1930. VICTORIA.

STATE RIVERS AND WATER SUPPLY COMMISSION.

TWENTY-FIFTH ANNUAL REPORT.

1929-30.

PRESENTED TO BOTH HOUSES OF PARLIAMENT PURSUANT TO THE PROVISIONS OF THE WATER ACT 1928.

APPROXIMATE COST OF REPORT,

Preparation (not given) --Printing (556 copies) ---

STATE RIVERS AND WATER SUPPLY COMMISSION.

WM. CATTANACH, CHAIRMAN,

E. SHAW,

COMMISSIONER,

R. H. HORSFIELD, COMMISSIONER.

ANNUAL REPORT, 1929-30.

In compliance with the provisions of the Water Act 1928, the State Rivers and Water Supply Commission submits the following Report and Statement for the Financial Year 1929-30, and Estimates for the ensuing year.

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 HEADWORKS.

DESCRIP	rion of w	orks.			Capital Debit at 30th June, 1930. Exclusive of cost of Loan Flotation
. Broken River Works:—Casey's Weir to the Broken Creek; Gowangardie. Goulburn River Works:—Weir on the control of the control	· Weir with · Goulburn	offtake sluice . River, about 9 :		e Murchi-	£ 14,853
son; channel therefrom, about 23½ n (but exclusive of the work of its end. Kerang North-West Lakes Works:—with the Pyramid Creek; regulating Sheepwash and Washpen Creeks; Reedy Lake, Middle Lake, Third I Lake, Kangaroo Lake, and Lake Trees.	largement) Weir on t g weirs at channel fr Lake, Lake	the Loddon Rive the effluence from om the Washpen Charm, Race-co	r at its conthe Lodd Creek regurse Lake,	onfluence on of the ulator to Cullen's	739,552
water storage works at these lakes Kow Swamp Works:—Intake from th of the Gunbower Creek; channel the Reservoir; channel along the nor	and that	23,307			
outlet of the reservoir, about 23½ m b. Lake Lonsdale Reservoir :—Reservoir	niles, to the	e left bank of the	Loddon R	iver	187,944
River, near Ledcourt Loddon River Works:—Laanecoorie	 Weir, on t	he Loddon; Bri	. dgewater	Weir, on	49,054
the Loddon; Kinypanial Weir, on Long Lake Pumping Works:—Inle River; water storage works at connecting these lakes; pumping about 7 miles to allotment 10m, p.	the Loddor t to Lake Lake Bal plant at l	n e Baker, from t ker and Long L Long Lake, with	the Little ake, with rising mai	Murray channel in thence	167,789
channels, about 85 miles in length. Lower Wimmera Compensation Works allotment 29, parish of Longereno Dimboola township; Antwerp Wei	 :Drung ng; Dim ir, on the V	Drung Weir, on boola Weir, on t Wimmera, at Ant	the Wimm	era, near era, near	27,346
stead; Jeparit Weir, on the Wimm	era, near J	Separit township	••	••	8,558
Total	·· _ ··	••••	• ••	••	1,218,403
Cost Apportioned and to be	Capital Debit at	Tentative Debits		_	
Name of Work. Soulburn Main Channels (Free Headworks excluded)— 1. East Goulburn Main 2. Waranga Reservoir to Campaspe 3. West of Campaspe	Capital Debit at 30th June, 1930. £ 345,627 375,632 642,394 13,412		to Districts,	1929-30. £ 120,000 100,000 74,000 58,000 57,000 24,000 20,000 15,000 15,000 9,000 509,000	4.055
Name of Work. Goulburn Main Channels (Free Headworks excluded)— 1. East Goulburn Main 2. Waranga Reservoir to Campaspe 3. West of Campaspe 4. Goulburn Main Channel Distributaries	Capital Debit at 30th June, 1930. £ 345,627 375,632 642,394	Rodney Tragowel Plains Rochester Tongala Shepparton Deakin Echuca North Dingee Stanhope	to Districts,	£ 120,000 100,000 74,000 58,000 57,000 24,000 15,000 15,000 9,000	1,377,065
Name of Work. Goulburn Main Channels (Free Headworks excluded)— 1. East Goulburn Main 2. Waranga Reservoir to Campaspe 3. West of Campaspe 4. Goulburn Main Channel Distributaries	Capital Debit at 30th June, 1930. £ 345,627 375,632 642,394 13,412 1,377,065 1,701,480 604,226	Rodney Tragowel Plains Rochester Tongala Shepparton Deakin Echuca North Dingee Stanhope	to Districts,	£ 120,000 100,000 74,000 58,000 57,000 24,000 15,000 15,000 9,000	
Name of Work. Foulburn Main Channels (Free Headworks excluded)— 1. East Goulburn Main 2. Waranga Reservoir to Campaspe 3. West of Campaspe 4. Goulburn Main Channel Distributaries Foulburn Storages— 5. Eildon Reservoir 6. Waranga Reservoir Enlargement Bacchus Marsh and Werribee Schemes— 7. Ballan Tunnel 8. Pykes Creek Reservoir	Capital Debit at 30th June, 1930. £ 345,627 375,632 642,394 13,412 1,377,065 1,701,480 604,226 2,305,706 21,057 137,315	Tentative Debits Rodney Tragowel Plains Rochester Tongala Shepparton Deakin Boort Echuca North Dingee Stanhope South Shepparton Werribee Bacchus Marsh	to Districts,	£ 120,000 100,000 74,000 58,000 57,000 24,000 17,000 15,000 9,000 509,000	
Name of Work. Goulburn Main Channels (Free Headworks excluded)— 1. East Goulburn Main 2. Waranga Reservoir to Campaspe 3. West of Campaspe 4. Goulburn Main Channel Distributaries Goulburn Storages— 5. Eildon Reservoir 6. Waranga Reservoir Enlargement Bacchus Marsh and Werribee Schemes— 7. Ballan Tunnel 8. Pykes Creek Reservoir 9. Melton Reservoir	Capital Debit at 30th June, 1930. £ 345,627 375,632 642,394 13,412 1,377,065 1,701,480 604,226 2,305,706 21,057	Tentative Debits Rodney Tragowel Plains Rochester Tongala Shepparton Deakin Boort Echuca North Dingee Stanhope South Shepparton Werribee Bacchus Marsh Werribee	to Districts	£ 120,000 100,000 74,000 58,000 57,000 24,000 20,000 17,000 15,000 9,000 509,000 33,000 81,428 85,624	2,305,706 243,996
Name of Work. Goulburn Main Channels (Free Headworks excluded)— 1. East Goulburn Main 2. Waranga Reservoir to Campaspe 3. West of Campaspe 4. Goulburn Main Channel Distributaries Goulburn Storages— 5. Eildon Reservoir 6. Waranga Reservoir Enlargement Bacchus Marsh and Werribee Schemes— 7. Ballan Tunnel 8. Pykes Creek Reservoir 9. Melton Reservoir 10. Bellarine Peninsula	Capital Debit at 30th June, 1930. £ 345,627 375,632 642,394 13,412 1,377,065 1,701,480 604,226 2,305,706 21,057 137,315 85,624 243,996 249,193	Tentative Debits Rodney Tragowel Plains Rochester Tongala Shepparton Deakin Boort Echuca North Dingee Stanhope South Shepparton Werribee Bacchus Marsh Werribee Waterworks District	to Districts	£ 120,000 100,000 74,000 58,000 57,000 24,000 17,000 15,000 9,000 509,000 33,000 81,428 85,624	2,305,706 243,996 249,193
Name of Work. Foulburn Main Channels (Free Headworks excluded)— 1. East Goulburn Main 2. Waranga Reservoir to Campaspe 3. West of Campaspe 4. Goulburn Main Channel Distributaries Foulburn Storages— 5. Eildon Reservoir 6. Waranga Reservoir Enlargement Bacchus Marsh and Werribee Schemes— 7. Ballan Tunnel 8. Pykes Creek Reservoir 9. Melton Reservoir 10. Bellarine Peninsula Maffra—Sale Scheme— 11. Glenmaggie Reservoir and Channels Red Cliffs Scheme— 12. Main and Distributary Channels	Capital Debit at 30th June, 1930. £ 345,627 375,632 642,394 13,412 1,377,065 1,701,480 604,226 2,305,706 21,057 137,315 85,624 243,996 249,193	Tentative Debits Rodney Tragowel Plains Rochester Tongala Shepparton Deakin Boort Echuca North Dingee Stanhope South Shepparton Werribee Bacchus Marsh Werribee Waterworks District	to Districts	£ 120,000 100,000 74,000 58,000 57,000 24,000 15,000 15,000 9,000 509,000 33,000 81,428 85,624 bited later ed later	2,305,706 243,996 249,193 1,145,526
Name of Work. Foulburn Main Channels (Free Headworks excluded)— 1. East Goulburn Main 2. Waranga Reservoir to Campaspe 3. West of Campaspe 4. Goulburn Main Channel Distributaries Foulburn Storages— 5. Eildon Reservoir 6. Waranga Reservoir Enlargement 8. Pykes Creek Reservoir 9. Melton Reservoir 10. Bellarine Peninsula Maffra—Sale Scheme— 11. Glenmaggie Reservoir and Channels Red Cliffs Scheme— 12. Main and Distributary Channels Millewa District— 13. Main and Distributary Channels	Capital Debit at 30th June, 1930. £ 345,627 375,632 642,394 13,412 1,377,065 1,701,480 604,226 2,305,706 21,057 137,315 85,624 243,996 249,193 s 1,145,520	Tentative Debits Rodney Tragowel Plains Rochester Tongala Shepparton Deakin Boort Echuca North Dingee Stanhope South Shepparton Werribee Bacchus Marsh Werribee Waterworks Districts Irrigation Districts Irrigation Districts	to Districts	£ 120,000 100,000 74,000 58,000 57,000 24,000 15,000 15,000 9,000 509,000 33,000 81,428 85,624 bited later ed later ed later .ng 470,000	243,996 249,193 1,145,526 768,028
Name of Work. Foulburn Main Channels (Free Headworks excluded)— 1. East Goulburn Main 2. Waranga Reservoir to Campaspe 3. West of Campaspe 4. Goulburn Main Channel Distributaries Foulburn Storages— 5. Eildon Reservoir 6. Waranga Reservoir Enlargement Bacchus Marsh and Werribee Schemes— 7. Ballan Tunnel 8. Pykes Creek Reservoir 9. Melton Reservoir 10. Bellarine Peninsula Maffra—Sale Scheme— 11. Glenmaggie Reservoir and Channels Red Cliffs Scheme— 12. Main and Distributary Channels Millewa District—	Capital Debit at 30th June, 1930. £ 345,627 375,632 642,394 13,412 1,377,065 1,701,480 604,226 2,305,706 21,057 137,315 85,624 243,996 249,193 s 1,145,520 768,028	Tentative Debits Rodney Tragowel Plains Rochester Tongala Shepparton Deakin Boort Echuca North Dingee Stanhope South Shepparton Werribee Bacchus Marsh Werribee Waterworks District Irrigation Districts Irrigation District Debit Waterworks District Lower Kooweerup	to Districts,	£ 120,000 100,000 74,000 58,000 57,000 24,000 17,000 15,000 9,000 509,000 33,000 81,428 85,624 bited later ed later 145,000	1,377,065 2,305,706 243,996 249,193 1,145,520 768,028 490,848

Works under Control of Commission-continued.

Gapital Debit at 30th June, 1930, Exclusive f Cost of Loan

8,224,692

Distributary Works within Districts under the control of the Commission.

Name of District (Including Urban Div	Name of District (Including Urban Divisions)		Capital Written Off by Acts 1625 and 1651.	Redemption Paid to Treasury.	Capital Debit at 30th June, 1930.
		£	£	£	£
1. Bacchus Marsh		102,489	8,906	493	93,090
2. Boort		107,789	35,259	1,794	70,736
3. Calivil		105,594		Ĺ	105,594
4. Campaspe		64,621	52,685	305	11,631
5. Cohuna and Gannawa	rra	386,800	82,376	1,386	303,038
6. Deakin		94,472	34,748	2,144	57,580
7. Dingee		17,084	l	ĺ	17,084
8. Dry Lake		1,704	686	299	719
9. Echuca North		23,493			23,493
10 Figh Point		15,339			15,339
11. Katandra		97,967			97,967
12. Kerang		141,653	35,338	2,334	103,981
13. Koondrook		213,051	30,872	1,562	180,617
14. Leitchville		41,964		ĺ	41,964
15. Merbein		218,440		133	218,307
16. Mystic Park		16,105			16,105
17. North Shepparton		166,493		٠,	166,493
18. Nyah		106,864			106,864
19. Rochester		308,425			308,425
20. Rodney		692,197	149,949	8,967	533,281
21. Shepparton		173,382		584	172,798
22. South Shepparton		57,835			57,835
23. Stanhope		107,950		53	107,897
24. Swan Hill		178,268	19,799	371	158,098
25. Third Lake		24,994			24,994
26. Tongala		140,126		l . <i>.</i>	140,126
27. Tragowel Plains		375,158	124,534	527	250,097
28. Tresco		90,923			90,923
29. Werribee		111,749		10,242	101,507
		4,182,929	575,152	31,194	3,576,583

3,576,583

D.—WATERWORKS DISTRICTS.

