs had a slight flow.
114	Ooliman Springs No. 1 on Dynevor Downs Lease †	Lat. 28° 8' 25" Long. 144° 30' 25"	559	1,200	cold	The main spring is surrounded by a grassy bog about 20 ft. wide.
	Ooliman No. 2 Springs	Lat. 28° 8' 40" Long. 144° 30' 0"	575	100	ditto	Main spring timbered to 14 ft., but the supply in the well is not more than 300 g.p.d. This spring is reported to have failed on completion of Ooliman bore.
115	Wiggera Springs on Dynevor Downs and Boorara Leases †	Lat. 28° 16' 30" Long. 144° 34' 0"	.. ..	42,100	95	Inspected 18-1-12. Main spring issues from several holes in a basin about 10 ft. wide and about 3 ft. deep. Supplies both leases and is improved on the Boorara side by troughing. Indications point to this being a natural artesian spring.
116	Bingara Homestead Springs (old ?) †	Lat. 28° 9' 25" Long. 144° 43' 40"	?	about 500	cold	Inspected 21-12-11; consisting of 4 small slabbed wells about 8 ft. deep, and a pair of large mounds not flowing.
	Ditto at Bore No. 1	Lat. 28° 12' 25" Long. 144° 37' 50"	643	about 500 .. ..	.. ..	A group of mud springs of which a few are overflowing.
	Ditto—Tunga, at Bore No. 2	Lat. 28° 14' 20" Long. 144° 37' 40"	655	about 1,500 .. ..	.. ..	Unimproved mud springs.
	Ditto—Wooregym at Bore No. 3 †	Lat. 28° 15' 20" Long. 144° 44' 20"	550	No flow	80	About 10 to 15 chains north of bore. Inspected 8-12-11; a small improved spring a few feet deep; other unimproved springs give off a fair amount of gas, but this is stated to be intermittent.
	Ditto—Dewalla at Bore No. 4 †	Lat. 28° 8' 0" Long. 144° 43' 50"	575	about 500	cold	Inspected 21-12-11; a group of springs, main springs formerly improved, now absorbed by a grassy bog about 1 ch. wide.
117	Minyeburra Springs †	Lat. 28° 12' 25" Long. 144° 43' 55"	.. ..	no flow .. ..	.. ..	Inspected 14-2-12; a group of springs at Minyeburra bore; stated that several of the springs have dried up since the bore was put down.
	Ditto	Lat. 28° 12' 50" Long. 144° 43' 20"	.. ..	ditto .. ..	.. ..	Scooped out to a depth of a few feet, forming a permanent watering-place for a few horses.
	Boorara and Carrawinga Leases—					
118	Horseshoe Springs †	Lat. 28° 19' 0" Long. 144° 32' 40"	.. ..	2,500 .. ..	.. ..	Inspected 21-2-12; Main Springs of a group of springs issuing from the south-western edge of a granite outcrop.
	Ditto †	Lat. 28° 19' 30" Long. 144° 32' 15"	.. ..	2,000	81	
119	Twomanee Springs †	Lat. 28° 19' 40" Long. 144° 32' .. ..	.. ..	2,500	80	Inspected 18-2-12; Main springs of a group of springs issuing at the edge of a granite outcrop and at the foot of desert sandstone ridges.
	Ditto †	Lat. 28° 20' 30" Long. 144° 32' 25"	.. ..	1,500 .. ..	.. ..
	Ditto †	ditto .. ..	.. ..	1,300	79.5	This and Group No. 118 is bounded on all sides but the S.W. side by desert sandstone ridges up to 250 ft. in height.
	Ditto †	ditto .. ..	.. ..	1,200	78	
120	Tunca Springs †	N. E. of Myrton bore to north boundary	.. ..	small .. ..	.. ..	Unimproved springs; some of them with small flows.
121	Gooning Well †	Lat. 28° 23' 25" Long. 144° 17' 30"	L 443	1,500	77	Inspected 29-2-12; timbered to 20.5 ft. A McComas water lifter is installed to fill two tanks of about 5,000 galls. capacity which automatically discharge into troughing.
	Ditto Springs †	5 chains east of well	? 443	.. ..	.. ..	Improved by scooping out a reservoir 20 ft. in diameter and 18 in. deep. Two other groups of non-flowing springs exist to the south of the well.
122	Bush Springs †	At No. 1 bore .. ..	.. ..	1,630	90	Inspected 5-2-12; flows into troughing. Other groups of non-flowing springs of which one of them is improved by a well 8½ ft. deep.

TABLE OF PERENNIAL SPRINGS—*continued.*

Reference Number.	Name.	Locality.	Altitude above Mean Sea Level. in Feet.	Flow, Gallons per Day.	Temperature, Fahrenheit Degrees.	Remarks.
123	Tilberry Springs ..	† Lat. 28° 22' 20" Long. 144° 8' 10"	..	1,010	89	Inspected 5-3-12; Main Spring improved by a well 12 ft. deep and the water is led by piping to troughing, the overflow of which runs into a small tank.
	Ditto (Hut) ..	† About 2 miles N.E. of main spring	..	100	..	Constitutes supply for hut and horse paddock.
124	Curraunya Springs	† Lat. 28° 30' 0" Long. 144° 11' 0"	..	small ..	..	Inspected 6-3-12. One of these springs has been improved by a shallow well for the supply of the house.
125	Youleen Springs ..	† Lat. 28° 42' 15" Long. 144° 9' 20"	..	14,000 12,000	105 103	Inspected 17-3-12. Main Springs could only be estimated on account of the boggy nature of the surroundings; there is a slight smell of sulphuretted hydrogen in the main spring.
	Ditto ..	ditto ..	..	3,000	..	Other springs covering about 3 acres.
126	Tungata Springs ..	.. Lat. 28° 29' .. Long. 144° 29' 30"	..	..	..	A group of mounds covering an area of about 1 mile by ½-mile; only a few of them overflow.
	Ditto (Southerly) †	..	..	50	71.5	Inspected 19-4-12. Improved by a well timbered to a depth of 18 ft.
	Ditto (Easterly) ..	..	..	490	77	Improved by 5 chains of troughing.
127	Corina Springs ..	† Lat. 28° 26' 0" Long. 144° 31' 0"	..	1,540	76	Inspected 19-4-12; improved by three timbered wells and troughing. The mounds of this group, 150 to 200 in number, range from 5 to 20 ft. in height and are mostly dry.
128	Tarko Springs ..	† Lat. 28° 24' .. Long. 144° 32' ..	..	..	..	Inspected 20-4-12; largest group of mound springs in district.
	Ditto Main Springs †	..	..	1,000	? 79	Improved by fencing and troughing.
	Ditto ..	..	..	500	..	..
	Ditto ..	..	..	3,000	..	Others overflowing; estimated at 3,000 g.p.d.
129	Currawinya Lease— Barb Tank Springs †	Lat. 28° 42' 45" Long. 144° 23' 40"	L 428	No flow ..	..	Inspected 27-4-12; these 3 groups are somewhat similar in appearance and consist of several acres of non-flowing mounds (excepting Fish Springs, where there are several very small flows). Some of the mounds exceed 20 ft. in height.
130	Umataha Springs ..	.. Lat. 28° 45' 15" Long. 144° 25' 25"	L 431	ditto ..	..	..
131	Fish Springs ..	.. Lat. 28° 47' 0" Long. 144° 26' 15"	L 426	Some of ab't 10 g.p.d.	Cold	..
132	Kaponyee Spring ..	.. Lat. 28° 45' 55" Long. 144° 14' 45"	..	Large flow	..	Not inspected. Stated to be similar to Youleen Spring.
133	Tareen Spring ..	† Lat. 28° 29' 55" Long. 144° 21' 0"	L 424	No flow ..	cold ..	Inspected 23-4-12; improved by well 5 ft. deep; small supply; windmill erected; supplies troughs and house.
134	Currawinya Station Spring †	..	L 428	600	cold ..	Inspected 23-3-12; improved by a well 12 ft. deep; supply maintained during drought.
135	Tunca Springs ..	† Lat. 28° 15' 20" Long. 144° 21' 40"	..	150	..	Inspected 26-2-12 and 9-2-12; one spring improved by a well but has filled in. The whole group of springs extends from the northern boundary almost continuously to Myrton Bore.
	Wombula Springs ..	..	476	..	..	..
	Springs (unnamed) ..	..	486	..	..	..
136	Mt. Nichols Spring †	Lat. 28° 22' 0" Long. 144° 18' 35"	..	..	..	Inspected 1-3-12; consisting of a few unimportant scattered mounds.
137	Bokeen Springs ..	† Lat. 28° 23' 20" Long. 144° 17' 30"	L 411	..	69	Inspected 29-3-12; improved by a well (about 20 ft. deep), windlass and troughing. W.L. 1 foot below surface.
138	8 miles north of Currawinya Station ..	† Lat. 28° 43' 35" Long. 144° 30' 35"	..	Very small	..	Inspected 19-3-12; only a few scattered mounds, of which one is slightly overflowing into a tank.
139	Goomerah Spring ..	† Lat. 28° 39' 15" Long. 144° 38' 25"	L 452	..	cold ..	Inspected 15-4-12; a spring in centre of a clay pan; formerly improved, now abandoned.
140	Nowanee Spring ..	.. Lat. 28° 39' 45" Long. 144° 23' 40"	..	..	..	..
141	Gourminya Spring ..	.. Lat. 28° 39' 15" Long. 144° 18' 35"	..	..	..	..
142	Burtanya Spring ..	.. Lat. 28° 25' 5" Long. 144° 16' 40"	..	..	..	..
143	Boomerang Spring ..	.. Lat. 28° 28' 15" Long. 144° 23' 20"	..	..	..	Not inspected.
144	Springs N.W. of Colanya ..	.. Lat. 28° 29' 30" Long. 144° 36' 50"	..	..	..	..
145	Kapingee Springs ..	.. Lat. 28° 47' 40" Long. 144° 16' 0"	..	..	..	..
146	Wonko Springs ..	.. Lat. 28° 26' 0" Long. 144° 24' 25"	..	..	..	Not inspected; improved by 2 wells and windmills.
147	Tego Springs ..	† Lat. 28° 51' 0" Long. 146° 47' 25"	..	200	..	Inspected 15-8-12; a group of small mud springs; main spring improved by a well 25 ft. deep; a well 80 ft. deep and sunk only a few chains north is a failure. Another well near Tego house struck a small supply of salt water at 40 ft.
148	Towry Springs, No. 1 †	Lat. 28° 58' 30" Long. 146° 56' 0"	..	200	..	Inspected 18-8-12; outlet not visible.
	No. 2 †	ditto ..	..	250	..	Runs creek for about 20 yds.
	No. 3 †	ditto ..	..	250	..	Scoped out to a depth of 4 ft.; pool 18 ft. diameter.
	No. 4 †	..	..	dribble ..	..	Small patch of grass about 12 ft. diameter. Stated that the discharge of this group does not vary with the seasons. General alkaline incrustations at these springs.
149	Woolshed Spring at Bore No. 3 †	Lat. 28° 33' 40" Long. 144° 26' 25"	L 466	? 78	..	Inspected 18-2-12; mud spring improved by boring to a depth of about 10 ft.; water used during shearing season only; stated that flow ceased when first flow in bore was struck.
150	Thorlindah Springs, Cairwarro Lease †	Lat. 28° 55' 10" Long. 144° 45' 20"	439	Good ..	..	Inspected 4-9-12; improved by 3 wells, one of them overflows into a small dam; supply most likely surface soakage from adjacent hills.
151	Fairfield Spring ..	† Lat. 23° 13' 10" Long. 144° 18' 50"	..	1,000	..	Water issues from a crack between some rocks, it is good to drink, but of a bluish cloudy colour when standing; spring improved by troughing; stated that flow has diminished greatly.
152	Pretty Plains Springs, Tilbooroo Lease ..	† Lat. 27° 52' 30" Long. 144° 54' 20"	..	? 2,000	..	Inspected December, 1913. A group of unimproved carpet springs near the head of Boondoona Creek; main spring issuing from small jets of bubbling sand.
153	Boondoona Creek Springs †	Lat. 27° 54' 40" Long. 144° 52' 0"	..	? 40,000	..	Consisting of unimproved scattered springs and soaks along the creek bed; (partly inspected).

