#### STATE RIVERS AND WATER SUPPLY COMMISSION.

# TENTH ANNUAL REPORT.

1914-15.

PRESENTED TO BOTH HOUSES OF PARLIAMENT PURSUANT TO THE PROVISIONS OF THE WATER ACT 1915.

Sy Anthority:

ALBERT J. MULLETT, GOVERNMENT PRINTER, MELBOURNE.

#### THE GREAT WAR.

#### ROLL OF HONOUR.

Thirty members of the Commission's Staff enlisted for Active Service in defence of the Empire. They have been granted leave of absence till the end of the war, and meanwhile their interests will be safeguarded in every possible way.

As a mark of appreciation a Roll of Honour has been designed and provided by the Commissioners and the Staff. This was formally established by the Hon. Wm. Hutchinson, Minister of Water Supply, at the Head Office, Melbourne. The following names now appear on the Roll:—

	$\mathbf{r}$	McCONCHIE.	
Α.	n.	MICCULING HILE.	

D. T. CURDIE.

C. D. COWAN.

C. GALLOP.

A. McCOLL.

C. E. D'ALTON.

J. O'BRYAN.

F. ROGERSON.

C. THOMSEN.

W. LAMBERT.

G. MAXFIELD.

R. G. GREIG.

A. CAMERON.

J. G. BURNELL.R. B. BENNETT.

A. F. J. HARRISON.

V. G. COADY.

G. E. IREDALE.

J. FLEMING.

W. F. NEVILL.

L. V. BROWN.

F. R. LUCAS.

J. F. McKELLAR.

W. MURCOTT.

L. G. MERKEL.

C. F. THOMSEN.

G. CAMERON.

L. J. SCOTT.

L. T. KEEP.

G. FOGARTY.

With deep regret it has to be announced that the undermentioned have been killed in action:-

C. E. D'ALTON.

J. O'BRYAN.

#### STATE RIVERS AND WATER SUPPLY COMMISSION.

#### ANNUAL REPORT, 1914-15.

In compliance with the provisions of the Water Act 1915, the State Rivers and Water Supply Commission submits the following Report and Statement for the Financial Year 1914–15, and Estimates for the ensuing year.

Since the last Report was submitted, there has been a change in the Commission's membership. In May last, Mr. Elwood Mead, who had been Chairman since November, 1907, resigned, as he had accepted the position of Chairman of the Supreme Court of Review for Federal Irrigation Projects under the Government of the United States of America. Mr. Commissioner Wm. Cattanach has been appointed Chairman of the Commission, and the vacancy in membership was filled by the appointment of Mr. E. Shaw, C.E.

#### WORKS UNDER CONTROL OF COMMISSION.

The following statement gives a brief description, summary of cost, and other particulars relative to the undermentioned works controlled by the Commission.

#### A.—FREE HEAD-WORKS.

DES	CRIPTION OF W	70RKS.			30th June, 1915. Exclusive of cost of Loan Flotation.		
1. Broken River Works: —Casey's to the Broken Creek; Gowan	gardie Weir wi	ith offtake sli	uice		£ 14,853		
2. Goulburn River Works: —Weir of son: channel therefrom, about					735,682		
3. Kerang North-West Lakes Wor with the Pyramid Creek; regu Sheepwash and Washpen Cree Reedy Lake, Middle Lake, Th	son; channel therefrom, about 23½ miles, to Waranga Reservoir; and that Reservoir.  Kerang North-West Lakes Works:—Weir on the Loddon River at its confluence with the Pyramid Creek; regulating weirs at the effluence from the Loddon of the Sheepwash and Washpen Creeks; channel from the Washpen Creek regulator to Reedy Lake, Middle Lake, Third Lake, Lake Charm, Race-course Lake, Cullen's Lake, Kangaroo Lake, and Lake Tutchewop, and to the Little Murray River, with						
4. Kow Swamp Works:—Intake fr of the Gunbower Creek; chan Reservoir; channel along the outlet of the reservoir, about	om the Murray inel thence to t e northern side	the Kow Swa e of the resea	amp Reservo rvoir; cham	ir, and that nel from the	9,587 187,084		
5. Lake Lonsdale Reservoir:—Res							
River, near Ledcourt  6. Loddon River Works:—Laaned	oorie Weir, or	the Loddon	ı; Bridgewa	ter Weir, on	49,054		
the Loddon; Kinypanial Wei 7. Long Lake Pumping Works:— River; water storage work connecting these lakes; pum about 7 miles to allotment 10	Inlet to Lake Barring plant at	ke Baker, fr aker and Lo Long Lake,	ong Lake, w with rising	ith channel main thence	167, <b>3</b> 79		
channels, about 85 miles in le 8. Lower Wimmera Compensation allotment 29, parish of Long Dimboola township; Antwer	ength <b>Works:</b> —Drui erenong; Din	ng Drung We nboola Weir,	ir, on the Wi on the Wi		27,346		
stead; Jeparit Weir, on the	Wimmera, nea				8,558		
$\operatorname{Total}$			••		£1,199,543		
Distributary Works within I	Total Capital Expenditure.	Capital Written Off by Acts 1625 and 1651.	Redemption Paid to Treasury.	Capital Debit at 30th June, 1915.			
	£	£	£	£			
1. Birchip	208,783	700	1,885	206,198			
5. Carwarp	4,293			4,293			
6. Coliban 7. Karkarooc	1,223,333 84,983		1,943	1,223,333 83,040			
8. Kerang North-west Lakes			1,010				
(Free Headworks excluded) 9. Long Lake (Free Head-	2,106	••		2,106			
works excluded)	41,937		421	41,516			
10. Ouyen	1,062	• •		1,062			
11. Tyntynder	37,402	••	i	37,40 <b>2</b>			
12. Walpeup East	3,390			3,390			
13. Walpeup West 14. Western Wimmera	2,321	132,835	13,316	$\begin{array}{c c} 2,321 \\ 100,728 \end{array}$			
15 Winner Tinital	246,879 183,692	36,392	11,064	136,236			
16. Wonthaggi	62,561		1,037	61,524			
Wimmera Main Channels \ Amounts	92,795			92,795			
Wimmera Storages————————————————————————————————————							
Black Swampdebited to Taylor's Lake Districts	16,199			16,199			
White Comme benefited.	$2,424 \\ 3,284$	••	••	$2,424 \ 3,284$			
willtion Swamp					0.647.57		
-	2,217,444	169,927	29,666	2,017,851	2,017,851		

Capital Debit at

£4,957,163

#### Gapital Debit at 30th June, 1915, Exclusive of Cost of Loan Flotation. Works under Control of Commission—continued. £ 3,217,394 Brought forward C.—IRRIGATION AND WATER SUPPLY DISTRICTS. Distributary Works within Districts under the control of the Commission. Capital written off by Acts 1625 and 1651. Redemption paid to Treasury. Capital Debit at 30th June, Name of District (Including Urban Divisions). Total Capital Expenditure. £ £. 8,906 493 54,616 1. Bacchus Marsh 45,217 54,739 35,259394 19,086 **2.** Boort ... . . ٠. 305 52,685 62,7153. Campaspe 9,725 . . 4. Cohuna ... 120,998 49,197 371 71,430 . . . . 34,748 93,646 2,144 56,754 5. Deakin ... . . 12,272 6. Dingee ... 12,272 . . 686 299 1,704 719 7. Dry Lake . . 79,971 33,179 180 8. Gannawarra 46,612 9. Kerang .. 83,908 35,338 **7**10 47,860 . . 108,397 30,872 1,475 76,050 10. Koondrook . . 65,964 11. Merbein ... 65,964 12. Nyah 22,466 22,466 . . . . . . 109,121 109,121 13. Rochester . . 149,949 6,015 360,639 204,675 14. Rodney ... . . 15. Shepparton 44,918 44,918 . . 306 52,913 19,799 32,808 16. Swan Hill . . 17. Tongala . . 59,029 59,029 . . 124,534 444 18. Tragowel Plains ... 184,511 59,533 575,152 1,572,527 13,136 984,239 984,239 D.—IRRIGATION AND WATER SUPPLY DISTRICTS-WORKS. MAIN SUPPLY Cost to be Apportioned to Districts benefited on the Basis of Water Allotment. Main 1. Goulburn Tentative Debits to Districts, 1914-1915-Channels (Free Rodney £120,000 exclu-Headworks Tragowel Plains 100,000 ded) . . Rochester East Goulburn 74;000 . . . . ٠. 129,622 Waranga Reservoir Tongala 67,000 ٠. ٠. ٠. Shepparton 57,000 to Campaspe ... ٠. . . . . 241,275Deakin Campaspe to Ser-24,000 . . pentine Dingee 15,000 193,807 Main Distributary £457,000 Channels 18,533 583,237 Storages 2. Goulburn $\mathbf{Headworks}$ (Free H excluded)-28,407 Sugarloaf Reservoir Waranga Reservoir 7,867 Enlargement .. 36,274 3. Pyke's CreekWerribee and Scheme-Pyke's Creek Reser-**63,**198 voir WeirDiverting Bacchus Marsh £55,000 and Distributary Works, Werribee 46,905 Melton Reservoir 25,4**4**1 Lerderderg River Works475 136,019

Carried forward

Works	UNDER	CONTROL	OF	COMMISSION-	-continued.

Gapital Debit at 30th June, 1915. Exclusive of Cost of Loan Flotation.

Brought forward

4,957,163

#### E.—WATERWORKS TRUSTS DISTRICTS.

DISTRICTS HELD IN TRUST BY THE COMMISSION.

Name of Trust.	Total Advances by State.	Capital written off by Acts 1625 and 1651.	Redemption paid to Treasury.	Capital Debit at 30th June, 1915.
1. Avoca Water Trust—	£	£	£	£
Rural District	8,709	2,494	809	5,406
Urban District (Quambatook)	3,773		<b>2</b> 9	3,744
2. Carrum Waterworks Trust	25,732	7,732	1,629	16,371
3. Loddon United Waterworks Trust	21,234	1,717	1,797	17,720
	<b>59,44</b> 8	11,943	$4,\!264$	43,241

Grand Total

...£ 4,957,163

#### LANDS SUPPLIED WITH WATER WITHIN THE STATE.

The area of country lands within the State artificially supplied with water for domestic and ordinary use and for watering stock is, approximately, 20,812 square miles, equal to about 13,320,000 acres. The extent of land under irrigated culture, for all kinds of crop, is 324,345 acres, an increase of 7,058 acres over the area irrigated in the previous year. The area irrigated includes about 17,000 acres, watered under yearly permits granting authority to divert water from streams throughout the State. The number of separate towns supplied, exclusive of the city of Melbourne and its suburbs, is 152, as shown in the following statement:—

Controlling Authorities.	Number of Town Supplies.	Estimated Population Served.	
Commission Waterworks Trusts Local Governing bodies	 40 95 17	72,000 154,000 69,000	
Totals	 152	295,000	

#### LANDS UNDER IRRIGATED CULTURE.

The two statements herewith show the extent of Areas Irrigated for last year in detail, and for the last five years totalled for comparative purposes.

STATEMENT OF THE EXTENT OF IRRIGATION AND OF AREAS OF DIFFERENT KINDS OF CROPS WATERED—YEAR 1914-15.

							A	rea Irrigate	d (Acres).			
1	Name of	District.			Cereals.	Lucerne grown for Pasture and Hay.	Sorghum and other Annual Fodder Grops.	Pastures.	Vineyards, Orchards, and Gardens.	Fallows.	Miscellaneous.	Total.
Supplied fr	om Go	ilheim Sta	ta Works									
Shepparton	•••	••	••	٠	2,173	5,022	1,357	1,179	1,954	995	75	12,755
Rodney	••	••	• •		22,446	23,294	2,744	20,150	5,938	3,530	414	78,516
Deakin	••	• •	• •	••	8,117	3,432	1,975	4,214	69	847		18,654 $18,130$
Tongala Rochester	••	••	••		3,224 3,500	$6,300 \\ 10,665$	$2,040 \mid 4,791 \mid$	$\begin{array}{c c} 3,030 \\ 4.140 \end{array}$	1,176   939	$\begin{bmatrix} 2,360 \\ 3,831 \end{bmatrix}$	205	28,071
Dingee	••	••	• •	::	454	639	424	771	50	354		2,692
Tragowel Plains				- ::	7,389	1,024	6,205	11,724	25		:: I	26,367
· ·		• • •		-								105.105
Total	15	••	••	••	47,303	50,376	19,536	45,208	10,151	11,917	694	185,185
Supplied from	m Kow	Swamp &	tate Wor	ks.								- 010
Kerang	••	• •	••	••	1,009	797	3,326	2,029	54	59	36	7,310
Dry Lake	 J: ot (	autoida D	 :t	• •	773	1,945	183 108	$\begin{array}{c} 194 \\ 648 \end{array}$	$\frac{2}{8}$	8		$379 \\ 3,490$
Lands supplied	airect (	outside D	istricts)	]		1,945						
Tota	ls	••			1,782	2,742	3,617	2,871	64	67	36	11,179
Supplied	from L	oddon Sta	te Works	. [								
Boort		••	••		1,466	458	431	1,917	26			$4,\!298$
Tota	ls				1,466	458	431	1,917	26			4,298
Supplied fr	om oth	er State V	orks.	- 1								
Bacchus Marsh					34	1,544	74	256	74	96		2,078
Campaspe		••	• •	••	322	296	66	160	21	80		945
Cohuna	• •	• •	••	- • •	3,337	6,644	2,727	8,750	178	516	[	22,152
Gannawarra	••	••	• •		4,989	1,394	4,854	9,065	51	40		20,393
Koondrook Merbein	••	••	• •		5,896 700	$1,181 \\ 430$	2,862	6,916	$151 \mid 3.170 \mid$	179	$\begin{array}{c} 428 \\ 866 \end{array}$	17,613 $5,166$
Nyah	••	••		::	210	78	327	•••	868	230	56	1,769
Swan Hill	••	•••		)	3,062	3.649	818	1,432	53	125	95	9,234
Werribee					72	17	86	19	992			1,186
Western Wimm	era.				40	905			101	30	20	1,096
Tota	ls				18,662	16,138	11,814	26,598	5,659	1,296	1,465	81,632
Supp	lied fro	m other so	urces.									
Kerang North-V			••		3,865	901	2,177	3,604				10,547
First Mildura					552	365	••		11,146			12,063
Coliban			••		176	219	50	253	1,620	88	19	2,425
Kerang—Outsic	le Dist	ricts (Priv	rate Div	ersions)	852	18	134	1,012		•••	•••	2,016
Other private d	iversio	ns throug	hout the	State			Deta	ls not ava	ilable.		15,000	15,000
Gran	nd Tota	als, 1914-	15		74,658	71,217	37,759	81,463	28,666	13,368	17,214	324,345
Gran	nd Tota	ıls, 1913–	14		74,927	55,535	21,374	110,193	26,489	8,536	2,233	317,287
GTAI	1.002	***** TOTO	** ·•	• • •	1 1,021	00,000	21,014	110,190	20,400	0,000	2,200	011,20

#### Comparative Statement of the Extent of Irrigation, 1910-11 to 1914-15.

	- 1	Area Irrigated (Acres).							
		1910-11.	1911–12.	1912–13.	1913–14.	1914-15.			
Goulburn State Works		28,849	76,740	96,800	136,303	185,185			
Kow Swamp State Works		23,650	17,395	30,454	34,409	11,179			
Loddon State Works	\	26,862	21,483	18,885	14,336	4,298			
Other State Works	]	41,896	67,042	59,374	80,457	81,632			
Kerang North-West Lakes		3,496	13,543	4,546	12,020	10,547			
First Mildura Trust Works		12,000	11.379	12,209	12.037	12,063			
Coliban State Works	]	3,160	2,937	3,632	3,745	2,425			
Private Works in Kerang District		2,944	4,814	5,083	5,980	2,016			
Other Private Works throughout the Sta	te	11,000	14,500	19,000	18,000	15,000			
Totals		153,857	229,833	249,983	317,287	324,345			

#### VALUATIONS, RATES, AND COMPULSORY IRRIGATION CHARGES.

The statements which follow set forth the whole of the districts supplied by the Commission with water for domestic and ordinary use and for watering cattle or other stock, together with the annual value of the lands and tenements in such districts and the rates and compulsory irrigation charges made. An estimate of the number of persons dwelling in such districts is also appended.

During the year rates were, for the first time, made in the newly constituted Urban Districts of Kaneira, Nyah, and Werribee; while the Gannawarra and Gannawarra West Irrigation and Water Supply Districts were amalgamated and a compulsory irrigation charge was levied on the combined areas. Previously this charge was only levied on the original Gannawarra portion.

In twenty-three districts the lands were, for the purpose of making and levying rates, arranged in divisions (not more than three in number) in accordance with the relative benefits derived by such lands from the works.

In thirteen districts the Commission made and levied compulsory irrigation charges, details of which are set out hereunder.

#### A.—VALUATIONS AND RATES.

Districts Supplied with Wastor Domestic and Ordinar Use and for Watering Caror or other Stock.	7	Annual Value of Lands and Tenements.	Rate in the £ made during year ended 30th June, 1915.	Period of Rate.	Estimated Number of Persons dwelling in District.
	-				
			·		
	IR	RIGATION	AND WATER SUPPLY DIST	TRICTS.	
		Valuation by Commission.	s. d.		
1. BACCHUS MARSH	••	11,111	1 0   1st Ju	ly, 1914, to 30th	650
2. Boort		15,464	1st Division 2 0 ,	,, ,,	720
			2nd Division . 1 0 ,	" "	
3. Campaspe	••	9,857	1st Division 1 8 ,	"	470
		ļ	2nd Division 0 10   ,, 3rd Division 0 5	" "	
4. 0		16,750	1st Division 2 0	"	972
4. Cohuna	••	10,750	2nd Division 1 0	,, ,,	314
5. Deakin		71,908	1st Division 1 6	,, ,,	4,050
5. DEAKIN	• •	12,000	2nd Division 0 9	,, ,,	1,000
			3rd Division 0 4½ ,,	" "	
6. DINGEE		2,587	1 0 ,	" "	200
7. DRY LAKE		250	(No rate made)		11
8. GANNAWARRA		10,835		ly, 1914, to 30th	526
				, 1915	
			2nd Division 1 0   ,,	"	
9. Kerang		17,637	1st Division 2 6 ,	"	805
			2nd Division 1 3 ,	"	
		11.00	3rd Division 0 7½ ,,	"	
10. Koondrook	••	11,285	1st Division 2 0 ,	"	529
<b></b>		1 697	2nd Division 1 0 ,	"	950
11. MERBEIN	••	1,637 859		"	300
12. Nyah	••	40,755	1st Division 1 0	"	2,650
13. Rochester	••	40,700	2nd Division 0 6	"	2,000
			3rd Division 0 3	"	
14 Donaymy		142,973	1st Division 1 0	" "	4,550
14. Rodney	••	112,010	2nd Division 0 6	" "	1,000
			3rd Division 0 3	,, ,,	
15. SHEPPARTON	٠.	14,780	1 0	" "	958
16. SWAN HILL	• •	6,645	2 0   ",	" "	500
17. Tongala	••	13,684	1 0   ",	" "	1,240
18. TRAGOWEL PLAINS		32,818	1st Division 1 0 ,	"	1,000
			2nd Division 0 6		