Distributary Works within Districts under the control of the Commission.

	Name of District (Including Urban District	3).	'Iotal Capital Expenditure.	Capital Written Off by Acts 1625 and 1651.	Redemption Paid to Treasury.	Capital Debit at 30th June, 1930.
			£	£	£	£
	Birchip)			
	Sea Lake		811,389	700	2,473	808,216
3.	9		Í			
4.	, J)			
	Carwarp		41,817			41,817
6.	Coliban		1,592,466			1,592,466
	Coreena		45,259			45,259
	Dandenong		39,156	5,128	1,506	$32,\!522$
	Dering		11,379			11,379
	Eureka		4,011			4,011
11.	Hindmarsh		26,567			$26,\!567$
	Karkarooc		$265,\!450$		2,893	262,557
	Kerang North-West Lak	es	1,952			1,952
	Kia		6,805	•		6,805
	Long Lake		120,132		1,081	119,051
16.	Mornington Peninsula		744,831			744,831
	Ouyen		18,644			18,644
18.	Pyramid Hill		6,234		1,300	4,934
19.	- J J		251,451		60	251,391
20.	Upper Western Wimmer	a	90,475	$26,\!567$	3,450	60,458
	Upper Wimmera United		128,059	10,918	4,499	112,642
	Walpeup West		42,531			42,531
2 3.	Werribee		11,636			11,636
24.	Western Wimmera		331,776	106,268	13,198	212,310
	Wimmera United		269,697	25,474	10,231	233,992
26.	Wonthaggi		76,544		9,071	67,473
27.	Yelta		5,820			5,820
28.	Wimmera Main Channels	Amounts	106,816			106,816
29.	Wimmera Storages—	being				
	Fyans Lake	debited	43,685			43,685
	Taylors Lake	to t	204,419			204,419
	Pine Lake	Districts	177,178			177,178
	Lake Whitton	benefited	10,336		••	10,336
			5,486,515	175,055	49,762	5,261,698

5,261,698

Works under Control of Commission—continued.

Capital Debit at 30th June, 1930. Exclusive of Cost of Loan Flotation.

Brought forward

17,062,973

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, 1930.	
		£	£	£	£
1. Avoca Water Trust—	ł				
Rural District		8,386	2,494	2,471	3,421
Urban District (Quambatook)		4,444		618	3,826
2. Carrum Waterworks Trust		38,800	7,732	4,411	26,657
3. Loddon United Waterworks Trust-	-	,	,	,	. ,
Rural District		23,411	1,717	6,568	15,126
Urban District (Mitiamo)		5,158		150	5,008
		80,199	11,943	14,218	54,038
				· ·	

Grand Total

£17,062,973

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 24,239 square miles, equal to about 15,513,000 acres.

The area under irrigated culture for all kinds of crops was 566,577 acres, being an increase of 94,882 acres over the area irrigated in the previous year and 151,594 acres above the average of the previous five years. The area irrigated in 1929–30 constitutes a new record, being no less than 89,077 acres over any previous watering. The area irrigated last year includes upwards of 18,000 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 Suburbs, is as shown in the following statement:—

Controlling Authorities.		Number of Towns Supplied.	Estimated Population Served.
Commission		92	118,600
Waterworks Trusts		110	193,000
Local Governing Bodies	•••	17	77,200
Totals		219	388,800

LANDS UNDER IRRIGATED CULTURE.

The two Statements hereunder show the extent of Areas Irrigated—(A) during last year in detail, and (B) during the last five years totalled for purposes of comparison.

(A) STATEMENT OF THE EXTENT OF IRRIGATION AND OF AREAS OF DIFFERENT KINDS OF CROPS WATERED—YEAR 1929-30.

		•					Area Irriga	ted (Acres)			
	Name	of District.		Cereals.	Lucerne grown for Pasture and Hay.	Sorghum and other Annual Fodder Crops.	Pastures.	Vineyards, Orchards, and Gardens.	Fallow.	Miscellaneous.	Total.
Supplied f	rom G	oulburn Sta	te Works.								
Katandra North Sheppar		• ••		0 400	3,671 $2,444$	195 544	824 1,007	53 52	654 56	100 75	7,176 6,641
Shepparton				. 1,460	2,970	720	1,540	8,720	340	260	16,010
South Sheppart		• •		10,500	1,950 35,108	670	1,680	20	70	150	5,660
Rodney Stanhope				1 700	10,907	2,497 652	24,148 494	8,089 308	2,390 139	376	86,138 14,248
Tongala				. 2,926	13,336	1,077	4,469	1,482	813	66	24,16
Rochester	• •	• •		0,000	26,279	5,306	10,344	2,019	673	548	54,97
Echuca North Dingee	• •		•••	1,007	$2,012 \\ 2,127$	329 385	1,947 $1,681$	44	$102 \\ 64$	$\begin{array}{c} 111 \\ 289 \end{array}$	5,50 5,84
Calivil				0.055	1,370	2,119	2,988	35	254	112	9,83
Tragowel Plain	s				1,816	9,565	29,807	33	131	1,107	55,68
Deakin	• •	• • •		_, _	1,247	557	2,462	6	249	2	9,21
Boort	• •		••	5,117	287	4,384	10,144	12	993		20,93
Totals Supplied from		r Mairraai S	State Works	62,977	105,524	29,000	93,535	20,873	6,928	3,202	322,03
(a)	Torru	mbarry We	ir.								
Leitchville	• •		••		1,706	275	942	16	34	57	3,56
ohuna Jannawarra	• •	• • •		1,257 $2,655$	4,023 1,377	1,898 3,184	10,367 $10,012$	113	472	2,488	20,61
Koondrook				1.00=	1,586	4,007	12,060	111 906	$ \begin{array}{c c} 275 \\ 133 \end{array} $	$\frac{985}{223}$	18,59 23,84
wan Hill				1.000	5,059	3,054	4,188	3,067	305		20,59
hird Lake	• •				69	621	2,088		5		3,61
Iystic Park 'resco	• •	••	••	,	313	1,529 93	1,927	1.100	44	٠. ـ	4,88
ish Point				1 040	289	416	1,325	$1,126 \\ 14$::	7	1,26 2,39
Cerang				7,021	824	7,036	27,090	20	420		42,41
ory Lake	T7 T	.1				130	210	2			35
Kerang North-V Lands supplied			istricts)	940 1,230	196 1,388	$\frac{361}{587}$	$1,911 \\ 4,012$	$\begin{array}{c} 503 \\ 25 \end{array}$		7	3,917 7,249
Totals				25,748	16,867	23,191	76,132	5,903	1,688	3,773	153,30
(b)	Direc	t from Rive	r.								
lyah `´		•		60	40			2,610			2,710
led Cliffs ferbein	• •	• •	••		150	30		10,100			10,28
ierbein	• • •	••			50			7,300		• •	7,35
Totals	• •	••		60	240	30		20,010		• •	20,34
	,	·	tate Works)	25,808	17,107	23,221	76,132	25,913	1,688	3,773	173,64
Supplied from		on and Oti Works.	her Northern								
Boort				159	9	136	314		30		64
Coliban				345	542	430	1,872	5,489	122	206	9,000
lampaspe Vestern Wimm	erg.	• •			$\begin{array}{c c} 248 \\ 45 \end{array}$		619	1.007	·· .		1,39
		• •	••		49	91		1,301		• •	1,43
Totals		٠		1,032	844	657	2,805	6,790	152	206	12,48
Supplied from		hern State		25	1 700	.,					
Bacchus Marsh Werribee		• •		25 400	$1,582 \ 3,230$	$\frac{44}{169}$	$\begin{array}{c c} 677 \\ 2,640 \end{array}$	246	139		2,713
Varre Warren	• •	• • •		1	3,230	1.09	2,640	$\frac{305}{650}$	800	775	8,319 650
Iaffra		• •		510	1,570	1,537	3,945		1,006	448	9,010
ale	••	••			1,333	906	2,229	• •	383	177	5,133
Totals		··	••	1,040	7,715	2,656	9,491	1,201	2,328	1,400	25,83
Supple irst Mildura D		m other W	orks.		264	121		11 200			17.01
rivate Diversi			side Districts	546	157	$\frac{121}{546}$	1,486	11,288		171	11,84 2,73
ther Private I					3,500	3,200	2,800	4,200	1,500	400	18,00
Totals				2,946	3,921	3,867	4,286	15,488	1,500	571	32,57
Grand	Totals	1929-30		93,803	135,111	59,401	186,249	70,265	12,596	9,152	566,57
Grand	Totals	, 1928–29		60,880	122,441	41,130	154,459	70,681	11,120	10,984	471,69
/D\ (OVERA	DAMINE S	STATEMENT					-			, =11,09

(B) Comparative Statement of the Extent of Irrigation, 1925-26 to 1929-30.

	Area under Irrigation (Acres).					
Source of Supply.	1925-26,	1926-27.	1927–28.	1928–29.	1929-30	
Goulburn State Works	175,313 112,775 14,882 10,593 30,122	206,459 140,256 12,205 16,894 30,718	261,812 156,202 14,485 14,085 30,916	245,658 160,760 14,172 19,888 31,217	322,039 173,642 12,486 25,831 32,579	
Totals	343,685	406,532	477,500	471,695	566,577	

VALUATIONS, RATES, FLOOD PROTECTION CHARGES, 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, flood protection charges, and compulsory irrigation charges made in all Districts. 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 Urban Waterworks Districts of Dooen, Meringur, and Yaapeet, and for a half-year in the Urban Districts of Antwerp and Murrabit, while in the Hindmarsh Waterworks District a rate was also, for the first time, made.

On the application of the Werribee Shire Council, the Urban Waterworks District of Werribee was constituted a Local Governing Body, and now receives its supply from the Melbourne and Metropolitan Board of Works.

In thirty-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. The Lower Kooweerup and Cardinia Flood Protection Districts, where the charging is on an acreage basis, were similarly divided into three divisions. As heretofore in the Urban portion of the Coliban system, a minimum and tapering rate has been made, while the Carrum Waterworks Trust District has, as in past years, been arranged in five rating divisions in accordance with the relative benefits derived by such lands from the works.

Under the powers conferred by Section 62 of the *Water Act* 1928, a minimum annual rate on the basis of £10 13s. 4d. per 640 acres was fixed by the Commission on the first division lands of the Birchip, Carwarp, Karkarooc, Long Lake, Sea Lake, Tyntynder, Tyrrell, Upper Western Wimmera, Upper Wimmera United, Western Wimmera, Wimmera United, Wycheproof, and Yelta Waterworks Districts, while in the Baring, Carwarp Central, and Kia Districts the minimum was fixed at £16 per 640 acres, in the Eureka District at £18 13s. 4d. per 640 acres, in the Dering and Millewa Districts at £21 6s. 8d. per 640 acres, in the Hindmarsh District at £24 per 640 acres, in the Millewa Central District at £26 13s. 4d. per 640 acres, in the Coreena District at £34 13s. 4d. per 640 acres, and in the Walpeup West Waterworks District at £5 6s. 8d. per 640 acres.

In twenty-five Districts the Commission made and levied compulsory irrigation charges, while in five Flood Protection Districts and in five Waterworks Trusts Districts taken over by the Commission a rate or charge was also made. Details of all rates and charges made are set out hereunder:—

A.—VALUATIONS, RATES, AND FLOOD PROTECTION CHARGES.

for Domestic and Ordinary Use and for Watering Cattle	Rate in the £1 made during Year ended 30th June, 1930.	Period of Rate.	Estimated Number of Persons dwelling in District.
---	--	-----------------	---

IRRIGATION AND WATER SUPPLY DISTRICTS

•	Valuation by	Divisions.						
	Commission.	lst.	2nd.	3rd.			J	,
	£	s. d.	s. d.	s. d.				
1. Bacchus Marsh	15,006	1 0			lst July, 192	29 , to 30 tl	June, 1930	794 .
2. Boort	18,200	2 0	1 0		,,	,,	,,	660
3. Calivil	12,588	1 0		••.	,,	,,	,,	200
4. CAMPASPE	11,190	2 0	1 0	0 6	,,	,,	,,	5 7 6
5. Cohuna	22,576	2 0	1 0	• •	,,	,,	,,	1,008
6. Deakin	52, 096	1 8	0 10	0 5	,,	,,	,,	1,730
7. DINGEE	3,603	1 0		٠.	,,	,,	,,	200
8. Dry Lake	25 0	(No	rate ma	de)		• •		14
9. Echuca North	5,7 51	1 0	0 6		lst July, 19	29, to 30 tl	1930 June, 1930	56 8
10. Fish Point	1,643	1 0	•••	••	,,	,,	,,	155
11. Gannawarra	19,954	2 0	1 0	•••	,,	,,	,,	617
12. Katandra	8,449	1 0		• •	,,	,,	,,	630
13. Kerang	20,969	2 4	1 2	0 7	,,	,,	,,	1,130
14. Koondrook	23 ,249	2 0	1 0		,,	,,	,,	1,240
15. LEITCHVILLE	7,708	2 0	• •		,,	**	,,	175
16. Maffra	33,086	1 0	٠.		,,,	,,	,,	1,103
17. Merbein	26,497	1 0			,,	,,	٠,,	3,50 0
18. Mystic Park	4,622	1 0			,,	,,	,,	107
19. NORTH SHEPPARTON	36,456	1 0		٠	,,.	,,	,,	1,280

A -VALUATIONS, RATES, AND FLOOD PROTECTION CHARGES-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 £1 made during year ended 30th June, 1930	Period of Rate.	Estimated Number of Persons dwelling in District.