TABLE OF PERENNIAL SPRINGS—*continued.*

Reference Number.	Name.	Locality.	Altitude above Mean Sea Level, in Feet.	Flow, Gallons per Day.	Temperature, Fahrenheit Degrees.	Remarks.
154	Yowah Springs	† Lat. 27° 56' 40" Long. 144° 46' 0"	..	? 15,000	? 100	Inspected 9-12-13; this spring issues from a few small sand-craters at the bottom of a hole about 10 ft. diameter and is led into creek by a drain about 10 chs. long.
	Ditto	† ditto .. ..	..	2,000	? 70	Situate about 10 chs. east of the above spring and issuing from a small basin (about 1 ft. diameter) of bubbling sand in a well-defined hole of a few inches.
155	Merlmo Springs ..	† Lat. 28° 7' 20" Long. 144° 47' 0"	..	small ..	..	Inspected 5-9-13; A group of mound springs with some dry mounds 13 ft. high, also a carpet spring near hand bore. The taste of the spring waters of groups 152 to 155 is that of artesian bore waters.
156	Maramungee Spring ..	Lat. 21° 30' 40" Long. 140° 53' 40"	..	very small	..	Reported in Feb., 1915; stated that at one time it furnished a good supply.
157	Lellavale Spring ..	Lat. 20° 47' 30" Long. 141° 13' 40"	..	..	..	No data to hand.
158	Bladensburg Spring ..	Lat. 22° 38' 20" Long. 142° 36' 10"	..	very small	..	Small spring in narrow gorge.
159	House Spring, "Sandhills"	Bogarella Lease ..	..	small ..	..	See Analysis 342; fluctuating supply.
160	Spring, 2-mile S.W. of stn.	† Carnarvon Lease ..	2,635	1,000	..	See Analysis 343; permanent soak.
161	Basalt Tableland Spring	† ditto	2,734	abt. 1,000	..	See Analysis 344; supply from a basalt gorge.
162	Spring Gully Spring	† ditto	2,614	fully 20,000	..	See Analysis 345; supply from very porous sandstone; stated to be quite permanent; flow estimated at 30,000 g.p.d.
163	Dooloogarah Gorge Spring	† ditto	2,654	?	..	See Analysis 346; flow from quartzites and sandstone.
164	Yanalah Spring ..	† Chesterton Lease	2,214	5,000	..	See Analysis 347. Flow from white and very porous sandstone.
165	Black Spring ..	† ditto	2,244	small	..	Permanent supply; waters about 30 head of horses; issues from sandstone immediately underlying basalts.
166	Channin Creek No. 1	† Head of Creek ..	2,700	2,000	..	Soak from porous sandstone; slight taste of iron.
	Ditto No. 2	† ditto	2,700	15,000	..	Several small jets in bed of creek from quartzites and sandstones; slight iron taste.
	Ditto No. 3	† ditto	2,630	5,000	..	Soak from porous sandstones; slight iron taste.
	Ditto No. 4	† ditto	3,260	1,000	..	Soak in basalt gorge.
167	Mannandilla Springs ..	Lat 26° 7' 30" Long. 146° 44' 30"	about 500ft. above Nalpa bore	about 20,000	..	Situated nearly at the top of the range and improved by a pipe to troughing; water good but tastes strongly of minerals.
168	Aurichen Springs ..	Lat. 26° 19' 0" Long. 146° 44' 30"	..	good	..	Water issues from the bottom of a waterhole at the edge of desert sandstone; stated to be permanent and is running the creek for 20 chains; water of exceptional good quality.
169	Maranoa River ..	.. At Mitchell ..	..	soakage	..	River kept constantly running by soakage of brackish water (fit for stock); many shallow wells along the river bed north of Mitchell.

WATER SUPPLY DEPARTMENT—QUEENSLAND.

WATER ANALYSES.

(See pages 154 to 163 for Alphabetical Reference Index.)

The Analysis No. 1 is copied from a letter from the Mines Department, New South Wales, to Mr. J. R. Lomax, of Boatman Station. No. 19 was made by Mr. Hamlet, of Sydney, for Professor Anderson Stuart, of that city. Nos. A to U and 71 to 74 were made at the Queensland Government Laboratory previous to 1893. Nos. V to Y were made by Mr. A. Helms, of Sydney. No. 75 was made by Mr. W. A. Dixon, F.C.S., Sydney. No. 134 was made by Mr. G. H. Irvine. No. 135 was made by Mr. C. R. Blackett, of Melbourne. Nos. 169, 204, 205, and 207 were made by Mr. J. C. Brünlich, of Gatton College, for the Lands Department; 279 by Mr. F. B. Guthrie, N.S.W. The remainder were made by the Queensland Government Analyst, Mr. J. Brownlie Henderson, and, during his absence in England, by his assistant, Mr. T. McCall.

Abbreviations.—Art. Signifies that the water is from a flowing artesian bore.
 Riv. " " " flowing river or creek.
 W.H. " " " water-hole, lagoon, or tank.

Abbreviations.—Sub. Signifies that the water is from a sub-artesian bore.
 " " " " " spring close to its source.
 " " " " " well.

Reference.	Locality	Source.	Date.	Total Solids.	GRAINS PER GALLON.								PARTS PER MILLION.			Remarks.		
					Fixed.	Volatile (not CO ₂).	Silica, SiO ₂	Iron, Fe ₂ O ₃ (with Al ₂ O ₃)	Calcium, CaCO ₃	Magnesium, MgCO ₃	Sodium, Na ₂ CO ₃	Chlorides.	Sulphates, as SO ₄	Nitrates, as NO ₃	Hardness.		Free.	Albuminoid.	Oxygen for incineration.
A	Cunnamulla	Art.	21 Mar., 1889	22.1	..	..	..	trace	..	..	..	..	..	0.021	0.016	..	..	Fit for domestic and other uses.
B	Ditto	Art.	July, 1890	25.75	..	..	..	..	..	24.60	..	..	..	0.023	0.017	..	..
C	Brisbane Racecourse	Art.	4 Oct., 1889	113.4	..	..	..	trace	..	..	..	..	..	trace	trace	..	..	Contains a small quantity of carburetted hydrogen; fit only for irrigation purposes.
D	Winton (shallow bore)	Sub.	16 Mar., 1886	219.8	..	..	..	..	9.43	..	..	..	..	..	..	..	..
E	Bradley Creek Bore	Sub.	16 Mar., 1886	235.43	..	..	..	..	14.50	..	..	..	..	..	..	..	..	May be used for stock.
F	Green Hill	Well	16 Mar., 1886	785.62	..	..	..	..	20.20	..	..	..	..	..	..	..	..
G	Widgee gars 1	Sub.	Oct., 1884	678.09	..	..	..	..	..	..	..	..	..	..	..	..	..	May be used for stock.
H	Ditto 2	Sub.	Oct., 1884	468.1	..	..	..	..	..	..	..	..	..	..	..	..	..
I	North Rockhampton	Soak.	31 Jan., 1888	163.1	..	..	..	..	..	..	..	..	..	..	..	..	..	Only to be recommended for irrigation.
J	Ditto 44-feet level	Soak.	31 Jan., 1888	94.5	..	..	..	..	..	..	..	..	..	..	..	..	..
K	Mackadilla	Art.	3 June, 1891	34.3	..	..	..	..	1.52	trace	..	..	..	..	..	..	..	Fit for domestic and other purposes.
L	Tambo	Art.	24 Oct., 1890	40.6	..	..	..	..	..	..	..	..	..	..	..	..	..
M	Warwick Springs	..	30 Oct., 1890	74.9	..	..	..	..	..	..	..	..	..	..	..	..	..	Fit for domestic and other purposes.
N	Aberfoyle, No. 1 Bore	Art.	1890	21.18	..	..	..	..	1.14	..	..	..	..	..	..	..	..

WATER ANALYSES—continued.

Reference.	Locality	Source.	Date.	Total Solids.	Suspended Matter.		Silica, SiO ₂	Iron, Fe ₂ O ₃ (with Alumina)	Carbonates.			Chlorides.			Sulphates, as SO ₄	Nitrates, as NO ₃	Hardness.	PARTS PER MILLION.		Remarks.	
					Fixed.	Volatile (not CO ₂).			Calcium, CaCO ₃	Magnesium, MgCO ₃	Sodium, Na ₂ CO ₃	Sodium, NaCl.	Potassium, KCl.	Total Chlorine, Cl.				Free.	Ammonia.		Oxygen for moist combustion.
O	Barekline Government Bore	Art.	13 Aug., 1888	66.5	..	trace	..	..	..	66.5	trace	..	trace	trace	..	..	2.8	trace	..	The salts in solution in these waters are chiefly bi-carbonate of sodium and potassium. Therefore, while the water may be used for domestic purposes, they are unfit for use in irrigation.
P	Ditto	Art.	13 Aug., 1888	63.7	..	trace	..	..	..	63.70	..	trace	trace	trace	..	..	2.8	trace	..	
Q	Blackall Bore	Art.	13 Aug., 1888	71.4	..	trace	..	..	..	71.4	trace	..	trace	trace	..	..	3	trace	..	Unfit for domestic use and irrigation; may be occasionally used for stock. Unfit for irrigation; may be used for other purposes.
R	Charleville Bore	Art.	12 Sept., 1889	70.7	..	..	..	..	..	49.36	21.34	12.95	..	..	..	..	3	..	..
S	Laidley Bore	Art.	? 1890	622.3	..	..	..	..	..	..	..	5.28	..	..	..	..	8	..	..
T	Brixton Bore	Art.	3 June, 1891	88.50	..	..	..	..	..	..	81.42	..	..	..	..	..	..	..	..
U	Mackay Lagoon Well	Well	Aug., 1890	14.50	..	trace	..	..	..	..	..	1.82	..	..	..	..	7	0.043	0.026	Good for domestic purposes, stock, and irrigation; solid residue consists chiefly of carbonate of lime, chloride of sodium, with small quantities of sulphate of lime, and traces of magnesia.
V	Bowen Downs, 1—Kanaka	Art.	27 Sept., 1891	66.36	11.69	11.33	0.48	0.06		3.0
W	Ditto 2—Grange	Art.	27 Sept., 1891	25.76	..	..	..	..	..	..	5.26	3.18	trace	..	..	..	..	0.14	0.02	1.5
X	Ditto 3—Land's End	Art.	27 Sept., 1891	25.90	..	..	..	..	..	..	5.28	3.18	trace	..	..	..	..	0.09	0.02	2.0
Y	Ditto 4—Muttaburra road	Art.	22 Aug., 1892	47.32	12.85	7.77	note	0.16	0.20	..	Residue chiefly chloride, sulphate, and carbonate of sodium. Soft, and suitable for domestic, stock, irrigation, and woolscouring purposes.
1	Boatman Bore, 1	Art.	5 Mar., 1895	34.15	..	..	..	..	..	..	11.12	..	..	3.16	..	..	4.0	0.45	0.02	..
2	Box Spring, Mount Datson	Spg.	..	36.0	..	..	..	..	..	0.4	26.21	6.59	..	..	..	..	..	0.40	none	..
3	Brighton Downs, 1—McCartney's Ck.	Art.	26 Feb., 1896	49.0	..	..	..	..	..	0.6	31.63	11.37	..	..	..	..	..	0.78	none	..
4	Ditto 2—Mackunda Ck.	Art.	17 Feb., 1896	38.0	..	..	..	..	..	0.2	27.60	5.10	..	..	..	..	..	0.64	none	..
5	Dagworth, Crescent Bore	Art.	18-29 Nov., '95	28.6	1.3	17.41	3.79	0.24	trace	..	This water is similar to other bore waters analysed; good for domestic purposes, woolscouring, and for irrigation. The hot water deposits stalagmite while cooling.
6	Darr River Downs, 4	Art.	23 Dec., 1895	53.0	..	..	..	..	..	..	36.64	11.53	..	..	..	..	..	0.14	0.10	..
7	Dillalah, 2 (Loddon)	Art.	24 Nov., 1893	33.8	21.45	12.35	9.75	1.0	..	Alkaline; contains large quantity of free ammonia; may be safely used for domestic purposes. This water is good for wool-scouring and thoroughly safe; but not good for irrigation. Evidently a natural artesian water.
8	Mount Cornish, Dotewood	Art.	Oct., 1893	23.9	..	..	..	..	..	..	20.44	3.46	..	..	..	..	..	0.08	none	..
9	Elizabeth Spring (natural)	Spg.	17 Mar., 1896	43.0	..	..	..	..	..	0.3	26.42	13.18	..	..	..	..	..	0.24	0.02	..
10	Lucknow	Art.	5 Feb., 1896	32.0	..	..	..	..	..	..	19.95	6.75	..	..	..	..	..	0.42	none	..
11	Llanrheidol, 1	Art.	30 Jan., 1896	30.0	..	..	..	..	..	..	15.07	6.93	..	..	..	..	..	0.08	none	..
12	Nine-mile (Aramac Divisional Board)	Art.	Sept., 1893	65.0	47.70	17.30	0.346	0.03	..	Analysis cannot be relied on; water badly packed Total solids, chlorine and free ammonia high, but safe for domestic purposes; if regularly used for irrigation would probably be detrimental to vegetation.
13	Thargomindah	Art.	Oct., 1893	56.0	..	..	..	..	..	..	46.78	9.22	..	..	..	..	..	0.54	0.04	2.0
14	Warenda, 19—Warra	Art.	6 May, 1896	36.0	..	..	..	..	..	0.3	26.25	6.75	..	..	..	..	..	0.32	0.01	..
15	Ditto 6—Bunda	Art.	2 May, 1896	36.0	..	..	..	..	..	0.5	23.08	6.92	..	..	..	..	..	0.80	trace	..
16	Ditto 2—Palparara	Art.	7 April, 1896	39.0	..	..	..	..	..	0.2	29.09	7.41	..	..	..	..	..	0.72	trace	..

WATER ANALYSES—continued.