#### A .- VALUATIONS AND RATES-continued.

Districts Supplied with Wa for Domestic and Ordinar Use and for Watering Catt or other Stock.	y	Annual Value of Lands and Tenements.	Rate in the during yea 30th June	r or	ded		Period of Rat	te.	Estimated Number of Persons dwelling in District.
		W A	ı ATERWORKS	<b>g</b> 1	DIS	ן נ <b>פ</b> רץ	CTS.	:	
		Valuation by			DIK,	1 161			l
		Commission.			s.	d.			
19. AXE CREEK		1,277	• •	• •	2	0		to 30th	220
20. Вікснір		29,009	1st Division		<b>2</b>	0	June, 1915	,,	2,350
			2nd Division		1	0	,, ,,	,,	_,,
21. HARCOURT		5,527	3rd Division	• • •	$0 \\ 1$	$\frac{6}{6}$	,, ,,	,,	550
22. KARKAROOC	• •	79,857	1st Division		1	6	,, ,,	,,	3,000
			2nd Division 3rd Division		0	$\frac{9}{4\frac{1}{3}}$	,, ,,	,,	
23. KERANG NORTH-W	EST	6,078	1st Division		1	0	" "	,,	263
Lakes 24. Long Lake		41,823	2nd Division		0	6	,, ,,	,,	
24. LONG LIAKE	• •	41,020	1st Division 2nd Division		$\frac{z}{1}$	$\frac{6}{3}$	,, ,,	,, ,,	1,700
or a T			3rd Division		0	$7\frac{1}{2}$	,, ,,	,,	
25. Sea Lake	••	52,552	1st Division 2nd Division		2 1	0	,, ,,	,,	2,000
			3rd Division		ō	$\overset{\circ}{6}$	,, ,,	,,	
26. TYNTYNDER	• •	17,052	1st Division		2	9	,, ,,	,,	1,000
			2nd Division 3rd Division		0	$\frac{4\frac{1}{2}}{8\frac{1}{4}}$	" "	,,	
27. Tyrrell		33,794	1st Division	٠.	2	6	,, ,,	,,	2,050
			2nd Division 3rd Division		1	$rac{3}{7rac{1}{2}}$	,, ,,	,,	
28. WALPEUP EAST		30,741	1st Division		0	$5^{\frac{7}{2}}$	,, ,,	,,	1,500
29. WALPEUP WEST		45 000	2nd Division		0	$2\frac{1}{2}$	" "	,,	
23. WALPEUP WEST	••	45,082	1st Division 2nd Division		0	$f{2}$	,, ,,	,,	2,500
30. Western Wimmer	٠	240,362	1st Division		1	0	,, ,,	,,	10,000
			2nd Division 3rd Division		$0 \\ 0$	$\frac{6}{3}$	,, ,,	,,	
31. WIMMERA UNITED	٠.	<b>255,58</b> 8	1st Division		1	0	,, ,,	,,	8,720
			2nd Division		0	6	,, ,,	,,	-,
32. WYCHEPROOF		44,517	3rd Division 1st Division		$\frac{0}{2}$	$\frac{3}{0}$	,, ,,	,,	2,090
		, ,	2nd Division	a	1	0	" "	,, ,,	2,000
			3rd Division			6	,, ,,	,,	
			DIVISIONS	<b>A</b>	ND	DI	STRICTS.		
		Municipal Valuation.							
33. BACCHUS MARSH		£ 7 550			8.	d.	1.4 T 1 1014		
35. DACCHUS MARSH	••	7,559		• •	1	6	1st July, 1914, June, 1915	to 30th	1,600
34. BERRIWILLOCK		536			4	0	,, ,,	,,	105
<b>35</b> . Beulah 36. Birchip	••	3,649 5,692	•••	••	$rac{2}{2}$	9 6	,, ,,	,,	<b>55</b> 0
37. Cohuna	• • •	1,916		• • •	$\frac{2}{3}$	6	,, ,,	"	$\begin{array}{c} 880 \\ 411 \end{array}$
38. COROP		400			2	0	" "	,,	90
39. DIMBOOLA 40. HOPETOUN	• •	6,430 2,931		• •	$rac{1}{2}$	9 9	" "	,,	1,000
41. JEPARIT		3,716	::	• •	$\frac{2}{2}$	6	,, ,,	"	450 500
42. KANEIRA		531			4	0	,, ,,	"	130
43. Koondrook	• •	2,366	•••	٠.	0	0	,, ,,	,,	450
44. LAKE BOGA 45. MINYIP	• •	1,332 $3,057$		• •	$\frac{3}{3}$	0	,, ,,	,,	270
46. NATIMUK	• • •	2,496			1	6	,, ,,	"	650 <b>420</b>
47. МУАН	••	253			<b>2</b>	6	,, ,,	,,	50
48. RAINBOW 49. RUPANYUP	• •	6,201		• •	2	3	,, ,,	,,	850
49. RUPANYUP 50. SEA LAKE	• •	$2,111 \\ 2,836$		• •	$\frac{3}{3}$	$0 \\ 0$	" "	,,	450 500
51. ULTIMA		2,029			3	ŏ	,, ,,	"	250
52. WATCHEM	• •	1,120		• •	3	6	,, ,,	,,	180
53. WERRIBEE	• •	6,661		• •	1	0	1st January, 1915 June, 1915	, to 30th	1,800
54. Wonthaggi		17,448			1	9	1st July, 1914, June, 1915	to 30th	4,700
55. WOOMELANG	••	2,572			3	0	,, ,,	,,	400
56. WYCHEPROOF	••	3,365	••	• •	2	6	,, ,,	,,	680

#### A .- VALUATIONS AND RATES-continued.

Districts Supplied with Water for Domestic and Ordinary Use and for Watering Cattle or other Stock.	Annual Value of Lands and Tenements.	Rate in the £ madeduring year ended 30th June, 1915.		Period of	Rate.	Estimated Number of Persons dwelling in District.
	<b>M</b> unicipal	COLIBAN SYST	ЕМ.		1	
57. Colib <b>a</b> n	Valuation. £ 316,189	On Valuation up to £300 1 (Minimum 20s.) From £301 up to £700 1 From £701 on 1 Vacant lands 1		1st July, 1914 June, 1915	, to 30th	65,000
'	W	ATERWORKS TE	us:	rs.		•
58. Avoca	<b>£</b> 30,053	8.	$rac{d.}{4rac{1}{2}}$	1st January, 19 December, 19	15, to 31st	1,300
59. CARRUM	20,307	1st Division 4 2nd Division 1 3rd Division 0 4th Division 0	0 6 3 4	,, ,,	,,	800
60. Quambatook (Urban)	2,294 Valuation by Commission.	5th Division 2 3	0 3	,, ,,	,,	300
61. Loddon United	93,845	1st Division 0 2nd Division 0 3rd Division 0	$\begin{matrix} 8 \\ 4 \\ 2 \end{matrix}$	,, ,,	,,	2,600

#### B.—COMPULSORY IRRIGATION CHARGES.

Irrigation and Water Supply District.	Area of District in Acres.	Area at present Irrigable in Acres.	Water Rights apportioned (including extra Rights) in Acre-feet.	Compulsory Charge per Acre-foot of Water Right.	Period of Charge.
1. Bacchus Marsh	6,624	3,293	3,293	20s.	1st October, 1914, to 30th April, 1915
2. Cohuna	35,043	22,755	22,755	5s.	1st September, 1914, to 30th April, 1915
3. Dingee	4,895	4,538	2,262	6s	1st September, 1914, to 30th April, 1915
4. Gannawarra	44,157	16,563	16,563	5s.	1st September, 1914, to 30th April, 1915
5. Koondrook	52,781	13,825	13,825	5s.	1st September, 1914, to 30th April, 1915.
6. Merbein	5,862	5,284	13,168	15s.	1st August, 1914, to 30th April, 1915
7. NYAH	2,907	2,313	5,753	14s.	1st August, 1914, to 30th April, 1915
8. Rochester	119,367	25,410	25,410	5s.	1st October, 1914, to 30th April, 1915
9. Rodney	265,370	182,561	47,703	5s.	1st October, 1914, to 30th April, 1915
10. Shepparton	18,764	16,762	16,762	5s.	1st October, 1914, to 30th April, 1915
11. SWAN HILL	13,546	11,073	11,073	5s.	1st September, 1914, to 30th April, 1915
12. Tongala	22,300	16,600	16,600	5s.	1st October, 1914, to 30th April, 1915
13. TRAGOWEL PLAINS	180,223	<b>122,</b> 193	24,442	6s.	1st September, 1914, to 30th April, 1915

#### CONTRACTS.

### STATEMENT OF CONTRACTS ENTERED INTO DURING THE YEAR ENDED 30TH JUNE, 1915.

No.	Name of Contractor.	Work or Supply.	Amount (Loan and Vote).
			£ s. d.
1348	W. Mathers	Storage Tanks, Yaapeet	£ 8. d. 514 14 7
1349	Geo. C. Waites	Portion Drainage Channel, No. 4, Cohuna	238 2 6
1351	Jas. Murray	Firewood, Long Lake	115 13 0
	A. Cannard	Portion Donald Main Channel	106 19 4
1356	A. Cannard	Portion Donald Main Channel	102 11 0
1357	Robt. Gibbon	Portion Donald Main Channel	107 5 9
1361	John Sullivan	Portion Donald Main Channel	120 0 0
1362	H. W. L. Tucker	Portion Donald Main Channel	221 0 10
1366	W. Glover	Tank, Parish of Kia	58 6 8
1368	H. Walker	Firewood, Merbein	$621 \ 16 \ 3$
1369	M. R. Brooks	Firewood, Merbein	193 2 6
	Janet Krake	Firewood, Merbein	300 0 0
	J. Spellacy	Firewood, Merbein	468 0 0
	Australian Portland Cement Co.	1,000 casks cement	575 0 <b>0</b>
	A. C. McLean	Tank, Ouyen Township	1,022 18 4
	J. P. Manning	Cleaning Dam, Parish of Pallarang	83 6 8
1377		Steel Roof Trusses, Merbein	122 4 6
	W. G. Spencer	Firewood, Koondrook	109 5 6
	James Day	Windmills, Tanks, &c., Goulburn-Waranga	184 16 9
	Rubicon Lumber and Tramway Co.	Timber, Sugarloaf Reservoir	160 0 0
	Clark, Kidd and Co.	Timber, Sugarloaf, Reservoir	116 0 0
	Australian Portland Cement Co.	3,000 casks cement	1,725 0 0
1386		Portion Embankment, Black Swamp Storage	1,570 8 4
	W. Mathers	Portion Embankment, Black Swamp Storage	2,075 0 0
	F. Clifford	Portion Embankment, Black Swamp Storage	1,038 2 10
	A. C. McLean	Portion Embankment, Black Swamp Storage	$\begin{bmatrix} 558 & 11 & 10 \\ 52 & 1 & 9 \end{bmatrix}$
	Mary Janet Horkings T. Church	Cartage of Cement, Melton Dam	$\begin{bmatrix} & 52 & 1 & 9 \\ & 139 & 1 & 4 \end{bmatrix}$
1391	W. A. Arnold and E. Cockayne	Firewood, Cohuna Firewood, Cohuna	133 12 0
	F. Nancarrow and C. Jorgensen.	T2'	329 6 8
1394		Windows and Management and a service	312 3 5
1395		Firewood, Torrumbarry	459 13 6
1396	O M	Firewood, Cohuna	155 3 3
1397		Firewood, Nyah	368 15 0
1398		Firewood, Cohuna	692 11 0
1399		Firewood, Koondrook	245 16 8
1400		Firewood, Koondrook	128 6 6
1401	Norman Gilmore	Firewood, Koondrook	237 0 6
	Ernest Greenway	Firewood, Koondrook	125 7 6
1403		Firewood, Cohuna	$219 \ 16 \ 2$
	W. Kervin and E. O. Heine	Firewood, Cohuna	411 4 2
	W. W. Moore & Sons Pty. Ltd	Three timber quarters, &c., Rochester	976 16 6
1406		Centrifugal Pump, Carwarp	62 0 0
1407		20 Pivoted gates, Regulator, Little Murray River	170 0 0
1408	Mephan Ferguson Pty. Ltd	Cast Iron Pipes, Cohuna	50 8 11
	Mephan Ferguson Pty. Ltd	Steel pipes, Maldon Water Supply	2,962 10 0
1410	Australian Portland Cement Co.	6,000 casks cement	3,450 0 0
1411		Drainage Channels, Shepparton	320 10 0
1412	Richard Chamings	Portion Embankment, Whitton's Swamp Storage	242 18 11
		Carried forward	24,753 10 11

#### Contracts entered into during the Year Ended 30th June, 1915—continued.

No.	Name of Contractor.	Work or Supply.	(Loan and Vote).		
		Brought forward	£ s. 6 24,753 10 1		
413	John O'Donnell		316 13		
414	J. Torney		299 4		
$rac{415}{416}$	W. Taylor John O'Donnell	D 4' TO 1 L 4 3071'44 2 G C4	$\begin{bmatrix} 275 & 18 \\ 287 & 14 & 1 \end{bmatrix}$		
$\frac{110}{417}$	W. H. Byron and Stephen Temple		278 14		
<b>1</b> 18	Jas. J. Gibson	. Portion Embankment, Whitton's Swamp Storage	285 15		
419	W. Taylor		302 9		
$\frac{120}{421}$	L. Tuana		575 17 1,781 17		
122	The Australian Wood Pipe Co. Ltd		5,827 14		
	Jno. F. Newton	. Portion Embankment, Whitton's Swamp Storage	280 7		
124	Jno. F. Newton	Portion Embankment, Whitton's Swamp Storage	280 16		
$egin{array}{c} 425 \ 427 \end{array}$	W. W. Moore and Sons Pty. Ltd Cowley's Eureka Ironworks Pty	Two timber quarters for Channel Guards, Cohuna Multitubular Boiler and Superheater, Cohuna	688 13 1,048 19		
128	Janet Krake	172 1 24 1 1	180 17		
<b>12</b> 9	J. Spellacy		267 18		
$\frac{430}{431}$	Starr and McClelland Starr and McClelland		6,566 11		
432	Starr and McClelland	TO 1 TO 1 TO 1 TO 1	$\begin{bmatrix} 5,952 & 0 \\ 5,952 & 0 \end{bmatrix}$		
434	Geo. F. Taylor	Donting Employed Total 2 Tales Changes	1,967 1		
135			2,000 16		
$rac{136}{137}$	A Loomandand II McCann		2,057 1		
138	A. Leonard and H. McCann  A. Leonard and H. McCann  .	Dontin Toul - Invest Donlard Tale Change	2,011 19 2,034 10		
139	A. Leonard and H. McCann .		1,916 9		
140		. Firewood, Castlemaine	106 5		
141	Welch, Perrin and Co		92 10		
$\frac{142}{143}$		Eulemann Wann an Danamain Eulemant	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		
144		E-1	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		
145	Australian Portland Cement Co	6,000 casks cement	4,800 0		
$\frac{446}{447}$	John Wettenen		1,114 0		
	T_1 Wil	Enlargement, Waranga Reservoir Embankment Channel Meter Wheels	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		
	C. M. Runciman	Enlargement, Waranga Reservoir Embankment	1,127 10		
	H. B. Irwin	. Enlargement, Waranga Reservoir Embankment	1,122 10		
ют 452	O M D	<ul> <li>Enlargement, Waranga Reservoir Embankment</li> <li>Enlargement, Waranga Reservoir Embankment</li> </ul>	$1,122  ext{ } 10$ $1,345  ext{ } 0$		
453	Т Тиопо	Enlargement, Waranga Reservoir Embankment	$1,345  0 \\ 1,016  13$		
454	L. Tuana	. Enlargement, Waranga Reservoir Embankment	945 16		
455		. Firewood, Merbein	181 5		
$\frac{456}{457}$		Waitchie Storage Tanks (Sec. No. 1)	$\begin{bmatrix} 220 & 0 \\ 220 & 0 \end{bmatrix}$		
458	F O Wallin	Waitchie Storage Tanks (Sec. No. 2) Firewood, Swan Hill	1,212 10		
159	Jno. M. Harman	. Firewood, Koondrook	118 15		
		Firewood, Kerang	118 15		
	A Do France	Firewood, Kerang	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		
	TT 337-11 1 337 T 1	Firewood, Merbein	850 0		
		.   Firewood, Nyah	475 0		
165 166	W/ N' -1 -1 - 1	Firewood, Nyah	150 0		
	Edward H. Manth	Firewood, Nyah	287 10 516 13		
168	Wm. Kervin and E. O. Heine .	Firewood, Cohuna	100 0		
<b>16</b> 9	Michael Malone	.   Enlargement, Waranga Reservoir Embankment	3,441 13		
	Daniel Malan	Enlargement, Waranga Reservoir Embankment			
171	Dalant Fallows	Enlargement, Waranga Reservoir Embankment	000 0		
	Tr Dubb	Firewood, Cohuna	1 050 0		
474	C O Managel	. Firewood, Cohuna	100 0		

STATEMENT OF CONTRACTS ENTERED INTO DURING THE YEAR ENDED 30TH JUNE, 1915, IN CONNEXION WITH BORING FOR WATER, CONSTRUCTION OF PUBLIC TANKS, AND CLEARING AND FORMING ROADS IN THE MALLEE. THESE WORKS ARE BEING CARRIED OUT BY THE COMMISSION, BUT THE EXPENDITURE IS MET BY EITHER THE LANDS DEPARTMENT OR THE PUBLIC WORKS DEPARTMENT.

			I	•		1		
No.	Name of Contrac	tor.		Work or Supply.	Amor (Loan and		te).	
1350 1352 1353 1354 1358 1359 1360 1363 1364 1365 1372 1374 1379 1383 1385 1426 1433	J. E. Mills Murphy Bros. J. Walker			Tank, Larundel Tank, Winnambool Tank, Winnambool Tanks. Nos. 1 and 2, Koimbo Tank, Yallum Tank, Patchewollock North Tank, Wild Dog Reserve, Boorongie Tank, Winnambool Tank, Tempy Tank, Patchewollock Tank, Patchewollock Tank, Patchewollock Tank, North of Manangatang Tank, Woornack Tank, Patchewollock Tank, Yallum North Poulton's and Paradise Tanks, Nypo Banner's Tank, North of Manangatan Boring, Pallarang and Worooa Cleaning out Ouyen Tank		262 68 190 750 187 99 172 228 162 85 127 63 181 212 85	$\begin{array}{c} 0 \\ 6 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 2 \\ 9 \\ 0 \\ 10 \\ 13 \\ 13 \\ 0 \\ 0 \\ \end{array}$	11 0 0
				Total		3965	3	8

#### PIECE-WORK.

In addition to the contracts entered into, a large extent of channel work was carried out as piece-work at current rates in the Cohuna, Rochester, Shepparton, Stanhope, Tongala, Tragowel Plains, Wimmera-Mallee and North-West-Mallee districts. The amount of work carried out under this arrangement was very much increased during the year as it was found that while affording a large measure of relief to small contractors it allowed of expeditious construction of a number of urgent works. The expenditure in this respect amounted to £42,260.

# WORKS CARRIED ON OR COMPLETED DURING THE YEAR ENDED 30th JUNE, 1915.

#### COLIBAN DISTRICT.

The disastrous effects of the drought of 1914–15, which resulted in shortage of supplies in all water storages, was especially felt in connexion with the supply to the Coliban District, and this, together with the growing demand for water for irrigation, was deemed by the Commission to be sufficient warrant for recommending an increase of storage at the head-works of the system. The Government having approved of a proposal to raise the embankment of the Upper Coliban Reservoir, a commencement was made on works by which the depth of water will be increased by 11 feet and the storage capacity by 2,000 million gallons. The estimated cost of the work is £20,000.

The supply to Maldon, which in the past, owing to deterioration of the compound main of 6-in. and 5-in. pipes, has been both inadequate and costly, is now being improved by the provision of a new 8-in. supply main, partly of wood and partly of steel pipes, connected with a pipe head basin on the Specimen Gully Channel, 2 miles south of Harcourt. This will deliver an ample supply by gravitation to all but the highest part of the town, for which special provision will be made. The estimated cost is £15,000.

At Kennington, near Bendigo, the old gold-field reservoir, known as Upper Grassy Flat, is being restored at a cost of £2,000, to assist in supplying local irrigation requirements.

One of the Harcourt races was extended 2 miles at a cost of £350 to irrigate lands not previously supplied, while the Fryerstown race was enlarged at a cost of £250.