IRRIGATION AND WATER SUPPLY DISTRICTS—continued.

		Valuation by	Divisions.							
		Commission.		st.	2nd.	3rd.			į	
		£	s.	d	s. d.	s. d.				
20. Nyah		6,809	1	0		• •	1st July, 19	29, to 301	th June,1930	1,000
21. RED CLIFFS		23,623	1	0 .			,,	,,	,,	2,750
		66,640	1	0	0 6	0 3	,;	,,	,,	4,190
23. Rodney		144,940	1	0	0 6	0 3	29	,,	,,	5,475
24. SALE	٠.	15,842	1	0			,,	,,	,,	675
25. Shepparton	٠.	38,909	1	0			,,	,,	,,	2,520
26. South Shepparton		15,117	1	0		••	,,	,,	,,	530
27. STANHOPE		15,085	1	0		• •	,,	,,	,,	770
28. SWAN HILL	• •	24,401	1	0	• • •		,,	17	,,	1,490
29. THIRD LAKE		2,431	2	0	••		,,	,,	,,	165
30. Tongala	• •	29,318	1	0		••	,,	,,	,,	2,250
31. Tragowel Plains	• •	43,595	1	0	0 6	• •	,,	,,	"	1,730
32. WERRIBEE	• •	17,401	1	0		••	,,	,,	,,	1,107

WATERWORKS DISTRICTS.

33. AXE CREEK	1,683	2 0			lst July, 19	929, to 30th	h June, 1930	260
34 Baring	1,235	5 0	2 6	1 3	,,	,,	,,	150
35. Вівенір	40,519	$2 ext{ } 4$	1 2	0 7	,,	, ,,	,,	2,645
36. CARWARP	9,397	3 10	1 11	$0 11\frac{1}{2}$, ,,	32	**	760
37. CARWARP CENTRAL	1,065	5 0	2 6		,	,,	,,	200
38. COREENA	12,148	5 0	2 6	1 3	,,	,,	,,	400
39. Dering	2,392	6 0	3 0	1 6	,,	,,	,,	211
40. EUREKA	1,797	4 0	2 0	1 0	,,	,,	,,	115
41. HARCOURT	8,686	1 6			,,	,,	,,	600
42. HINDMARSH	8,961	3 6		'	,,	,,	,,	238
43. Karkarooc	147,963	2 2	1 1	$0 6\frac{1}{2}$,,	,,	,,	4,000
44. Kerang N.W. Lakes	8,074	0 6			,,	,,	,,	575
45. Kia	5,055	5 0	2 6	1 3	,,	,,	,,	300
46. Long Lake	72,554	2 10	1 5	$0 \ 8\frac{1}{2}$,,	,,	,,	2,330
47. MILLEWA	13,521	5 0	2 6	1 3	,,	,,	,,	2,350
48. MILLEWA CENTRAL	8,991	7 6	3 9		,,	,,	,.	1,250
49. NARRE WARREN	3,219	1 0		••	,,	,,	,,	250
50. SEA LAKE	67,539	2 8	1 4	0 8	,,	5)	,,	2,405
51. TYNTYNDER	56,507	3 4	1 8	0 10	,,	,,,	,,	3,000
52. TYRRELL	103,816	3 4	1 8	0 10	,,	,,	,,	5,630
53. Upper West'n Wimmera	64,970	1 6	0 9	$0 \ 4\frac{1}{2}$,,	,,	,,	1,685
54. Upper Wimmera United	114,257	1 6	0 9	$0 \ 4\frac{1}{2}$,,	,,	,,	2,750
55. WALPEUP WEST	74,058	0 9	$0 \ 4\frac{1}{2}$,,	,,	,,	2,900
56. Werribee	7,813	2 0	~		,,	,,	,,	140
57. WESTERN WIMMERA	305,562	1 2	0 7	$0 \ 3\frac{1}{2}$,,	,,	,,	8,800
58. WIMMERA UNITED	344,169	1 2	0 7	$0 \ 3\frac{1}{2}$,,	, ,	,,	7,800
59. WYCHEPROOF	77,518	2 4	1 2	0 7	,,	,,	"	2,945
60. YELTA	2,771	3 4	٠.		,,	,,	"	150

WATERWORKS TRUSTS.

•	Municipal Valuation. £			s. d.	İ			
61. Avoca	40,849	· · ·	(-	lst January, December,	1930, 1930	to 31st	990
62. MITIAMO (URBAN)	732			4 0	,,	,,	,,	190
63 QUAMBATOOK (URBAN)	4,370	••		$2 \cdot 6$,,	,,	,,	330
64. CARRUM	30,502	1st Division		3 8	,,	,,	,,	1,500
		2nd Division		1 10				
•		3rd Division	:	1 0				
		4th Division	(0 10	İ			
•		5th Division	(3				
	Valuation by Commission. £						۴	
65. Loddon United	100,321	1st Division	(8 (. ,,	,,	,,	3,520
		2nd Division	() 4				
		3rd Division	(2				

A.—VALUATIONS, RATES, AND FLOOD PROTECTION CHARGES—continued.

Districts Supplied with Wa for Domestic and Ordina Use and for Watering Catt or other Stock.	ry	Annual Value of Lands and Tenements.	dı	te in the iring year 0th June,	ende	d		Period of	Rate.	Estimated Number of Persons dwelling in District.
		URBAN	DIVIS	SIONS	A ND	DI	ISTRICTS			
•		Municipal Valuation.						•		
66. Antwerp		3 10			s. 2	d .	1st Jan.,19	30, to 30	th June, 1930	75
67. BACCHUS MARSH	• •	17,380			1	6		-	th June, 1930	1,872
68. Berriwillock 69. Berwick	•••	1,669	••		3	6	,,	,,	,,	16 0
70. BEULAH		5,259 4,798	••		$\frac{2}{2}$	$\frac{0}{3}$,,	,,	,,	900 500
71. Birchip		8,090	• •		1	8	,,	"	"	970
72. BITTERN		439	٠.		3	0	,,	,,	,,	90
73. Brim 74. Carrum	••	1,432 88,652	• •	• •	4	0	,,	,,	. ,,	230
75. CARRUM		207		• • •	$\frac{1}{5}$	4 0	"	,,	,,	6,355 40
76. CHILLINGOLLAH		602	••	•••	5	ő	,,,	,,	"	90
77. CHINKAPOOK	• •	677			6	0	,,	,,	,,	120
78. COHUNA 79. COROP	••	10,060 27 1	• •	••	1	9	,,	>>	"	984
80. Cranbourne		2,824	• •		$\frac{2}{2}$	0	"	,,	,,	$\begin{array}{c} 90 \\ 250 \end{array}$
81. CULGOA		1,502			3	6	,,	,,	,,	250 155
82. DANDENONG		60,276	• •		1	3	,,	,,	,,	4,500
83. DIMBOOLA 84. DINGEE		15,830 494	• •	• •	1	6	,,	**	,,	1,615
85, Dooen		174	• • •	• •	$\frac{4}{2}$	0	,,	,,	,,	90 30
86. Frankston		51,634	•••	• • •	1	4	,,	"	,,	5 ,42 0
87. Hastings	••	2,003			3	0	,,	"	,,	450
88. Hopetoun	••	7,259	••		2	3	,,	,,	,,	700
89. Jeparit 90. Jung Jung		8,958 959	• •	• • •	$\frac{1}{3}$	9 0	,,	"	,,	860
91. Koondrook	::	3,906			$\frac{3}{2}$	6	• • • • • • • • • • • • • • • • • • • •	,,	,,	168 485
92. LAKE BOGA		2,584			3	0	**	"	», »,	370
93. LALBERT	••	1,161	• •		5	0	"	,,	,,	15 5
94. Lascelles 95. Leitchville	• •	1,216 2,450	••	• •	3	6	٠,,	,,	>1	130
96. Lockington	::	1,516	• •	••	$\frac{3}{3}$	0 6	,,	,,	,,	$\frac{224}{240}$
97. MANANGATANG		2,451	• • •		3	6	,,	"	,,	200
98. Marnoo	••	1,752	••		3	6	,,	"	,,	300
99. Marong 100. Merbein	••	768 8,640	• •	• •	3	0	,,	,,	,,	300
101. MERINGUR	::	400	• •	• •	$\frac{3}{7}$	$0 \\ 0$,,	,,	"	7 00 1 3 0
102. MINYIP		6,055		•	2	9	"	"	,,	800
103. Mornington	• •	33,307	••		1	6	,,	,,	,,	2,270
104. MOUNT MARTHA 105. MURRABIT	• •	5,038 230	• •	• •	$\frac{2}{3}$	$\frac{3}{0}$); lot Inn. 10	20 4- 204	h June, 1930	150
106. NANDALY		382		• • •	6	0	,		h June, 1930	$\frac{40}{105}$
107. NATIMUK		4,000			1	6	,,	,,	,,	-590
108. North Wonthaggi	1	3,878			2	0	,,	,,	,,	1,000
109. Nullawil		872 842	• •	• •	.5 2	$\frac{0}{6}$,,	,,	,,	103
111 NYAH WEST		4,754			$\frac{2}{2}$	9	,,	,,	,,	170 3 00
112. OUYEN		12,550			2	6	,,	,,	,,	900
113. PAKENHAM 114. PATCHEWOLLOCK	• •	5,949	• •	• •	2	0	,,	,,	,,	650
115. PIANGIL		610 1,8 6 9	• •		$\frac{6}{3}$	$\frac{0}{6}$,,	,,	. 21	$\frac{155}{220}$
116. PYRAMID HILL		2,912		· ·	3	0	,,	"	,,	60)
117. Rainbow		9,663	• •		1	9	,,	,,	,, .	960
118. RED CLIFFS 119. RUPANYUP		10,034 5,671	••	• •	$\frac{3}{2}$	9	,,	,,	,,	77 0
120. SEA LAKE		7,665			$\frac{2}{2}$	0	,,	,,	"	700 610
121. Somerville		1,649			$\frac{1}{2}$	6	,,	,,	,,	260
122. South Frankston		11,771			2	6	,,	,,	,,	715
123. SPEED 124. SPRINGVALE	••	528 23,311	• •	• •	10	$\begin{array}{c} 0 \\ 6 \end{array}$,, `	. ,,	,,	110
125. STANHOPE	::	894	••	• •	1 4	0	,,	,,	"	1,820 300
126. Tempy		510			6	6	,,,	"	,,	135
127. ULTIMA	,	3,190	• •		3	0	,,,	**	,,	39 0
128. WAITCHIE 129. WATCHEM	••	$\begin{array}{c} 375 \\ 2,419 \end{array}$	• •	• •	$\frac{5}{3}$	0	,,	,,	",	90
129. WATCHEM 130. WERRIMULL	:	870	• •	• •	о 7	0	,,	,,	***	260 150
131. Wonthaggi		35,525		• • •	i	6	,,	,,	"	9,000
132. WOOMELANG	,.	2,886	• •		2	9	,,	,,	. ,,	420
133. WOORINEN 134. WYCHEPROOF		546 9,136	••	• •	. 2	0	,,	,,	,,	60 805
135. YAAPEET		388	• • •		7	0 6	,,	,,	,,	$\frac{805}{105}$
		300				•	,,	,,	,,	100