Reference	Locality	Source	Date	Total Solids	Suspended Matter.					Iron, Fe ₂ O ₃ (with Alumina)	Carbonates			Chlorides			Sulphates, as SO ₄	Nitrates, as NO ₃	Hardness.	PARTS PER MILLION.			Remarks.
					Fixed	Volatile (not CO ₂)	Silica, SiO ₂	CaCO ₃	MgCO ₃		Na ₂ CO ₃	Potassium, KCl.	Sodium, NaCl.	Total Chlorine, Cl.	Free Ammonia.	Albuminoid				Oxygen for moist combustion.			
17	Winton (deep bore)	Art.	April, 1896	25.0	..	9.0	0.9	2.7	trace	8.12	4.28	..	2.6	..	0.48	trace	..	..	0.48	trace	..	contains less chlorine and alkalies than the general run of bore waters.
18	Normanton Bore	Art.	Nov., 1895	276.0	..	..	..	..	..	159.8	116.2	..	..	..	1.00	0.01	..	..	1.00	0.01	..	
19	Ditto	Art.	21 Dec., 1895	275.5	..	..	..	..	..	160.3	114.19	..	69.3	..	1.40	0.05	..	..	1.40	0.05	..	As potable waters undesirable; have a faint saline taste.
20	Prairie Bore	Sub.	Oct., 1894	58.0	..	2.24	0.52	3.44	1.74	15.16	34.9	..	..	..	0.04	0.04	..	..	0.04	0.04	3.50	
21	Bundaberg—Steindl's Well	Well	Aug., 1896	12.0	..	..	..	..	..	..	7.90	..	4.8	..	0.21	trace	..	..	0.21	trace	..	
22	Gympie—Deep Lead Well	Well	Aug., 1895	15.0	..	..	..	..	..	..	3.29	..	2.0	..	0.24	trace	..	..	0.24	trace	..	
23	Helidon—Smith's Well	Well	Dec., 1895	1027.6	..	..	10.0	88.0	205.0	146.60	578.00	..	..	..	trace	0.6	..	..	trace	0.6	..	Unsuitable for domestic or irrigation purposes.
24	Thuringowa Board—Test Well	Well	6 Jan., 1896	8.6	..	..	..	..	..	..	2.30	..	1.4	..	0.13	0.01	..	..	0.13	0.01	..	Water of doubtful potability; frequent analyses recommended.
25	Toowoomba—Kearney's Springs	Spq.	20 May, 1895	9.2	..	..	..	..	..	..	6.59	..	4.0	..	0.16	0.06	..	..	0.16	0.06	..	
26	Ditto Red Lion Well	Well	29 May, 1895	10.4	..	..	..	..	..	..	4.28	..	2.6	..	0.08	0.004	..	..	0.08	0.004	..	
27	Ditto Reservoir	Well	29 May, 1895	16.2	..	..	..	..	..	..	8.56	..	5.2	..	0.04	0.038	..	..	0.04	0.038	..	
28	Ditto Stephens street	Well	29 May, 1895	42.0	..	..	..	..	..	..	15.06	..	9.2	..	0.282	0.042	..	..	0.282	0.042	..	
29	Ditto School of Arts	Well	29 May, 1895	18.2	..	..	..	..	..	..	6.91	..	4.2	..	0.08	0.006	..	..	0.08	0.006	..	
30	Ditto Old Govt. James street	Well	..	31.0	..	..	..	..	..	..	9.88	..	6.0	..	0.16	0.01	..	..	0.16	0.01	..	
31	Ditto Stephens street (large)	Well	..	41.0	..	5.0	0.5	9.7	13.5	..	16.97	..	10.3	..	0.18	0.04	..	..	0.18	0.04	..	Probably contaminated with sewage.
32	Ditto Stephens street (small)	Well	..	43.0	..	4.9	0.5	9.0	13.0	..	16.47	..	10.0	..	0.24	0.01	..	..	0.24	0.01	..	
33	Bundaberg—Baldwin's Creek	Riv.	Aug., 1896	17.0	..	..	..	..	..	..	12.02	..	7.3	..	0.21	0.07	..	..	0.21	0.07	..	Fairly good water.
34	Gympie—Mary River	Riv.	3 Aug., 1896	17.0	..	..	..	..	..	..	6.09	..	3.7	..	0.27	0.07	..	..	0.27	0.07	..	Not a good water.
35	Rockhampton—Scrubby Creek	Riv.	Feb., 1896	61.0	..	..	..	..	..	..	35.42	..	21.5	..	0.044	0.10	..	..	0.044	0.10	..	Used for wool-scouring.
36	Eulolo, 2—Woolscour	Art.	7 July, 1896	27.0	..	2.14	0.37	trace	trace	13.50	4.12	..	..	..	..	..	..	..	..	..	Deposits iron oxide while cooling.	
37	Kynuna, 2—Bellkate	Art.	12 July, 1896	26.45	..	2.16	trace	2.24	trace	16.19	5.11	..	..	..	..	..	..	..	..	..	Sulphate dressing advantageous with these waters.	
38	Warenda, 13—Gydhya	Art.	9 June, 1896	46.25	..	1.27	trace	0.81	trace	34.33	9.06	..	..	..	..	..	..	..	..	..
39	Toolebuc, 5	Art.	9 June, 1896	52.95	..	1.38	trace	1.20	trace	36.00	14.20	..	..	..	..	..	..	..	..	..
40	Tinnenbarra, 1	Art.	21 Aug., 1896	35.65	..	2.20	trace	1.08	..	21.15	8.57	..	..	..	..	..	..	..	..	..
41	Ditto 2	Art.	16 Aug., 1896	28.5	..	1.17	trace	trace	..	17.12	8.24	..	..	..	..	..	..	..	..	..
42	Ditto 3	Art.	14 Aug., 1896	37.75	..	1.37	trace	0.91	..	23.12	8.57	..	..	..	..	..	..	..	..	..
43	Ditto 4	Art.	23 Aug., 1896	39.25	..	2.05	trace	0.77	trace	28.10	8.57	..	..	..	..	..	..	..	..	..
44	Ditto 5	Art.	25 Aug., 1896	38.75	..	1.43	trace	0.91	0.26	23.10	9.72	..	..	..	..	..	..	..	..	..
45	Ditto 7	Art.	28 Aug., 1896	34.5	..	1.36	trace	1.03	0.12	19.89	9.06	..	..	..	..	..	..	..	..	..
46	Ditto 8	Art.	30 July, 1896	33.75	..	1.88	trace	0.49	0.31	19.68	9.55	..	..	..	..	..	..	..	..	..
47	Ditto 9	Art.	26 Aug., 1896	33.35	..	1.78	trace	0.73	trace	17.58	9.88	..	..	..	..	..	..	..	..	..

80 g. p. d. of soda carbonate probably prejudicial to vegetation.

WATER ANALYSES—continued.

Reference.	Locality	Date.	Total Solids.	Suspended Matter.		Silica, SiO ₂	Iron, Fe ₂ O ₃ (with Alumina).	Carbonates.			Chlorides.			Sulphates, as SO ₄	Nitrates, as NO ₃	Hardness.	PARTS PER MILLION.		Remarks.	
				Fixed.	Volatile (not CO ₂).			Calcium, CaCO ₃	Magnesium, MgCO ₃	Sodium, Na ₂ CO ₃	Sodium, NaCl.	Potassium, KCl.	Total Chlorine, Cl.				Free.	Ammonia.		Oxygen for moist combustion.
48	Calwarra, 1	11 Sept., 1896	46.35	..	..	2.08	trace	1.30	0.43	25.81	14.91	..	..	none	..	..	..	..	..	..
49	Ditto 2	8 Sept., 1896	35.60	..	..	2.77	trace	0.85	0.38	18.42	9.24	..	..	none	..	..	..	..	..	..
50	Kahmoo Bore	13 Oct., 1896	28.75	..	..	2.2	trace	0.75	trace	17.34	8.40	..	..	none	..	..	..	..	..	..
51	Burrabilla Bore, 1	16 Oct., 1896	38.90	..	..	1.5	trace	0.97	trace	24.62	6.75	..	..	none	..	..	..	..	..	..
52	Beaudesert, 7—Bluey Creek	29 July, 1896	68.10	..	..	1.21	trace	1.25	trace	35.86	21.42	..	..	none	..	..	..	..	..	..
53	Ditto 4—Snake Creek	13 Aug., 1896	36.55	..	..	1.55	trace	0.65	trace	24.97	7.75	..	..	none	..	..	..	..	..	..
54	Quambeylook	29 Aug., 1896	25.6	..	..	1.52	trace	3.24	1.41	10.60	7.75	..	..	none	..	..	..	..	..	..
55	Eulo, 3—Willduck	24 Aug., 1896	42.05	..	..	1.70	trace	2.94	trace	15.30	3.34	..	..	none	..	..	..	..	..	..
56	Beaudesert, 6—Rangeview Creek	10 Aug., 1896	42.45	..	..	1.90	trace	0.51	trace	28.60	8.32	..	..	none	..	..	..	..	..	..
57	McKinlay Town	15 Aug., 1896	42.1	..	..	2.00	trace	1.18	trace	26.55	7.86	..	..	none	..	..	..	..	..	..
58	Beaudesert, 1—Gidya Creek	26 July, 1896	57.9	..	..	1.75	trace	0.96	trace	43.56	11.63	..	..	none	..	..	..	..	..	..
59	Fort Constantine, 34—Elder Creek	3 Oct., 1896	49.45	..	..	1.17	trace	1.01	trace	37.56	8.96	..	..	none	..	..	..	..	..	..
60	Ditto 1—Alice	16 Oct., 1896	60.35	..	..	1.25	trace	1.26	trace	41.93	15.40	..	..	none	..	..	..	..	..	..
61	Ditto 8—Kennedy's Yard	17 Oct., 1896	62.3	..	..	1.03	trace	1.10	trace	44.77	14.93	..	..	none	..	..	..	..	..	..
62	Manfred Downs, 28—The Springs	11 Dec., 1896	42.6	..	..	0.58	trace	1.11	trace	20.53	19.95	..	..	none	..	..	..	..	..	..
63	Ditto 1—Windmill	14 Nov., 1896	23.8	..	..	1.36	trace	1.98	trace	13.54	6.44	..	..	none	..	..	..	..	..	..
64	Ditto 11—Pennsylvania	7 Dec., 1896	25.8	..	..	1.48	trace	0.74	trace	17.04	6.59	..	..	none	..	..	..	..	..	..
65	Ditto 8A—Lara	11 Dec., 1896	22.9	..	..	0.45	trace	0.56	trace	15.85	6.04	..	..	none	..	..	..	..	..	..
66	Ditto 15—Katoook	22 Nov., 1896	23.2	..	..	0.68	0.36	2.27	..	14.05	5.81	trace	..	none	..	..	..	..	..	..
67	Ditto 12—Blinnum	..	22.65	..	..	1.08	trace	3.17	..	12.59	5.81	trace	..	none	..	..	..	..	..	..
68	Ditto 3—Stud Paddock	14 Nov., 1896	24.6	..	..	1.55	trace	1.35	..	15.43	6.27	trace	..	none	..	..	..	..	..	..
69	Ditto 7—Boonooka	12 Nov., 1896	27.5	..	..	1.70	trace	1.16	..	19.09	5.60	trace	..	none	..	..	..	..	..	..
70	Dillalah, 3—Hythe	April, 1897	109.48	45.99	20.67	..	..	1.44	trace	20.84	23.40	trace	..	..	..	..	..	..	..	..
71	Sixty-five Mile Government Bore	24 Oct., 1891	70.12	..	6.60	..	..	..	..	48.72	..	..	..	..	..	..	..	..	..	..
72	Lakeview, Barcardine	14 June, 1892	20.0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
73	Dillalah Station Bore, 1	11 July, 1892	73.28	..	..	..	..	4.13	..	..	..	..	..	..	..	..	..	..	..	..
74	Westland Station Bore, 2	3 Nov., 1892	98.0	..	0.70	..	..	3.0	..	62.61	..	15.23	..	..	..	..	..	..	..	..
75	Helidon Spa	4 Dec., 1894	228.01	..	..	0.29	trace	7.35	3.39	212.14	2.99	..	..	..	..	..	..	..	..	..
76	Roma Government Bore	24 Aug., 1897	73.95	..	..	1.33	0.63	2.11	0.97	37.34	23.39	..	..	7.17	..	..	..	..	..	..
77	Telemon, 1—Woolshed	26 Mar., 1897	32.00	..	..	1.45	2.80	1.40	1.06	14.00	8.75	..	..	2.01	..	..	..	..	..	..
78	Ditto 2—Whitewood	29 Mar., 1897	33.50	..	..	1.60	trace	3.15	3.18	13.77	9.08	..	..	2.01	..	..	..	..	..	..

Distinctly saline taste, but is used for the kitchen garden.

Suitable for domestic purposes, and for stock and irrigation.

Samples are better than most bore waters, and may be used for domestic purposes, stock, and irrigation. All show traces of potash, but no sulphates.

Water very muddy; sample of doubtful value sulphuretted hydrogen. H₂S = .332 g. p. g. unit for domestic or stock purposes.

Suitable for irrigation.

Soda, 21.07; potash, 19.05 g. p. g.; potable, but not well suited for irrigation.
Potash sulphate, 17.16; H₂S 2.04 g. p. g.; only suitable for medicinal or wool-scouring purposes.
Lithium carb. 2.68; natural axated mineral water.

Potassium and sodium sulphates.

Casing very badly corroded.

WATER ANALYSES—continued.