Advantage was taken of cessation of flow during the drought to carry out extensive cleaning and repair work throughout the whole channel system.

#### IRRIGATION AND WATER SUPPLY DISTRICTS.

#### RODNEY DISTRICT.

Although many applications for extension of distributaries to unsupplied lands were received, the Commission did not consider it advisable to undertake any large extensions until new storages are provided. When such storages are completed the advisability of supplying portion of the district on a basis of one acre-foot of water to each irrigable acre in lieu of one-fourth of an acre-foot as at present will be considered. Owners of over 50,000 acres have already signified their desire to have their lands so supplied. Work during the year was confined to channel extensions of about 2 miles, remodelling existing channels, and installing new measuring appliances.

#### SHEPPARTON DISTRICT.

Two miles of channels were constructed to supply new subdivisions. This brings the total length of channelling in the district to 68 miles. In addition to the regular maintenance works, some necessary channel lining was done. Preparations are being made for the installation of registering meters where these have not already been provided. Out of the total area of 18,800 acres, some 17,000 acres are now fully commanded by the Commission's channel system, and are therefore subject to the compulsory irrigation charge.

#### SWAN HILL DISTRICT.

In the older portions of the district the usual maintenance works have been effected, while a considerable area on vacant blocks has been graded by teams employed by the Commission and partly sown to lucerne. In Burton's Estate and adjoining lands, embracing an area of 4,000 acres in all, distributary works have been completed, and meters provided for settlers who have recently taken up the closer settlement blocks therein. It is proposed to add this area to the Swan Hill District as from 1st July, 1915.

#### DISTRICTS ADMINISTERED FROM KERANG CENTRE.

In the Koondrook District some channels and structures required in connexion with the estates to be made available for closer settlement were carried out.

In the Kerang District emergency works necessitated by the drought, comprising installation of temporary pumping plants and wooden flume to supply from the Murray River those districts ordinarily dependent on Kow Swamp Storage, were undertaken. These works served to mitigate the effects of the greatest drought yet experienced in the district.

For the Kerang North-west Lakes surveys have been made and estimates prepared for a scheme by which the surface levels of Lake Charm, Race-course Lake, and Kangaroo Lake would be raised.

#### DISTRICTS ADMINISTERED FROM COHUNA CENTRE.

In the Cohuna District 4 miles of main drainage channel were completed, making the total length of such channel now constructed 13 miles. These drainage works have had a marked effect in lowering the level of the underground water throughout the affected area. It is proposed to extend the drainage channel (known as No. 1) in Leitch's Creek for a distance of 3 miles.

An additional boiler has been provided at the pumping station, while the other boilers have been overhauled and reset. The provision of the new boiler will have the effect of minimizing risk of breakdown.

In the Gannawarra District 78 meters have been installed for the measurement of irrigation supplies, and it is proposed to add some 50 more during the coming season.

#### DISTRICTS ADMINISTERED FROM LODDON CENTRE.

In Tragowel Plains District, all old timber flumes have now been replaced by concrete structures. The channel system, which has been undergoing overhaul since the introduction of Goulburn water to the district, is now in such good order that little beyond ordinary maintenance will be required for some years to come. The installation of registering meters throughout the district is practically complete.

In Boort District repairs have been effected to the northern channels, and preparations are being made for some increase of capacity of Lake Boort and also for improvement of the supply to Lake Meering.

In the Dingee District works for distribution of supply are practically complete, and registering meters have been installed for all holdings.

#### DISTRICTS ADMINISTERED FROM ROCHESTER CENTRE.

In the portion of the Rochester District on the west side of the Campaspe, distributary systems have been completed for closer settlement lands near Echuca, and for some 5,000 acres near Tennyson.

On the east side of the Campaspe, surveys and investigations were carried out for channels to convey water when available to such lands as may prove suitable for irrigation in the parish of Echuca North.

A new regulator to improve the supply to the district was constructed in the main western channel at about 46 miles from Waranga Reservoir, and new structures and appliances are being provided at other points on the same channel with a view to securing more accurate measurement of the supply to Rochester and other districts.

Considerable lengths of distributary channel have, where found necessary, been lined with cement mortar.

In Campaspe District the usual maintenance works have been carried out, and preparations have been made for cleaning the western channel at the first opportunity.

#### DISTRICTS ADMINISTERED FROM TONGALA.

In Deakin District repairs have been effected to the Wanalta Weir, a new gate has been put in the sluice way, and check bars to relieve flood waters have been provided in the crest. Maintenance work was heavy owing to an unusual quantity of sand being blown into the channels.

In Stanhope Estate, which is being prepared for closer settlement, the necessary channel system is now approaching completion; the lengths of channels already constructed amount to about 50 miles.

In Tongala District supply channels have been constructed to meet requirements arising out of further subdivision of lands. Some of the old Trust channels have been remodelled and the wooden structures thereon replaced with concrete ones. An unusual amount of maintenance was necessitated by high winds causing erosion of channel banks and filling parts of the channels with drift sand.

#### BACCHUS MARSH DISTRICT AND WERRIBEE SCHEME.

In Bacchus Marsh District  $3\frac{1}{2}$  miles of concrete-lined channel have been constructed, making the system of distributary channels approximately complete for all lands now subject to the compulsory charge. With a view to improving the efficiency of delivery, concrete lining is in progress on some of the old Trust channels.

It is proposed to constitute the area of 5,400 acres at Werribee, which has already been provided with supply channels, an Irrigation and Water Supply District. The Melton Reservoir, with a storage capacity of 10,000 acre-feet, which is to supply this area, is now nearing completion.

The reticulation and other works for the supply of Werribee Township have been completed, and the Urban District proclaimed. Electric power for pumping the water from the service basin to the elevated concrete tank for supply of the township is obtained under agreement from the Werribee Shire Council.

#### MERBEIN DISTRICT.

The irrigation season was notable for the very low flow of the Murray from the middle of December until the middle of May, and as a consequence temporary dams were constructed by the various governing Authorities at Mildura, Curlwa, and Wentworth. For the same reason it was found necessary to construct a similar dam for Merbein. The site selected was about two miles below the pumping station.

The additional pumping unit, particulars of which appear in last Annual Report, was brought into use early in 1915, and proved of great service at the time of maximum demand.

The Commission is extending the work of channel lining wherever it is found necessary, the quantity of such work for the year being very considerable.

#### NYAH DISTRICT.

Despite frequent stoppages in the flow of the Murray at Nyah during the season a fairly efficient service to all irrigated lands was maintained. A temporary dam constructed by the settlers in the river was found to aid pumping operations.

The new work during the year consisted mainly, as at Merbein, of channel lining. Meters have been installed for measurement of the supply to the Tyntynder Waterworks District. Preparations have been made for extensions of channel lining and certain drainage works which will materially improve the area.

#### WATERWORKS DISTRICTS.

#### LONG LAKE DISTRICT.

Operations during the year were confined to short extensions of the channel system totalling some 9 miles. The principal of these was an extension of the Cannie Ridge Channel southwards to connect with a branch to Quambatook town storage, thus enabling a supply of Murray River water to be sent for town requirements. This was rendered necessary by the complete failure, during the drought, of the Avoca River, from which Quambatook draws its supplies.

#### TYNTYNDER DISTRICT.

Good progress was made during the year with the extension of channels to serve the newly-settled areas lying to the west and north, including the high-level channel to the parishes of Coonimur and Burra. Altogether some 75 miles of branch channels were constructed.

A commencement was made with the excavation of a large earthen storage near Waitchie railway station for the supply of the township and adjacent district. The total capacity of this is 31,000 cubic yards, 10,000 cubic yards being in excavation. A windmill supply to the township will, later on, be installed.

#### WIMMERA-MALLEE WATER SUPPLY.

The severe drought conditions which prevailed during the whole of the year strained the water resources very heavily generally throughout the State, but very much less in the Wimmera-Mallee areas than in many other parts, chiefly on account of the extensive and valuable local storages, which had been provided by the Commission at all the district centres to meet such an emergency. Consequently, most Wimmera and Mallee towns had ample supplies for all purposes during last summer. Works of all kinds were vigorously pushed on, a sum of £85,000 having been spent upon them during the year. These works, while necessary in themselves, did much to provide employment for settlers suffering from the effects of the drought. The main supply channel system is now so well advanced that it should be completed early in the coming year. Particular relief will be afforded in the Western Wimmera District by that known as the main western channel, as it will supply, by gravitation, a very large part of the district now watered by pumping from the Wimmera River at Dooen.

Up to the present the only headwork storage for Wimmera waters has been Lake Lonsdale. During the early part of the year there was sufficient water in this storage to give practically the whole of the dependent channel systems their usual annual supply. On account, however, of the continually extending use of Wimmera waters for the supply of new country to the northward, arrangements have been made for further storage provision, ample to meet all possible requirements.

Black Swamp storage, of 17,000 acre-feet, on Fyans Creek, the construction of which was anticipated in the last Report, was substantially advanced during the year. In addition to this, it was decided to provide still further reserve storage at Taylor's Lake in the parish of Drung Drung, near Horsham. The capacity of this storage, the embankment of which was commenced during the year, will be 30,000 acre-feet. It will be filled from the Wimmera River by means of a diversion weir and suitable inlet channel some 6 miles in length, and will, eventually, be connected with almost the whole of the Wimmera-Mallee system of channels. The cost of this storage, diversion weir, and inlet channel will be £50,000. The construction of the works to bring a supply to Taylor's Lake storage will at the same time enable the valuable depressions lying immediately to the west of Taylor's Lake, known as Pine Lake, Green Lake, and Duck Lake, to be brought into use at a comparatively low cost. It is not yet certain to what extent these subsidiary storages could be drawn upon, but it is believed that they can be made to supply at least a further 30,000 acre-feet at a very moderate cost.

The carrying out of these proposals will increase the total available storage for the Wimmera-Mallee system from 45,480 to some 122,000 acre-feet.

The Avon Regulator, referred to in the last Report, has been completed, while the Donald main channel therefrom is now supplying the town storage tanks by gravitation. The new works installed by the Commission on behalf of the local Trust for the supply of Donald are now completed, at a cost of about £6,300. It is proposed to utilize the Donald main channel to supply the country to the east of Lake Buloke and the districts of Corack, Corack East, and Wycheproof. This channel will also be eventually extended north-easterly and northerly to connect with the Avoca-Wycheproof channel, near Wycheproof, and, by further extensions past Quambatook to Goschen, will be linked up with the Long Lake and Tyntynder systems. This extension will thus make the surplus waters of the Wimmera, Richardson, Avon, and Avoca Rivers available for a supply by gravitation to Long Lake and Tyntynder districts.

#### WESTERN WIMMERA AND WIMMERA UNITED DISTRICTS.

The work of remodelling the old channel system in these districts has been continued, and 20 miles of new branch channels, mainly in the Western Wimmera District, have been constructed. In the Wimmera United District the Whitton Swamp storage, holding some 1,300 acre-feet, for the supply of Warracknabeal township and its immediate district, has been completed, with the exception of the inlet channel, which is now in course of construction. The Warracknabeal Waterworks Trust has approved of a new scheme of works designed by the Commission for the supply of the town at an estimated cost of £8,500.

#### BIRCHIP, WYCHEPROOF, SEA LAKE, AND TYRRELL DISTRICTS.

Some 75 miles of branch channels have been made during the year in these districts, chiefly for the service of the newly settled areas in the Tyrrell District. New works for the improvement of Sea Lake town supply have also been completed. These consist of a concrete stand-pipe of 120,000 gallons capacity, an electrically-driven pumping plant, extensions of reticulation, and an embankment round the lake, whereby its depth is increased by 4 feet.

The earthen storage tanks near Manangatang and Cocamba railway stations were completed, and proved of great service during the drought. Surveys are being made for a channel from the Tyrrell west channel, in the parish of Mittyack, to serve the township of Ouyen and that eastern portion of Walpeup Shire which cannot be supplied by water from bores.

#### KARKAROOC DISTRICT.

The channel system in this district was very considerably increased during the year, some 55 miles having been constructed. The large earthen storage at Yaapeet of 170,000 cubic yards capacity was completed, and will be filled during the coming season, thus establishing another very valuable reserve.

A reticulated supply for Lascelles township was installed. The works, which cost £1,300, comprise a concrete stand-pipe of 90,000 gallons capacity, two 20-feet diameter wind-mills, and usual pipe mains.

#### NORTHERN MALLEE WATER SUPPLY.

Northern Mallee areas this year have, in common with the rest of the State, suffered very severely from the drought. To minimize its effects as far as practicable a number of works was put in hand by the Government; included in these was the ploughing of some 2,700 acres which was made available for Mallee farmers at Tongala and Werribee. An extensive series of local works, tank sinking, and road clearing, were also undertaken, and, in addition, small advances were made to settlers for the carrying out of works for the improvement of their individual holdings. This policy has not only enabled farmers to remain on their land and to come through the drought with a minimum of hardship, but also to put a larger area under crop in the Northern Mallee than in any previous year. During the year £17,783 has been expended on roads and works of water supply.

#### TANKS.

Twenty-three tanks have been completed during the year, aggregating a capacity of 111,000 cubic yards. The total number of tanks now constructed is 123, with an aggregate storage capacity of 700,000 cubic yards.

#### BORING FOR WATER.

During the year two successful bores were sunk in the known fresh water bearing area.

A bore was put down near Nypo on the west of the Outlet Creek. As salt water only was obtained, operations were discontinued at a depth of 404 feet. With a view of testing for supplies of stock water several shallow bores were tried in the Sunset country north of Cowangie, the results, however, were disappointing, and work has been stopped.

The number of successful bores is now 79, and they provide a useful supply to an area of some 700 square miles.

#### ROAD CLEARING.

Over 750 miles of roads have been cleared during the year, including several important roads outside the settled areas. One runs from Manangatang to Euston on the Murray, a distance of 30 miles. Another from Ouyen to Slab Hut on the Murray, and a third from Kulwyn to Ridley's Pines, east of Ouyen, connecting the east and west settled parishes. The total length of roads now cleared is 2,850 miles.

#### CLEARING NEW TERRITORY.

In December some 20,000 acres of the territory on the South Australian Border forming part of the area hitherto in dispute as to ownership were thrown open for settlement. The work of preparing these blocks for cultivation was taken in hand by the Commission. This was done mainly as a drought relief measure, and considerably aided farmers already in the neighbourhood. It was also of great value to the new blockholders, enabling them to crop their holdings immediately upon allotment. £4,183 was expended in the work of clearing 13,000 acres.

#### OUYEN TOWN SUPPLY.

The work of providing the township of Ouyen with an urban supply was commenced. An earthen tank of 40,000 cubic yards capacity was excavated to the north-west of the town, and other necessary works are now in hand.

#### CARWARP WATERWORKS DISTRICT.

A scheme for domestic and stock supply to the proposed Carwarp Waterworks District is now nearing completion. A pump to deliver the supply has been installed at Redcliff on the River Murray. This is driven by an engine with vertical multitubular boiler made available from other works. A main channel runs from the pumping station to the northern boundary of the area to be supplied, and thence various distributary channels, totalling a length of 45 miles, have been constructed.

#### GOULBURN HEADWORKS AND MAIN CHANNELS.

These works comprise the Gouburn Weir, the Gouburn-Waranga Channel, extending from the weir to Waranga Reservoir, a distance of  $23\frac{1}{2}$  miles, the Waranga Reservoir—all of which are free headworks—the main channel extending westerly from the Waranga Reservoir to the Serpentine Creek, a distance of 92 miles, and the main eastern channel, which extends from the Goulburn Weir to the Shepparton district, a distance of  $31\frac{1}{2}$  miles. The total length of main channels is 147 miles, the total storage provided by the Reservoir and Weir being 218,000 acre-feet. The irrigation districts supplied are Shepparton, Rodney, Deakin, Tongala, Rochester, Dingee, and Tragowel Plains, to which will be added the new Stanhope Closer Settlement Area.

The abnormal conditions of the season necessitated the channel being kept in use throughout the whole year, hence some of the usual maintenance work had to be postponed.

To provide for conveyance of increased supply to Waranga Reservoir, earthen embankments, with a concrete culvert beneath them for the cross drainage, have been constructed in substitution for the large timber flume over the depression at seven miles from the Goulburn Weir.

Investigations are being made of a proposal by which, as requirements increase, a large proportion of the supply to Waranga Reservoir might be conveyed there by a direct cut channel or channel and tunnel from a point on the existing channel at the crossing of the Rushworth Railway line.

The enlargement of the Waranga Reservoir by raising the embankment to provide for a further depth of water of 10 feet was commenced early in 1915. The present capacity of 197,000 acre-feet will thus be increased to about 330,000 acre-feet. Contracts for the placing of about 605,000 cubic yards of earthwork for widening the base of the embankment have already been let.

#### WEIR-LITTLE MURRAY RIVER.

To prevent recurrence of the danger of Long Lake and Lake Boga not filling, also for the purpose of providing headworks for the proposed new Boga District, hereinafter referred to, and increasing the supply by gravitation to the Swan Hill District, the Commission decided to convert the earthen dam which was constructed as a drought emergency work in the Little Murray River about 3 miles below the offtake to Lake Boga into a permanent work. This has been done by constructing a substantial reinforced concrete weir with twenty-seven openings 11 feet wide, of which twenty

can be closed with removable stop-bars and have their sill height at R.L. 218, which is 8 feet below flood level. The other seven are fitted with centre pivot gates, with sill at R.L. 219.50. The work was finished in May, 1915, at a cost of £5,000, and has proved quite satisfactory in the high-river conditions that have since prevailed.

#### DRAINAGE SCHEMES.

Koo-wee-rup Swamp area still remain in abeyance pending agreement among the settlers in respect to the financial obligations involved.

Moe.—Surveys of Moe Swamp were completed and a scheme for the protection of its lands from flooding was drawn up. Settlers, however, were not prepared to undertake the financial responsibility involved, and consequently no work was done by the Commission.

CARDINIA.—A scheme for the protection of lands west of Koo-wee-rup and liable to flooding from Cardinia, Toomuc, and Deep Creeks has been prepared and will be submitted to the land-owners interested for their consideration.

#### RIVER GAUGING.

As provided by section 38 of the Water Act 1905 (now Water Act 1915), the work of gauging and regulating the flow of rivers and streams in this State has been continued. The supply stored in reservoirs and the volumes used therefrom have also been recorded and published weekly. The total number of gauging stations on rivers and creeks in the State is now 44. During the year the field observation and office work connected with these gaugings have been advanced. The result of gauging thirty-six streams at forty-six points for the years 1913 and 1914 has been tabulated and will be published in due course.

#### DIVERSION OF WATER.

In the exercise of the right of the State to the use and flow and control of water in rivers, creeks, streams or water-courses, lakes, lagoons, swamps or marshes, sanction to divert has been given in a large number of cases, over 200 new permits having been issued during the year in addition to renewals of those granted in former years.

Owing to the dry season and abnormally low flow of water in streams, the supervision of private diversions demanded an exceptional amount of attention during the latter part of the year.

The number of authorized diversions in force is now:—

Yearly permits			 	 945
Flood permits			 	 5
Licences	• •	••	 	 17
				967

#### NEW STORAGES.

#### Melton Reservoir.

Steady progress has been made with the contract works for the Melton reservoir for the supply of Werribee Irrigation area. This storage has practically the whole drainage area of the Werribee River as a catchment, and will impound about 10,000 acre feet of water. The height of the dam, which is of earth and rock, with diaphragm of reinforced concrete, and core of clay, is about 100 feet above the river bed. When the excavations were made for the foundations of the diaphragm and core it was found necessary, owing to uneven quality of the basalt rock, to go deeper than was anticipated from the results of the test shafts. This involved considerable extra work and time. It is expected that all works in connexion with this storage will be practically completed about the end of 1915.