A .- Valuations, Rates, and Flood Protection Charges -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 £1 made during year ended 30th June, 1930.	Pe	riod of Rate.		Estimated Number of Persons dwelling in District
		COLIBAN SYSTEM	Ι.			
136. Coliban	Municipal Valuation. £ 386,942	s. d. On Valuations up to £300 1 6 (Minimum 20s.) From £301 up to £700 1 3 From £701 on 1 0 Vacant lands 1 6	1st July, June, 1	1929, to 930	30th	62,000
	FLOOL	PROTECTION DIS	STRICTS		_	
	Valuation by Commission.	s. d.				
137. Есниса (Нідн-ят.)	1,454 Acres.	1 0	1st July, June, 1	1929, to	30th	80
138. CARDINIA	36,206	1st Div. (p.ac.) 3 0 2nd Div. (p.ac.) 1 6	. **	,,	"	900
139. Lower Kooweerup	54,834	3rd Div. (p.ac.) 0 9 1st Div. (p.ac.) 2 0 2nd Div. (p.ac.) 1 0		"	,,	2,700
140. KANYAPELLA	14,494	3rd Div. (p.ac.) 0 6 1st Div. (p.ac.) 0 7 2nd Div. (p.ac.) 0 3	,,	,,	,,	68
141. Loch Garry	40,886	Per acre 0 6	- 1	,,	,,	200

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	6,684	3,360	3,360	22s. 6 d.	1st Octob	ar 1999	to 30th	April, 1930
2 (7	34,662	22,231	22,334	6s.				April, 1930
9 D	6,383	4,494	4,494	7s.	_			•
4 E N	13,863	5,591	5,660	7s. 6d.	,,	**	,,	,,
r Was - Daram		3,761	1,847	8s.	, "	"	**	,,
0,	5,788	19,765	19,839	6s.	,,	,,	• •	٠,
6. GANNAWARRA	52,766	18,840	18,840	6s	,,	"	,,	,,
7. Koondrook	61,848		1 ' .	7s.	,,	,,	**	,,
8. Leitchville	13,239	11,455 10,284	3,851	10s.	,,	**	"	"
9. Maffra	23,083		8,987	24s.	1 at A a	,, ,, 1090 4	,, to 204h A	:1 1020
10. Merbein	8,427	7,631	19,029	Min. 60s. per acre	1st Augus	st, 1949, t	to 50th A	pril, 1930
11. Mystic Park	18,181	9,076	3,074	6s.	1st Septe	mber, 192	9, to 30th	April, 1930
12. Nyah	3,680	3,085	7,652	20s. Min. 50s. per acre		st, 1929, t		
13. Red Cliffs	30,880	11,143	27,859	28s.		,,	,,	
14 ROCHESTER	170,014	54,359	55,046	68	1st Septer	mber. 1929	9. to 3 0th	April, 1930
15. Rodney	2 6 8,003	190,142	59,611	6s.	,,	,,	, ,,	,,
16, SALE	15,053	8,074	3,635	10s.	,,,	,,	,,	,,
17. Shepparton	24,683	21,794	21,794	6s.	,,	,,	,,	,,
18. SOUTH SHEPPARTON	33,6 08	18,888	4,735	8s.	37	,,	. ,,	"
19. Stanhope	26,005	18,800	17,682	6s.	,,	,,	,,	. ,,
20. SWAN HILL	36,453	21,486	21,486	6s.	,,	,,	,	,,
21. THIRD LAKE	12,128	4,128	2,753	7s.	,,	,,	,,	,,
22. Tongala	45,4 80	29,454	29,036	6s.	,,	"	,,) ,
23. TRAGOWEL PLAINS	212,7 50	147,840	31,308	7s.	,,	,,	,,	,,
24. Tresco	3,894	2,398	5,995	16s.	1st Janua			
25. Werribee	9,982	7,908	7,931	Min. 40s. per acre. 12s.	1st Octob	er, 1929,	to 30th A	pril, 1930

CONTRACTS.

STATEMENT OF CONTRACTS ENTERED INTO DURING THE YEAR ENDED 30TH JUNE, 1930.

No.	Name of Contractor.	Work or Supply.	Amount (Loan and Vote.)
			£ s. d
2599	H. C. Bridges	Earthen Storage, Rupanyup	1,253 13 (
2600	Thompsons Engineering & Pipe Co. Ltd.	Mild Steel Bends, Bellarine Peninsula	630 0
2601	Bethune Bros	Boring for Water, Walpeup West	153 12
2602	A. J. Lindorff	Firewood, Nyah	212 17
2603	S. Sedgman	Firewood, Nyah	378 12
2604	P. Mannix, Snr	Firewood, Nyah	722 16
2605	A. W. Osborne	Firewood, Nyah	715 0
2606	A. Jeans	Firewood, Nyah	162 16
2607	A. J. Bell	Firewood, Nyah	538 17
2608	T. McCredden	Firewood, Nyah	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
2609	Howe & Jeffers J. H. Storer	Firewood, Tresco	400 11
2610	T en o	Firewood, Merbein Firewood, Merbein	562 10
2611		TO TOME TO	400 3
2612	A. Storer	Tay a Tay 1	390 19
2613	The Table of	Firewood, Merbein	198 0
$\frac{2614}{2615}$	3.5 30 80 .	Firewood, Merbein Firewood, Merbein	568 15
$\begin{array}{c} 2616 \\ \end{array}$	D T M DI	TN: 1 AF 1 :	547 9
$\frac{2616}{2617}$	TTT TO 11	THE YEAR IN	451 7
$\frac{2617}{2618}$	W. Russell	Firewood, Merbein	833 6
$\frac{2018}{2619}$	W. Russell	Firewood, Merbein	383 6
2620	J. A. Bettie	Firewood, Merbein	441 13
$\frac{2620}{2621}$	J. A. Bettie	Firewood, Merbein	228 7
$\frac{2621}{2622}$	M. O'Halloran	Firewood, Merbein	451 10
$2622 \\ 2623$	S. G. Massie	Firewood, Merbein	197 12
2624	J. H. Russell	Firewood, Merbein	218 15
2625	J. H. Russell	Firewood, Merbein	452 14
2626	Australian Wood Pipe Co. Ltd	Wood Pipes, Bellarine Peninsula	4,662 19
2627	F. Russell	Firewood, Merbein	537 13
2628	Hume Steel Limited	Steel Pipes, Eaglehawk	3.386 7
2629	L. A. McTaggart	Firewood, Merbein	277 1
2630	Mephan Ferguson Pty. Ltd	Steel Pipes, Wimmera-Mallee	5,178 5
2631	B. Holland	Earthen Storage, Ultima	445 7 8
2632	E. E. Creen	Earthen Storage, Antwerp	494 10 1
2633	Australian Wood Pipe Co. Ltd	Wood Stave Pipes, Bendigo	371 5
2634	W. E. Chatterton	Boring for Water, Walpeup West	123 0 0
2635	W. Kiley	Eastern Goulburn Main Channel Extension	242 14 4
2636	W. Kiley	Eastern Goulburn Main Channel Extension	246 7
2637	W. E. Chatterton	Boring for Water, Walpeup West	350 0 0
2638	C. Tucknott	Eastern Goulburn Main Channel Extension	201 3 8
2639	D. Cameron	Eastern Goulburn Main Channel Extension	244 1 9
2640	E. J. D. Finegan	Embankment, Kilmany Park Estate	1,335 0 0
2641	M. P. Kairns	Firewood, Merbein	700 0 0
2642	Ronaldson Bros. & Tippett	Oil Engines, Walpeup West	1,892 0 (
2643	G. W. Kelly & Lewis Pty. Ltd	Centrifugal Pumps, Walpeup West	325 10
2644	Australian Cement Ltd	2,500 tons cement	11,500 0 0
2645	Australian Wood Pipe Co. Ltd	Wood Stave Pipes, Bunyip-Garfield	5,961 4 1
2646	Australian Wood Pipe Co. Ltd	Wood Stave Pipes, Crib Point	1,499 8 9
2647	Gibson Battle (Melb.) Pty. Ltd	Needle Valves, Eildon Reservoir	5,612 0 0
2648	Thompsons Engineering & Pipe Co. Ltd.	Control Valves, Eildon Reservoir	2,500 0 0
2649	Hume Steel Ltd	Steel Pipes, Walpeup West	2,413 2
2650	Australian Cement Ltd	3,000 tons cement	13,800 0
2651	E. Kelly	Earthen Storage, Werrimull	445 17
2652	Australian Wood Pipe Co. Ltd.	Wood Stave Pipes, Heyfield	2,942 13
	Sundry small contracts at piece-work rates		00.170
	Distributary channels		60,172 0
		ro . I	140.071
		Total	140,071 4

DIRECT LABOUR.

The construction of the larger works is still being mainly carried out by "Direct Labour." The principal payments during the year were on the following works:—

Works.						Amount.
Eildon Reservoir				 		£152,714
Wimmera-Mallee System				 		91,632
River Murray Storages (Hume Reservoir and	Traffic D	iversions)		 	• • .	89,700
Rochester, Rodney, Shepparton, Stanhope, a	nd Tonga	la Distric	ts	 		48,427
Goulburn Main Channels				 	٠.	44,427
Bellarine Peninsula				 		43,488
Mornington Peninsula				 		39,760
Maffra District (Glenmaggie Reservoir) and S	ale Distri	ct		 		27,835
Cohuna, Kerang, Kerang Lakes, Koondrook,	and Myst	ic Park D	istricts	 • • •	• •	25,818
Boort, Tragowel Plains, Nyah, and Swan Hil	l Districts			 		23,328
Bacchus Marsh and Werribee Districts				 		19,307
Coliban District				 		18,670
Merbein, Millewa, Red Cliffs, Coreena, Carwar	rp, and W	alpeup D	istricts	 • •		17,661
Kooweerup, Cardinia, and Other Flood Prote	etion Dist	ricts		 		9,906
Other Districts				 		8,484
Campaspe and Loddon River Storages				 		3,639
Mallee Tanks and Clearing Roads (Mallee)	• •	• •		 • •	• •	3,614
	Г	otal		 		£668,410

WORKS CARRIED ON OR COMPLETED DURING THE YEAR ENDED 30TH JUNE, 1930.

Throughout all Districts the work of extending and remodelling channels was continued. Many old structures were replaced thereby increasing the efficiency of the various channel systems. The benefit of such works was shown by the fact that despite a very dry season being experienced, all demands for water were satisfactorily met.

Set out in the following pages are the chief items of interest relating to each respective

District.

COLIBAN SYSTEM.

Included under this System are the important City of Bendigo, the important Towns of

Castlemaine, Eaglehawk, and Maldon, and the adjoining townships and districts.

At Jackass Flat, near California Gully, a system of supplying irrigation water under pressure through pipes is being installed and should be in operation during this season. A similar scheme was satisfactorily established at South Lockwood about two years ago.

The work of replacing the old "Lightning Hill" Syphon at Eaglehawk was completed, and an improved supply to Raywood, Sebastian and adjoining areas is provided.

With a view to giving a full water supply to North Bendigo and Eaglehawk, a comprehensive scheme for remodelling the reticulations governing these places is being prepared, and will be carried out as opportunity permits. A number of general improvements and extensions of other parts of the reticulation system at Bendigo were also carried out.

To improve the supply to the high level areas at Taradale, two elevated tanks were

erected on the outskirts of the township.

IRRIGATION AND WATER SUPPLY DISTRICTS.

RODNEY DISTRICT.

The quantity of water delivered for irrigation purposes during the year was 90,000 acre feet, being 40 per cent. more than the quantity delivered in any previous season. area of land watered, 86,000 acres, is the largest area watered in any one season.

Three hundred Dethridge Meters have been installed and are proving most successful in

regulating and computing volumes of water used.

About 15 miles of channels were remodelled and enlarged, while numerous requests for extensions and enlargement of channels are being examined.

DISTRICTS ADMINISTERED FROM SHEPPARTON CENTRE.

In the Shepparton District, the principal works carried out were for drainage, while in the South Shepparton District concrete channel structures and an outfall for the main drainage system of No. 2 Estate were constructed.

The North Shepparton District was further extended by the construction of 4 miles of the Narioka Main Channel, and another 2 miles of this channel are being constructed. Investigations were made and work put in hand for the construction of $4\frac{1}{2}$ miles of channel to supply the Bunbartha area which is to be added to the North Shepparton District.

In Katandra District, 4 miles of domestic and stock channel were so improved that a

supply to the township of Wunghnu was maintained throughout the dry summer months.

A total of 42,583 acre feet of water was supplied in the districts administered from Shepparton Centre, being an increase of 13,458 acre feet on the quantity supplied last year.

SWAN HILL DISTRICT.

General improvements to the channel system and some new channelling works were carried out. The past season was exceptionally dry and the demand for irrigation water heavy, but all requirements were met.

DISTRICTS ADMINISTERED FROM KERANG CENTRE.

The past irrigation season, both for duration and quantity of water delivered, was a record. Notwithstanding the heavy demands, however, it was possible to meet all requirements, the Torrumbarry Weir again proving of immense value by maintaining the water in the River Murray at a level suitable for gravitation.