Reference.	Locality	Source.	Date.	Total Solids.	Suspended Matter.		Silica, SiO ₂	Iron, Fe ₂ O ₃ (with Alumina).	Carbonates.			Chlorides.			Sulphates, as SO ₄	Nitrates, as NO ₃	Hardness.	PARTS PER MILLION.			Remarks.
					Fixed.	Volatile (not CO ₂).			Calcium, CaCO ₃	Magnesium, MgCO ₃	Sodium, Na ₂ CO ₃	Sodium, NaCl.	Potassium, KCl.	Total Chlorine, Cl.				Free.	Albuminoid.	Oxygen for moist combustion.	
79	Ditto 3—Telemon	Art.	23 Feb., 1897	22.50	..	1.20	1.40	4.45	6.43	2.74	5.78	..	..	trace	..	..	..	..	..	..	Suspended matter, 32.2 g. p. g.
80	Maryborough, 1—Sewage	..	10 Oct., 1897	411.70	187.0	..	..	..	..	..	..	84.00	..	..	..	..	..	..	..	..	Organic matter and sulphates, 5.66; sewage contamination.
81	Ditto 2—(?)	..	10 Oct., 1897	54.00	..	1.95	3.10	8.50	1.21	..	..	27.50	..	..	..	..	..	..	..	..	Sewage contamination.
82	Ditto 3—Turkey Creek	Riv.	10 Oct., 1897	20.00	..	1.60	2.00	3.30	2.10	..	..	10.70	..	..	..	..	..	..	..	..	Fairly good.
83	Ditto 4—Intake	Riv.	10 Oct., 1897	10.00	..	1.10	1.20	1.50	trace	..	..	5.10	..	..	..	..	..	..	..	..	Fairly good.
84	Toowoomba—Gents'	Well	20 Aug., 1897	16.00	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Too much chlorides for domestic purposes.
85	Ditto Kelly's Paddock	Well	20 Aug., 1897	127.00	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Zinc, 2.55 g. p. g.
86	Ditto Pound's Paddock	Well	20 Aug., 1897	13.00	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Fairly good.
87	Ditto Perkins'	Well	20 Aug., 1897	10.00	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Fairly good.
88	Ditto Paul's	Well	20 Aug., 1897	11.00	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Undetermined, 5.45 g. p. g.
89	Thornborough	Well	20 Nov., 1897	80.00	..	2.30	..	12.10	19.00	0.53	24.76	..	..	15.36	..	..	..	..	..	..	Undetermined, 1.05 g. p. g.
90	Kingsborough	Well	17 Nov., 1897	49.00	..	2.30	1.30	10.80	13.26	10.06	10.23	..	..	trace	..	..	..	..	..	..	Undetermined, 7.38 g. p. g.; magnesium chloride 4.5 g. p. g.; magnesium sulphate, 17.80.
91	Britannia	Well	17 Nov., 1897	76.00	..	3.00	1.90	20.20	7.27	..	13.95	..	..	17.80	..	..	..	..	..	..	Potash carbonate, 0.17 g. p. g.
92	Dalgona, 1—Fullarton	Art.	28 Oct., 1896	48.05	..	1.46	0.47	1.64	1.25	23.80	17.80	..	..	..	..	..	..	..	..	..	Potash carbonate, 0.15 g. p. g.
93	Ditto 2—Ghillat	Art.	29 Oct., 1896	29.00	..	1.46	0.31	1.12	0.87	19.33	5.76	..	..	..	..	..	..	..	..	..	Potash carbonate, 0.17.
94	Bando, 1—Roto	Art.	21 April, 1897	25.90	..	2.32	0.48	1.06	1.34	15.02	5.60	..	..	..	..	..	..	..	..	..	From Yerroll Creek, near the sea.
95	Dunwich Asylum	Riv.	26 Jan., 1898	6.50	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Magnesium sulphate, 0.50 g. p. g.; good water.
96	Millungers—Bowwater	Art.	22 Dec., 1896	26.00	..	2.85	..	1.40	..	15.40	4.95	..	..	0.50	..	..	..	..	..	..	Potassium carb. trace; good water.
97	Aramac Town	Art.	21 June, 1897	21.80	..	3.00	trace	2.60	trace	10.10	6.10	..	..	..	..	..	..	..	..	..	Magnesium sulphate, 0.25; potassium carb. none.
98	Saxby, 1—Central	Art.	19 Jan., 1897	25.70	..	2.00	1.00	1.60	1.60	10.63	6.93	..	..	..	..	..	..	..	..	..	Magnesium sulphate, 0.20; potassium carb. trace.
99	Ditto 2—Mill Mill	Art.	21 Jan., 1897	25.08	..	2.50	trace	trace	trace	16.38	4.62	..	..	..	..	..	..	..	..	..	Volatile CO ₂ , 7.20 g. p. g.
100	Dalgona, 3—Twelve-Mile	Art.	2 Nov., 1896	43.67	..	2.90	..	1.50	..	15.26	23.76	..	..	0.25	..	..	..	..	..	..	Carbonic acid, 8.1 g. p. g.; *metals returned as elements, not salts.
101	Ditto 4—Springs	Art.	3 Nov., 1896	26.50	..	2.80	..	2.10	..	15.40	6.00	..	..	..	..	..	..	..	..	..	Good for domestic, stock, and irrigation purposes.
102	Cresbrook Creek	W.H.	17 Feb., 1898	32.60	..	3.20	0.60	9.00	7.00	..	12.70	..	..	..	..	..	..	..	..	..	Good for domestic purposes; sodium sulphate, 1.20 g. p. g.
103	Boort, near Cunnamulla	Well	2 June, 1897	1261.00	..	29.70	7.00	*61.00	*49.8	*319.4	..	..	..	196.0	..	..	..	..	..	..	Good for domestic purposes; sodium sulphate, 1.00 g. p. g.
104	Bunda-Bunda, 1—Blackbull	Art.	29 Dec., 1896	25.50	..	1.90	none	0.80	trace	18.50	4.30	..	..	..	..	..	..	..	..	..	Good for domestic purposes; sodium sulphate, 1.00 g. p. g.
105	Ditto 2—Telegraph	Art.	6 Jan., 1897	25.00	..	2.50	none	0.50	trace	17.60	4.40	..	..	..	..	..	..	..	..	..	Good for domestic purposes; sodium sulphate, 1.20 g. p. g.
106	Ditto 3—Ashe's	Art.	30 Dec., 1896	25.50	..	1.80	trace	0.90	0.30	17.90	4.60	..	..	..	..	..	..	..	..	..	Good for domestic purposes; sodium sulphate, 1.00 g. p. g.
107	Ditto 4—Station	Art.	2 Jan., 1897	26.00	..	1.80	trace	0.90	trace	19.00	4.30	..	..	..	..	..	..	..	..	..	Good for domestic purposes; sodium sulphate, 1.20 g. p. g.
108	Cambridge Downs, 4—Ram Creek	Art.	12 Feb., 1897	23.50	..	1.90	trace	2.20	1.80	10.60	5.80	..	..	1.20	..	..	..	..	..	..	Good for domestic purposes; sodium sulphate, 1.00 g. p. g.
109	Ditto 7—Flagstone	Art.	17 Feb., 1897	30.50	..	4.40	trace	1.70	1.20	16.10	5.60	..	..	1.00	..	..	..	..	..	..	Good for domestic purposes; sodium sulphate, 1.00 g. p. g.

WATER ANALYSES—continued.

Reference.	Locality	Source.	Date.	GRAINS PER GALLON.										PARTS PER MILLION.			Remarks.				
				Total Solids.	Suspended Matter.		Carbonates.				Chlorides.			Sulphates, as SO ₄		Nitrates, as NO ₃		Hardness.	Free.	Ammonia.	Oxygen for moist combustion.
				Fixed.	Volatiles (not CO ₂).	Silica, SiO ₂	Iron, Fe ₂ O ₃ (with Alumina).	Calcium, CaCO ₃	Magnesium, MgCO ₃	Sodium, Na ₂ CO ₃	Sodium, NaCl.	Potassium, KCl.	Total Chlorine, Cl.								
110	Bando Government Bore	Art.	14 Feb., 1897	27.20	..	2.00	0.80	1.30	0.85	14.80	7.40	..	..	0.05	..	..	..	..	..	..	Good for all purposes; carbonic acid, 1'00.
111	Murweh, 1—Perfooka	Art.	2 May, 1897	47.00	..	1.60	0.40	1.40	0.80	23.00	15.20	..	..	4.60	..	..	..	..	..	..	Good for domestic and stock purposes; doubtful for irrigation.
112	Ditto 2—Toorumbury	Art.	4 May, 1897	61.50	..	2.70	0.60	1.10	0.50	29.70	21.10	..	..	5.80	..	..	..	..	..	..	Good for domestic and stock purposes; doubtful for irrigation.
113	Ditto 3—Warego	Art.	6 May, 1897	59.50	..	3.60	1.20	2.80	trace	31.10	20.80	..	..	trace	..	..	..	..	..	..	Potash trace; good for domestic and stock purposes; doubtful for irrigation.
114	Ditto 4—Neville Forest	Art.	3 April, 1897	55.00	..	2.20	0.90	1.40	0.50	34.50	15.50	..	..	trace	..	..	..	..	..	..	Good for domestic and stock purposes; doubtful for irrigation.
115	Claverton, 1—Wyandra	Art.	13 April, 1897	36.25	..	1.80	0.60	1.40	0.50	19.40	12.5	..	..	..	..	..	..	..	..	..	Calcium sulphate, 6.12; magnesium chloride, 3'68; potable, but too hard for most purposes, except irrigation.
116	Ditto 2—Burke..	Art.	15 April, 1897	54.00	..	2.00	0.80	1.60	0.32	36.73	12.55	..	..	..	..	..	..	..	..	..	0.90
117	Ditto 3—Alicia..	Art.	23 April, 1897	36.25	..	2.20	trace	0.90	0.15	23.00	10.00	..	..	..	..	..	..	..	..	..	0.90
118	Rocklands—Carnooveal Bore	Sub.	18 May, 1897	40.37	..	3.30	0.90	6.70	8.23	..	11.44	..	..	6.12	..	..	..	..	..	..	2.00
119	Afton Downs, 2—Afton	Art.	17 April, 1897	21.00	..	1.90	..	4.20	6.00	1.60	5.00	..	..	1.40	..	..	..	..	..	..	0.90
120	Ditto 3—Emu Creek	Art.	23 April, 1897	25.50	..	2.20	..	4.80	7.20	1.30	7.20	..	..	1.30	..	..	..	..	..	..	2.00
121	Ditto 4—Cannonball	Art.	24 April, 1897	47.60	..	2.60	..	1.40	0.60	17.00	11.00	..	..	15.00	..	..	..	..	..	..	trace
122	Ditto 5—North East	Art.	16 April, 1897	21.50	..	1.70	..	4.50	7.40	1.90	5.60	..	..	0.40	..	..	..	..	..	..	trace
123	Allora—Deacons'	Well	17 May, 1898	224.00	..	1.75	2.25	*5.40	*4.36	*71.61	..	..	112.70	..	..	..	..	..	..	..	Carbonic acid, 14'40; *metals returned as elements, not salts. See No. 76 also.
124	Roma Government Bore	Art.	12 Oct., 1897	50.00	..	1.60	0.20	0.50	0.30	23.00	15.50	..	..	8.90	..	..	..	..	..	..	0.90
125	St. Lawrence—Town Dam	W.H.	1 June, 1898	7.50	..	..	..	..	..	..	..	..	1.90	..	..	..	..	..	..	..	0.01
126	Ditto Port Denison	W.H.	1 June, 1898	6.50	..	..	..	..	..	..	..	..	0.80	..	..	..	..	..	..	..	0.40
127	Redcliffe (Hughenden)	Sub.	30 April, 1897	19.00	..	2.80	trace	4.40	4.50	0.80	5.30	..	..	1.2	..	..	..	..	..	..	1.5
128	Sylvania, 2—Annandale	Art.	7 April, 1897	25.30	..	1.60	..	6.40	8.40	3.00	5.90	..	..	trace	..	..	..	..	..	..	1.0
129	Telemon, 4—Sawpit	Art.	31 Mar., 1897	21.00	..	1.50	0.60	4.00	6.90	2.60	5.40	..	..	..	..	..	..	..	..	..	Contaminated, not organic matter.
130	Morven Town Bore	Sub.	15 Oct., 1897	17.00	..	2.40	1.00	0.50	0.30	11.20	1.60	..	..	..	..	..	..	..	..	..	Hard, but good.
131	Rocklands, Carnooveal, 1	Sub.	24 Mar., 1897	42.01	..	3.69	0.79	15.84	15.30	17.35	..	..	19.00	13.17	..	..	..	..	..	..	See also No. 198.
132	Ditto ditto 2	Sub.	24 Mar., 1897	48.53	..	2.18	0.39	15.71	16.37	19.60	..	..	112.40	18.87	..	..	..	..	..	..	0.34
133	Avon Downs, ditto 2	Sub.	24 Mar., 1897	75.70	..	6.04	0.92	17.15	17.73	17.12	..	..	123.00	110.63	..	..	..	..	..	..	0.33
134	Elverston	Art.	26 Jan., 1898	45.36	..	0.36	0.09	1.57	trace	23.39	13.94	..	..	2.77	..	..	..	..	..	..	0.65
135	Toorak, 1—Wild Duck	Art.	? Nov., 1892	29.00	..	..	..	some	some	some	some	..	..	some	..	..	..	..	..	..	Alkaline reaction.
136	Maria Creek Bore	Art.	1898	864.50	..	2.55	1.45	15.20	45.45	576.00	253.85	..	..	..	..	..	..	..	..	..	See Government Analyst's Report, 1898.
137	Charleville Meat Works Bore	Art.	1 June, 1898	58.00	..	1.70	..	1.35	trace	25.52	20.60	..	..	..	..	..	..	..	..	..	1.00
138	Stauwell Bore, Central Railway	Sub.	21 July, 1898	33.70	..	1.00	..	7.00	8.50	..	1.500	..	..	..	..	..	..	..	..	..	none

{ Sodium sulphate (Na₂SO₄) = 2'00 g. p. g.
Free carbonic acid (CO₂) = 4'40 g. p. g.