#### SUGARLOAF RESERVOIR.

The construction of the Sugarloaf reservoir, on the Goulburn River, about 18 miles above Alexandra, has been commenced. The capacity of the first stage of this work will be between 240,000 and 300,000 acre feet; but its benefit to the commanded

districts will be even greater than these figures denote, because this reserve of water in store will permit of allocation in the first half of each irrigation season of an additional 80,000 acre feet obtainable by direct diversion from the river.

The dam is to be a "rock fill" one, with diaphragm of reinforced concrete, and

core of clayey material. Its height will be 135 feet above river bed.

Sand pits and a quarry have been opened up, a crushing plant has been installed, and considerable progress has been made with excavations for outlet works and concrete core walls, while in addition temporary works, such as tram line for conveyance of materials, storehouses for cement, dwellings for resident staff, and recreation-room for the workmen—of whom over 200 are employed—have been provided.

#### WARANGA RESERVOIR ENLARGEMENT.

The capacity of the Waranga reservoir is being increased from 197,000 to about 330,000 acre feet, by enlarging and raising the embankment, so as to provide for an additional 10 feet in depth of water. This work was commenced in March, 1915, and contracts have already been let for earthwork amounting to 605,000 cubic yards. The increasing demand for water for irrigation in the districts already supplied from the reservoir induced the Commission to recommend its enlargement. It is estimated that the work will be completed in about two years.

#### UPPER COLIBAN RESERVOIR.

The need for a greater reserve of stored water at the head of the Coliban system to provide for domestic use, irrigation, and mining requirements throughout the Bendigo and Castlemaine Districts, having been fully proved during the drought, a commencement was made early in 1915 on the enlargement of the Upper Coliban reservoir.

The works will increase the depth of water by 11 feet, and the capacity by 2,000 million gallons (about 7,300 acre feet). Besides safeguarding the requirements of populations dependent on the pipe reticulations, the additional storage will specially increase the security, and provide for extension, of the irrigation interests dependent upon the open channels of the Coliban System.

#### WIMMERA STORAGES.

To supplement supplies to the several districts in the Wimmera-Mallee area two very suitable natural basins—Black Swamp and Taylor's Lake—are being converted into controllable storages. Their capacities respectively are 17,000 and 30,000 acre feet. Particulars in detail of the works for filling and distributing the water from these works will be found under "Wimmera-Mallee Water Supply."

Among minor storages being brought into operation are Batyo Catyo Swamp, near Donald, and Whitton's Swamp, near Warracknabeal, which, have a combined

capacity of about 6,000 acre feet.

#### STORAGE DIAGRAM.

To convey a clear idea of the rate at which storages for water in Victoria are being provided by the Government a diagram is appended showing comparatively the capacity in 1902 of the State's storage works, the present capacity, and the capacity that will exist when the works now actually in hand are completed. From this it will be seen that in 1902 the total storage capacity was 172,000 acre feet; at present it is 384,000 acre feet, and when the works in hand are completed it will be 900,000 acre feet.

#### MURRAY RIVER WATERS.

An Act ratifying the Agreement between the Prime Minister of the Commonwealth and the Premiers of the States of New South Wales, Victoria, and South Australia, has been passed by the Parliament of each of the three States, and the agreement only awaits ratification by the Commonwealth Parliament.

The principal provisions of the Agreement are—

(a) The appointment of a Commission of four, one representing each of the contracting Governments, to give effect to the Agreement. This Commission will be called the Murray River Commission.

- (b) The carrying out of works for—Storage on the Upper Murray and at Lake Victoria; Weirs and Locks in the River Murray from its mouth to Echuca and in the River Murrumbidgee from its junction with the River Murray to Hay, or alternatively to the latter, Weirs and Locks to an equivalent expenditure in the River Darling upstream from its junction with the River Murray.
- (c) The provision of funds for these works, the total cost of which is estimated at £4,663,000, by the Contracting Governments in the following proportions:—

 Commonwealth
 ...
 £1,000,000

 New South Wales
 ...
 £1,221,000

 Victoria
 ...
 £1,221,000

 South Australia
 ...
 £1,221,000

(d) The distribution of waters between the three interested States.

The Agreement also provides that the Governments of the three States shall each as soon as practicable cause to be prepared and submitted to the above Commission for its approval a general scheme of the works to be constructed by them respectively under the Agreement.

The Ratifying Act for Victoria provides for construction of works on behalf of

its Government by the State Rivers and Water Supply Commission.

Because of its position in the portion of the river in which works are to be constructed under the Agreement, the proposed Torrumbarry Weir and Lock, which in the past has been strongly recommended for construction by this Commission, will now be one of the works to be submitted to the Murray River Commission for its approval, and such action is proposed so soon as the ratification of the Agreement by the Commonwealth Parliament and the appointment of the Commission have been effected.

The testing of sites for the proposed storage on the Upper Murray River has been proceeded with throughout the year; unfortunately it has to be recorded that on some of the sites, notably Cumberoona, the depth to rock is greater than was anticipated on the basis of the borings made thirteen years ago for the Murray River Royal Commission of 1902.

At the end of the summer, when the Murray River was at its lowest, an inspection of its bed from Echuca to Wentworth was made by an engineer of the New South Wales Commission for the purpose of locating any sites that appeared favorable for the proposed locks. The result of such inspection appears on pages 44 to 46 of the Report issued by the Acting-Commissioner for Water Conservation and Irrigation in New South Wales for the year ended 30th June, 1915.

#### GOULBURN RIVER FLOOD PROTECTION.

The position in respect to the scheme to protect the areas liable to flooding from the Goulburn River below Shepparton remains practically unchanged since last Report. This may be due, in a large measure, to the flow of the river in 1914 during the months from August to November, when there is usually most anxiety respecting floods, being abnormally low. In respect to this scheme the Commission feels that it has no other course than to withhold recommendations involving any further considerable expenditure until those who would derive benefit have expressed their willingness to assume the financial obligations involved.

#### INVESTIGATIONS OF PROPOSALS FOR NEW IRRIGATION SCHEMES.

#### Boisdale Scheme.

Following on the surveys made to determine the feasibility of developing irrigation in the Maffra district to aid the sugar-beet industry, a scheme was prepared for the irrigation of the Boisdale Estate. The proposed works comprise a weir in the Avon River immediately below the junction of the Valencia Creek, a main channel 2 miles long from the weir to the estate and 12 miles of distributary channels on the estate. Total estimated cost of the scheme is £24,800. It would be capable of delivering about 2,000 acre-feet of water on the settlers' holdings at a cost of about £1 per acre-foot. The scheme has been submitted to the interested land-owners for consideration.

#### EPPALOCK SCHEME.

Proposals, made some years ago, for the storage at Eppalock of the waters of the Campaspe that now flow to waste in most years, were revived during the drought period, and strongly urged by prospective irrigators for favorable consideration. Apart from the heavy cost this scheme would involve, difficulty arises from the fact that the water that could be made available with reasonable certainty in dry seasons would be insufficient for all the lands which could be commanded. With a view of preventing waste that might arise from endeavouring to spread the water too widely, a contour survey is being made with a view to determining as accurately as possible the most suitable field for use of the water if the scheme is carried out.

#### KERANG NORTH-WEST LAKES SCHEME.

In view of the growing importance of the Kerang North-west Lakes as storages for conservation of supplies for domestic and stock use and irrigation, the Commission is investigating a proposal to raise the surface level of Lake Charm, Race-course Lake, and Kangaroo Lake by about 4 feet. The expenditure involved being considerable, it is probable that some intermediate step may be deemed advisable until financial arrangements can be made that would warrant the carrying out of the complete scheme.

#### Boga Irrigation and Water Supply Scheme.

Investigations have been made for the irrigation of about 10,000 acres extending north-west from the channel that now supplies Lake Boga to Swan Hill, and including the portion of Pental Island between these places. The headworks of the scheme would be the new weir in the Little Murray River. The main channel on the south side of this river would have a capacity of 200 cusecs at its offtake, and besides supplying intervening lands would convey a sufficient supply for the whole of the Swan Hill district by gravitation. On the Pental Island side the capacity of the channel would be It is estimated that in all years but those of extreme drought water for the commanded areas would be available until the middle of January in each irrigation season. The estimated cost of the works of the whole scheme, inclusive of the headworks, is £34,100.

#### Maribyrnong River Scheme.

For many years past requests for the provision of a storage on the Maribyrnong River or its tributaries have been preferred by the public bodies interested in the irrigation of the lands adjoining.

The Konagaderrer Basin, on the Deep Creek, about 18 miles from Melbourne, has been suggested as a very suitable site, and an investigation is being made to determine its value for storage, and the extent to which water if stored would be used.

#### WORKS CONTROLLED BY OTHER AUTHORITIES.

A number of works was during the year carried out by Waterworks Trusts and

other Authorities on the approval of the Commission.

The First Mildura Irrigation Trust has submitted, for the approval of the Commission, proposals for installing new boilers at its pumping plants at an estimated cost of £14,000. It is believed that the extra efficiency thus obtained will, while improving the supply to the 12,000 acres of land already planted, allow of an extension of irrigation to some 2,400 acres not previously watered. A further pumping plant for the supply of the town has also been installed.

Two Waterworks Trusts were constituted to provide and control supplies for the townships of Hepburn and Mortlake. New services were installed at Tongala and Wahgunyah. Pipe extensions and other additions were made by the local Authorities at Benalla, Boort, Bright, Colac, Donald, Dunolly, Echuca, Euroa, Kilmore, Korumburra, Kyabram, Lancefield, Lilydale, Lorne, Lowan Shire, Morwell, Murchison, Murtoa, Nhill, Pyramid Hill, Rochester, St. Arnaud, Seymour, Swan Hill, Tarnagulla, Tungamah Shire, Upper Macedon, Warracknabeal, Warrnambool, and Wodonga.

The Ballarat system was greatly improved by the addition of the Moorabool

reservoir, of 1,365 million gallons capacity, which is now completed.

Proposals for improvement of the existing supplies at Ararat, Avenel, Beechworth, Benalla, Boort, Chiltern, Clunes, Healesville, Heathcote, Inglewood, Kerang, Koroit, Maryborough, Mildura, Stawell, and Yarram, and new schemes for the supply of Apollo Bay, Kaniva, Mornington Peninsula, Rosedale, and Toora, were investigated.

#### GENERAL.

#### THE DROUGHT.

The drought of 1914 will long be remembered in Northern Victoria for its severity. The following figures from the Commonwealth Meteorological records show the extent to which the rainfall was deficient as compared with the average, at well-known centres in the affected area:—

			Rainfall for 1914.	Average Annual Rainfall,	Deficiency.
		1	(Inches.)	(Inches.)	(Inches.)
Alexandra	 		$16 \cdot 22$	27.00	10.78
Benalla	 		$13 \cdot 24$	26.04	$12 \cdot 80$
Bendigo	 		$12 \cdot 20$	21.40	$9 \cdot 20$
Cobram	 		$8 \cdot 45$	16.79	$8 \cdot 34$
Corryong	 		$17 \cdot 98$	$28 \cdot 26$	$10 \cdot 28$
Donald	 		$7 \cdot 35$	16.11	$8 \cdot 76$
Echuca	 		$6 \cdot 86$	16.81	$9 \cdot 95$
Jamieson	 		$25 \cdot 85$	$42 \cdot 27$	$16 \cdot 42$
Kerang	 		6.00	13 · 81	$7 \cdot 81$
Mildura	 		$4 \cdot 69$	11.04	$6 \cdot 35$
Seymour	 		$10 \cdot 43$	23 · 15	$12\cdot 72$
Shepparton	 		$9 \cdot 87$	18.11	$8 \cdot 24$
Tallangatta	 		$16 \cdot 04$	$32 \cdot 33$	$16 \cdot 29$
Wodonga	 		$18 \cdot 13$	$26 \cdot 41$	$8 \cdot 28$

For the whole State the mean rainfall for 1914 was 14.66, as against the average of 24.51 inches for all annual records to date.

One of the first effects of the shortage of rain in the northern irrigation areas was to create a demand for water much earlier in the season than usual. Until about the end of November it was possible to supply practically all demands, but the inevitable result of the drought being general over the gathering grounds as well as over the lands of the river basins became evident in rapidly failing river flows. By the end of November, 1914, the Murray had fallen to 584 cubic feet per second at Tocumwal, and about the middle of the following December, as the result of diversions in New South Wales and Victoria from the stream between Tocumwal and Swan Hill, the flow at the latter place ceased entirely.

The situation became so acute that representatives of New South Wales, South Australia, and Victoria conferred in Melbourne, and agreed to a system of intermittent diversion designed to share as fairly as possible the available water among the irrigation districts and others having diversion rights. It was only by these restrictive measures that the down-stream users of water were prevented from being deprived entirely of supply.

Very early in the season it became evident that the flow was not likely to rise sufficiently to afford the usual gravitation supply to the Kow Swamp Storage and Kerang District. Temporary pumping plants consisting of two 20-in., two 18-in., two 15-in., and four 12-in. pumps with a combined capacity of about 150 cubic feet per second were therefore installed at Torrumbarry headworks. By this means a supply for irrigation of fodder crops was maintained while water in the river lasted with immense advantage to all concerned. The extra cost involved by this pumping is being borne by the users of the water.

To aid the Long Lake District and lands in the vicinity of Lake Boga an earthen dam was constructed in the Little Murray River near the offtake to Lake Baker. By this means 'the Long Lake pumping plant was enabled to continue work during the whole of the drought.

In the districts dependent on the Goulburn River, although it was found possible to supply the greater proportion of the water allotted as rights, the abnormal demand on storage early in the season, together with the extreme shortness of rainfall on the catchment of the Goulburn River during the last quarter of 1914, caused the gravitation supply from the Waranga Reservoir to be exhausted early in 1915. Here, again, emergency pumping was resorted to with the result that water which could not otherwise be drawn from the reservoir was made available for young fruit trees, and, to some extent, for fodder crops.

Throughout the Waterworks districts the principal difficulty in coping with drought conditions arose from the filling of distributary channels by drifting sand. Generally, it may be stated that the schemes in these districts stood well the extremely severe test to which they were subjected.

The diagram illustrative of the volume of flow of the Murray River at Mildura in each year since 1865 appended to this Report will show more readily than figures how extreme the shortage of flow in 1914 was in comparison with all of the other years except 1902.

#### CONCESSION TO CONDITIONAL PURCHASE LESSEES.

In view of the unavoidable shortage of water resulting from the drought that took place in the Irrigation Districts, it was felt that some concession should be made to conditional purchase lessees of closer settlement blocks in such districts, and the Government agreed, on the recommendation of the Commission, to give lessees the option of taking advantage of a "Suspension Scheme" whereby their land instalments for the first three years of their occupancy could be suspended, and in its place interest charged, such interest in turn being capitalized and repaid over a period of  $31\frac{1}{2}$  years commencing from the end of the suspension period. The majority of the lessees have intimated their intention of taking advantage of the scheme.

#### INCREASE IN THE IRRIGATED ACREAGE.

While the net increase in the acreage irrigated this year as compared with last year is only some 7,000 acres, the increase in the area watered from the Goulburn system shows an increase of over 48,000 acres. Decreases were shown in the area watered from the Kow Swamp Storage, which, as previously stated, was affected by the abnormally low flow of the Murray, and in the area watered from the Loddon River, which, too, was severely reduced in flow owing to the drought conditions. Notwithstanding the shortage in all river supplies, it is gratifying to note, however, that the area watered for the year—324,345 acres—is a record for the State.

#### Progress of Closer Settlement.

There has been a steady application during the year for closer settlement blocks in the irrigation districts. The majority of the applicants are those having local experience, and are of a type likely to prove successful settlers. The districts generally are showing marked progress, continually increasing areas being put under orchards, and lucerne or similar useful fodder crops. For instance, in the Shepparton closer settlement area, in which one-third was thrown open to settlement in 1910, and the balance as late as 1912, there are, out of a total area of 9,200 acres, no less than 2,000 acres planted to orchards and 2,600 acres seeded to lucerne, while in other irrigated areas somewhat similar conditions prevail.

The subjoined table shows clearly the areas already subdivided, the families residing on such lands when purchased, and the number now occupying blocks under the State's Closer Settlement Scheme. From this it will be seen that there are now twelve times as many families on these areas as there were prior to their purchase and subdivision by the State.

CLOSER SETTLEMENT IN IRRIGATION DISTRICTS.

			Lands purchased divided by t	d and Sub- the State.	Subdivid	ed into—	No. of families	No. of Closer Settlement
Settlement			Total Area.	No. of Properties.	No. of Closer Settlement Blocks.	Average Area.	thereon when purchased.	Blocks occupied and families thereon.
Shepparton No. 1			acres. 3,200	7	105	acres.	6	104
Shepparton No. 2			6,000	13	146	38	13	139
Kyabram			1,000	1	31	30	3	27
Tongala			15,200	31	248	59	30	192
Bamawm			13,400	<b>2</b> 8	173	73	21	153
Nanneella			8,600	16	106	-78	6	95
Cornelia Creek (includ	ling K	oyuga)	6,700	1	76	85		<b>6</b> 0
Cohuna			11,500	27	133	83	8	88
Swan Hill			5,400	18	83	64	10	61
Swan Hill (Burton's)			1,500	1	58	23		20
Werribee			6,200	1	148	42	6	93
Koondrook			2,400	4	33	68	3	21
Echuca			3,000	5	26	109	4	26
Dingee			470	3	17	26	1	15
Stanhope (portion on	ly)		1,400	1	23	62	2	15
Nyah			3,000	1	129	22		97
Merbein (Crown Land	ls)	•	6,000		202	29		190
			94,970	158	1,737		113	1,396

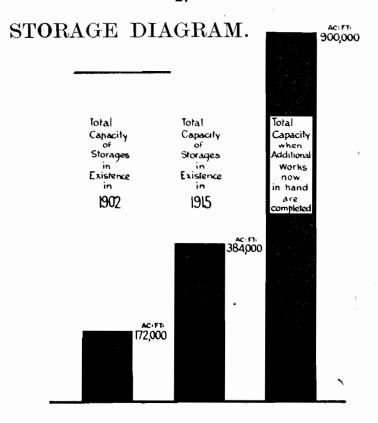
LANDS AVAILABLE FOR CLOSER SETTLEMENT IN IRRIGATION DISTRICTS.

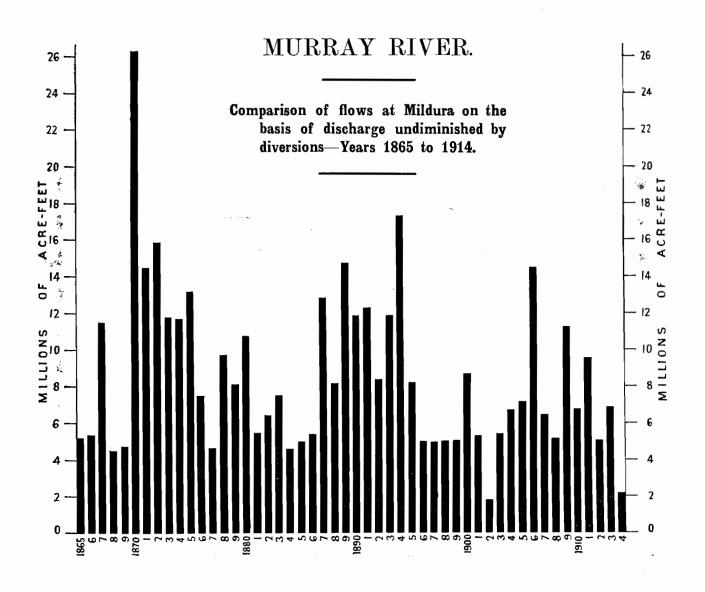
At the beginning of the year there was a total of 320 blocks available for settlement, of an aggregate area of 18,000 acres. During the year five additional estates were thrown open, viz., Steer's and Bennett's Estates in Koondrook District, which were subdivided into sixteen allotments, totalling 1,500 acres; McCumisky's Estate, in Rochester District, comprising ten allotments, totalling 150 acres; Burton's Estate, at Swan Hill, comprising fifty-nine blocks, with a total area of 1,350 acres; and 1,400 acres of the Lauderdale portion of Stanhope Estate, which provided twenty-three holdings.