The work of enlarging and reconditioning the No. 5 Macorna North Channel in the Kerang District is proceeding, while designs for the proposed 12 feet diameter syphons at Calival and Nine Mile Creeks, Macorna Channel, were prepared, and construction will be put in hand when the necessary money is available. A number of drainage schemes to meet conditions in areas adjoining the District are now being investigated. In the Koondrook District, a reticulated supply for Murrabit Township was completed

and an Urban Division was proclaimed.

Further meters were installed in the Third Lake District and, as in other Districts, are proving most satisfactory in not only recording the water supplied but also regulating its use.

DISTRICTS ADMINISTERED FROM COHUNA CENTRE.

The water rights allotted to the three Districts, Cohuna, Gannawarra, and Leitchville, were greatly exceeded during the season, and the total quantity of water supplied, over 65,000 acre feet, constituted a record.

The Cohuna District has been extended to embrace 1,881 acres of land on Gunbower

Island, the supply to which has been improved and added to by the Commission.

In the Leitchville District drainage works were extended and the boundaries of the

District were amended to include an area of 3,423 acres now served by the new drains.

Drainage works are receiving close attention and a Main Drain is being constructed and surveys of other drains have been made in order to prevent seepage of lands adjoining the Pyramid Creek. The portions of these lands at present outside any constituted District will be included in the adjacent constituted Districts.

In the Cohuna and Leitchville Urban Divisions improvements were effected in the water

supply works.

DISTRICTS ADMINISTERED FROM LODDON CENTRE.

A record quantity of 69,000 acre feet of water was supplied to these Districts during the season, such quantity being 66 per cent. over and above water rights.

Remodelling of channels and installation of new structures were carried out in the Tragowel

In the Calivil District, the construction of channels and structures to supply lands immediately to the west of Bullock Creek was completed, and irrigation water was supplied as the work progressed.

The water supply to the Pyramid Hill Urban District was improved, both as regards

quantity and pressure, by the completion of a new standpipe.

BOORT DISTRICT.

One result of the season's operations in this District was the increased efficiency ratio of water deliveries. The main contributory factors to this improvement were the use of meters and the benefit arising from the substitution of channels in place of the Kinypaniel Creek as a main carrier to supply North Boort. The total quantity of water delivered during the season was 18.027 acre feet.

DISTRICTS ADMINISTERED FROM ROCHESTER CENTRE.

The season in the Rochester District extended over a period of nearly ten months, the total deliveries of water amounting to 74,142 acre feet, and the area irrigated being 55,000 acres, which is far in excess of any previous season.

Following the construction of supply channels in Wharparilla and Turrumberry North the area of the District was increased by nearly 5,000 acres, making the total now 170,000 acres.

The Cornelia Creek Channel No. 2 is being remodelled by means of a dragline excavator, and this work when completed will considerably improve the supply to the Echuca North District. Record deliveries were also made in the Campaspe District, where cereals were watered.

DISTRICTS ADMINISTERED FROM TONGALA CENTRE.

A record amount of water, being about 33 per cent. more than in any previous year, was delivered in these Districts during the season. Notwithstanding the heavy demand, all requirements were met without difficulty.

The enlargement of the Wyuna Main Channel was proceeded with, $6\frac{1}{2}$ miles being practically

completed.

In the Tongala District, further works for drainage were carried out. The No. 1A and No. 2 Main Drainage Channels were completed, the total length being 37 miles.

The drainage works in the Stanhope District were completed.

In the Deakin District, irrigation channels, about 4 miles in length, were carried out to supply lands in the proposed Timmering Irrigation District. An application of other landholders for inclusion in this proposed District was approved and the necessary supply channel is being constructed.

New structures were erected on the Deakin Main Drainage Channel in the Echuca North

District.

BACCHUS MARSH AND WERRIBEE DISTRICTS.

In the Bacchus Marsh District, protective works consisting of timber and stone cribs were carried out on portions of the Coimadai Creek to prevent scouring of the banks. Similarly constructed works on the Lerderderg and Werribee Rivers are still in excellent condition.

To improve its carrying capacity, 100 feet of the Pykes Creek Tunnel at Ballan was concreted. Additional plantings of Pinus insignis seedlings were made on the eastern slopes of the The trees planted in 1924-26 are still making good progress. Pykes Creek Reservoir.

At the Commission's workshops at Bacchus Marsh, 437 large and 152 small Dethridge

Meters were constructed for use in Districts under the Commission's control.

In the Werribee District, concrete lining of channels was continued and the Main Channel was cleaned out, thereby restoring its capacity to the maximum. Ample supplies of water for domestic and stock purposes were made available to lands in the Waterworks District.

As forecasted, the change in the control and supply of the Werribee Urban District was made

during the year. The Werribee Shire Council now controls this District, water being purchased

from the Melbourne and Metropolitan Board of Works.

MERBEIN DISTRICT.

This District is now controlled from Red Cliffs, thus reducing administration costs.

waterings were given, five being under water rights and two being special waterings.

The quantity of water pumped was somewhat less than last year, and this fact, taking into account the dry weather conditions, indicates an improvement in the water distribution and irrigation methods, particularly as yields were not affected by the reduced quantity.

Meters to measure water applied to typical soils have been installed in order to ascertain

more accurately the water requirements of the District.

An electrically driven pump was installed for the Merbein Urban District water supply.

RED CLIFFS DISTRICT.

The irrigation requirements of this District were fully met, five waterings being given. An improvement was effected in the distribution as, notwi hstanding the very dry year, a volume of water less than in the previous season was pumped. The crops were not affected by the smaller quantity used, 17,000 tons of dried fruits being delivered to packing sheds, or the same quantity as last year, and, had not adverse drying conditions reduced the quantity, the yield would have considerably exceeded last season's total.

The water supply to the Red Cliffs Urban Division was improved as a result of the installation of a larger engine and pump. A plant for the chlorination of water was installed, and this should improve the River Murray water for domestic consumption under all conditions.

NYAH DISTRICT.

Practically all the channel reticulation in this District is now concrete lined, the total length being about 45 miles.

Last year's record of dried fruit production, 3,500 tons, was exceeded, the total packs for

all sheds this year being 4,200 tons.

Mystic Park, Tresco, and Fish Point Districts.

In the Mystic Park District some 8 miles of original channels were remodelled and 32 chains of new channel were made. A full supply was given to all irrigators during the season.

Construction work in the Tresco District for the year was confined to the lining with concrete of $4\frac{1}{2}$ chains of earthen channel and the remodelling of some structures.

The total length of channels to supply lands in Fish Point District is now 18 miles 14 chains, 38 chains of earthen channel having been constructed during the year.

KERANG NORTH-WEST LAKES DISTRICT.

During the irrigation season the North-west Lakes storages were maintained at or near full supply level by a carefully regulated supply from the Torrumbarry Weir.

MAFFRA-SALE IRRIGATION DISTRICTS.

The area of lands under irrigated culture in these Districts has increased from 9,009 acres in the 1928–29 season to 14,151 acres in 1929–30, and this rate of progress is expected to continue.

Channel extensions to supply additional lands were carried out, while 10½ miles of channel to supply water to the Heyfield Township Reservoir were constructed. This channel will also be used to supply water to adjoining lands for domestic and stock and irrigation purposes.

The construction of drainage channels was continued. The Main Nuntin Drainage Channel,

which was completed for $8\frac{1}{2}$ miles, proved of great benefit by carrying off water from heavy rainfall. The Airly-Nuntin Drainage Channel has been constructed, making it possible to now cultivate all suitable land on Airly Estate. Other important works for the effective drainage of the Sale District are now in hand, and will be expedited so as to give relief in wet seasons.

The main works for supply to the reticulation of the township of Heyfield being completed.

the works of completing the reticulation itself are being put in hand.

Many applications from outside landholders were received for the inclusion of their lands in the Irrigation Districts, and surveys are being carried out to ascertain the areas commandable.

The development of blocks on Closer Settlement Estates in the Districts greatly increased, and many holdings should reach their full capacity in the coming year. Many inquiries are being received for irrigated holdings now that the benefit of irrigation has been so substantially proved.

INVESTIGATIONS OF NEW IRRIGATION AND WATER SUPPLY PROPOSALS.

In view of the progress that has been made with the Hume Reservoir on the River Murray, which at an early date will have a storage capacity of 500,000 acre feet, plans are being prepared by the Commission for a diversion weir at or near Yarrawonga by means of which water could be supplied by gravitation for the irrigation of lands commanded. It is hoped that New South Wales will join in the cost of the construction of this weir and negotiations are proceeding to this end. Negotiations which are likely to be successful are also proceeding with the State Electricity Commission of Victoria for the supply of electric power to pump water to lands not governed by the proposed weir. Contour surveys are now in hand of lands in the Rutherglen, Yarrawonga, and Cobram areas which are likely to be supplied with water for irrigation.

Investigations are proceeding to ascertain whether it would be possible to provide at a reasonable cost more storage on the Loddon River by increasing the capacity of the present Laanecoorie Reservoir. A preliminary investigation has also been carried out in connexion with proposals to utilize the waters of the Upper Loddon River and branches for the water supply to the comparatively high country extending from Newstead to Maryborough and Dunolly.

Preparatory work has been put in hand on a minor scheme to store the waters of the Campaspe River at Eppalock. The proposal is to construct a storage which, while providing for a domestic and stock supply to a very large area of land not at present supplied, would, by means of the Waranga Western Channel, supplement the supply to the Wimmera–Mallee. The scheme would, in addition, provide a useful irrigation supply to suitable lands in the Campaspe Valley.

In regard to the proposals to provide supplies from the Goulburn System to lands in Patho, Turrumberry North and Terricks East area, a contour survey is now being carried out. Surveys of portions of the channels necessary to supply water to the Terricks area along the eastern side of Bullock Creek have been made and construction of channels has commenced.

Surveys are being carried out in the Maffra-Sale Districts in compliance with strong requests for the inclusion of additional lands in the irrigation areas.

Investigations for an extension from the Waranga Western Channel to provide a water supply to Quambatook, Leaghur, and Normanville areas were completed, and the construction of the channel is being proceeded with. With regard to the possible extension of the Boort District, contour surveys of the area between the District boundary and a proposed channel line to Normanville are being carried out.

Requests having been made by holders of lands adjacent to the Werribee District for an irrigation supply, investigations are being carried out by boring to ascertain the suitability of a site for a dam at Cobbledick's Ford on the Werribee River for storage purposes.

Estimates of cost of works to provide a water supply to certain lands in the Shires of Bulla, Keilor, Melton, Braybrook, and Werribee were submitted to the interested municipal and other bodies who, after conference, appointed a committee to further consider the proposals.

A request has been received for a comprehensive scheme of pipe reticulated water supply from the Otway Ranges to Camperdown, Cobden, Terang, Mortlake, Warrnambool, Koroit, and Port Fairy, and a number of smaller townships in the Western District in the vicinity of the project. Investigations are being made with a view to submitting a proposal for consideration by the authorities at the various centres concerned.

To supplement the Grampians storages, the headworks of the important Wimmera-Mallee Water Supply System, it was decided to divert portion of the waters of the Glenelg River into such storages. A commencement has been made with the construction of the main diversion channel, 30 miles in length, and it is estimated that in a normal season 30,000 to 40,000 acre feet of water will be thus made available to the Wimmera-Mallee from this source.

WATERWORKS DISTRICTS.

CARWARP AND CARWARP CENTRAL DISTRICTS.

Notwithstanding that the dry conditions caused channels to be filled with drift sand, water was run through the whole system in these Districts and all requirements were met.

Coreena District.

The total length of channels in this District is now $92\frac{1}{2}$ miles, and a further 7 miles 65 chains are being constructed and should be completed in time for the next watering.

The second annual watering of the District commenced early in September, 1929, and was completed before the end of November, 1929. The watering lasted 56 days, during which time about 88 miles of channel were run and 75 tanks were filled.

YELTA DISTRICT.

During the year the channel system was cleaned out and the supply of water for domestic and stock requirements was satisfactorily provided. At the request of a syndicate of settlers, an emergency supply consisting of two waterings on 60 acres of land was given for fodder growing, and the successful large growth of green fodder was of considerable value to the settlers concerned and will repay them for the cost involved.

WIMMERA-MALLEE WATER SUPPLY.

The series of dry seasons which have been experienced during the past six years has not yet definitely broken; and, although the forthcoming season has opened satisfactorily, the run off from most of the water catchments supplying the above area is still far below normal.

The new Waranga Western Channel Extension has more than justified its construction; the watering of the northern portion of the area supplied from this source was this year completed two months earlier than usual.

A commencement was made with the construction of a main channel, some 30 miles in length with a capacity of 100 cusecs, from the Upper Glenelg River to supplement the Wimmera storages (Taylors Lake and Pine Lake) which have been seriously depleted as a result of the recent series of dry years. It is estimated that in a normal season 30,000 to 40,000 acre feet of water will be made available to the Wimmera–Mallee System from this source without adversely affecting the flow in the lower Glenelg River. It is expected that the channel will be completed and in operation during the present year.