WATER ANALYSES—continued.

Reference	Locality	Source	Date	GRAINS PER GALLON.										PARTS PER MILLION.		Remarks.				
				Total Solids.	Suspended Matter.		Silica, SiO ₂	Iron, Fe ₂ O ₃ (with Alumina)	Carbonates.			Chlorides.			Sulphates, as SO ₄		Nitrates, as NO ₃	Hardness.	Free Ammonia.	Oxygen for moist combustion.
					Mixed.	Volatile (not CO ₂).		CaCO ₃	MgCO ₃	Sodium, Na ₂ CO ₃	Sodium, NaCl.	Potassium, KCl.	Total Chloride, Cl.							
139	Maryborough Corporation, 1	Riv.	5 Aug., 1898	91.00	..	..	..	4.02	..	..	..	..	44.50	traces	..	19.00	0.02	4.00	Free carbonic acid = 1.30 g. p. g. and chlorides. To be classed as good for domestic purposes.
140	Ditto ditto 2	Riv.	5 Aug., 1898	103.00	..	..	7.40	..	..	..	..	..	53.20	traces	..	29.00	0.08	4.00	Free carbonic acid = 1.00 g. p. g.
141	Maryborough, Turkey Creek, 1	Riv.	14 Sept., 1898	77.00	..	15.75	..	..	..	..	..	..	3.80	..	..	..	2.15	70.00	Sulphuretted hydrogen (H ₂ S) = 1.12 g. p. g. Both samples totally unfit for domestic or stock use.
142	Ditto ditto 2	Riv.	14 Sept., 1898	128.50	..	36.00	..	..	..	..	..	..	57.00	..	..	..	none	64.00	
143	Allora Wells, 2	Well	4 Oct., 1898	52.00	..	..	..	..	..	..	..	..	2.00	none	0.25	27.00	0.06	5.50	none
144	Ditto 3	Well	4 Oct., 1898	94.00	..	..	..	..	..	..	..	..	19.30	none	50.00	37.50	0.81	12.50	traces
145	Ditto 4	Well	4 Oct., 1898	118.00	..	..	..	..	..	..	..	..	29.75	none	12.50	63.00	0.03	1.50	none
146	Ditto 7	Well	4 Oct., 1898	64.00	..	..	..	..	..	..	..	..	21.80	none	2.50	27.50	0.02	2.00	none
147	Ditto 8	Well	4 Oct., 1898	93.50	..	..	..	..	..	..	..	..	21.75	none	0.20	26.00	0.47	20.00	traces
148	Ditto 11	Well	4 Oct., 1898	79.00	..	..	..	..	..	..	..	..	21.70	none	5.00	45.00	0.01	2.00	traces
149	Ditto 14	Well	4 Oct., 1898	40.00	..	..	..	..	..	..	..	..	4.50	none	none	33.50	0.22	2.50	none
150	Ditto 15	Well	4 Oct., 1898	121.00	..	..	..	..	..	..	..	..	10.60	none	none	49.00	0.87	50.00	none
151	Ditto 16	Well	4 Oct., 1898	75.00	..	..	..	..	..	..	..	..	10.50	none	5.00	58.00	0.02	2.00	none
152	Ditto 18	Well	4 Oct., 1898	48.00	..	..	..	..	..	..	..	..	7.50	none	none	37.00	0.09	2.50	none
153	Ditto 21	Well	4 Oct., 1898	45.50	..	..	..	..	..	..	..	..	8.10	none	0.50	33.00	0.06	1.00	none
154	Ditto 23	Well	4 Oct., 1898	40.00	..	..	..	..	..	..	..	..	4.40	none	trace	33.50	0.10	1.50	none
155	Beechal—Duck Creek Bore	Art.	4 Oct., 1898	28.00	..	2.75	traces	1.80	0.20	18.13	5.12	Potassium carbonate, trace
156	Ditto Quillbone Creek Bore	Art.	4 Oct., 1898	27.50	..	3.50	trace	2.20	0.30	16.00	5.50	Do. do. traces
157	Maryborough, 1	Riv.	19 Oct., 1898	45.00	20.80	traces	0.80	4.00	..	Contain traces of magnesia
158	Ditto 2	Riv.	19 Oct., 1898	29.50	11.80	trace	0.15	5.20	..	May be used for domestic use.
159	Ditto 3	Riv.	19 Oct., 1898	7.50	2.40	none	0.05	11.50	..	Not safe for domestic use.
160	Mackay Lagoon, B	Well	2 Nov., 1898	15.00	2.00	none	..	7.50	..	1.00	0.25	These waters, although hard, are exceptionally pure, and are suitable for domestic and other purposes.
161	Ditto C	Well	2 Nov., 1898	15.00	1.90	none	..	7.10	..	1.00	0.50	
162	Ditto D	Well	2 Nov., 1898	14.00	2.00	none	..	7.00	..	1.00	0.30	
163	Ditto E	Well	2 Nov., 1898	15.00	1.90	none	..	7.00	..	1.00	0.40	
164	Blackall—Dickson's Bore	Art.	22 Dec., 1899	69.00	..	2.40	0.60	2.00	trace	48.00	16.00	Potassium carbonate traces.
165	Woolerina—Kulki Bore	Art.	17 Jan., 1899	206.00	..	30.00	57.60	17.00	4.90	39.00	2.50	Unfit for human consumption.
166	Lockyer Creek (above Heildon)	Riv.	8 Mar., 1899	37.00	1.80	4.60	10.20	..	19.50	trace	0.01	4.00	0.09	Organically pure, but hard, and contains too much magnesia to be classed as good for drinking.
167	Ditto (at Flagstone Creek)	Riv.	8 Mar., 1899	45.00	1.40	7.00	11.60	..	24.60	trace	0.01	5.00	0.08	
168	Offham Bore	Art.	23 Mar., 1899	41.00	..	2.10	..	1.40	1.00	29.24	7.26	

All the samples contained free carbonic acid.

May be used for domestic and stock.

May be used for domestic use.

These waters, although hard, are exceptionally pure, and are suitable for domestic and other purposes.

Potassium carbonate traces.

Unfit for human consumption.

Organically pure, but hard, and contains too much magnesia to be classed as good for drinking.

WATER ANALYSES—continued.

No.	Locality	Source	Date	Total Solids	Suspended Matter.		Silica, SiO ₂	Iron, Fe ₂ O ₃ (with Alumina)	Carbonates			Chlorides			Sulphates, as SO ₄	Nitrates, as NO ₃	Hardness	PARTS PER MILLION.		Remarks.
					Fixed	Volatile (incl. CO ₂)			Calcium (CaCO ₃)	Magnesium (MgCO ₃)	50 temp. Na ₂ CO ₃	50 temp. NaCl	Potassium (KCl)	Total (including Cl)				Free	Ammonia		(Oxygen for mole-oxidation)
169	Bando Government Bore	Art.	26 Mar., 1899	29.85	..	..	..	..	..	..	..	..	..	..	..	..	..	trace	1.96	Can be used for all purposes.
170	Westbrook Creek	Riv.	4 April, 1899	42.00	..	..	..	..	..	..	..	..	..	..	..	..	..	0.03	5.00	Too hard for domestic use, and contains too much aluminoid ammonia.
171	Oakey Creek	Riv.	4 April, 1899	41.00	..	..	..	..	..	..	..	..	..	..	..	..	..	0.14	6.00	
172	Hughenden Bore, A	Sub.	27 April, 1899	29.00	..	..	..	..	..	..	..	..	..	..	..	..	..	none	1.00	Free from organic contamination; although very hard, is suitable for domestic use.
173	Ditto B	Sub.	27 April, 1899	28.50	..	..	..	..	..	..	..	..	..	..	..	..	..	none	1.00	Suitable for all purposes.
174	Eddington—Alma Bore	Art.	27 April, 1899	25.00	..	..	1.60	0.30	traces	18.50	4.60	..	..	traces	..	..	..	..	..	Suitable for domestic, stock, and irrigation.
175	Coolibah Bore—Hughenden	Art.	27 April, 1899	24.00	..	..	1.30	0.20	6.50	8.40	2.70	..	..	..	..	..	..	..	..
176	Clermont, M.C., 1	W.H.	25 May, 1899	6.00	..	..	..	..	..	..	..	..	0.50	0.50	0.50	0.50	3.50	0.01	5.0	Contains too much vegetable organic matter.
177	Ditto 2	Well	25 May, 1899	15.00	..	..	..	..	..	..	..	..	0.50	0.50	0.50	20.00	0.02	none	2.0	Excessively hard, presence of magnesia and sulphates.
178	Ditto 3	Well	25 May, 1899	64.00	..	..	..	..	..	..	..	..	13.80	..	0.50	51.00	0.30	0.30	3.0	Much too hard to be recommended for domestic use.
179	Ditto 4	Well	25 May, 1899	46.00	..	..	..	..	..	..	..	..	20.20	..	1.00	35.00	0.10	0.05	2.6	
180	Ambo Bore	Art.	3 June, 1899	142.00	..	..	1.30	0.80	1.60	1.00	89.4	45.9	..	..	..	..	..	..	..	Organic matter, &c., = 2.00 g. p. g.
181	Clermont Municipality	?	18 April, 1900	68.5	..	..	..	..	..	..	..	..	..	..	traces	40.0	0.03	0.03	4.5	Water too hard to be suitable for domestic purposes.
182	Ditto No. 1	W.H.	4 Sept., 1899	12.5	..	..	..	..	..	..	..	..	20.60	..	..	3.0	0.12	0.37	9.8	
183	Ditto No. 2	Well	4 Sept., 1899	17.0	..	..	..	..	..	..	..	..	0.80	..	..	16.0	0.03	0.04	2.8	Nos. 1, 3, and 4 are unfit for domestic use, being evidently contaminated with sewage. No. 2, although extremely hard, is suitable for domestic purposes.
184	Ditto No. 3	Well	4 Sept., 1899	73.0	..	..	..	..	..	..	..	..	0.75	..	..	over 100	0.03	0.09	6.0	
185	Ditto No. 4	Well	4 Sept., 1899	60.0	..	..	..	..	..	..	..	..	13.80	..	..	90.0	0.01	0.03	5.3	
186	Warwick Waterworks, "B"	Riv.	12 Aug., 1899	13.0	..	..	..	..	..	..	..	..	21.50	..	..	6.0	0.01	0.16	7.0	Traces of sulphuretted hydrogen.
187	Fletcher River, Charters Towers	Riv.	25 Oct., 1899	13.0	..	..	..	..	..	..	..	..	2.60	..	..	8.5	0.01	0.37	?	
188	Charters Towers Waterworks, No. 1	Riv.	26 Mar., 1900	13.0	..	..	..	..	..	..	..	..	0.60	..	..	6.0	0.03	0.03	1.3	The water is good, and fit for domestic and other purposes.
189	Ditto No. 2	Riv.	26 Mar., 1900	12.0	..	..	..	..	..	..	..	..	0.85	..	..	6.0	0.01	0.01	0.9	
190	Tinana Creek, Maryborough, No. 1	Riv.	3 Jan., 1900	10.0	..	..	..	..	..	..	..	..	0.85	..	..	3.5	0.01	0.14	8.3	Water contaminated with organic matter; not recommended in its present state for drinking purposes.
191	Ditto No. 2	Riv.	3 Jan., 1900	10.0	..	..	..	..	..	..	..	..	4.00	..	..	3.5	0.01	0.12	7.0	
192	Avondale No. 2 Bore (Bignall's)	Art.	3 April, 1900	33.0	..	..	3.14	0.80	1.80	1.90	16.29	9.07	..	..	..	..	..	..	..	Water is suitable for wool-scouring, except for the high proportion of iron, which may be much smaller on a clear sample.
193	Burenda No. 2 Bore	Art.	16 May, 1900	28.77	..	..	1.60	1.05	0.90	1.90	10.25	9.57	..	..	..	..	..	..	..	Sodium sulphate = 2.80 g. p. g.
194	Murkadilla Government Bore	Art.	16 May, 1900	32.85	..	..	3.00	0.50	3.30	1.51	15.99	6.90	..	..	..	..	..	..	..	Sodium sulphate = 1.55 g. p. g.
195	Oakvale Springs, Herberston	Spg.	1895	104.80	..	..	6.57	0.53	25.95	3.97	54.10	11.37	..	..	..	..	..	..	..	Potassium sulphate = 1.01 g. p. g. } Potassium chloride = 1.12 g. p. g. } Lithia trace

WATER ANALYSES—continued.