Out of a total area of 92,000 acres (being the total area shown in above table, less allowance for roads and channels) so far made available, 75,000 acres, divided into 1,396 holdings, have been settled, inclusive of Nyah and Merbein. The balance, 17,000 acres, is still available in 345 allotments of sizes varying from 2 to 100 acres each.

Additional lands about to be made available include Watson's Myall Estate, in the Koondrook District, which will provide 8 additional holdings, of an average area of 130 acres; McDonald's Estate, near Kyabram; the balance of the Lauderdale portion of the Stanhope Estate; and the second portion of the Kyabram Estate. These three last-named estates will provide 149 additional blocks.

The remaining 12,000 acres in the Stanhope Estate, which are being channelled, and some 3,000 acres in other unsubdivided estates, will be made available as required.





#### ADMINISTRATION.

#### AMALGAMATION OF DISTRICTS.

The Gannawarra and Gannawarra West Districts have been united, so as to form one district, to be known as Gannawarra Irrigation and Water Supply District.

#### EXTENSIONS AND EXCISIONS.

The Rochester Irrigation District has, as previously arranged, been extended by the addition of some 36,000 acres between Bamawm and Echuca, of which some 6,000 acres are being supplied with water for irrigation. This area includes the Echuca and McCumisky's Irrigated Closer Settlement Estates, comprising twenty-six holdings, with an aggregate area of 2,800 acres. It is intended to further extend this district next year by the inclusion of 10,000 acres at Tennyson, for which irrigation channels have already been constructed.

It is also proposed to extend the Swan Hill Irrigation District by adding to it the closer settlement estate known as Burton's (1,400 acres) and other contiguous lands,

about 4,000 acres in all.

A small addition is also to be made to the Dingee Irrigation District.

The Tyntynder Waterworks District has been extended by the addition of an

area of 112 square miles not previously included in any constituted district.

To the Tyrrell District there has been added an area of 19 square miles, excised from Karkarooc District, and also other lands, aggregating 62 square miles, not previously included in any waterworks district.

An area of 18 square miles was excised from the waterworks district of the Kerang Shire Waterworks Trust, and added to the Long Lake Waterworks District.

It is intended during the ensuing year to re-adjust the boundaries of the Wimmera-Mallee Waterworks Districts. This will involve the excision of portions of the waterworks districts of the Shire of Donald and Kerang Shire Waterworks Trusts, and also of Long Lake, Sea Lake, Tyntynder, and Tyrrell Waterworks Districts, and extensions of Birchip, Karkarooc, Long Lake, Tyntynder, Wimmera United, and Wycheproof Districts.

#### PROCLAMATION OF URBAN DISTRICTS.

The townships of Kaneira, Nyah and Werribee, having been provided with pipe

supplies, were proclaimed urban districts and rated during the year.

The reticulation of the township of Lascelles will be completed during the

ensuing year.

#### NEW APPOINTMENTS AND TRANSFERS.

Mr. G. C. Kreutzer, previously engaged on the Commission's closer settlement work in various districts, was appointed District Engineer at Rochester Centre, in place of Mr. G. B. Gibbs, who was transferred to Head Office. Mr. R. C. Benson, who had been assisting the Rodney District Engineer for some time, was appointed Resident Engineer at Werribee. Mr. W. J. Stover, who had been employed by the Commission as irrigation adviser at Shepparton, resigned early in the year. In addition several temporary transfers were necessitated by enlistment of officers for active service. As far as practicable the vacancies caused by officers enlisting are being filled without resort to fresh appointments.

#### FIRE INSURANCE.

As previously stated, the Commission has been carrying the fire risks on its own buildings since July, 1909. The premiums thus saved now amount to £1,200. No losses have occurred since the date named.

#### RECEIPTS, DISBURSEMENTS, AND ESTIMATES.

The total revenue of the Commission for the year was £172,037, a decrease of £22,820 on the amount received for 1913–14. Of this decrease no less than £15,618 is in Waterworks Districts, where the effects of the drought were very severely felt. Notwithstanding the fact that the compulsory irrigation charge was withdrawn for the drought year in the Irrigation Districts, and that in its place a system of charging for the water actually used for irrigation was substituted, the revenue in these districts shows a decrease of only £4,947. It is anticipated that not only will a large amount of these arrears be collected during the coming year, but that a considerable increase will be shown in the collections generally.

The Coliban District shows a decrease of £2,338 in revenue as compared with last year, while the net expenditure increased £897. This result is almost entirely due to the shortage of the water supply and the consequent decrease in revenue from the irrigation, manufacturing, and mining industries. The annual deficit in connexion with this system, which reached £21,035 in 1913–14, and £24,693 last year, can only be overtaken slowly, as the amount of rating is limited by the *Water Act* 1915.

The revenue from the Irrigation and Water Supply Districts shows, as previously stated, a decrease of £4,947, as against last year. The aggregate revenue deficit of all the Irrigation and Water Supply Districts is now £120,520, but this includes a new amount, not previously charged to the districts, of £4,480 for the interest on and maintenance of portions of the Goulburn Main Channel System. The large increase of £40,823 in the aggregate deficit is almost entirely due to the unprecedented shortage in the river flows, resulting from the drought, which necessitated a very large additional expenditure in the provision of temporary pumping plants to utilize, as previously indicated, all available (and frequently intermittent) supplies of water. The cost of this extra pumping will be repaid during the next few years.

In the thirty-six Waterworks Districts under the control of the Commission the revenue returns, exclusive of the Coliban District, were, until the beginning of this year, very satisfactory, the net deficit, which in 1908–9 was £19,274, having been reduced to £11,494 in 1913–14. Although this deficit has this year been increased to £36,955, the Commission feels that, with the return of normal seasons, the collection of outstanding arrears will be such that the financial position of these districts will be restored to the satisfactory state of last year.

The net expenditure for the year from annual votes was £130,508, which was an increase of £22,997 over that of last year, and was almost entirely caused by drought conditions. The expenditure of loan moneys amounted to £261,156, of which details are set out in this report.

The Estimates for 1915–16 show an increase of £33,000 in receipts as compared with the previous year's Estimates, while the estimated disbursements show a decrease of £4,200 over those for last year. This satisfactory estimate is based on the anticipation of improved conditions following the termination of the drought.

The present total interest charges on loans amount to £285,847. Of this amount £97,721 is not chargeable to any districts, being debitable against Free Headworks, Amounts Written Off, and Unexpended Balances, leaving £188,126 as debitable against the Commission and other Authorities. The amount available last year from the Revenues of the Commission and other Authorities to meet such interest was £91,208, as set out in the statement in the final table, which, as in last year, shows the actual amount available to meet interest instead of an estimated amount as in Reports prior to last year.

The loan liability of the State for Works of Water Supply at the close of the year was £8,435,396. Of this total £1,235,109 is for Free Headworks; £1,263,228 has been written off; £147,046 was advanced to some early-formed local Authorities; £160,555 has not been expended, and £232,716 has been paid off by Authorities. The balance, £5,396,742, is the sum in respect of which those benefited by the various works are liable for payment of interest.

#### RECEIPTS AND DISBURSEMENTS.

STATEMENT of Moneys received and disbursed during the year ended 30th June, 1915.

		exclusive o	EXPENDITURE f Interest, Reden preclation Charg	nption, and	EXCESS.		
Works.	REVENUE.	From Annual Votes and Special Appropriation.	Deduct Capital and Other Expenditure not Chargeable to Districts.	Net Expenditure on Maintenance and Management.	Revenue over Net Expenditure.	Expenditure over Revenue.	
O.W.	£	£	£	£	£	£	
Coliban Other State Works—	36,728	13,113	626	12,487	24,241		
Declar Dimen	7	339		339		332	
Coulhum	193	1,991	. · ·	1,991	••	1,798	
Kow Swamp	173	1,410	,	1,410		1,237	
Lake Lonsdale	38	546		546		508	
Loddon River	7	273		273		266	
Lower Wimmera	<b>l</b>	84		84		84	
North-West Lakes	326	176		176	150		
Irrigation Districts	83,404	62,085		62,085	21,319		
Waterworks Districts—	0. 0.0	07.40=	0	01.050			
Rural	31,373	31,427	371	31,056	317		
Urban	12,719	3,969	••	3,969	8,750		
Licences, Diversions, Miscellaneous	7,069	2,951	••	2,951	4,118		
	172,037	118,364	997	117,367	58,895	4,225	
Not Revenue Producing-							
River Gaugings, Surveys and		1					
Reports, New Projects		4,844		4,844		4,844	
Irrigation Engineering Scholar-			1				
ships		204	••	204	••	204	
Waterworks Trusts, Cost							
Boring for Water, of Road Clearing, Admin-		90					
Mallee, and Land istration		4,870		4,870		4,870	
Loan Works	••	3,223		3,223		3,223	
Totals	172,037	131,505	997	130,508	58,895	17,366	

#### COLIBAN SYSTEM.

STATEMENT of Moneys received and disbursed during the year ended 30th June, 1915, and of interest charged at the rate of 4 per cent. on Capital Debits.

						Disburseme	Disbursements and Interest Charged.				
	Districts.		Capital Debit s. at 30th June, 1915.			Disbursements.	Interest.	Total.	Disbursements and Interest over Revenue.		
Coliban		• •		£ 1,207,191	£ 35,941	£ 11,753	£ 48,288	£ 60,041	£ 24,100		
Axe Creek			• • •	1,750	147	129	70	199	52		
Harcourt			• •	14,392	<b>64</b> 0	605	576	1,181	541		
Totals				1,223,333	36,728	12,487	48,934	61,421	24,693		

#### IRRIGATION AND WATER SUPPLY DISTRICTS.

STATEMENT of Moneys received and disbursed from 1st May, 1906, to 30th June, 1915; and of Interest, charged at the rate of 4 per cent. on Capital Debits; and also of Depreciation and Redemption charged, as at 30th June, 1915. (Free Head-works excluded.)

#### RECEIPTS.

			1st May,			1914-15.			Grand
Dis	triet.		1906, to 30th June, 1914.	Rates.	Compul- sory lrri- gation Charge,	Water Sales.	Interest, Miscel- laneous.	Total.	Total at 30th June, 1915.
			£	£	£	£	£	£	£
1. Bacchus Marsh			 12,059	531	2,804	85	33	3,453	15,512
2. Boort			 16,581	1,207		367	12	1,586	18,167
3. Campaspe			 4,826	601		57	1	659	5,485
4. Cohuna			 41,853	1,402	3,686	1,544	188	6,820	48,673
5. Deakin			 22,389	3,046		1,341	14	4,401	26,790
6. Dingee			 452	67	297	88	3	455	907
7. Dry Lake		• •	 260				29	<b>2</b> 9	289
8. Gannawarra			 27,444	1,061	3,085	1,968	150	6,264	33,708
9. Kerang			 32,495	1,833		1,388	12	3,233	35,728
10. Koondrook			 $25,\!864$	910	2,196	1,530	52	4,688	30,552
11. Merbein			 14,945	176	8,104	8	427	8,715	23,660
12. Nyah			 6,983	65	1,476	80	49	1,670	8,653
13. Rochester			 13,773	1,188	2,195	3,206	180	6,769	20,542
14. Rodney			 113,337	$6,\!334$	5,313	6,882	251	18,780	132,117
15. Shepparton			 5,683	632	1,232	538	47	2,449	8,132
16. Swan Hill			 21,317	614	2,086	1,484	89	4,273	25,590
17. Tongala			 5,972	434	1,234	744	58	2,470	8,442
18. Tragowel Plains	• •		 42,115	1,383	4,713	507	87	6,690	48,805
			408,348	21,484	38,421	21,817	1,682	83,404	491,752

#### DISBURSEMENTS, AND INTEREST DEPRECIATION AND REDEMPTION CHARGED.

		1	DISBURS	SEMENT	rs.		INTER	EST CH.	ARGED.		
	4.		1914	l <b>-1</b> 5.						ION.	June,
District.	1st May, 1906, to 30th June, 1914.	Repairs and Maintenance.	Distribution of Water.	Management.	Total.	Total at 30th June, 1915.	1st May, 1906, to 30th June, 1914.	1st July, 1914, to 80th June, 1915.	Total at 30th June, 1915.	(A) DEPRECIATION. (B) REDEMPTION,	Grand Total at 30th June, 1915.
	£	£	£	£	£	£	£	£	£	£	£
1. Bacchus Marsh	2,870		498	116							15,803
2. Boort	9,656		658	115			6,143	763			18,057
3. Campaspe	2,896		164			-,	3,133	389			6,733
4. Cohuna	30,874		5,559	465			16,415		19,131	(A)4,998	
5. Deakin	11,334		918	341	2,191		16,560	-/	19,771		33,296
6. Dingee	94	54	290	20	364	458	490	,	1,581		2,039
7. Dry Lake	1					1	259	29	288	• • •	289
8. Gannawarra	18,766	<b>7</b> 38	<b>2</b> ,904	<b>2</b> 82					13,099	(a)2,246	38,035
9. Kerang	18,156							1,914		(B) 500	
10. Koondrook	17,419		2,825						17,089	(a)2,251	40,477
11. Merbein	14,886		5,670		6,303			2,639	8,748	(a)3,354	33,291
12. Nyah	5,653		2,928		3,341	8,994		893	3,929	(a)1,642	14,565
13. Rochester	9,279		5,117	571	6,923			7,325			41,928
14. Rodney	54,281	3,593	4,062	742	8,397	62,678		12,987	80,497		143,175
15. Shepparton	4,286		826	260	2,685	6,971	5,674	4,077	9,751		16,722
16. Swan Hill	18,956		1,500	219	2,500	21,456		1,312	7,307	(a)2,368	
17. Tongala	4,577		3,282	337				5,041	13,838		22,998
18. Tragowel Plains	22,334	1,668	3,075	285	5,028	27,362	21,403	6,381	27,784 		55,146
	246,318	15,807	41,065	5,213	62,085	308,403	227,651	58,859	286,510	17,359	612,272

#### WATERWORKS DISTRICTS.

#### RURAL DISTRICTS.

STATEMENT of Moneys received and disbursed from 1st July, 1906, to 30th June, 1915; and of Interest charged, at the rate of 4 per cent. on Capital Debits; and also of Depreciation and Redemption charged, as at 30th June, 1915. (Free Head-works excluded.)

#### RECEIPTS.

			1st May, 1906,		191	4-15.		Grand	
District.			to 30th June, 1914.	Rate.	Water Sales.	Interest and Miscel- laneous.	Total.	Total at 30th June, 1915.	
			£	£	£	£	£	£	
1. Birchip	••	• •	)	1,526		35	1 <b>,</b> 561	1)	
2. Sea Lake	••	••	57,783	J 2,390	•••	74	2,464	64,975	
3. Tyrrell	••	• •	1 01,100	738	••	8	746	1	
4. Wycheproof	• •	• •	,	2,382	••	39	2,421	[]	
5. Karkarooc	• •	• •	19,617	3,574	••	67	3,641	23,258	
6. Kerang North-west Lakes	• •	• •	41		••-		• • • • • • • • • • • • • • • • • • • •	41	
7. Long Lake	••	• •	30,772	1,926	82	32	2,040	32,812	
8. Tyntynder	••	• •	4,878	706	• • •	11	717	<b>5,</b> 595	
9. Walpeup East	• •	• •	183	56	•••	1 1	57	240	
10. Walpeup West	• •	• •	220	80	• • • • •	1 1	81	301	
11. Western Wimmera	• •	• •	56,410	7,460	574	48	8,082	64,492	
12. Wimmera United	••	••	68,433	9,390	91	82	9,563	77,996	
			238,337	30,228	747	398	31,373	269,710	

#### DISBURSEMENTS, AND INTEREST DEPRECIATION AND REDEMPTION CHARGED.

			DISBUR	SEMENT	3.		INTERI	EST CHAI	RGED.		1915.	
	4.		191	4–15.			4			HON.	th June,	
District.	1st May, 1906, to 30th June, 1914	Repairs and Maintenance.	Distribution of Water.	Management.	Total.	Total at 30th June, 1915.	1st May, 1906, to 30th June, 1914	1st July, 1914, to 30th June, 1915.	Total at 30th June, 1915.	(A) DEPRECIATION. (B) REDEMPTION.	Grand Total at 30th June, 1915.	
	£	£	£	£	£	£	£	£	£	£	£	
1. Birchip 2. Sea Lake 3. Tyrrell	35,768	3,528	1,315	706	5,549	41,317	35,059	8,071	43,130		84,44	
4. Wycheproof J 5. Karkarooc 6. Kerang North-	7,385	1,444	715	305	<b>2,4</b> 64	9,849	11,598	4,263	15,861		25,71	
west Lakes	120		73	33	106	226	67	84	151		37	
7. Long Lake	21,090	1,762	<b>2,</b> 958	478	5,198	26,288	7,217	752	7,969	(a) 4,872		
8. Tyntynder	4,254	854	1,244	176	$\frac{2,274}{305}$	6,528	1,801 120	$\frac{746}{136}$		١ ٠٠ ١	9,07 77	
9. Walpeup East	$\frac{212}{490}$	$\frac{186}{270}$	$\frac{\cdot \cdot}{253}$	$119 \\ 150$	673	$\begin{array}{c} 517 \\ 1,163 \end{array}$	60	93				
0. Walpeup West 1. Western Wimmera	29,567	3,358	3,100	819	7,277	36,844	19,506	<b>3,</b> 497	23,003		166,86	
2. Wimmera United	33,853	4,655	1,697	858	7,210	41,063	27,789	7,009	34,798			
	132,739	16,057	11,355	3,644	31,056	163,795	103,217	24,651	127,868	17,194	308,88	

#### WATERWORKS DISTRICTS.

#### URBAN DISTRICTS.

STATEMENT of Moneys received and disbursed from 1st July, 1906, to 30th June, 1915; and of Interest charged, at the rate of 4 per cent. on Capital Debits; and also of Depreciation and Redemption charged, as at 30th June, 1915. (Free Head-works excluded.)

RECEIPTS.