The difficult season passed through this year has been more severe than any year since 1914–15 and caused many channels not previously affected by sand drift to become filled. The cleaning out of these channels was carried out as a relief work at piecework rates by district farmers and settlers whose crops failed, and such work proved of great benefit to them.

Full supplies of water for domestic and stock purposes were, in spite of the unfavorable conditions, provided through the 6,000 miles of channels in the area of 11,000 square miles now comprising the system.

Sufficient supplies of water were also given to a number of towns within the Wimmera-Mallee Districts controlled by local Waterworks Trusts, as well as to the steadily increasing number of towns whose reticulation systems are administered directly by the Commission, of which there are now 37, namely:—

${f Antwerp}$	$\operatorname{Dimboola}$	Marnoo	Patchewollock	Ultima
$\operatorname{Berriwillock}$	Dooen	\mathbf{Minyip}	$\operatorname{Quambatook}$	Waitchie
Beulah	$\operatorname{Hopetoun}$	Nandaly	Rainbow	${f Watchem}$
Birchip	$\overline{ m Jeparit}$	${f Natimuk}$	Rupanyup	Woomelang
$\operatorname{Brim}^{\perp}$	Jung Jung	Nullawil	Sea Lake	Woorinen
Chillingollah	$\operatorname{Lalbert}$	Nyah West	Speed	Wycheproof
Chinkapook	$\operatorname{Lascelles}$	Ouyen	Tempy	Yaapeet
Culgoa	Manangatang	-		-

Western Wimmera, Upper Western Wimmera, Wimmera United, Upper Wimmera United, Karkarooc, and Hindmarsh Districts.

During the year a water supply was given for the first time to an area of 56 square miles known as the Hindmarsh District. This country adjoins the Western Wimmera District and is west of the Wimmera River and directly south of Lake Hindmarsh. The underground supplies met with farther west are not available here, while catchments are poor. Supply was given by gravitation from the Wimmera-Mallee system, the river being crossed by a pipe syphon 1 mile 56 chains long, from which water is distributed through 36 miles of earthen channels. A new reticulated supply for the township of Antwerp was also installed in connexion with these works. Channel extensions totalling 19½ miles in length were also carried out, chiefly in the parishes of Katyil, Lalbert, Longerenong, Drung Drung and Rupanyup.

At Hopetoun and Rupanyup additional storages of 50,000 cubic yards each were constructed

At Hopetoun and Rupanyup additional storages of 50,000 cubic yards each were constructed to augment the town reservoirs, and extensions to mains were carried out in the towns of Rainbow, Jeparit, Dimboola, Beulah, Hopetoun and Watchem.

At Dimboola and Watchem auxiliary pumps in connexion with the town supplies were installed and the pumping plant at Minyip was remodelled.

BIRCHIP, WYCHEPROOF, SEA LAKE, DERING, EUREKA, BARING, AND TYRRELL DISTRICTS.

Eighty-five miles of channel extension were constructed and watered during the year in the parishes of Wycheproof, Teddywaddy, Charlton West, Nyang and Underbool. Supply was for the first time given to an area near Underbool, and during the ensuing season the channel system will be further extended to the Underbool Township and vicinity.

Construction work in connexion with the water supply to the high country adjacent to Walpeup has been undertaken and this area will be supplied before the end of the present watering

season by pumping from the main Dennying Channel.

Improvements to Speed and Tempy town storages have been made, and extensions to mains and remodelling have been carried out in the towns of Wycheproof, Sea Lake, Berriwillock, and Ouyen.

LONG LAKE AND TYNTYNDER DISTRICTS.

Several short extensions of channels were made in the above Districts, and an additional storage was constructed for the Ultima town supply, while improvements were made to the Quambatook storage.

Extensions to mains were carried out in the towns of Piangil, Nyah West, Ultima and

Manangatang.

MORNINGTON PENINSULA DISTRICTS.

Satisfactory progress has been made with the construction of the new Eumenmerring Reservoir some 3 miles north-east of Dandenong, and 1,000 acre feet of water can be stored in the basin at a depth of 26 feet.

The work of reticulating the townships of Garfield, Bunyip and Crib Point from the Mornington Peninsula Water Supply Scheme was commenced, and is now so well advanced that the whole of these schemes will be completed to enable the townspeople to obtain the benefits of a reticulated water supply during the coming summer season.

The existing reticulation systems of the various townships throughout the scheme were considerably extended and numerous applications for further extensions have been received.

A scheme of water supply to the important bayside townships, extending from Dromana to Portsea, was submitted through the Flinders Shire Council for consideration by the residents concerned.

The works in connexion with the Commission's scheme of improvement of the Kananook Creek, prepared at the special request of the Frankston Shire Council and being carried out at the Council's cost, are considerably advanced. The erection of the jetty at Seaford, in conjunction with the 39-inch diameter suction pipes and the electrically-driven centrifugal pump, was completed. This pump will take a supply of 60 cusecs from Hobson's Bay and will deliver the sea water through a 48-inch diameter concrete main along Station-street into the Kananook Creek. Arrangements have been made so that this flushing stream can be diverted either to Frankston or the Paterson River at Carrum as desired. The Commission's dragline excavator now on loan to the Frankston Shire Council is making good progress in cleaning out and enlarging the Kananook Creek.

The Public Works Department has also loaned a substantial barge to the Council for the purpose of cleaning out the Creek at the Frankston end, and this barge is now in operation.

Bellarine Peninsula Water Supply Scheme.

Further substantial progress was made during the year with this scheme. The main inlet channel to the Wurdee Boluc Storage has been considerably extended and now taps the flows of

the East and the West Pennyroyal, Retreat, Matthews, Goslings and Dewings Creeks.

As there is a practically permanent flow in the East Barwon River and as it is most desirable to safeguard and improve storage supplies, it is proposed early in the coming year to extend the main inlet channel for a further $6\frac{1}{2}$ miles to pick up that river's flow. This work, which involves the installation of 29 chains of 54-inch diameter steel pipe syphon and the construction of 12 chains of fluming, is expected to be ready for operation before next summer. The main works of supply are rapidly approaching completion and it is proposed to now undertake the extension of the main pipe line to the Bellarine Peninsula, the construction of local service basins, and the pipe reticulation of the various towns on the Peninsula.

Supplies of water for the City of Geelong have already been made available to augment as required the shortages of the Geelong Waterworks and Sewerage Trust reservoirs, which were seriously depleted as the result of the recent series of abnormally dry years.

Wonthaggi District.

The works of this District having been extended to provide for the reticulation of the Hicksborough Township, properties at that place were connected with the water mains and the Hicksborough Urban District was proclaimed. An aerator was erected at the Service Basin at Wonthaggi and arrangements were also made to install a chemical treatment plant to improve the quality of the water.

NORTHERN MALLEE WATER SUPPLY.

In the Northern Mallee areas, adjoining those supplied by the Wimmera-Mallee scheme, but above the levels of its channels, a considerable amount of work has been done in opening up new country by cutting tracks, clearing, and grubbing roads, and in providing tanks, bores, and other means of water supply for contractors and new settlers.

BORES

Six additional bores have been put down in the Walpeup West Waterworks District. Three bores, one each in the parishes of Purnya, Manpy and Pallarang were completed during the year and water of fair to good quality was struck at depths of 517 feet, 386 feet and 445 feet respectively. In the unallotted country south of the township of Murrayville, three bores were put down to depths of 300 feet, 301 feet and 367 feet respectively, excellent water being obtained in each bore. A bore put down in the parish of Koonda by a contractor under guarantee that if usable water was not obtained he was to receive no payment for work done, was unfortunately not successful.

Successful bores in the Northern Mallee now number 109.

TANKS.

There are in the Mallee areas 260 public earthen tanks of total storage capacity 1,209,617 cubic yards, equal to 204,425,000 gallons. Of these tanks, 61 are in the county of Millewa, and have a total storage capacity of 125,268 cubic yards, equal to 21,170,000 gallons.

ARTIFICIAL CATCHMENTS.

In continuance of its policy of constructing artificial catchments of sheet iron discharging into watertight covered storages to supply water to lands which cannot be economically served from the ordinary channel system, the Commission completed the construction of six ironclad catchments and tanks of varying sizes which are operating very satisfactorily. The total number of artificial catchment installations is now 12.

WINDMILLS.

The windmills and hand pumps, erected by the Commission at suitable points along the River Murray for the purpose of supplying soldier settlers on the Murray frontages, have operated satisfactorily during the year.

Roads.

The total length of roads grubbed and cleared by the Commission in the Mallee is now 5,887 miles, 98 miles having been grubbed during the year. Sixty tracks over sandhills totalling 8 miles 30 chains in length were also improved by rubbling with local limestone.

MILLEWA AND MILLEWA CENTRAL WATERWORKS DISTRICTS.

Abundant supplies were made available to the above Districts during the sixth annual watering of this system. As supplies are drawn from the River Murray by pumping in winter and spring, no scarcity of water was felt.

Owing to the extremely dry conditions, sand drift into channels, which now total at least 670 miles in length, was exceptionally severe during the past season. Arrangements were made to have the cleaning carried out at piecework rates by settlers whose crops had failed.

The storages for the reticulated supplies to the towns of Werrimull and Meringur have been either enlarged or improved, while some extensions to mains were made in each place.

Surveys are being carried out for extensions of the channel system to provide a water supply to the country commanded by the new railway extension from Meringur to Morkalla.

DRAINAGE AND FLOOD PROTECTION SCHEMES.

KOOWEERUP AND CARDINIA.

The Commission, in order to establish as far as possible an effective system of internal drainage to cope with local conditions, has, for the past year, confined operations, within the Kooweerup and Cardinia Districts, chiefly to the reconstruction of lateral feeders. During the year approximately 65 miles of these subsidiary and minor drains have been reconstructed or cleaned out and regraded. All growth has been removed from 20 miles of main channel reserve, and 50 miles of drains and banks have been treated for the extermination of vermin and noxious weeds.

In the Cardinia District, the enlargement by dredger of the Toomuc Catch Drain has been

extended 1½ miles to the southern boundary of Hagelthorn's Estate.

During the year in the two Districts approximately 30,000 cubic yards of earthwork have been removed. Structural work has included the building of 4 timber bridges; the installation of pipe outlets and 20 concrete spillovers, and the necessary maintenance and repairs to existing structures.

Privately owned suction plants have during the year continued operations steadily, under an arrangement with the Commission, for the removal of coarse clean sand from the Kooweerup Main Canal. The total output of sand by such plants to date is approximately 230,000 tons, for which a royalty of 3d. per ton has been paid to the Commission. The removal of this sand, which is sold for various utilities, assists materially in maintaining an efficient discharge section in the canal.

ECHUCA.

During the year the levee banks in this District again proved effective for the purpose for which they were designed and constructed.

LOCH GARRY.

Owing to the absence of floods in the Goulburn River, the Loch Garry Flood Protection works were not called into operation during the past year, but the fact that greater areas are being placed under crop each year in the flood protected district shows that the landowners are making full use of the protection which the scheme affords.

Kanyapella.

The flow of the Goulburn River kept within the banks last year and the protection works were not therefore put to use, but all works for the protection of this District are being maintained in good order.

CARRUM.

During the year the dragline excavator enlarged portion of the internal drainage system in the Carrum area so as to satisfactorily deal with local drainage water in the area in periods of

The Rossiter's Road and McCool's Drains have been remodelled and are now of ample capacity to deal with internal waters. It is proposed to connect this system of channels with the Kananook Creek so as to provide when available a flushing stream for the Creek.

MURRAY LEVEES.

The Interstate Committee, appointed for the purpose, dealt with a number of applications received during the year for permission to carry out works to protect lands from the effect of floods in the River Murray.

RIVER EROSION, DRAINAGE, AND GENERAL.

A number of applications were received during the year for permission to construct flood protection, drainage and other works, and, where investigations showed that the proposals were reasonable, permission under the Water Act 1928 was granted to carry out the required works at the applicants own cost.

On behalf of the Closer Settlement Board, the Commission supervised the construction of a levee bank to protect the Island Morass, Kilmany Park Estate, Sale, from flooding from the Latrobe River. A channel, to divert to the Latrobe River the water flowing into the Island Morass

from the local catchment, was also constructed under the Commission's supervision.

On the Avon River, in the Maffra District, the work of preventing the river bank from scour adjacent to the Commission's channels was continued, 50 chains of stone cribbing being erected. This work was well tested by a rapid rise in the river and proved satisfactory.

RIVER GAUGING.

As provided by section 32 of the Water Act 1928, the work of gauging and recording the flows of the principal rivers and streams of the State was continued. Weekly returns showing the volumes of water stored in reservoirs were made available for publication.