Reference.	Locality	Source.	Date.	GRAINS PER GALLON.										PARTS PER MILLION.		Remarks.				
				Total Solids.	Subsided matter.		Silica, SiO ₂	Iron, Fe ₂ O ₃ (with Alumina)	Carbonates			Chlorides		Sulphates, as SO ₄	Nitrates, as NO ₃		Hardness.	Free Ammonia.	Alumina.	Oxygen for moist combustion.
				Fixed.	Volatile (not CO ₂).			CaCO ₃	MgCO ₃	Na ₂ CO ₃	Sodium NaCl.	Potassium KCl.	Total Chloride Cl.							
196	Innot Hot Springs, Herberton	Spg.	— 1896	..	..	7.90	0.40	1.86	1.70	15.34	19.60	..	..	..	..	..	..	..	Lithia, trace
197	Ditto	Spg.	— 1900	..	..	7.20	0.80	2.60	..	8.60	19.10	..	..	..	..	..	..	..	Temp. 158° to 168° F.
198	Morven Town Bore	Art.	27 July, 1900	..	..	1.44	0.64	1.90	2.42	7.89	1.48	..	..	..	..	..	..	..	Loss on ignition, Organic matter, etc. = 1.20 g. p. g.
199	Broadsound Divisional Board, St. Lawrence	Riv.	7 Aug., 1900	..	..	..	..	..	..	..	..	1.80	..	..	..	..	..	..	Sample insufficient to complete analysis.
200	Ditto	Riv.	14 Sept., 1900	..	..	..	..	..	..	..	..	1.60	..	..	..	..	..	..	Water contaminated with organic matter, and cannot be recommended as a first-class drinking water.
201	Kilcummin Station	Sub.	4 Sept., 1900	..	..	4.90	2.50	55.20	..	..	651.90	..	..	..	..	..	..	..	Magnesium sulphate = 7.8 g. p. g.; Magnesium chloride = 255.7 g. p. g.; Calcium chloride, 237.0 g. p. g.
202	Roma No. 2 Bore (Water)	Art.	18 Dec., 1900	..	..	2.02	0.28	0.68	0.93	31.18	9.73	trace	..	..	..	..	..	..	Sodium sulphate 1.09 g. p. g.; water has a strong odour of light mineral oil, otherwise it is a fair sample of bore water.
203	Roma No. 2 Bore (Gas)	Art.	18 Dec., 1900	Composition equal to—Carbon dioxide gas = 1.5 per cent.; Carbon monoxide = 5.8; Benzene series = 5.8; Olefine series = 1.5; Paraffin series = 82.8 including ethane = 9.4 per cent.; Nitrogen residual gas = 3.4 per cent.; Oxygen, n.l.; Hydrogen, n.l.										..	..	..	Lighting power fair, being equal to gas produced from light petroleum oil.		
204	Hughenden and Glendower Station	Sub.	24 Dec., 1900	281.61	255.85	25.76	2.41	0.98	45.70	6.86	65.24	..	51.94	Sulphuric acid = 76.16 g. p. g.; carbonic acid not determined; nitric acid, 11.6 part per million. Water quite unfit for domestic purposes, and can only be used with caution for stock.
205	Adavale Government Bore	Art.	12 Mar., 1901	55.23	44.52	10.71	0.56	0.14	15.75	18.13	Magnesium chloride = 8.4 g. p. g.; potash and soda not determined. Instructions for taking sample not adhered to.
206	Ditto	Art.	22 Jan., 1901	88.71	..	2.01	0.36	0.70	0.27	63.59	21.78	Water unsuitable for irrigation purposes.
207	Lockyer Creek	Riv.	— May, 1901	58.01	..	..	..	..	..	..	..	..	..	..	..	..	..	..	For complete and very exhaustive details, see <i>Queensland Agricultural Journal</i> , May, 1901, p. 381.
208	Coal Creek (No. 1), Esk District	Riv.	28 Jan., 1901	172.50	..	..	..	..	..	..	..	77.70	..	..	..	..	..	..	Each water quite unfit for domestic or stock use, being highly contaminated with organic matter.
209	Ditto (No. 2), ditto	Riv.	28 Jan., 1901	80.00	..	..	..	..	..	..	..	33.60	..	..	..	..	..	..
210	Longreach Bore	Art.	25 Feb., 1901	80.81	..	3.36	0.44	0.97	..	61.40	13.86	..	..	..	..	..	..	..	Sodium sulphate = 0.78 g. p. g. Water unsuitable for irrigation purposes.
211	J. A. Winton's, Mitchell	..	2 May, 1901	468.32	..	7.50	2.48	5.60	..	..	231.21	..	..	..	..	..	..	..	Magnesium sulphate = 120.47 g. p. g. This mineral water contains a large proportion of purgative salts, and would be harmful to cattle if an only supply of water.
212	Yandarlo G.F., Tambo	Well	7 May, 1901	1,240.13	..	4.80	1.35	25.20	..	..	366.08	..	..	..	..	..	..	..	Calcium chloride = 69.11 g. p. g. This mineral water is totally unfit for stock.
213	Childers Town Well, Isis Divisional Board	Well	13 May, 1901	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Sodium sulphate = 711.40 g. p. g. The water has a most offensive odour of sulphuretted hydrogen; it is unfit for domestic use.
214	Dalby Bore	Art.	14 May, 1901	124.59	..	2.34	0.40	0.65	0.38	65.38	55.44	..	..	..	..	..	..	..	The water contains too much carbonate and chloride of soda to be classed as good.
215	Warreacan Bore	Art.	5 June, 1901	150.00	..	..	..	..	..	..	20.00	..	..	..	..	..	..	..	Water has a strong odour of sulphuretted hydrogen.

WATER ANALYSES—continued.

Reference	Locality	Source	Date	GRAINS PER GALLON.										PARTS PER MILLION.			Remarks.				
				Total Solids.	Suspended Matter.		SiO ₂	Iron, Fe ₂ O ₃ (with Alumina).	Carbonates.			Chlorides.			Sulphates, as SO ₄	Nitrates, as NO ₃		Hardness.	Free.	Albuminoid.	Oxygen for moist combustion.
216	Eddington No. 1 Bore, Woolshed	Art.	26 June, 1901	25.13	Fixed	2.60	0.25	0.58	0.96	14.48	5.11	..	..	..	..	..	..	..	..	..	Sodium sulphate = 1.15 g. p. g.
217	Ditto No. 3 Bore, Camarooka	Art.	26 June, 1901	24.64	..	1.90	0.26	0.49	..	15.62	5.28	..	..	..	..	..	..	..	..	..	Sodium sulphate = 1.09 g. p. g.
218	Ditto No. 4 Bore, Horse Creek	Art.	26 June, 1901	24.98	..	1.86	0.22	1.08	..	15.00	6.10	..	..	..	..	..	..	..	..	..	Sodium sulphate = 0.60 g. p. g.
219	Ditto No. 7 Bore, Gidya Creek	Art.	26 June, 1901	27.15	..	1.94	0.33	0.36	0.25	19.01	4.78	..	..	..	..	..	..	..	..	..	Sodium sulphate = 0.4 g. p. g.
220	Townsville, Orphanage (No. 1)	Well	31 July, 1901	14.80	..	..	..	..	..	..	..	2.35	..	..	..	..	..	..	..	..	Fairly pure water and fit for domestic use.
221	Ditto ditto (No. 2)	Tap	31 July, 1901	14.90	..	..	..	..	..	..	..	2.35	..	..	..	..	..	..	..	..	May be considered fit for domestic use.
222	Ditto W.S. Reservoir	Well	19 Sept., 1901	15.20	..	..	..	..	..	..	..	2.55	..	..	..	..	..	..	..	..	Suitable for domestic use.
223	Ditto Flinders street	Tap	19 Sept., 1901	15.55	..	..	..	..	..	..	..	2.70	..	..	..	..	..	..	..	..	Do. do.
224	Ditto Willmet Well	Well	19 Sept., 1901	16.15	..	..	..	..	..	..	..	2.70	..	..	..	..	..	..	..	..	Do. do.
225	Ditto Hubert Well	Well	19 Sept., 1901	15.60	..	..	..	..	..	..	..	2.40	..	..	..	..	..	..	..	..	Do. do.
226	Townsville H. Bd., Ross Island	Well	19 Sept., 1901	16.60	..	..	..	..	..	..	..	2.05	..	..	..	..	..	..	..	..	Nitrogen (as nitrates), 3.5 g. p. g.
227	Ditto W.S., Ross River	Riv.	31 Aug., 1906	10.40	..	..	..	..	..	..	..	1.90	..	..	..	..	..	..	..	..	Alkalinity, 5.3 g. p. g. The analysis of the sample being delayed, the little contamination of vegetable and animal origin will partially account for the good results.
228	Rockhampton M.C. "54"	?	30 July, 1901	22.30	..	..	..	..	..	..	..	5.50	..	..	..	..	..	..	..	..	Too much organic matter of vegetable origin to be classed as suitable for domestic use.
229	Ditto "31"	?	30 July, 1901	12.00	..	..	..	..	..	..	..	1.90	..	..	..	..	..	..	..	..	Fairly pure water, but gives indications of organic matter of vegetable origin.
230	Fitzroy River, Proposed Weir for Rockhampton W.S.	Riv.	1 Aug., 1901	12.20	..	..	..	..	..	..	..	1.90	..	..	..	..	..	..	..	..	Comparatively pure; fit for domestic use.
231	Ditto ditto	Riv.	22 Jan., 1902	34.00	..	..	..	..	..	..	..	15.50	..	..	..	..	..	..	..	..	Suitable for domestic use; sample of 27-4-02.
232	Fitzroy River, Yaamba	Riv.	26 May, 1902	14.90	..	..	..	..	..	..	..	2.30	..	..	..	..	..	..	..	..	Suitable for domestic use; sample of 12-5-02.
233	Ditto ..	Riv.	26 May, 1902	14.80	..	..	..	..	..	..	..	2.40	..	..	..	..	..	..	..	..	Not suitable for domestic use.
234	Yeppen Lagoon, Rockhampton	W.H.	21 June, 1902	55.50	..	..	..	..	..	..	..	20.30	..	..	..	..	..	..	..	..	Do. drinking.
235	Dunganweate Lag., ditto	W.H.	25 July, 1902	93.10	..	..	..	..	..	..	..	33.50	..	..	..	..	..	..	..	..	Do. do.
236	Crescent Lagoon, ditto	W.H.	25 July, 1902	77.90	..	..	..	..	..	..	..	28.30	..	..	..	..	..	..	..	..	Uncertain as to sewage contamination.
237	Dunganweate Well, ditto	Well	25 July, 1902	66.00	..	..	..	..	..	..	..	22.50	..	..	..	..	..	..	..	..	Driftwater: not fit for drinking purposes.
238	Ditto Lag., ditto	..	25 July, 1902	96.90	..	..	..	..	..	..	..	32.20	..	..	..	..	..	..	..	..	Do. do.
239	Fitzroy River, Rockhampton—Sample untreated, "1 October"	Riv.	20 Nov., 1903	..	..	..	..	..	..	..	..	1.10	..	..	..	..	..	..	..	..	Do. do.
240	Ditto treated, ditto	Riv.	20 Nov., 1903	..	..	..	..	..	..	..	..	1.10	..	..	..	..	..	..	..	..	The samples were very muddy; that of 1 October being the worse, and insufficient to make exhaustive tests.
241	Ditto untreated, "30 October"	Riv.	20 Nov., 1903	..	..	..	..	..	..	..	..	4.20	..	..	..	..	..	..	..	..	Water contaminated with organic matter, not suitable for town supply.
242	Ditto treated, ditto	Riv.	20 Nov., 1903	..	..	..	..	..	..	..	..	4.10	..	..	..	..	..	..	..	..	able for town supply.
241	Rockhampton Town Supply—Crescent Lagoon, No. 1	W.H.	28 Mar., 1904	..	..	..	..	..	..	..	..	2.30	..	..	..	..	..	..	..	..	Water contaminated with organic matter, not suitable for town supply.
242	Ditto No. 2	W.H.	28 Mar., 1904	..	..	..	..	..	..	..	..	2.30	..	..	..	..	..	..	..	..	able for town supply.

WATER ANALYSES—continued.