District.   South June, 1914.   Rate.   Water Sales.   Interest and Miscellaneous.   Total.   Total at 3d June, 1914					1st May, 1906,		1914	<b>⊢</b> 15.		Grand
1. Baechus Marsh       5,762       543       295       4       842       6,6         2. Berriwillock       45       78        1       79       1         3. Beulah       779       277       23       6       306       1,0         4. Birchip       3,920       510       240       27       777       4,6         5. Cohuna       304       379        379       6         6. Corop       60       31        1       32       7         7. Dimboola       8099       478       852       24       1,354       9,4         8. Hopetoun       896       279       58       10       347       1,2         9. Jeparit       925       352       59       4       415       1,3         10. Kaneira        70       18       1       89         11. Koondrook       548       322        3       325       8         12. Lake Boga       903       184       6       4       194       1,0         13. Minyip       2,193       336       46       11       393       2,5         15. Nyah<	D	istrict.			to 30th June,	Rate.	Water Sales.	Miscel-	Total.	Total at 30th June, 1915.
2. Berriwillock       45       78        1       79       1         3. Beulah       779       277       23       6       306       1,0         4. Birchip       3,920       510       240       27       777       4,6         5. Cohuna       304       379       6       6       31        1       32         6. Corop       60       31        1       32       7       70       6         7. Dimboola       8,099       478       852       24       1,354       9,4       8,4       8,4       9,4       8,4       9,4										
3. Beulah       779       277       23       6       306       1,0         4. Birchip       3,920       510       240       27       777       4,6         5. Cohuna       304       379         379       6         6. Corop       60       31        1       32       7         7. Dimboola       8,099       478       852       24       1,354       9,4         8. Hopetoun       896       279       58       10       347       1,2         9. Jeparit       925       352       59       4       415       1,3         10. Kaneira        70       18       1       89         11. Koondrook        548       322        3       325       8         12. Lake Boga        903       184       6       4       194       1,0         13. Minyip       2,193       336       46       11       393       2,5         14. Natimuk       2,598       184       197       1       382       2,9         15. Nyah        26        26	<ol> <li>Baechus Marsh</li> </ol>						295	4		6,604
4. Birchip       3,920       510       240       27       777       4,6         5. Cohuna       304       379        379       6         6. Corop       60       31        1       32         7. Dimboola       8,099       478       852       24       1,354       9,4         8. Hopetoun       896       279       58       10       347       1,2         9. Jeparit       925       352       59       4       415       1,3         10. Kaneira        70       18       1       89         11. Koondrook        548       322        3       325       8         12. Lake Boga        903       184       6       4       194       1,0         13. Minyip        2,193       336       46       11       393       2,5         14. Natimuk        2,598       184       197       1       382       2,9         15. Nyah	<ol><li>Berriwillock</li></ol>							1		124
5. Cohuna       304       379        379       6         6. Corop       60       31        1       32         7. Dimboola       8,099       478       852       24       1,354       9,4         8. Hopetoun       896       279       58       10       347       1,2         9. Jeparit       925       352       59       4       415       1,3         10. Kaneira        70       18       1       89         11. Koondrook       548       322        3       325       8         12. Lake Boga       903       184       6       4       194       1,0         13. Minyip       2,193       336       46       11       393       2,5         14. Natimuk       2,598       184       197       1       382       2,9         15. Nyah        26        26        26         16. Rainbow       3,202       522       107       6       635       3,8         17. Rupanyup       2,054       245       101       6       352       2,4         18. Sea Lake										1,085
6. Corop         60         31          1         32           7. Dimboola         8,099         478         852         24         1,354         9,4           8. Hopetoun         896         279         58         10         347         1,2           9. Jeparit         925         352         59         4         415         1,3           10. Kaneira          70         18         1         89           11. Koondrook         548         322          3         325         8           12. Lake Boga         903         184         6         4         194         1,0           13. Minyip         2,193         336         46         11         393         2,5           14. Natimuk         2,598         184         197         1         382         2,9           15. Nyah           26           26           16. Rainbow         3,202         522         107         6         635         3,8           17. Rupanyup         2,054         245         101         6         352         2,4           18							240	27		4,697
7. Dimboola       8,099       478       852       24       1,354       9,4         8. Hopetoun       896       279       58       10       347       1,2         9. Jeparit       925       352       59       4       415       1,3         10. Kaneira        70       18       1       89         11. Koondrook        548       322        3       325       8         12. Lake Boga        903       184       6       4       194       1,0         13. Minyip        2,193       336       46       11       393       2,5         14. Natimuk        2,598       184       197       1       382       2,9         15. Nyah           26         26         16. Rainbow        3,202       522       107       6       635       3,8         17. Rupanyup        2,054       245       101       6       352       2,4         18. Sea Lake        1,886       286       36       23       345       <										683
8. Hopetoun        896       279       58       10       347       1,2         9. Jeparit        925       352       59       4       415       1,3         10. Kaneira         70       18       1       89         11. Koondrook         3       325       8         12. Lake Boga        903       184       6       4       194       1,0         13. Minyip        2,193       336       46       11       393       2,5         14. Natimuk        2,598       184       197       1       382       2,9         15. Nyah         26         26         26         16. Rainbow        3,202       522       107       6       635       3,8         17. Rupanyup        2,054       245       101       6       352       2,4         18. Sea Lake        1,886       286       36       23       345       2,2         19. Ultima										92
9. Jeparit	7. Dimboola									9,453
10. Kaneira           70         18         1         89           11. Koondrook          548         322          3         325         8           12. Lake Boga          903         184         6         4         194         1,0           13. Minyip          2,193         336         46         11         393         2,5           14. Natimuk          2,598         184         197         1         382         2,9           15. Nyah           26           26           16. Rainbow          3,202         522         107         6         635         3,8           17. Rupanyup          2,054         245         101         6         352         2,4           18. Sea Lake          1,886         286         36         23         345         2,2           19. Ultima          158         219          11         230         3           20. Watchem          91         136         5         2         143	8. Hopetoun									1,243
11. Koondrook					925					1,340
12. Lake Boga.       903       184       6       4       194       1,0         13. Minyip       2,193       336       46       11       393       2,5         14. Natimuk       2,598       184       197       1       382       2,9         15. Nyah       26       26       26       26       26       26       26       26       3,202       522       107       6       635       3,8       17. Rupanyup       2,054       245       101       6       352       2,4       2,4       18. Sea Lake       1,886       286       36       23       345       2,2       19       11       230       3       3       20       20       Watchem       91       136       5       2       143       2       2       1156       1       1       2       156       1       1       2       156       1       1       2       156       1       1       1       15,1       2       1       156       1       1       1       2       156       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1				• •			18			89
13. Minyip        2,193       336       46       11       393       2,5         14. Natimuk        2,598       184       197       1       382       2,9         15. Nyah        26        26        26         16. Rainbow        3,202       522       107       6       635       3,8         17. Rupanyup       2,054       245       101       6       352       2,4         18. Sea Lake       1,886       286       36       23       345       2,2         19. Ultima       158       219        11       230       3         20. Watchem       91       136       5       2       143       2         21. Werribee        154        2       156       1         22. Wonthaggi       11,072       1,991       1,941       113       4,045       15,1         23. Woomelang       748       268       159       6       433       1,1										873
14. Natimuk      2,598     184     197     1     382     2,9       15. Nyah       26      26       16. Rainbow      3,202     522     107     6     635     3,8       17. Rupanyup      2,054     245     101     6     352     2,4       18. Sea Lake      1,886     286     36     23     345     2,2       19. Ultima      158     219      11     230     3       20. Watchem      91     136     5     2     143     2       21. Werribee       154      2     156     1       22. Wonthaggi      11,072     1,991     1,941     113     4,045     15,1       23. Woomelang      748     268     159     6     433     1,1	12. Lake Boga									1,097
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	13. Minyip									2,586
16. Rainbow      3,202     522     107     6     635     3,8       17. Rupanyup      2,054     245     101     6     352     2,4       18. Sea Lake      1,886     286     36     23     345     2,2       19. Ultima      158     219      11     230     3       20. Watchem      91     136     5     2     143     2       21. Werribee       154      2     156     1       22. Wonthaggi      11,072     1,991     1,941     113     4,045     15,1       23. Woomelang      748     268     159     6     433     1,1					2,598		197	1		2,980
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	15. Nyah									26
18. Sea Lake      1,886     286     36     23     345     2,2       19. Ultima      158     219      11     230     3       20. Watchem      91     136     5     2     143     2       21. Werribee       154      2     156     1       22. Wonthaggi      11,072     1,991     1,941     113     4,045     15,1       23. Woomelang      748     268     159     6     433     1,1	16. Rainbow							-		3,837
18. Sea Lake      1,886     286     36     23     345     2,2       19. Ultima      158     219      11     230     3       20. Watchem       91     136     5     2     143     2       21. Werribee        154      2     156     1       22. Wonthaggi       11,072     1,991     1,941     113     4,045     15,1       23. Woomelang      748     268     159     6     433     1,1	<ol><li>Rupanyup</li></ol>									2,406
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	18. Sea Lake						36			2,231
21. Werribee        154      2     156     1       22. Wonthaggi       11,072     1,991     1,941     113     4,045     15,1       23. Woomelang       748     268     159     6     433     1,1	19. Ultima									388
22. Wonthaggi	20. Watchem				91		5			234
23. Woomelang	21. Werribee					154				156
23. Woomelang 748   268   159   6   433   1,1	22. Wonthaggi				11,072			113		15,117
24. Wycheproof 2,325 365 53 22 440 2,7	23. Woomelang									1,181
	24. Wycheproof	••	• •		2,325	365	53	22	440	2,765
48,568 8,235 4,196 288 12,719 61,2					48,568	8,235	4,196	288	12,719	61,287

DISBURSEMENTS, AND INTEREST DEPRECIATION AND REDEMPTION CHARGED.

			DISBUR	SEMENTS	3.		INTER	EST CHA	RGED.	[	, 1915.
	4		1914	-15.			4.	າດ		FION. ON.	th June
District.	1st May, 1906. to 30th June, 1914.	Repairs and Maintenance.	Distribution of Water.	Management.	Total.	Total at 30th June, 1915.	1st May, 1906, to 30th June, 1914,	1st July, 1914, to 30th June, 1915.	Total at 30th June, 1915.	(A) DEPRECIATION. (B) REDEMPTION.	Grand Total at 30th June, 1915.
	£	£	£	£	£	£	£	£	£	£	£
1. Bacchus Marsh .	. 2,004	8	126	70	204	2,208	2,742	675	3,417	(a) 168 (b) 250	6,043
3. Beulah 4. Birchip 5. Cohuna 6. Corop . 7. Dimboola 8. Hopetoun	. 11 185 1,484 97 15 4,545 . 429	32 14 41 3  516	114 219 63 10 428	13 31 65 9 5 110 34 22	45 159 325 75 15 1,054 175 78	56 344 1,809 172 30 5,599 604 238	64 504 1,872 137 38 1,717 373 668	71 278 422 142 19 432 176 385	135 782 2,294 279 57 2,149 549 1,053	(a) 3 (a) 8 (a) 164 (a) 42  (a) 780 (b) 530	194 1,134 4,267 493 87 9,058 1,153 1,291
11. Koondrook 12. Lake Boga 13. Minyip 14. Natimuk 15. Nyah	. 270 . 108 . 1,075 . 370	$\begin{bmatrix} & 3 \\ 5 \\ 2 \\ 19 \\ 1 \\ \dots \end{bmatrix}$	30 105 15 80 46 5	12 35 11 32 25 5	$   \begin{array}{r}     45 \\     145 \\     28 \\     131 \\     72 \\     10   \end{array} $	45 415 136 1,206 442 10	293 618 1,443 1,342	90 149 151 311 356 5	90 442 769 1,754 1,698	(a) 3 (a) 45 (a) 36 (a) 155 (b) 500 (a) 4	138 902 941 3,115 2,640
16. Rainbow 17. Rupanyup 18. Sca Lake 19. Ultima 20. Watchem	. 702 . 837 . 1,391 . 41 . 28	$\begin{array}{c c} 2 \\ 10 \\ 5 \\ 11 \\ 12 \\ 13 \end{array}$	80 75 142 33 12 47	34 29 43 16 18 33	116 114 190 60 42 93	818 951 1,581 101 70 93	2,021 1,063 467 157 128	$465 \\ 237 \\ 176 \\ 157 \\ 128 \\ 321$	2,486 1,300 643 314 256 321	(a) 240 (a) 126 (a) 159 (a) 20  (a) 21	3,544 2,377 2,383 435 326 435
22. Wonthaggi 23. Woomelang	1,342 284 1,669	56 27 3	182 69 164	210 44 38	448 140 205	1,790 424 1,874	8,187 578 1,039	2,461 346 223	10,648 924 1,262	(b)1,000 (a) 40 (a) 158	13,438 1,388 3,294
	17,047	787	2,238	944	3,969	21,016	25,451	8,176	33,627	4,452	59,095

#### DISTRICTS HELD IN TRUST BY THE COMMISSION.

#### AVOCA WATER TRUST.—BALANCE-SHEET.

#### STATEMENT OF RECEIPTS AND DISBURSEMENTS FOR THE YEAR ENDED 31ST DECEMBER, 1914.

#### Revenue Account.

	RECEI	PTS.					DISBURSEMENTS.			
				£	s.	d.		£	8.	d.
Bank Balances from	1913			847	1	4	Interest on Loan	<b>32</b> 9	6	3
Arrears of Rates				86	11	1	Redemption of Loan	68	12	0
Current Rate		• •		352	13	10	Surveys New Channel System	75	18	6
Interest on Rates				8	12	1	Maintenance and Repairs	163	11	7
Sales of Water				1	<b>2</b>	0	Management	34	16	6
Miscellaneous				<b>2</b>	8	5		52	0	0
							Advance to Urban District	10	4	11
							Refund, Overpaid Rates	0	6	5
							Bank Charges	<b>2</b>	1	6
							Bank Balances, 31/12/14	461	11	1
			-				<del>-</del>			
Total	• •	• •	• •	£1,298	8	9	${\bf Total}  \dots  \dots  \dots$	£1,298	8	9
			-				_			_

#### Statement of Assets and Liabilities.

			-,		
LIABILITIES.					Assets.
		£	8.	d.	£ s. $d$ . £ s. $d$ . £ s. $d$ .
Treasurer of Victoria—Loan		5,430	6	4	Works at Cost 8,709 5 0
Rates Overpaid		0	3	11	Less Amount
Sundry Creditors	• •	1	18	5	Written Off,
Balance—General Account		1,576	9	11	Act No.
					1625 2,494 0 0
					Repaymentof
					Loan 124 5 6
					<b> 2,618 5 6</b>
					6,090 19 <b>6</b>
					Arrears of Rates 346 3 1
					Advance to Urban Division 110 4 11
					Bank Balances, 31/12/14 461 11 1
	-				
${\rm Total}  \dots \qquad \dots$	••	£7,008	18	7	Total £7,008 18 7

#### Statement of Rates.

			£	8.	d.		£	8.	d.
Current Rate	 		561	14	3	Current Rates Collected	352	13	10
Arrears from 1913	 		223	13	9	Arrears of Rates Collected	86	11	1
						Arrears carried forward to 1915	346	3	1
		_			—				
Total	 • •		£785	8	0	Total	£785	8	0

#### DISTRICTS HELD IN TRUST BY THE COMMISSION—continued.

#### AVOCA WATER TRUST.—QUAMBATOOK URBAN DISTRICT.—BALANCE-SHEET.

STATEMENT OF RECEIPTS AND DISBURSEMENTS FOR THE YEAR ENDED 31ST DECEMBER, 1914.

#### Revenue Account.

RECEIPTS.		DISBURSEMENTS.							
	£	8.	d.				£	8.	d.
Bank Balance from 1913	 15	14	3	Interest on Loan			131	0	0
Arrears of Rates	 51	15	9	Redemption of Loan			17	3	<b>2</b>
Current Rate	 124	1	4.	Maintenance and Repairs			13	3	6
Interest on Rates	 $^{2}$	1	$^{2}$	Pumping Expenses			66	11	0
Advance by Rural District	 110	4	11	Rate Collector			26	0	0
•				Management			16	11	9
				Bank Charges	`		<b>2</b>	7	0
				Bank Balance, 31/12/14	••	• •	31	1	0
Total	 £303	17	5			_	£303	17	5

#### Loan Account.

F	DISBURSEMENTS.									
		£ s s.	d.					£	8.	d.
Treasurer of Victoria	• •	 322 18	7	Earthen Storage		• •		26	16	5
				Concrete Standpi	ре			4	16	5
				Reticulation	<b>.</b>	••		<b>2</b> 04	3	0
				Windmills				21	19	<b>2</b>
				Pumping Plant		• •		64	8	3
				Contingencies	••	••	• •	0	15	4
Total	••	 £322 18	7	Total		••		£322	18	7

#### Statement of Assets and Liabilities.

Liabilities.		Assets.								
	£	8.	d.					£	s.	d.
Treasurer of Victoria—Loan	 3,705	5	1	Works at Cost—						
Treasurer of Victoria—Interest	 74	6	10	6	£1,003	1	10			
Amount due to Rural Districts	 110	4	11	Concrete Standpipe	752	8	4			
Balance—General Account	 172	0	0	Reticulation	1,389	10	1			
				Windmills	323	4	6			
				Pumping Plant	212	15	0			
				Contingencies	44	7	11			
								3,725	7	8
				Arrears of Rates				305	8	<b>2</b>
				Bank Balance, 31/12/14	••			31	1	0
Total	 £4,061	16	10	Total	••			£4,061	16	10

#### Statement of Rates.

Current Rate . Arrears from 1913	·		3	$\frac{0}{3}$	Current Rate Collected Arrears of Rates Collected Arrears carried forward to		 124	15	<b>4</b> 9
Total .		 £481	5	3	Total	••	 £481	5	3

14637.

#### DISTRICTS HELD IN TRUST BY THE COMMISSION—continued.

#### CARRUM WATERWORKS TRUST.—BALANCE-SHEET.

STATEMENT OF RECEIPTS AND DISBURSEMENTS FOR THE YEAR ENDED 31ST DECEMBER, 1914.

		R	ever	nue	Account.			
RECEIPTS.	_	_		.	DISBURSEMENTS.			
£ s.		£	8.	d.	£ s. d.		s. ·	10
Bank Balance from 1913 611 14 Cash in hand from 1913 19 12	8 8				Interest on Loan	$\begin{array}{c} 662 \\ 145 \end{array}$	4 10	$2^{10}$
Cash in hand from 1913 19 12		631	7	4	Maintenance and Repairs		$\frac{10}{2}$	8
Arrears of Rates		206		10	Rate Collector	87		Ö
Current Rate		1,327	5	6	Management	64	18	<b>2</b>
Interest on Rates		23		0	Bank Charges	1	15	0
Interest on Flood Protection Fund	l	22		0	Cash in hand 0 18 2			
Miscellaneous	• •	8	10	0	Bank Balance, 31/12/1914 522 16 8	<b>F00</b>		10
						523	14	10
Total		£2,220	0	8	$ar{}$ Total	£2,220	0	
10001				_	-			
		~						
_		Spec	ial	Wo	rks Account.			
RECEIPTS.		c		,	Disbursements.	e		,
Bank Balance from 1913		£	s. 13	$\frac{d}{c}$	Panis Charges	£	<i>s</i> . 10	$\frac{d}{6}$
Arrears of Rates	• •		6		Bank Charges	77	9	9
Arrears of Nates	••-	10			Dank Dalance, 51/12/1514			
Total		£78	0	3	Total	£78	0	3
20002					_			_
	α				7 7 7 7 7 7 7 7 .			
_	Stater	ment of	As	sets	and Liabilities.			
Liabilities.		e		ı	Assets.	c		a
manager of Winterio Toom		16 446	<i>s</i> .	d.	£ s. d. Works at Cost	£	8.	a.
Treasurer of Victoria—Loau Overpaid Rates		16,446 3	0 6		Works at Cost			
Overpaid Rates Balance, General Account	• •	3,318		4		18,000	9	6
Dalance, General Accounts	••	0,010	12	•	Arrears of Rates	493		$\overset{\circ}{2}$
					Flood Protection Fund—			_
•			,		Government Stock	750	0	0
•					Cash in hand 0 18 2			
					Bank Balance, 31/12/1914 522 16 8			
						523	14	10
m. 4-1		210 767	10		Total	C10 767	10	
Total		£19,767	19		10041	£19,767		
Special Works		£	s.	d.	Special Works— £ s. d.	£	s.	d.
Balance of Works to be carried	out	1,074						
					Less Amount Received 8,047 17 9			
						96		
					Balance in Trust Fund, Treasury	900	7	6
					Bank Balance, 31/12/1914	77	9	9
Total		£1,074	15	0	Total	£1,074	15	0
10021	••-				10001			
					t of Rates.			_
		£		d.		£	8.	d,
Current Rate	• •	1,600				1,327	5	6
Arrears of Rates from 1913	• •	461	15	10		206		
					Rates Written Off	$\begin{array}{c} 34 \\ 493 \end{array}$		$rac{2}{2}$
	_				Arrears carried forward to 1919	430	19	
Total		£2,062	12	8	Total	£2,062	12	8
	-							
		~			77 . T. T.			
		-			Vorks Rate.	_		
1010		£		d.	Amount Callegial :- 1014	£	8.	d.
Arrears from 1913	• •	110	4	6		13	6	9
	_				Arrears carried forward to 1915	96	11	9
Total		110	4	6	Total	110	4	6
	- •						_	

#### DISTRICTS HELD IN TRUST BY THE COMMISSION—continued.

#### LODDON UNITED WATERWORKS TRUST.—BALANCE-SHEET.

STATEMENT OF RECEIPTS AND DISBURSEMENTS FOR THE YEAR ENDED 31ST DECEMBER, 1914.