New gauging stations were established on the Werribee River at Cobbledick's Ford, the Carlisle River at Carlisle River Settlement, the Creswick Creek at Tourello, the Bullarook Creek at Clunes Weir, and the Jim Crow Creek at Franklinford. As sufficient information has been obtained in regard to the behaviour of the Yarrowee River at Garibaldi, the gauging of this stream has been discontinued. The number of gauging stations in the State is now 67.

In conjunction with the Water Conservation and Irrigation Commission, New South Wales, a new gauging station was established on the River Murray at a site above Albury to measure the regulated flow from the Hume Reservoir. The gaugings at this station are being taken by the Water Conservation and Irrigation Commission of New South Wales.

DIVERSION OF WATER.

In the exercise of the right of the State to the use and flow, and to the control, of water in rivers, creeks, streams and watercourses, lakes, lagoons, swamps, and marshes, supervision has been maintained over all such waters.

Consequent on the low flow in many streams, it was found necessary about the middle of January to regulate and restrict diversions of water from the Loddon River above Laanecoorie, the Murray River below Wodonga, the Broken River, tributaries of the Ovens and King Rivers, and Creighton's, Seven, Willimigongon and Fifteen-mile Creeks. These restrictions were continued during the remainder of the irrigation season.

The conditions during the year were favorable for irrigation, and the demand for authority to divert water was in excess of the previous year. Authorized diversions now in force are:

Yearly permits	 	 	1,963
Flood permit	 	 · .	1
Licences	 	 	13
			$\overline{1,977}$

GOULBURN HEADWORKS AND MAIN CHANNELS.

These works comprise the Goulburn Weir; the Goulburn-Waranga Channel, extending from the weir to Waranga Reservoir, a distance of $23\frac{1}{2}$ miles; the Waranga Reservoir, the Waranga Rodney Channel, a distance of $4\frac{1}{2}$ miles; the Main Channel, extending westerly from the Waranga

Reservoir to the Loddon River, a distance of 98 miles; the Waranga Western Main Channel. Extension, extending north-westerly from the Loddon River a distance of 36 miles, and the Leaghur-Normanville Main Channel from that point northerly for a distance of 4 miles; the Tandarra-Calivil Main Channel, extending from 64 miles 69 chains on the Waranga Western Main Channel north-westerly to Tragowel Plains No. 1 Main Channel, a distance of 26 miles; and the Main Eastern Channel, which extends from the Goulburn Weir to the Katandra Area, a distance of 51 miles. The total length of main channels is 243 miles. The Irrigation Districts supplied are South Shepparton, Shepparton, North Shepparton, Katandra, Rodney, Deakin, Tongala, Stanhope, Rochester, Echuca North, Dingee, Calivil, Tragowel Plains and Boort.

An estimate has been prepared for a proposed auxiliary channel to increase by 600 cubic feet per second the maximum volume that can now be delivered through the Goulburn-Waranga Channel into Waranga Reservoir from the Goulburn Weir. Construction of this channel is now

under consideration and some preliminary work has been put in hand.

A commencement has been made with the construction of a further 2 miles of the Eastern Goulburn Main Channel Extension to supply water for the irrigation of lands beyond the southern boundary of the Parish of Dunbulbalane, which lands will later be included in either the Katandra or North Shepparton Irrigation District. The excavation work, involving about 39,000 cubic yards of earth, has been completed and the erection of structures is in progress. It is proposed to further extend this main channel beyond the eastern boundary of the parish of Dunbulbalane, and to construct a branch channel to the Broken Creek.

The enlargement of the Eastern Goulburn Main Channel has proceeded satisfactorily, two dragline excavators and a bucket dredge being employed on this work practically throughout the year. The enlargement of this channel has now been completed for a total length of 23 miles; 5 miles involving the excavation of 176,000 cubic yards of material have been completed during the year. Eight and a half miles of enlargement remain to be done, and it is proposed to continue this work to completion, conditionally on funds being provided. The beaching of a strip of the side slopes of the deep sections of the channel as enlarged from the Goulburn Storage to a point

5 miles therefrom has also been continued as opportunity permitted.

The enlargement of the Waranga Western Main Channel, to meet the requirements of proposed extensions in Rochester, Calivil, Tragowel Plains and other Districts, as well as for additional requirements arising from the extension of the channel west of the Loddon River, has proceeded satisfactorily. Three dragline excavators, operating on sections requiring immediate enlargement, have been employed continuously. The capacity of the channel has been considerably increased for some 18½ miles, 7 miles having been completed during the past year. As the enlargement of the channel section from Waranga Reservoir to Rochester is really the governing factor of the supply, it is proposed to concentrate on its enlargement, and, with a view to expediting this work, one of the dragline excavators from the Eastern Goulburn Channel is being transferred to Colbinabbin to operate on the section.

Construction of the Emergency Outlet on the Waranga-Western Channel at 25 miles 19 chains has been completed, while urgent necessary repairs were carried out to the Wanalta and Nine-mile Creek Regulators and the Myer's Creek Syphon.

A commencement has been made with the construction of the Terricks Main Channel No. 1, which takes off from the Tandarra-Calivil Channel near Dingee, and will provide a supply

to lands along the eastern side of Bullock Creek.

Construction of the Leaghur-Normanville Channel taking off from the Waranga Western Channel Extension about 6½ miles south-west from Boort, to provide a domestic and stock water supply to the Normanville area, and to lands between that area and the Avoca River near Quambatook, with provision later for limited irrigation, and to the Leaghur areas has been put in hand.

NEW STORAGES.

EILDON RESERVOIR.

During the year good progress was made in carrying out the recommendations of the Inquiry Board referred to in the last report. Considerable quantities of additional rockfill were placed in the bank on either side of the reinforced concrete corewall, an enlarged drainage system was installed along a great length at the base of the corewall, and a reinforced concrete tunnel was built along the face of the concrete spillway to lead water to the opening for the emergency or power outlet. The members of the Inquiry Board inspected the remedial works undertaken in accordance with their recommendations, and expressed satisfaction with the progress and the manner in which they were being carried out. The work is now so far advanced that the Commission is in the position to store 200,000 acre feet of water.

PYKES CREEK RESERVOIR ENLARGEMENT.

The raising of the dam to R.L. 1,316 feet was continued to completion, except for general cleaning up and dismantling of plant and buildings.

The necessary road deviations were finished early in the year and the new road bridge

over Myer's Creek was opened for traffic in February.

TOTAL STORAGES IN STATE.

In 1902 the total capacity of storages in the State was 172,000 acre feet. The present capacity is 1,273,920 acre feet, which has been temporarily reduced during repairs to Eildon Reservoir. When the Wimmera Storages, Glenmaggie, and Eumemmerring Reservoirs are completed, the total capacity will be about 1,351,520 acre feet. The Hume Reservoir, in course of construction, will, unless otherwise decided by the Commonwealth and State Governments, contain 2,000,000 acre feet, half of which can, subject to the provisions of the River Murray Agreement, be credited to the State of Victoria. The following statement sets out the capacities of the various storages in the State:—

			EXISTING	STORAG	ES.				
Goulburn System—							Ca	pacities in Acı	e Feet.
Goulburn Weir			• •					20,700	
Waranga	٠.							333,400	
Eildon (200,000 acre	feet during	g repair)	• •	• •		• •		306,000	
Murray-Loddon System									660,100
Hume Reservoir (par	t of 2.000.	000 acre	feet-half	share)				50,000	
Kow Swamp								40,860	
Laanecoorie								14,000	
Kerang North-west L	akes							92,000	
Lake Boga								28,000	
Long Lake		• •	• •		• •			3,820	
Wimmera-Mallee System	m.								228,680
Lake Lonsdale								45,480	
Wartook	• •						• •	23,800	
Fyans Lake								17,100	
Taylors Lake								30,000	-
Pine Lake (part of 62								52,000	
Lower Wimmera Wei	$\dot{\mathbf{r}}_{\mathbf{S}}$							2,870	
Batyo Catyo (Avon R	Regulator)		• •					5,000	
Lake Whitton								1,300	
Earthen Storages, To	wnship ${ m Re}$	servoirs,	and Malle	ee Tanks	• •			5,610	
Maffra Sala Sustam									183,160
Maffra-Sale System— Glenmaggie Reservoir	(nort of	L50 000 a	cre feet)						104,500
Glenmaggie Reservon	(part or	100,000 a	1016 1061)	••	• •	••	• •	••	101,000
Coliban System—									
Upper Čoliban						••		25,700	
${f Malmsbury}$	• •			••	• •	• •	• •	12,300	
Subsidiary Reservoirs		• •	• ;	'	• •	• •	• •	6,930	44.000
Werribee—									44,930
Pykes Creek								21,000	
Melton								17,000	
		• •	• •						38,000
Bellarine Peninsula Sys	stem—							10.000	ŕ
Wurdee Boluc		• •	••	• •	• •	• •	• •	10,000	
Service Basins	• •	• •	• •	• •	• •	• •	• •	260	10,260
Mornington Peninsula	System—								10,200
Beaconsfield, Frankst	on, and M	orning to	n Reservo	irs				1,560	
Service Basins						• •		180	
Eumemmerring Reser	rvoir (part	of 3,100	acre feet)			••		1,000	0 - 10
Miscellaneous-								_,**	2,740
Wonthaggi									1,550
Wolfinaggi	••	••	••	• •	• •			-	
Total cap	acity of e	existing	Storages		••		• •	••	1,273,920
								-	
ADDITIONAL	STORAGE	BEING P	ROVIDED	BY WOR	KS IN CO	URSE OF	CONST	RUCTION.	
Winners Mallos Sasto	120								
Wimmera-Mallee System Pine Lake (balance of	//. — f 62 ∩∩∩ ∘/	cre feet)						10,000	
			••			••		20,000	
	••								30,000
Maffra-Sale System— Glenmaggie Reservoi	r (balance	of 150,0	00 acre fee	et)					45,500
Mornington Peninsula Eumemmerring Rese	<i>System</i> — rvoir (first	stage) (balance of	3,100 ac	re feet)		, · ·	••	2,100
Murray System—									
Hume Reservoir, at j	unction w	ith Mitta	River, ha	lf-share o	of balance	of 2,000	0,000		
acre feet									950,000
Total cap	acity of S	torages v	when worl	ks in hai	nd are co	ompleted	••		2,301,520
	-		-					-	

RIVER MURRAY WATERS AGREEMENT WORKS.

GENERAL OUTLINE.

The scheme of works provided in the River Murray Waters Acts, passed by the Governments of the Commonwealth and of the States of New South Wales, Victoria, and South Australia, comprises storages on the Upper River Murray and at Lake Victoria, locks and weirs in the course of the River Murray from its mouth to Echuca, and also locks and weirs on the lower part of the River Murrumbidgee. The Acts also provide that, for purposes of construction, the Minister of Public Works of New South Wales shall be the Constructing Authority for that State; that for South Australia, the Commissioner of Public Works shall be the Constructing Authority; and that the State Rivers and Water Supply Commission shall be the Constructing Authority for Victoria.

In the last Annual Report reference was made to the appointment of an independent committee to report on the question of the estimated cost of completing the Hume Reservoir to a capacity of 2,000,000 acre feet. The report of this Committee, which was known as the Hume Reservoir Committee of Inquiry, was forwarded to the four Contracting Governments in October, 1929, and was considered by Ministers representing these Governments at a conference held at Canberra on the 18th February, 1930.

At this conference, a resolution was presented by the Chairman of the River Murray Advisory Committee recommending that the Hume Reservoir be now constructed to a capacity of 1,250,000 acre feet and suggesting that the conference should consider the question of continuing construction until an ultimate capacity of 2,000,000 acre feet is reached conditionally on a satisfactory agreement being entered into with the State Electricity Commission of Victoria regarding the payment of interest on the amount of the additional cost of a 2,000,000 acre feet reservoir as against a reservoir of 1,250,000 acre feet and for the conversion of any surplus water into electric power until it is required for the purpose of the River Murray Agreement.

The conference of Ministers decided--

- 1. That the construction of the Hume Reservoir be continued to a capacity of 1,250,000 acre feet, with the intention of providing later for a capacity of 2,000,000 acre feet:
- 2. That the River Murray Commission inquire into and report-
 - (a) as to the extension of the Hume Reservoir to a capacity of 2,000,000 acre feet, and the suggestion of the State Electricity Commission of Victoria that the Reservoir be constructed to a capacity of 2,000,000 acre feet—the State Electricity Commission of Victoria to bear the interest on the additional amount involved in increasing the capacity from 1,250,000 acre feet to 2,000,000 acre feet, for a limited and agreed-upon number of years;
 - (b) as to the advisability of the construction of works or allocation of additional water to protect the lower Murray against salinity;
 - (c) on the question of the advisability of revising the River Murray Agreement so far as it relates to the weirs and locks on the River Murrambidgee;
 - (d) on the question of the responsibility for expenditure in connexion with the maintenance, operation and control of completed works and gauging stations.