Reference.	Locality	Source.	Date.	Total Solids.	GRAINS PER GALLON.										PARTS PER MILLION.			Remarks.		
					Suspended Matter.		Silica, SiO ₂ .	Iron, Fe ₂ O ₃ (with Al ₂ O ₃).	Carbonates.			Chlorides.			Nitrates, as NO ₃ .	Sulphates, as SO ₄ .	Hardness.		Ammonia.		Oxygen for moist combustion.
Fixed.	Volatile (not CO ₂).	Calcium, CaCO ₃ .	Magnesium, MgCO ₃ .	Sodium, Na ₂ CO ₃ .	Sodium, NaCl.	Potassium, KCl.			Total Chloride, Cl.	Calcium, CaCO ₃ .	Magnesium, MgCO ₃ .	Sodium, Na ₂ CO ₃ .	Calcium, CaCO ₃ .	Magnesium, MgCO ₃ .				Sodium, NaCl.	Potassium, KCl.	Total Chloride, Cl.		Free.	Albuminoid.
302	Tinderry Bore	Art.	23 Nov., 1910	32.0	..	2.46	0.22	0.85	0.31	20.76	7.42	..	..	..	..	..	..	..	..	Suitable for domestic, stock and wool-scouring purposes, but not for ordinary irrigation.
303	Incrustation from Bore "Albion Downs," Richmond	Art.	16 Feb., 1911	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Chiefly carbonate of lime, with some magnesia and very little iron. It contains no sulphates.
304	Yandar'o Bore No. ? Augathella	Sub.	4 April, 1911	255.6	..	1.40	0.42	9.30	..	185.2	..	..	..	..	..	..	..	..	..	Calcium sulphate, 22.11 g. p. g. Calcium chloride, 19.24 g. p. g. Magnesium chloride, 9.21 g. p. g. Very saline and "hard," unsuitable for irrigation and domestic use.
305	Oakwood Station Bore, Charleville	Art.	5 April, 1911	399.54	..	1.58	0.42	7.80	..	368.0	..	..	..	..	..	..	..	..	..	Calcium chloride, 21.40 g. p. g. Magnesium chloride 5.34 g. p. g. Too saline and "hard" for irrigation and domestic use, and about the limit for stock.
306	Tambo Bore	Art.	29 April, 1911	13.0	..	1.0	0.2	1.0	1.2	4.2	3.6	..	..	..	..	..	..	..	..	Exceptionally low in saline matter.
307	Burenda No. ? 6	?	9 June, 1911	6.6	..	1.3	0.1	0.7	1.7	..	2.0	..	..	..	..	..	..	..	..	Magnesium chloride, 0.7 g. p. g. Very small quantity of saline matter.
308	Thuruloona Station Bore, near Mungindi	Art.	16 June, 1911	131.2	85.8	5.6	0.6	1.8	1.9	21.7	9.6	..	..	..	..	..	..	..	..	Unsuitable for irrigation, owing to sodium carbonate.
309	Inverleigh No. 1, "Poignandrestre"	Art.	11 Aug., 1908	139.0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Loss on ignition, 15.5 g. p. g. Traces of lime and magnesia. Chlorine, 32.3. Equivalent of salt 53 g. p. g.
310	Flockton's Well, Rubyvale, Sapphire Field	Well	26 Feb., 1912	182.8	..	..	..	*56.20	..	..	..	70.0	..	..	..	..	0.06	0.09	2.80	*Parts per million. Too saline to be classed as a suitable potable water.
311	Warwick—Malt House	Well	20 Mar., 1912	77.0	..	2.8	0.1	7.4	1.0	..	52.9	..	..	..	..	..	0.01	0.15	1.0	Calcium sulphate, 1.5 g. p. g. Magnesium chloride, 11.3 g. p. g. Water suitable for brewing purposes, but unfit for steam raising and domestic use.
312	Toowoomba, Hospital for Insane, Wil- lowburn	Well	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Calcium sulphate, trace. Magnesium chloride, 21.1 g. p. g.
	New Well—Sample "A"	..	20 Mar., 1912	68.6	..	8.4	0.1	18.0	4.4	..	16.2	..	..	..	..	..	..	..	..	Calcium sulphate, trace. Magnesium chloride, 23.5 g. p. g.
	Ditto Sample "B"	..	20 Mar., 1912	68.0	..	4.7	0.1	15.9	2.6	..	15.2	..	..	..	..	..	..	..	..	Calcium sulphate, trace. Magnesium chloride, 23.5 g. p. g.
313	Barcaldine Bores, East and West	Art.	9 April, 1912	25.2	..	1.3	0.1	2.0	trace	9.9	10.2	..	..	..	..	..	..	..	..	A typical bore-water suitable for domestic and stock purposes.
314	Meeroondah Downs No. 1. (Bimerah)	Sub.	29 Aug., 1912	718	..	0.7	0.5	4.9	..	..	668.0	..	..	..	..	..	..	..	..	Calcium sulphate, 0.4 g. p. g. Calcium chloride, 38.0 g. p. g. Magnesium chloride, 5.8 g. p. g. Not suitable for stock or irrigation.
315	Afton Downs, No. 6	Art.	17 Oct., 1912	19.6	..	1.2	0.1	3.9	5.6	3.4	4.1	..	..	..	..	..	..	..	..	Calcium sulphate, 1.3 g. p. g. Suitable for domestic and stock use.
316	Afton Downs "Como"	Art.	17 Oct., 1912	25.3	..	2.3	0.1	6.1	5.8	5.1	5.3	..	..	..	..	..	..	..	..	Calcium sulphate, 0.6 g. p. g. Suitable for domestic and stock use.
317	Coreens, No. 7	Art.	15 Nov., 1912	18.1	..	1.5	0.7	1.4	1.3	3.0	10.2	..	..	..	..	..	..	..	..	Suitable for domestic, stock, and irrigating purposes.
318	Eulolo, No. 10	Art.	15 Nov., 1912	25.6	..	2.6	0.2	1.5	0.8	15.9	4.6	..	..	..	..	..	..	..	..	Calcium sulphate, trace.
319	Yorkshire Downs No. 3	Art.	6 Nov., 1912	24.1	..	1.4	0.2	2.0	0.3	12.7	6.6	..	..	..	..	..	..	..	..	Calcium sulphate, 0.9 g. p. g. Suitable for wool-scouring.

WATER ANALYSES—continued.

Reference.	Locality	Source.	Date.	GRAINS PER GALLON.										PARTS PER MILLION.			Remarks.			
				Total Solids.	Suspended Matter.		Silica, SiO ₂	Iron, Fe ₂ O ₃ (with Alumina)	Carbonates.			Chlorides.			Sulphates, as SO ₄	Nitrates, as NO ₃		Hardness.	Free.	Albuminoid	Oxygen for moist combustion.
Fixed.	Volatile (not CO ₂).	Calcium, CaCO ₃	Magnesium, MgCO ₃	Sodium, Na ₂ CO ₃	Sodium, NaCl.	Potassium, KCl.			Total Chlorine, Cl.	Calcium, CaCO ₃	Magnesium, MgCO ₃	Sodium, Na ₂ CO ₃								
320	Carrat, Richmond Downs Resumption	Art.	6 Nov., 1912	19.0	..	1.1	0.44	2.5	3.1	5.3	5.1	..	..	..	..	7.5	..	..	..	Calcium sulphate, 1.5 g. p. g.
321	Burenda No. 10A	Sub.	20 Feb., 1913	481	..	1.5	0.6	7.9	..	..	193.8	..	..	..	..	..	..	..	..	Calcium sulphate, 53.0 g. p. g. Calcium chloride, 179.5 g. p. g. Magnesium chloride, 44.8 g. p. g. Unit for domestic, stock, or irrigation purposes.
322	Townsville, Test Well No. 2	Well	5 Feb., 1912	132	..	3.1	0.3	2.3	0.6	..	5.1	..	..	nil	4.5	0.125	0.045	1.10	..	Calcium sulphate, 1.8 g. p. g. Suitable for domestic purposes.
	2nd Sample	Well	5 Feb., 1912	12.7	..	3.1	0.4	2.0	0.7	..	3.6	..	..	nil	4.5	trace	trace	1.10	..	Calcium sulphate, 1.8 g. p. g. Magnesium chloride, 1.2 g. p. g. Suitable for domestic purposes.
323	Burenda No. 10	Sub.	30 Dec., 1913	178.6	..	2.2	0.2	10.5	..	..	100.3	..	..	over	60.0	..	..	..	..	Calcium sulphate, 25.1 g. p. g. Calcium chloride, 24.5 g. p. g. Magnesium chloride, 15.8 g. p. g.
324	Avon Downs—"Kilcummin"	Sub.	25 Feb., 1914	1,858.0	..	1.2	3.1	trace	..	..	995.0	..	..	..	..	..	..	..	..	Calcium sulphate, 113.0 g. p. g. Calcium chloride, 262.0 g. p. g. Magnesium chloride, 484.0 g. p. g. Unit for stock or domestic purposes.
325	Avon Downs, surface (creek and bore-water mixed)	..	25 Feb., 1914	56.9	..	1.4	0.3	4.1	..	..	36.5	..	..	..	..	..	..	..	..	Calcium sulphate, 2.5 g. p. g. Calcium chloride, 3.4 g. p. g. Magnesium chloride, 8.7 g. p. g. Suitable for stock but not for domestic use.
326	Rothsay Sel. (Augathella)	Sub.	12 Mar., 1914	1,026.0	..	..	..	3.2	..	..	762.0	..	..	..	..	..	..	..	..	Sulphate as CaSO ₄ , 261.0 g. p. g. Unsuitable for stock, irrigation, or domestic use.
327	Burenda, No. 6	Art.	1 May, 1914	9.4	..	1.7	0.3	0.8	trace	3.2	3.4	..	..	..	1.5	..	..	..	..	Calcium sulphate, trace. Water corrosive.
328	Fleetwood Creek (Corinda)	Sub.	8 July, 1914	1,134.0	..	..	..	0.6	..	..	..	..	665.0	..	..	..	..	..	..	Sulphates as SO ₄ , 54.0 g. p. g. Unit for domestic, stock, or irrigation purposes.
329	Mt. Carbine Well (Woothakata Shire)	Sub.	19 Aug., 1914	14.2	..	..	..	4.5	..	..	..	..	1.1	..	2.5	0.6	0.6	2.1	..	Suitable for domestic use.
330	High School, Southport	Sub.	8 Jan., 1915	623.2	..	..	7.0	0.6	..	..	..	..	365.4	..	..	0.1	0.03	26.4	..	Contains a large quantity of calcium and magnesium salts. Unsuitable for laundry purposes.
331	Burenda No. 9 Resumption "Pievna Bore"	Sub.	18 Feb., 1915	361.0	..	2.5	0.4	4.8	..	..	169.2	..	..	..	..	0.64	0.04	3.2	..	Calcium sulphate, 54.9 g. p. g. Calcium chloride, 82.5 g. p. g. Magnesium chloride, 24.3 g. p. g. Suitable for stock but not for domestic use.
332	Julia Creek Railway Station Bore	Art.	19 June, 1915	24.5	..	1.9	0.3	trace	0.6	15.9	5.8	..	..	..	0.5	0.64	trace	trace	..	Calcium sulphate, trace. Suitable for domestic and stock purposes.
333	Gundare No. 4 (Augathella)	Sub.	15 Sept., 1915	138.5	..	1.4	0.4	..	..	34.2	52.7	..	..	..	15.0	..	..	..	..	Calcium sulphate, 7.6 g. p. g. Magnesium sulphate, 3.9 g. p. g. Sodium sulphate, 13.8 g. p. g. Unsuitable for steam raising.
334	Tarrina Well, Tambo	Well	16 Sept., 1915	983.6	..	..	..	..	6.9	..	620.6	..	..	..	..	..	..	..	..	Calcium sulphate, 210.1 g. p. g. Magnesium sulphate, 33.0 g. p. g. Magnesium chloride, 32.0 g. p. g. Unit for stock, irrigation, or domestic use.
335	Dillalah, No. 1	Art.	24 Nov., 1915	54.5	..	..	..	..	..	22.4	16.8	..	..	..	..	..	..	..	..	Reaction to Phenolphthalein—Alkaline. Gas Analysis—Oxygen, Nil.

WATER ANALYSES—continued.

Reference	Locality	Source	Date	GRAMS PER GALLON										PARTS PER MILLION			Remarks.			
				Total Solids.		Suspended Matter.		Silica, SiO ₂	Iron, Fe ₂ O ₃ (with Alumina)	Carbonates.			Chlorides			Sulphates, as SO ₄		Nitrates, as NO ₃	Hardness.	Free.	Albuminoid.	Oxygen for moist combustion.
Fixed.	Volatile (not CO ₂).	Calcium, CaCO ₃	Magnesium, MgCO ₃	Sodium, Na ₂ CO ₃	Sodium, NaCl.	Potassium, KCl.	Total Chlorine, Cl.			Calcium, CaCO ₃	Magnesium, MgCO ₃	Sodium, Na ₂ CO ₃	Calcium, CaCO ₃	Sulphate, SO ₄	Chloride, Cl.		Ammonia.			
336	Dillalah, No. 2	Art.	24 Nov., 1915	34.4	..	..	..	..	..	12.8	10.6	..	..	..	..	1.5	..	..	..	Reaction to Phenolphthalein—Alkaline. Gas Analysis—Carbon dioxide, Nil. Oxygen, Nil.
337	Dillalah, No. 3	Art.	24 Nov., 1915	49.4	..	..	..	..	..	19.8	15.8	..	..	..	..	..	..	..	..	Reaction to Phenolphthalein—Alkaline. Gas Analysis—Carbon dioxide, Nil. Oxygen, Nil.
338	Barber's Bore, Lurnea	Sub.	6 Dec., 1915	65.1	..	..	..	..	..	12.7	44.5	..	..	..	..	0.4	..	..	..	Sulphates as sodium sulphate, 2.3 g. p. g. Water suitable for stock use.
339	Kurraiong No. 1, Sommariva	Sub.	6 Dec., 1915	48.8	..	..	..	..	..	14.7	18.15	..	..	..	..	1.0	..	..	..	Sulphates as sodium sulphate, 10.4 g. p. g. Water suitable for stock use.
340	Victoria Downs, No. 6	Sub.	6 Dec., 1915	111.0	..	..	..	..	..	11.3	65.8	..	..	..	..	42.0	..	..	..	Sulphates as sodium sulphate, 33.5 g. p. g. Suitable for stock use.
341	Victoria Downs, No. 8	Sub.	6 Dec., 1915	220.9	..	..	..	..	..	10.6	77.9	..	..	..	..	100	..	..	..	Sulphates as Na ₂ SO ₄ , 121.0 g. p. g. Suitable for stock use.
342	Bogarella House, Spring "Sandhills"	Spg.	7 Mar., 1916	9.2	..	..	..	..	..	..	3.3	..	..	..	..	2.0	..	..	..	Sulphate SO ₄ , slight trace. Sample evolved strong odour of sulphuretted hydrogen H ₂ S. Suitable for stock.
343	Spring 2 miles S.W. of Carnarvon	Spg.	7 Mar., 1916	48.8	..	..	..	..	..	42.6	3.6	..	..	..	..	45.0	..	..	..	Sulphate SO ₄ , slight trace. Water suitable for stock use.
344	Spring, Basalt Tableland, Carnarvon	Spg.	7 Mar., 1916	28.0	..	..	..	..	..	19.0	2.3	..	..	..	..	18.0	..	..	..	Sulphate SO ₄ , slight trace. Suitable for stock use.
345	Spring, Spring Gully, Carnarvon	Spg.	7 Mar., 1916	37.8	..	..	..	..	..	31.0	3.6	..	..	..	..	35.0	..	..	..	Sulphate SO ₄ , trace. Suitable for stock use.
346	Spring, Doobogarah Gorge, Carnarvon	Spg.	7 Mar., 1916	15.6	..	..	..	..	..	7.7	3.3	..	..	..	..	3.5	..	..	..	Sulphate, slight trace. Suitable for stock use.
347	Yanalah Spring, Chesterton	Spg.	7 Mar., 1916	47.4	..	..	..	..	..	38.2	6.8	..	..	..	..	40.0	..	..	..	Sulphate SO ₄ , slight trace. Suitable for stock use.
348	Bogarella, No. 3	Sub.	7 Mar., 1916	186.0	..	..	..	..	..	10.4	168.6	..	..	..	..	87.0	..	..	..	Sulphate SO ₄ , present in quantity. Suitable for stock use.
349	Bogarella No. 1	Sub.	7 Mar., 1916	28.2	..	..	..	..	..	7.6	5.1	..	..	..	..	2.0	..	..	..	Sulphate SO ₄ , present. Sample contained mineral matter in suspension. Suitable for stock use.
350	Burenda No. 3	*Sub.	19 April, 1916	11.1	..	..	..	..	..	4.4	3.0	..	..	..	..	4.0	..	..	..	* Formerly flowing. Sulphate, Nil. Suitable for stock use.
351	Burenda No. 4	Art.	19 April, 1916	25.1	..	..	..	..	..	14.1	7.3	..	..	..	..	0.5	..	..	..	Sulphate present. Suitable for stock use. Gas Analyses—Carbon dioxide, Nil. Oxygen, 0.3 per cent. Nitrogen, 99.7 per cent.
352	Burenda No. 5	Art.	19 April, 1916	26.3	..	..	..	..	..	16.2	7.4	..	..	..	..	0.5	..	..	..	Sulphate present. Suitable for stock use.
353	Burenda No. 6	Art.	19 April, 1916	17.1	..	..	..	..	..	7.6	6.3	..	..	..	..	2.5	..	..	..	Sulphate present. Suitable for stock.
354	Burenda No. 10	Sub.	19 April, 1916	98.0	..	..	..	..	..	11.0	67.1	..	..	..	..	20.0	..	..	..	Sulphate present in quantity. Suitable for stock use.