#### Revenue Account.

Receipts.							DISBURSEMENTS.					
				£	8.	d.		£	<i>s</i> .	d.		
Bank Balance from	1913			$1,\!274$	1	4	Interest on Loan	711	14	9		
Arrears of Rates				130	5	0	Redemption of Loan	164	5	7		
Current Rate				1,674	$^{2}$	7	Maintenance and Repairs	1,002	13	11		
Interest on Rates				5	5	11	Water Distribution	245	5	11		
Sales of Water				38	17	6	Valuation of District	85	17	4		
Rates Overpaid				6	8	4	Management	87	5	4		
Miscellaneous			• •	<b>2</b>	4	_		834	<b>2</b>	4		
			-									
Total		• •		£3,131	5	<b>2</b>	Total	£3,131	5	2		
			_									

#### Statement of Assets and Liabilities.

LIABILITIES.			Assets.			
	£	s. d.		£	8.	d.
Treasurer of Victoria—Loan	17,819	18 8	Works at Cost	19,617	4	9
Overpaid Rates	14	7 11	Arrears of Rates	488	5	8
Balance, General Account	3,124	7 2	Sales of Water	19	1	O
			Bank Balance, 31/12/14	834	2	<b>4</b>
Total	£20,958	13 9	Total	£20,958	13	9

#### Statement of Rate.

Current Rate Arrears from 1913			2,013	9	$rac{1}{2}$	Current Rate Collected Arrears of Rates Collected Arrears carried forward to 1915	130	2	7
Total	 		£2,292	13	3	Total	22,292 1	 3	3
_ •		_							

## LOAN EXPENDITURE. STATEMENT OF LOAN EXPENDITURE DURING THE YEAR ENDED 30TH JUNE, 1915.

								1 -	
		Nar	ne.				Loans Application Act No. 2503.	Loans Application Act No. 2534 and other Advances.	Total.
		Free Hea					£ s. d.	£ s. d.	£ s. (
	Goulburn River Wo	orks (War	anga Ro	eservoir)			196 3 5	1,227 0 5	1,423 - 3 - 1
	Kow Swamp		• •	• •	• •		2 19 6		2 19
3.	Loddon River (Laa:	necoorie)	• •	• •	• •	• •	6 11 3	12 14 0	19 5
	Ţ	Waterwork	s Distri	cts.					
Į,	Birchip, Sea Lake,						1,167 11 0	15,476 11 1	16,644 2
	Carwarp	• •		• •	• •	• •	4 14 0	4,288 4 2	4,292 18
	Karkarooc	4 T - 1	• •	• •	• •	• •	805 13 3	7,309 7 10	8,115 1
	Kerang North-West Long Lake		• •	• •	••		$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	439 6
•	Tyntynder					::	$672 \ 14 \ 7$	8,286 18 0	1,108 19 1 8,959 12
	Walpeup East						15 10 I	386 0 3	401 10
	Walpeup West						88 3 8	721 11 6	809 15
•	Western Wimmera	••	• •	• •	• •	• •	40 12 9	1,817 9 6	1,858 2
	Wimmera United Wimmera Main Cha	onnole and	d Stores	•••	• •		$\begin{array}{cccc} 657 & 7 & 8 \\ 2,922 & 5 & 4 \end{array}$	$\begin{bmatrix} 3,460 & 6 & 10 \\ 46,287 & 7 & 5 \end{bmatrix}$	4,117 14
	Yelta	••	a Storag				3 12 0	27 10 2	$\begin{array}{cccc} 49,209 & 12 \\ 31 & 2 \end{array}$
•							·	2.10 2	31 <u>2</u>
	D -1- 36 1	Tow							
	Bacchus Marsh Berriwillock	••	••	••	••	••	$\begin{array}{cccc} 1 & 0 & 0 \\ 1 & 6 & 6 \end{array}$	5 8 0	6 8
	Beulah	• •			• • • • • • • • • • • • • • • • • • • •	::	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	21 10 I 110 12 I1	$\begin{array}{cc} 22 & 16 \\ 170 & 6 \end{array}$
	Birchip	••			••		33 13 10	32 10 10	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
	Boga							4 17 11	4 17 1
	Cohuna						20.11	119 16 11	119 16 1
	Coliban	• •	• •	• •	••		28 11 0	9,904 12 4	9,933 3
	Hopetoun Jeparit					::	1 2 6	$\begin{bmatrix} 5 & 10 & 2 \\ 18 & 0 & 3 \end{bmatrix}$	6 12
	Kaneira	••					i 10 5	11 9 4	$\begin{array}{ccc} 18 & 0 \\ 12 & 19 \end{array}$
	Koondrook							71 0 4	$\begin{array}{cc} 12 & 19 \\ 71 & 0 \end{array}$
	Lascelles	• •	• •	• •	• •	• •	$2 \ 0 \ 0$	1,204 19 0	1,206 19
	Nyah	••	• •	••	• •		••	4 5 4	4 5
	Minyip Ouyen					::	• • • • • • • • • • • • • • • • • • • •	$\begin{bmatrix} 3 & 3 & 9 \\ 1,062 & 3 & 0 \end{bmatrix}$	$\begin{array}{ccc} 3 & 3 \\ 1,062 & 3 \end{array}$
	Rainbow	••		• •	•••		19 2 7	12 5 2	$\begin{array}{ccc} 1,062 & 3 \\ 31 & 7 \end{array}$
	Rupanyup					)	0 0 3	41 8 6	41 8
	Sea Lake	• •	• •	• •		• •	114 13 1	1,852 12 6	1,967 - 5
	Ultima	• •	• •	• •	• •	• •	2 11 9	5 17 8	8 9
	Watchem Werribee	• •		• •		::	$\overset{\cdot \cdot \cdot}{2}$ 6 0	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	10 3
	Wonthaggi	••					2 0 0	281 18 0	$158 19 \\ 281 18$
							5 11 6	38 14 8	44 6
	Woomelang							3 19 0	9.10
	Wycheproof	• •	•••	••	• •	•••			3 19
•	Wycheproof  Irrigation	and Wat	ter Supp						
	Wycheproof  Irrigation Bacchus Marsh and	and Wat Werribe	ter Supp	oly Distric	its. 		2,240 14 11	25,772 18 6	28,013 13
	Wycheproof  Irrigation	and Wat	ter Supp					25,772 18 6 5,332 8 0	28,013 1 <b>3</b> 5,332 8
	Wycheproof  Irrigation Bacchus Marsh and Boga Boort Campaspe	and Wat Werribed	ter Supp	oly Distric	its. 		2,240 14 11  71 12 6 101 17 9	25,772 18 6	28,013 1 <b>3</b> 5,332 8
	Wycheproof  Irrigation Bacchus Marsh and Boga Boort Campaspe Cohuna	and Wat Werribed	ter Supp	oly Distric	its. 		2,240 14 11  71 12 6 101 17 9 372 7 1	25,772 18 6 5,332 8 0 120 18 1	28,013 13 5,332 8 192 10 601 9 4,560 6
	Wycheproof  Irrigation Bacchus Marsh and Boga Boort Campaspe Cohuna Deakin	and Wat Werribed	ter Supp	oly Distric	:ts.  		2,240 14 11 71 12 6 101 17 9 372 7 1 6 10 8	25,772 18 6 5,332 8 0 120 18 1 499 11 10 4,187 19 6	$\begin{array}{c} 28.013 \ 13 \\ 5.332 \ 8 \\ 192 \ 10 \\ 601 \ 9 \\ 4.560 \ 6 \\ 6 \ 10 \\ \end{array}$
	Wycheproof  Irrigation Bacchus Marsh and Boga Boort Campaspe Cohuna Deakin Dingee	and Wat Werribed	ter Supp	oly Distric	:ts.  		2,240 14 11 71 12 6 101 17 9 372 7 1 6 10 8 84 4 1	25,772 18 6 5,332 8 0 120 18 1 499 11 10 4,187 19 6	28,013 13 5,332 8 192 10 601 9 4,560 6 6 10 2,029 13 1
	Wycheproof  Irrigation Bacchus Marsh and Boga Boort Campaspe Cohuna Deakin	and Wat Werribed	ter Supp	oly Distric	:ts.  		2,240 14 11 71 12 6 101 17 9 372 7 1 6 10 8	25,772 18 6 5,332 8 0 120 18 1 499 11 10 4,187 19 6  1,945 9 10 3,016 10 4	28,013 13 5,332 8 192 10 601 9 4,560 6 6 10 2,029 13 1 3,140 0 1
	Wycheproof  Irrigation Bacchus Marsh and Boga Boort Campaspe Cohuna Deakin Dingee Gannawarra Kerang Koondrook	and Wat Werribed	ter Supp	District	:ts.  		2,240 14 11 71 12 6 101 17 9 372 7 1 6 10 8 84 4 1 123 10 7	25,772 18 6 5,332 8 0 120 18 1 499 11 10 4,187 19 6  1,945 9 10 3,016 10 4 8,146 15 10 1,671 18 8	28,013 13 5,332 8 192 10 601 9 4,560 6 6 10 2,029 13 1 3,140 0 1 8,147 12
	Wycheproof  Irrigation Bacchus Marsh and Boga Boort Campaspe Cohuna Deakin Dingee Gannawarra Kerang Koondrook Merbein	and Wat	ter Supp	oly District	:ts.		2,240 14 11 71 12 6 101 17 9 372 7 1 6 10 8 84 4 1 123 10 7 0 16 6 84 1 8 554 17 11	25,772 18 6 5,332 8 0 120 18 1 499 11 10 4,187 19 6 1,945 9 10 3,016 10 4 8,146 15 10 1,671 18 8 13,933 7 10	28,013 13 5,332 8 192 10 601 9 4,560 6 6 10 2,029 13 1 3,140 0 1 8,147 12 1,756 0 14,488 5
	Wycheproof  Irrigation Bacchus Marsh and Boga Boort Campaspe Cohuna Deakin Dingee Gannawarra Kerang Koondrook Merbein Nyah	and Wat	ter Supp	District			2,240 14 11 71 12 6 101 17 9 372 7 1 6 10 8 84 4 1 123 10 7 0 16 6 84 1 8 554 17 11 91 15 9	25,772 18 6 5,332 8 0 120 18 1 499 11 10 4,187 19 6 1,945 9 10 3,016 10 4 8,146 15 10 1,671 18 8 13,933 7 10 566 2 2	28,013 13 5,332 8 192 10 601 9 4,560 6 6 10 2,029 13 1 3,140 0 1 8,147 12 1,756 0 14,488 5 657 17 1
	Wycheproof  Irrigation Bacchus Marsh and Boga Boort Campaspe Cohuna Deakin Dingee Gannawarra Kerang Koondrook Merbein Nyah Rochester	and Wat	ter Supp	oly District	:ts.		2,240 14 11 71 12 6 101 17 9 372 7 1 6 10 8 84 4 1 123 10 7 0 16 6 84 1 8 554 17 11 91 15 9 763 17 6	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	28,013 13 5,332 8 192 10 601 9 4,560 6 6 10 2,029 13 1 3,140 0 1 8,147 12 1,756 0 14,488 5 657 17 1 11,873 19
	Wycheproof  Irrigation Bacchus Marsh and Boga Boort Campaspe Cohuna Deakin Dingee Gannawarra Kerang Koondrook Merbein Nyah	and Wat	ter Supp	District	:ls.		2,240 14 11 71 12 6 101 17 9 372 7 1 6 10 8 84 4 1 123 10 7 0 16 6 84 1 8 554 17 11 91 15 9	25,772 18 6 5,332 8 0 120 18 1 499 11 10 4,187 19 6  1,945 9 10 3,016 10 4 8,146 15 10 1,671 18 8 13,933 7 10 566 2 2 11,110 1 9 5,157 5 10	28,013 13 5,332 8 192 10 601 9 4,560 6 6 10 2,029 13 1 3,140 0 1 8,147 12 1,756 0 14,488 5 657 17 1 11,873 19 5,613 6
	Wycheproof  Irrigation Bacchus Marsh and Boga Boort Campaspe Cohuna Deakin Dingee Gannawarra Kerang Koondrook Merbein Nyah Rochester Rodney Shepparton Swan Hill	and Wat	der Supp	oly District	:ls.		2,240 14 11 71 12 6 101 17 9 372 7 1 6 10 8 84 4 1 123 10 7 0 16 6 84 1 8 554 17 11 91 15 9 763 17 6 456 0 8 101 0 9 126 10 11	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	28,013 13 5,332 8 192 10 601 9 4,560 6 6 10 2,029 13 1 3,140 0 1 8,147 12 1,756 0 14,488 5 657 17 1 11,873 19 5,613 6 3,608 14 1
	Wycheproof  Irrigation Bacchus Marsh and Boga Boort Campaspe Cohuna Deakin Dingee Gannawarra Kerang Koondrook Merbein Nyah Rochester Rodney Shepparton Swan Hill Tragowel Plains	and Wat	der Supp	oly District	:ls.		2,240 14 11 71 12 6 101 17 9 372 7 1 6 10 8 84 4 1 123 10 7 0 16 6 84 1 8 554 17 11 91 15 9 763 17 6 456 0 8 101 0 9 126 10 11 266 19 7	$\begin{array}{c} 25,772\ 18\ 6\\ 5,332\ 8\ 0\\ 120\ 18\ 1\\ 499\ 11\ 10\\ 4,187\ 19\ 6\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\$	28,013 13 5,332 8 192 10 601 9 4,560 6 6 10 2,029 13 1 3,140 0 1 8,147 12 1,756 0 14,488 5 657 17 1 11,873 19 5,613 6 3,608 14 1 1,523 17 5,597 1
	Wycheproof  Irrigation Bacchus Marsh and Boga Boort Campaspe Cohuna Deakin Dingee Gannawarra Kerang Koondrook Merbein Nyah Rochester Rochester Rodney Shepparton Swan Hill Tragowel Plains Tongala	and Wat	der Supp	oly District	:ts.		2,240 14 11 71 12 6 101 17 9 372 7 1 6 10 8 84 4 1 123 10 7 0 16 6 84 1 8 554 17 11 91 15 9 763 17 6 456 0 8 101 0 9 126 10 11 266 19 7 106 9 11	$\begin{array}{c} 25,772\ 18\ 6\\ 5,332\ 8\ 0\\ 120\ 18\ 1\\ 499\ 11\ 10\\ 4,187\ 19\ 6\\ \\ \vdots\\ 1.945\ 9\ 10\\ 3,016\ 10\ 4\\ 8,146\ 15\ 10\\ 1,671\ 18\ 8\\ 13,933\ 7\ 10\\ 566\ 2\ 2\\ 11,110\ 1\ 9\\ 5,157\ 5\ 10\\ 3,507\ 14\ 2\\ 1,397\ 6\ 10\\ 5,330\ 2\ 2\\ 1,407\ 15\ 6\\ \end{array}$	28,013 13 5,332 8 192 10 601 9 4,560 6 6 10 2,029 13 1 3,140 0 1 8,147 12 1,756 0 14,488 5 657 17 1 11,873 19 5,613 6 3,608 14 1 1,523 17 5,597 1 1,514 5
	Wycheproof  Irrigation Bacchus Marsh and Boga Boort Campaspe Cohuna Deakin Dingee Gannawarra Kerang Koondrook Merbein Nyah Rochester Rochester Rodney Shepparton Swan Hill Tragowel Plains Tongala Goulburn Main Cha	and Wat	der Supp	oly District	:ts.		2,240 14 11 71 12 6 101 17 9 372 7 1 6 10 8 84 4 1 123 10 7 0 16 6 84 1 8 554 17 11 91 15 9 763 17 6 456 0 8 101 0 9 126 10 11 266 19 7 106 9 11 776 16 7	25,772 18 6 5,332 8 0 120 18 1 499 11 10 4,187 19 6  1,945 9 10 3,016 10 4 8,146 15 10 1,671 18 8 13,933 7 10 566 2 2 11,110 1 9 5,157 5 10 3,507 14 2 1,397 6 10 5,330 2 2 1,407 15 6 13,321 1 6	28,013 13 5,332 8 192 10 601 9 4,560 6 6 10 2,029 13 1 3,140 0 1 8,147 12 1,756 0 14,488 5 657 17 1 11,873 19 5,613 6 3,608 14 1 1,523 17 5,597 1 1,514 5 14,097 18
	Wycheproof  Irrigation Bacchus Marsh and Boga Boort Campaspe Cohuna Deakin Dingee Gannawarra Kerang Koondrook Merbein Nyah Rochester Rochester Rodney Shepparton Swan Hill Tragowel Plains Tongala	and Watel Werribed	der Supp	oly District	:ts.		2,240 14 11 71 12 6 101 17 9 372 7 1 6 10 8 84 4 1 123 10 7 0 16 6 84 1 8 554 17 11 91 15 9 763 17 6 456 0 8 101 0 9 126 10 11 266 19 7 106 9 11	$\begin{array}{c} 25,772\ 18\ 6\\ 5,332\ 8\ 0\\ 120\ 18\ 1\\ 499\ 11\ 10\\ 4,187\ 19\ 6\\ \\ \vdots\\ 1.945\ 9\ 10\\ 3,016\ 10\ 4\\ 8,146\ 15\ 10\\ 1,671\ 18\ 8\\ 13,933\ 7\ 10\\ 566\ 2\ 2\\ 11,110\ 1\ 9\\ 5,157\ 5\ 10\\ 3,507\ 14\ 2\\ 1,397\ 6\ 10\\ 5,330\ 2\ 2\\ 1,407\ 15\ 6\\ \end{array}$	28,013 13 5,332 8 192 10 601 9 4,560 6 6 10 2,029 13 1 3,140 0 1 8,147 12 1,756 0 14,488 5 657 17 1 11,873 19 5,613 6 3,608 14 1 1,523 17 5,597 1 1,514 5 14,097 18 24,024 16
	Wycheproof  Irrigation Bacchus Marsh and Boga Boort Campaspe Cohuna Deakin Dingee Gannawarra Kerang Kerang Kerondrook Merbein Nyah Rochester Rodney Shepparton Swan Hill Tragowel Plains Tongala Goulburn Main Cha Goulburn Storages	and Wateriber	der Suppee	oly District	::ts.		2,240 14 11 71 12 6 101 17 9 372 7 1 6 10 8 84 4 1 123 10 7 0 16 6 84 1 8 554 17 11 91 15 9 763 17 6 456 0 8 101 0 9 126 10 11 266 19 7 106 9 11 776 16 7	25,772 18 6 5,332 8 0 120 18 1 499 11 10 4,187 19 6 1,945 9 10 3,016 10 4 8,146 15 10 1,671 18 8 13,933 7 10 566 2 2 11,110 1 9 5,157 5 10 3,507 14 2 1,397 6 10 5,330 2 2 1,407 15 6 13,321 1 6 24,024 16 7	28,013 13 5,332 8 192 10 601 9 4,560 6 6 10 2,029 13 1 3,140 0 1 8,147 12 1,756 0 14,488 5 657 17 1 11,873 19 5,613 6 3,608 14 1 1,523 17 5,597 1 1,514 5 14,097 18 24,024 16
	Wycheproof  Irrigation Bacchus Marsh and Boga Boort Campaspe Cohuna Deakin Dingee Gannawarra Kerang Koondrook Merbein Nyah Rochester Rodney Shepparton Swan Hill Tragowel Plains Tongala Goulburn Main Cha Goulburn Storages Waranga Enlargem	and Watella	der Suppee	oly District	:ts.		2,240 14 11 71 12 6 101 17 9 372 7 1 6 10 8 84 4 1 123 10 7 0 16 6 84 1 8 554 17 11 91 15 9 763 17 6 456 0 8 101 0 9 126 10 11 266 19 7 106 9 11 776 16 7	$\begin{array}{c} 25,772\ 18\ 6\\ 5,332\ 8\ 0\\ 120\ 18\ 1\\ 499\ 11\ 10\\ 4,187\ 19\ 6\\ \\ \vdots\\ 1.945\ 9\ 10\\ 3,016\ 10\ 4\\ 8,146\ 15\ 10\\ 1,671\ 18\ 8\\ 13,933\ 7\ 10\\ 566\ 2\ 2\\ 11,110\ 1\ 9\\ 5,157\ 5\ 10\\ 3,507\ 14\ 2\\ 1,397\ 6\ 10\\ 5,330\ 2\ 2\\ 1,407\ 15\ 6\\ 13,321\ 1\ 6\\ 24,024\ 16\ 7\\ 7,866\ 17\ 8\\ \end{array}$	28,013 13 5,332 8 192 10 601 9 4,560 6 6 10 2,029 13 1 3,140 0 1 8,147 12 1,756 0 14,488 5 657 17 1 11,873 19 5,613 6 3,608 14 1 1,523 17 5,597 1 1,514 5 14.097 18 24,024 16 7,866 17
	Wycheproof  Irrigation Bacchus Marsh and Boga Boort Campaspe Cohuna Deakin Dingee Gannawarra Kerang Kerang Kerondrook Merbein Nyah Rochester Rodney Shepparton Swan Hill Tragowel Plains Tongala Goulburn Main Cha Goulburn Storages	and Watella	der Suppee	oly District	::ts.		2,240 14 11 71 12 6 101 17 9 372 7 1 6 10 8 84 4 1 123 10 7 0 16 6 84 1 8 554 17 11 91 15 9 763 17 6 456 0 8 101 0 9 126 10 11 266 19 7 106 9 11 776 16 7	25,772 18 6 5,332 8 0 120 18 1 499 11 10 4,187 19 6 1,945 9 10 3,016 10 4 8,146 15 10 1,671 18 8 13,933 7 10 566 2 2 11,110 1 9 5,157 5 10 3,507 14 2 1,397 6 10 5,330 2 2 1,407 15 6 13,321 1 6 24,024 16 7 7,866 17 8	28,013 13 5,332 8 192 10 601 9 4,560 6 6 10 2,029 13 1 3,140 0 1 8,147 12 1,756 0 14,488 5 657 17 1 11,873 19 5,613 6 3,608 14 1 1,523 17 5,597 1 1,514 5 14,097 18 24,024 16 7,866 17
	Wycheproof  Irrigation Bacchus Marsh and Boga Boort Campaspe Cohuna Deakin Dingee Gannawarra Kerang Koondrook Merbein Nyah Rochester Rodney Shepparton Swan Hill Tragowel Plains Tongala Goulburn Main Cha Goulburn Storages Waranga Enlargem  Avon, Latrobe, and Goulburn Levees Koo-wee-rup Drain	and Watella Werribed	der Suppee	oly District	::ts.		2,240 14 11 71 12 6 101 17 9 372 7 1 6 10 8 84 4 1 123 10 7 0 16 6 84 1 8 554 17 11 91 15 9 763 17 6 456 0 8 101 0 9 126 10 11 266 19 7 106 9 11 776 16 7	$\begin{array}{c} 25,772\ 18\ 6\\ 5,332\ 8\ 0\\ 120\ 18\ 1\\ 499\ 11\ 10\\ 4,187\ 19\ 6\\ \\ \vdots\\ 1.945\ 9\ 10\\ 3,016\ 10\ 4\\ 8,146\ 15\ 10\\ 1,671\ 18\ 8\\ 13,933\ 7\ 10\\ 566\ 2\ 2\\ 11,110\ 1\ 9\\ 5,157\ 5\ 10\\ 3,507\ 14\ 2\\ 1,397\ 6\ 10\\ 5,330\ 2\ 2\\ 1,407\ 15\ 6\\ 13,321\ 1\ 6\\ 24,024\ 16\ 7\\ 7,866\ 17\ 8\\ \end{array}$	28,013 13 5,332 8 192 10 601 9 4,560 6 6 10 2,029 13 1 3,140 0 1 8,147 12 1,756 0 14,488 5 657 17 1 11,873 19 5,613 6 3,608 14 1 1,523 17 5,597 1 1,514 5 14,097 18 24,024 16 7,866 17
	Wycheproof  Irrigation Bacchus Marsh and Boga Boort Campaspe Cohuna Deakin Dingee Gannawarra Kerang Koondrook Merbein Nyah Rochester Rochester Rochester Rodney Shepparton Swan Hill Tragowel Plains Tongala Goulburn Main Cha Goulburn Storages Waranga Enlargem  Avon, Latrobe, and Goulburn Levees Koo-wee-rup Drain Murray Rivor—Sur	and Watel Werribed	der Suppee	oly District	:ds.		2,240 14 11 71 12 6 101 17 9 372 7 1 6 10 8 84 4 1 123 10 7 0 16 6 84 1 8 554 17 11 91 15 9 763 17 6 456 0 8 101 0 9 126 10 11 266 19 7 106 9 11 776 16 7 13 16 1 261 5 3	25,772 18 6 5,332 8 0 120 18 1 499 11 10 4,187 19 6 1,945 9 10 3,016 10 4 8,146 15 10 1,671 18 8 13,933 7 10 566 2 2 11,110 1 9 5,157 5 10 3,507 14 2 1,397 6 10 5,330 2 2 1,407 15 6 13,321 1 6 24,024 16 7 7,866 17 8	28,013 13 5,332 8 192 10 601 9 4,560 6 6 10 2,029 13 1 3,140 0 1 8,147 12 1,756 0 14,488 5 657 17 1 11,873 19 5,613 6 3,608 14 1 1,523 17 5,597 1 1,514 5 14,097 18 24,024 16 7,866 17
	Wycheproof  Irrigation Bacchus Marsh and Boga Boort Campaspe Cohuna Deakin Dingee Gannawarra Kerang Koondrook Merbein Nyah Rochester Rodney Shepparton Swan Hill Tragowel Plains Tongala Goulburn Main Cha Goulburn Storages Waranga Enlargem  Avon, Latrobe, and Goulburn Levees Koo-wee-rup Draim Murray Rivor—Sur Murray Rivor—Sur	and Wate and Wateribed	ter Suppe	oly Distriction	:ts.		2,240 14 11 71 12 6 101 17 9 372 7 1 6 10 8 84 4 1 123 10 7 0 16 6 84 1 8 554 17 11 91 15 9 763 17 6 456 0 8 101 0 9 126 10 11 266 19 7 106 9 11 776 16 7 13 16 1 261 5 3 39 3 11	25,772 18 6 5,332 8 0 120 18 1 499 11 10 4,187 19 6 1.945 9 10 3,016 10 4 8,146 15 10 1,671 18 8 13,933 7 10 566 2 2 11,110 1 9 5,157 5 10 3,507 14 2 1,397 6 10 5,330 2 2 1,407 15 6 13,321 1 6 24,024 16 7 7,866 17 8	28,013 13 5,332 8 192 10 601 9 4,560 6 6 10 2,029 13 1 3,140 0 1 8,147 12 1,756 0 14,488 5 657 17 1 11,873 19 5,613 6 3,608 14 1 1,523 17 5,597 1 1,514 5 14,097 18 24,024 16 7,866 17  496 1 53 17 494 4 1,533 9 39 8
	Wycheproof  Irrigation Bacchus Marsh and Boga Boort Campaspe Cohuna Deakin Dingee Gannawarra Kerang Koondrook Merbein Nyah Rochester Rochester Rochester Rodney Shepparton Swan Hill Tragowel Plains Tongala Goulburn Main Cha Goulburn Storages Waranga Enlargem  Avon, Latrobe, and Goulburn Levees Koo-wee-rup Drain Murray Rivor—Sur	and Wate and Wateribed	ter Suppe	oly Distriction			2,240 14 11 71 12 6 101 17 9 372 7 1 6 10 8 84 4 1 123 10 7 0 16 6 84 1 8 554 17 11 91 15 9 763 17 6 456 0 8 101 0 9 126 10 11 266 19 7 106 9 11 776 16 7 13 16 1 261 5 3	$\begin{array}{c} 25,772 \ 18 \ 6 \\ 5,332 \ 8 \ 0 \\ 120 \ 18 \ 1 \\ 499 \ 11 \ 10 \\ 4,187 \ 19 \ 6 \\ \\ \vdots \\ 1,945 \ 9 \ 10 \\ 3,016 \ 10 \ 4 \\ 8,146 \ 15 \ 10 \\ 1,671 \ 18 \ 8 \\ 13,933 \ 7 \ 10 \\ 566 \ 2 \ 2 \\ 11,110 \ 1 \ 9 \\ 5,157 \ 5 \ 10 \\ 3,507 \ 14 \ 2 \\ 1,397 \ 6 \ 10 \\ 5,330 \ 2 \ 2 \\ 1,407 \ 15 \ 6 \\ 13,321 \ 1 \ 6 \\ 24,024 \ 16 \ 7 \\ 7,866 \ 17 \ 8 \\ \\ \begin{array}{c} 496 \ 1 \ 11 \\ 40 \ 1 \ 6 \\ 494 \ 4 \ 9 \\ 1,272 \ 4 \ 3 \\ \end{array}$	28,013 13 5,332 8 192 10 601 9 4,560 6 6 10 2,029 13 1 3,140 0 1 8,147 12 1,756 0 14,488 5 657 17 1 11,873 19 5,613 6 3,608 14 1 1,523 17 5,597 1 1,514 5 14,097 18 24,024 16 7,866 17