WATER ANALYSES—continued.

Reference.	Locality	Source.	Date.	Total Solids.	GRAINS PER GALLON.						PARTS PER MILLION.			Remarks.				
					Suspended Matter.		Iron, Fe ₂ O ₃ (with Alumina).	Carbonates.			Chlorides.				Sulphates, as SO ₄ .	Nitrates, as NO ₃ .	Hardness.	Ammonia.		Oxygen for moist combustion.
Fixed.	Volatile (not CO ₂).	Silica, SiO ₂ .	Calcium, CaCO ₃ .	Magnesium, MgCO ₃ .	Sodium, Na ₂ CO ₃ .	Sodium, NaCl.		Potassium, KCl.	Total Chlorine, Cl.	Free.	Albuminoid.							
355	Redford (No. 1?)	Sub.	19 April, 1916	32.1	..	..	..	..	..	..	..	..	..	..	..	..	..	Sulphate present. Suitable for stock use.
356	Augathella Town	Art.	19 April, 1916	26.2	..	..	..	..	..	..	..	..	..	..	..	..	..	Sulphate present. Suitable for stock use.
357	Patterson's Farm, near Rockhampton, on Fitzroy River	Sub.	4 Sept., 1916	35.8	..	..	14.5	..	..	..	5.1	..	..	..	..	..	..	Permanent turbidity, 3.7 g. p. g. Sulphates as sodium sulphate Na ₂ SO ₄ , 11.0 g. p. g. Suitable for irrigation purposes.
358	Northampton No. 1 (Woolscour)	Art.	11 Dec., 1916	30.4	..	..	..	..	..	..	13.5	..	..	..	..	..	..	Sulphates as sodium sulphate Na ₂ SO ₄ , 0.8 g. p. g. Suitable for stock use.
359	Northampton No. 2	Art.	11 Dec., 1916	26.8	..	..	..	..	..	..	9.3	..	..	..	..	..	..	Sulphates as sodium sulphates Na ₂ SO ₄ , slight trace. Suitable for stock use.
360	Mt. Enniskillen, "Macfarlane Bore"	Art.	11 Dec., 1916	12.6	..	..	..	..	..	..	3.6	..	..	..	..	..	..	Deposit on Miranda and Wooden clamps. Hydrated oxide of iron. Sulphates as sodium sulphate, trace. Suitable for stock use.
361	Mt. Enniskillen "Downs Creek Bore"	Art.	11 Dec., 1916	36.4	..	..	..	..	..	..	17.5	..	..	..	..	..	..	Sulphates as sodium sulphate Na ₂ SO ₄ , 1.3 g. p. g. Suitable for stock use.
362	Mt. Enniskillen "Bottle-tree Bore"	Art.	11 Dec., 1916	36.6	..	..	..	..	..	..	17.8	..	..	..	..	..	..	Sulphates as sodium sulphates Na ₂ SO ₄ , 1.3 g. p. g. Suitable for stock use.
363	Mt. Enniskillen "Cattle Creek Bore"	Art.	11 Dec., 1916	92.4	..	..	..	..	..	..	32.9	..	..	..	..	..	..	Sulphates as sodium sulphate Na ₂ SO ₄ , 34.7 g. p. g. Suitable for stock use.
364	Mt. Enniskillen "Racecourse Bore"	Art.	11 Dec., 1916	18.4	..	..	..	..	..	..	8.3	..	..	..	..	..	..	Sulphates as sodium sulphate, trace. Sample evolved a strong odour of sulphuretted hydrogen H ₂ S. Water suitable for stock use.
365	Mt. Enniskillen "Rocky Bore"	Art.	11 Dec., 1914	9.4	..	..	..	..	..	..	5.0	..	..	..	..	..	..	Sulphates as sodium sulphate Na ₂ SO ₄ , slight trace. Suitable for stock use.
366	Mt. Enniskillen "Lowdon Bore"	Art.	11 Dec., 1916	13.6	..	..	..	..	..	..	5.9	..	..	..	..	..	..	Sulphates as sodium sulphate, slight trace. Suitable for stock use.
367	Mt. Enniskillen "Tichborne Bore"	Art.	11 Dec., 1916	30.4	..	..	..	..	..	..	13.5	..	..	..	..	..	..	Sulphates as sodium sulphate Na ₂ SO ₄ , 0.8 g. p. g. Sample evolved slight odour of sulphuretted hydrogen H ₂ S. Suitable for stock use.
368	Greendale No. 1	Art.	11 Dec., 1916	11.4	..	..	..	..	..	..	3.0	..	..	..	..	..	..	Sulphates as sodium sulphate, slightest trace. Suitable for stock use.
369	Greendale No. 2	Art.	11 Dec., 1916	10.4	..	..	..	..	..	..	3.6	..	..	..	..	..	..	Sulphates as sodium sulphate, trace. Suitable for stock use.
370	Gartmore Bore	Art.	11 Dec., 1916	10.4	..	..	..	..	..	..	3.6	..	..	..	..	..	..	Sulphates as sodium sulphate Na ₂ SO ₄ , 1.3 g. p. g. Suitable for stock use.
371	Minnie Downs No. 4, "Bottle Tree"	Art.	11 Dec., 1916	25.2	..	..	..	..	..	..	8.9	..	..	..	..	..	..	Sulphates as sodium sulphate Na ₂ SO ₄ , 2.4 g. p. g. Suitable for stock use. Formerly No. 1 Bore.
372	Minnie Downs No. 6, "Boggy Creek Bore"	Art.	11 Dec., 1916	12.4	..	..	..	..	..	..	3.6	..	..	..	..	..	..	Sulphates as sodium sulphate, 0.6 g. p. g. Suitable for stock use. Formerly No. 2 Bore.

WATER ANALYSES—continued.

Reference	Locality	Source	Date	GRAINS PER GALLON.										PARTS PER MILLION.			Remarks.				
				Total Solids.	Suspended Matter.		Silica, SiO ₂	Iron, Fe ₂ O ₃ (with Alumina).	Carbonates.			Chlorides.			Sulphates, as SO ₄	Nitrates, as NO ₃		Hardness.	Ammonia.	Oxygen for moist combustion.	
				Fixed.	Volatile (not CO ₂).			CaCO ₃	Magnesium, MgCO ₃	Sodium, Na ₂ CO ₃	Sodium, NaCl.	Potassium, KCl.	Total Chloride, Cl.				Free.	Albuminoid.			
373	Blackall Town Supply	Art.	11 Dec., 1916	..	..	..	..	..	..	11.7	5.3	..	..	..	..	..	..	..	..	..	Sulphates as sodium sulphate Na ₂ SO ₄ , trace. Sample evolved a slight odour of sulphuretted hydrogen, H ₂ S. Suitable for stock use.
374	Trakee, H. R. Brown's Selection, Mt. Enniskillen Resumption	Sub.	11 Dec., 1916	..	..	..	..	..	..	4.5	6.9	..	..	..	..	..	..	..	..	..	Sulphates as sodium sulphate Na ₂ SO ₄ , trace. Water suitable for stock.
375	Windeyer Ck. Bore, Mt. Enniskillen	Art.	11 Dec., 1916	..	..	..	..	..	..	6.2	5.6	..	..	..	..	..	..	..	..	..	Sulphates as sodium sulphate, slightest trace. Suitable for stock use.
376	Middle Park Trust Bore, nr. Blackall	Art.	11 Dec., 1916	..	..	..	..	..	..	12.3	5.6	..	..	..	..	..	..	..	..	..	Sulphates as sodium sulphate Na ₂ SO ₄ , trace. Suitable for stock use.
377	Mitchell, Dr. Clarkson's	Sub.	?	..	33.6	..	..	..	..	..	..	..	14.0	..	..	..	..	..	..	..	Hardness—Temporary 8.4, permanent 21.7. Water of medium hardness, suitable for domestic and irrigation purposes.
378	Mitchell, W. Deane's	Sub.	?	..	7.28	..	..	..	..	..	..	..	13.44	..	..	..	..	..	..	..	Hardness—Temporary 10.5, permanent 15.05. Water suitable for domestic and irrigation purposes.
379	Tara Town (Upper Supply)	Sub.	31 July, 1916	..	..	..	..	2.5	..	..	1.120	..	..	..	..	..	..	..	..	..	Sulphates (SO ₄) present. Water contains too much salt to be suitable for stock.
380	Tara Town (Lower Supply)	Sub.	26 Feb., 1917	..	..	..	..	7.3	..	..	71.5	..	..	..	..	..	..	..	..	..	Solids—In suspension 1,920 g. P. g., in solution 719 g. P. g. Sulphates (Na ₂ SO ₄) nil. Water too saline to be suitable for domestic, stock, and steam-raising purposes.
381	Angellala Bore	..	14 Mar., 1916	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Gas Analysis.—Carbon dioxide 4.0%; oxygen, 11.6%; nitrogen, &c., by difference, 84.4.
382	Enoggera Bore, Mt. Cornish, Incrustation	..	2 Sept., 1913	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Moisture at 105° C, 3.5%. Loss on ignition, 6.2%; silica (SiO ₂), 8.0%; iron (as Fe ₂ O ₃), and alumina (as Al ₂ O ₃), 80.0%; lime (CaO), trace; magnesia (MgO), trace.
383	Yan Yean Bore, Bowen Downs—Incrustation	..	2 Sept., 1913	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Moisture at 105° C, 8.7%. Loss on ignition, 11.8%; silica (SiO ₂), 9.1%; iron (as Fe ₂ O ₃), and alumina (as Al ₂ O ₃), 69.0%; lime (CaO), 0.4%; magnesia (MgO), trace.
384	Bowen Downs No. 12—Incrustation	..	5 Jan., 1914	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Moisture at 105° C, 11.4%; organic matter (principally oil), 64.2%; silica (SiO ₂), 2.6%; iron (Fe ₂ O ₃), and alumina (Al ₂ O ₃), 18.9%. Total, 97.1%.
385	Bonnie Downs No. 1—Incrustation	..	23 July, 1915	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Sample, sodium chloride containing traces of calcium and magnesium chlorides. No carbonates or sulphates are present.
386	Dudley Park, Aramac—Water Deposit	..	2 July, 1912	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Ferric sulphate, Fe ₂ (SO ₄) ₃ , 61.0%; ferrous sulphate, FeSO ₄ , 12.7%; sulphuric acid H ₂ SO ₄ , 2.0%; silica SiO ₂ , 1.3%; loss on ignition (H ₂ O, &c., less SO ₂), 23.0%.

1917.

REFERENCE INDEX TO TABLES OF BORES, PERENNIAL SPRINGS, AND WATER ANALYSIS.

The numbers refer to the *reference numbers* in the Tables, *not to the pages*.Arabic numerals followed by letter *s* refer to the Table of Perennial Springs.Arabic numerals followed by letter *a*, and large capital letters A to Y, refer to Table of Analysis.

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