STATEMENT OF EXPENDITURE DURING THE YEAR ENDED 30TH JUNE, 1915,

BORING FOR WATER, CONSTRUCTION OF TANKS, FORMING ROADS, AND ROLLING MALLEE SCRUB.

This Expenditure was met either by the Lands Department or the Public Works Department.

TO 1 A 337 /						t i	S, (	a.	
. Boring for Water			• •			2.108	0	2	
2 Mallee Tanks (Public Tanks)	• •		• •	• •		6,223	~	_	
Forming Roads	• •	• •	• •		••	10,778	7	$^2$	
4. Rolling Mallee in Disputed Territory	• •	• •	• •		(	4,257 1	9	0	
	Total				£	23 367		- <u>-</u>	5

#### ESTIMATES.

Anticipated requirements to meet Disbursements by the Commission and Estimate of the moneys available from its Revenues to provide the same for the year ending 30th June, 1916, and Estimate of the total amount available from the Revenues of all Authorities to meet interest payable by the State for the year ending 30th June, 1916.

ending 30th June, 1916.			·	•		J
	TIMATED	DISBURSI	EMENTS.			
D D 111 777 1		A.				
Revenue Producing Works—						
Coliban District	~ • •	T	• •	• •	£10,750	
Irrigation and Water	Supply	Districts	• •	• •	47,300	
Waterworks Districts			• •		33,925	
Drainage and Flood I	Protectio	n Distric	ts		100	
General Expenditure	and Sa	laries (pr	oportion)	over		
£250 to be appor	${ m tioned}  { m t}$	o above l	Districts		13,850	
						£ $105,925$
		В.				, ,
Non-Revenue Producing Works-	_					
General Services—						
River Gaugings, Div	ersions	from Stre	eams, Sui	rvevs.		
New Projects, Bo						
General Expendi						
over £250			(P20P0	201011)	£7,000	
Inter-State Conference	e on Mu	rray Wai	ers	• •	100	
Irrigation Engineering			CIB	• •	300	
Loan Works, Services	on $\Lambda$	unt dafra	vad from	Votos		
Waterworks Trusts A			yeu mom	Votes	4,000	
Waterworks Trusts A	ummsu	auon	• •	• •	1,600	619 000
		С.				£13,000
N D D l ' W t		<b>U.</b>				
Non-Revenue Producing Works-	_					
Free Headworks—		•				
Broken River	• •	• •		• •	£250	
Goulburn-Waranga	• •	• •			1,850	
Kow Swamp		• •			1,700	
Loddon River					275	
Lake Lonsdale					400	
Lower Wimmera					125	
North-west Lakes					275	
						£ $4,875$
						£123,800
	<b>ESTIMAT</b>	ED RECE	PTS.			
Coliban District						£38,000
Irrigation and Water Supply Dis	stricts					97,000
Waterworks Districts						64,000
Miscellaneous		••	• • •		• • •	6,000
	• •	••	• •	• •	• •	
						£205,000
						2200,000
Estimated amount available from	om Roy	onno Pro	Junion I	Vonle		
to meet interest			0		<b>£00</b> 075	
Less Expenditure as per "B"	,, and	"((;; a)	ove on	N	£99,075	
					15 055	
revenue Producing Works	• •	• •	• •		17,875	007 000
(D ) 1 1 1 1 T (' ( 1 T)	c	.1				£ $81,200$
To which add Estimated Revent					000 000	
Waterworks Trusts	• •				£39,000	
Local Bodies	• •	• •	• •		.24,000	
						£63,000
Total Estimated amount ava		com Rev	renues o	f all		
Authorities to meet Interest			••	• •		£ $144,200$

# STATEMENT OF LOAN LIABILITY.

STATEMENT of the amount provided by the State to meet Interest on its Loan Expenditure for Works of Water Supply, both State Works of Water Supply and Works vested in Authorities other than the Commission; and of the sums paid from the revenues of the Commission, and from the moneys received from such other Authorities, to provide such Interest for the year ended 30th June, 1915:—

Works.   Total Advances.   Deduct Including Cost of Including First Mildura)   1,505,009   13,136   1,594,873   (A.) 169,927   (C.) Loans and Werribee   List Expenditure	İ		Loan Liability of		ks of Water Supplielbourne Water Su	State for Works of Water Supply at 30th June, 1915, exclusive of Melbourne Water Supply.	5, exclusive		Total Interes debital	Total Interest of £285,847 debitable to—	
Waterworks Districts   2,233,194   29,666   2,209,528   (A.) 169,927     Irrigation and Water Supply Districts   1,608,009   13,136   1,594,873   (A.) 575,152     Goulburn Works (exclusive of Districts supplied are being Free Headworks)   029,993   39   629,954       Pyke's Creek and Werribee   this Expenditure   140,100     140,100       Waterworks Trusts (including First Mildura)   1,421,630   101,530   1,320,100   (A.) 321,665     Local Bodies (Municipalities)			Total Advances, including Cost of Loan Flotation.	Deduct Redemption Paid.	Net Advances.	(A.) Amounts Written Off. (B.) Free Head- works. (C.) Loans Unexpended.	Balance at Debit of Authorities.	Interest payable by State on Net Advances.	(A.) Written Off. (B.) Free Head- works. (C.) Loans Unexpended.	Commission and Other Authorities.	Amount received from Revenues of all Authorities to meet interest.
Trigation and Water Supply Districts   1,608,009   13,136   1,594,873   (A.) 575,152     Goulburn Works (exclusive of Districts supplied are being Free Headworks)   debtied with their proportion of Interest on   140,100   140,100   1,320,100   1,320,100   1,320,100     Pyke's Creek and Werribee   this Expenditure   140,100   1,320,100   1,320,100   1,320,100   1,320,100   1,320,100   1,320,100   1,320,100   1,235,109     Irrigation Trusts Abolished   1,235,109   1,235	1		બ	ધ	ધ્ય	બ	બ	બ	બ	બ	
Trigation and Water Supply Districts		:	2,239,194	29,666	2,209,528	(A.) 169,927	2,039,601	77,000	(A.) 5,913	71,087	£41,158
Goulburn Works (exclusive of Districts supplied are being)   629,993   39   629,954       Free Headworks   Portion of Interest on   140,100     140,100     140,100     140,100     1,421,630   101,530   1,320,100   (A.) 321,665     Irrigation Trusts (including First Mildura)   1,421,630   101,530   1,320,100   (A.) 321,665     Irrigation Trusts Abolished		:	1,608,009	13,136	1,594,873	(A.) 575,152	1,019,721	55,578	(A.) 20,015	35,563	ing £17,737 for non-
Pyke's Creek and Werribee   portion of Interest on this Expenditure   Local Bodies (Municipalities)   1,421,630   101,530   1,320,100   (A.) 321,665     Local Bodies (Municipalities)   1,235,529   420   1,235,109     Free Headworks   1,235,529   420   1,235,109   (B.) 1,235,109     Free Grants to Local Authorities   1,235,529   147,046   (B.) 147,046     Surveys, Exploratory, and Preliminary Works, including Purchase of Land reserved for Reservoirs   112,665   160,555   160,555     Loan Moneys unexpended   1,235,109   112,665   1,235,109   112,665   1,235,109     Loan Moneys unexpended   1,235,109   1,235,109   1,235,109     Loan Moneys unexpended   1,235,109   1,235,109   1,235,109     Loan Moneys unexpended   1,235,109   1,235,109   1,235,109   1,235,109     Loan Moneys unexpended   1,235,109		Goulburn Works (exclusive of Districts supplied are being Free Headworks) debited with their pro-	629,993	39	629,954	:	629,954	21,952	:	21,952	revenue producing works, including
Waterworks Trusts (including First Mildura)        1,421,630       101,530       1,320,100       (A.) 321,665         Local Bodies (Municipalities)         707,921       87,895       620,026       (A.) 163,760         Irrigation Trusts Abolished         32,754       (A.) 32,724       (A.) 32,724         Free Headworks         1,235,529       420       1,235,109       (B.)1,235,109         Free Grants to Local Authorities         147,046       (B.) 147,046       (B.) 147,046         Surveys, Exploratory, and Preliminary Works, including Purchase of Land reserved for Reservoirs        112,665           Loan Moneys unexpended		portion of Interest this Expenditure	140,100	:	140,100	:	140,100	4,881	:	4,881	other State works).
Local Bodies (Municipalities)        707,921       87,895       620,026       (A.) 163,760         Irrigation Trusts Abolished        32,754       30       32,724       (A.) 32,724         Free Headworks        1,235,529       420       1,235,109       (B.)1,235,109         Free Grants to Local Authorities        147.046       (B.) 147,046         Surveys, Exploratory, and Preliminary Works, including Purchase of Land reserved for Reservoirs        112,665         Loan Moneys unexpended.        160,555       (C.) 160,555	,	:	1,421,630	101,530	1,320,100	(A.) 321,665	998,435	46,003	(A.) 11,194	34,809	£50,050 (after deduct-
32,754     30     32,724     (A.)     32,724       1,235,529     420     1,235,109     (B.)1,235,109       147,046      147,046        112,665      112,665        160,555      160,555     (C.) 160,555		:	707,921	87,895	620,026	(A.) 163,760	456,266	21,607	(A.) 5,699	15,908	(ing £3,196 for Capitalized Interest).
1,235,529 420 1,235,109 (B.)1,235,109 147,046 147,046 (B.) 147,046 112,665 112,665 160,555		:	32,754	30	32,724	(A.) 32,724	:	1,139	(A.) 1,139	:	
112,665 147,046 (B.) 147,046 112,665 160,555 (C.) 160,555		: :	1,235,529	420	1,235,109	(B.)1,235,109	:	43,042	(B.) 43,042	:	
112,665 112,665 160,555 (C.) 160,555		:	147.046	:	147,046	(B.) 147,046	:	5,124	(B.) 5,124	:	
160,555 160,555		Surveys, Exploratory, and Preliminary Works, including Purchase of Land reserved for Reservoirs	112,665	:	112,665	:	112,665	3,926	:	3,926	
		:	160,555	:	160,555	(C.) 160,555	:	5,595	(C.) 5,595	:	
8,435,396 232,716 8,202,680 2,805,938		:	8,435,396	232,716	8,202,680	2,805,938	5,396,742	285,847	97,721	188,126	91,208

Dated at the Office of the State Rivers and Water Supply Commission, Treasury Gardens, Melbourne, the 25th day of October 1915.

WM. CATTANACH, Chairman

J. S. DETHRIDGE, Commissioner.

E. SHAW, Commissioner

M. NALLY, Secretary.