Investigations are still being made by the River Murray Commission in regard to these matters, and it is anticipated that its report will be completed before the end of 1930.

The Weir-Lock No. 10 at Wentworth constructed by the New South Wales Authority is in operation. No further work was carried out by this Authority on the Weir and Lock No. 15 at Euston.

The Constructing Authority for South Australia has completed the construction of Locks Nos. 1, 2, 3, 4, 5, 6, and 9, and has commenced preliminary work at Lock No. 7.

The Weir-Locks at Torrumbarry and Mildura have been finished by the State Rivers and Water Supply Commission, the Constructing Authority for Victoria.

HUME RESERVOIR.

During the year, the New South Wales Constructing Authority has been engaged on the Hume Reservoir within its territory. The main work carried out in this section has been the concreting of the wing walls, spillway, and outlet sections. The erection of the steelwork at Bethanga Bridge was completed during the year, and the bridge is now open for traffic.

In Victoria, the construction of the main embankment was continued by the Water Commission. The height of the embankment, extending from the Victorian bank of the river for about 2,400 feet to the high land on the Victorian side, was brought to approximately 75 feet above the flats.

During the year 494,000 cubic yards of earthwork were placed in the embankment; 6,670 cubic yards of concrete and 127 tons of steel were placed in the core wall; and 8,580 cubic yards of gravel were transported from Chiltern to the works, as well as 72,400 cubic yards of river gravel from New South Wales. On the downstream slope of the embankment, 2,350 cubic yards of gravel beaching were placed in position. On the upstream slope 3,250 cubic yards of gravel beaching were placed and faced with a 12-inch layer of concrete, making a total of 22,000 square yards so treated during the year.

The reinforced concrete slabs for the drainage layer on the downstream side of the core wall were commenced; 18,050 slabs were made on the works, 8,683 of these being placed in position during the year.

The level of the spillway wall was raised to R.L. 558. The maximum amount of water stored was 155,000 acre feet.

Permission was given to the public to cut and remove, free of charge, and subject to certain conditions, timber from the submerged areas of the Reservoir. A few permits have been taken out, but generally there has been very little demand for this timber, notwithstanding that offers were invited through the Press.

In connexion with the deviation of traffic routes made necessary by the construction of the Reservoir, several contracts were let by the Country Roads Board of Victoria on behalf of this Constructing Authority, for the construction of roads from Talgarno to Bethanga Bridge, from Bethanga Bridge to Bethanga, and for the deviation of the Omeo Highway between Ebden and Bolga; good progress has been made on these works.

Work in connexion with the Sandy Creek deviation of the Wodonga to Tallangatta Railway is being carried out by the Victorian Railways Department, and good progress is being made.

During mid-summer the water stored in Hume Reservoir became infected with algae, causing an unpleasant taste and odour. This was successfully overcome by treatment with copper sulphate. The increase in the depth of water in the reservoir will, it is hoped, assist in preventing the unpleasant conditions this coming summer. Close observations are being made with a view to treatment of the waters should there be any indication of a recurrence of the trouble.

Further investigations were made in regard to the supply of water for irrigation of lands along the Murray Valley from the Hume Reservoir to Picola, some 120 miles westward, and to allow of this, provision is being made for the construction of an outlet at the Hume Reservoir, while plans are being prepared for a diversion weir near Yarrawonga, and negotiations are in hand with the State Electricity Commission of Victoria for electric power to supply lands too high to be served by gravitation.

WEIR AND LOCKS, TORRUMBARRY AND MILDURA.

Both these works were operated satisfactorily during the year, and once again proved of great benefit in connexion with the water supply to the important Irrigation Districts along the River Murray.

WORKS CONTROLLED BY OTHER AUTHORITIES.

(Under General Supervision of the Commission.)

SEWERAGE IN COUNTRY DISTRICTS.

The Bendigo Sewerage Authority has completed the reticulation of the principal portion of its sewerage district and is now proceeding with the sewering of the outlying areas. This Authority is also making extensive alterations to its treatment works to cope with the increasing number of house connexions.

The Ballarat Sewerage Authority has completed the sewering of the city area, and plans for the reticulation of the suburban areas are in course of preparation. Minor improvements to the Colac treatment works were carried out for the purpose of improving the efficiency of the plant.

The Horsham Sewerage Authority is temporarily deferring construction of works pending

consideration of an improved water supply to the town.

The Swan Hill Sewerage Authority has received tenders for the construction of sewers, pumping station, and treatment works, and is making arrangements for financing its operations.

The Echuca Sewerage Authority is rapidly completing the construction of its works, and

anticipates making an early start with the house connexions.

The Mildura Sewerage Authority has made satisfactory progress with the construction of sewers and treatment works, and will shortly be in a position to permit the connexion of house drains.

The Warrnambool Sewerage Authority was constituted during the year, and has completed

the detailed survey of its district necessary for the preparation of working plans.

Applications for the constitution of Sewerage Authorities at Dandenong, Kerang,

Shepparton, and Wangaratta are under consideration.

Other country centres contemplating the installation of sewerage schemes are Bairnsdale, Kyneton, and Maryborough.

COUNTRY WATER SUPPLIES.

Many important works were carried out by Waterworks Trusts and Local Governing

Bodies, of which there are now 111 and 18 respectively.

The Avoca Township Waterworks Trust completed the laying of a new and larger pipe line from its main storage reservoir to provide an improved water supply to the township; and the Benalla Waterworks Trust constructed a new storage weir on the Broken River to ensure a supply during the summer months.

The Corryong Waterworks Trust improved the supply to the high level portion of the town by the construction of a new service basin, while the Hamilton Waterworks Trust completed the construction of a new storage reservoir and also enlarged a section of its main pipe line to meet

the increasing demands of the town.

The Kooweerup Waterworks Trust carried out works for supplying the township with water, the principal works being a settling basin, pumping plant, elevated concrete tank, and pipe reticulation of the town.

The Kyneton Waterworks Trust is engaged in the construction of an additional storage

reservoir of 30 million gallons capacity to safeguard the supply to the town in dry periods.

The Macedon Waterworks Trust is improving its supply by the provision of an additional storage reservoir on the Willimigongon Creek; the Maffra Waterworks Trust has installed a new pumping plant and rising main to provide an increased supply at lower operating costs; and the Portland Waterworks Trust commenced the installation of works of water supply and completed the construction of the rising main and elevated tank.

In connexion with the water supply to the township of Beaufort, the Ripon Shire Council, Local Governing Body, is constructing a main pipe line from Mt. Cole to supersede the old water-

race, which was inadequate and costly to maintain.

The Shepparton Waterworks Trust commenced the construction of purification works to improve the quality of the water supply, the works consisting of a filtration and chlorination plant.

The Stawell Borough Council is continuing the replacement of its main pipe line, the second section of 3 miles is being completed, and it is intended to relay further sections as circumstances warrant.

The St. Arnaud Waterworks Trust renewed a further section of its main pipe line, the cost

of maintaining the old main having become excessive.

The Wangaratta Waterworks Trust installed a new well and an electric pumping plant with a capacity of 60,000 gallons per hour, while the Yarrawonga Urban Waterworks Trust is engaged in remodelling its reticulation system, following on the installation of a new pumping plant.

Pipe extensions and minor works were carried out at Alexandra, Ararat, Devenish, Donald, Healesville, Horsham, Kerang, Kilmore, Korong Vale, Kyabram, Leongatha, Mooroopna, Murtoa, Rushworth, Sunbury, Swan Hill, Upper Macedon, Warrnambool, and Yarra Junction.

Proposed water supply schemes for Foster, Keilor and St. Albans, Moe, Myrtleford, and

Tallarook were investigated,

Proposed improvements were investigated in connexion with the following existing schemes:—Elmore, Gisborne, Inglewood, Nhill, Numurkah, Seymour, Swan Hill, Tarnagulla, Toora, and Woodend.

GENERAL.

LANDS UNDER CLOSER SETTLEMENT IN IRRIGATION DISTRICTS.

Notwithstanding that no additional lands have been purchased within the irrigable areas for subdivision and settlement under Closer Settlement conditions, which, of course, resulted in the number of applications dealt with during the year being less than the average of preceding years, still, for the number of farm allotments which from time to time became available, there was always a good demand, and no less than 75 applications from new settlers for irrigation farms were approved by the Commission. Sixty-six of the applicants took up farms under ordinary Closer Settlement terms, six under the Discharged Soldiers Settlement Act, and three were granted to Overseas Settlers.

The Commission continues, wherever it is possible and the demand exists, to assist established lessees by subdividing allotments which become vacant, and grant portions to adjoining settlers who have worked their holdings to full capacity and feel the necessity to enlarge their farms. By this means some 78 applicants for additional areas, the majority of whom are discharged soldiers, were able to obtain larger areas to operate.

In a number of cases the Commission has leased blocks pending their purchase, and in such cases the rents are fixed so as to give the Commission a satisfactory return, having regard to the capital value of the land.

The number of applications from lessees desiring to transfer their holdings has exceeded that dealt with as shown in the last report, no fewer than 113 applications to transfer having been approved. In the majority of cases the vendors have disposed of their holdings at a substantial profit, after having met their obligations to the State.

It will be seen from the statement hereunder that the Commission still holds, for future subdivision, an area of 3,980 acres. This area is at present leased in blocks to neighbouring landholders, and will from time to time be subdivided for settlement as required.

The statement also shows the total area of irrigable lands purchased and subdivided by the State and the extent of settlement in each District. The subdivided portions of the estates are supporting about seventeen times as many families as resided thereon prior to their subdivision for Closer Settlement:—

	1				į	Proper	ties Subdivid	ed.			
Closer Settlement Estates.			Area of Lands purchased			Number of	Subdivided into-		Number of Closer Settlement Blocks	Present Increase in Number of	
Onser Sec	, the trick of			by the State in Acres.	Area in Acres.	Number.	thereon when Purchased.	Number of Closer Settlement Blocks.	Average Area in Aeres.	now occupied.	Families,
Shepparton			•••	14,170	14,170	33	29	377	35	361	332
East Goulburn				13,400	13,400	21	20	162	74	156	136
Rodnev	• •			3,230	3,230	.8	5	55	57	46	41
Stanhope				21,500	21,500	7	13	272	68	250	237
Kyabram				4,600	4,600	10	12	68	63	63	51
Tongala				19,090	19,090	41	36	308	60	295	259
Koyuga				4,200	4,200	} Pt. 1		54	73	52	52
Cornelia Creek				2,500	2,500	} 'Pt. 1	• • •	19	161	19	19
Nanneella				9,040	9,040	18	8	124	70	119	111
Echuca				3,600	3,600	8	4	30	105	30	26
Bamawm				13,400	13,400	28	21	192	65	189	168
Dingee				500	500	3	1.	20	23	15	14
Calivil				4,800	3,860	8	. 6	26.	149	26	20
Cohuna		<i>:</i> .		12,000	12,000	29	10	142	80	120	110
Koondrook				9,060	9,060	14	10	125	66	105	95
Swan Hill				12,500	12,500	.34	16	325	36	322	306
Nyah				3,800	3,800	8	1	235	15	230	229
Merbein (Crown)				8,300	8,300		• •	417	20	416	416
Red Cliffs				33,000	18,000	1	3	682	17	673	670
Bacchus Marsh				70	70	1		2	36	2	2
Werribee				10,000	10,000	1	11	228	36	223	212
Hallam				3,300	1,860	7	4	96	19	85	81
Maffra-Sale			• •	10,570	8,970	23	22	175	48	173	151
		0.00	<i>α</i>	216,630	197,650	304	232	4,134	43	3,970	3,738
Properties acquire Settlement Act Estates	d under 1928, 	r Sec. 20, outside	above	19,540		··,	••			203	••
				236,170				,			

Progress of Irrigated Closer Settled Districts.

Dairying is still the main source of production in the irrigation areas and, as pointed out in previous reports, the irrigation areas are proving most suitable for this industry.

In the Standard Herd Test for pure bred cows conducted by the Department of Agriculture, the herds from the irrigation areas were again well placed, second, third, and fourth places being obtained by herds owned by irrigation settlers. In this Standard Test there were 50 herds whose average yield exceeded 400 lb. of butter fat per cow for the period of test, and of these no less than 21 were from the irrigation areas, although, on the other hand, these areas contain only one-ninth of the cows of the State. As was the case last year, a cow from the irrigation areas filled top place in the individual cow test with a yield of no less than 737 lb. of butter fat. Several other cows from the irrigation areas also exceeded 600 lb. of butter fat for the period of test, and in the junior two year old class a cow from the Rodney District established, with the remarkable yield of 534 lb. of butter fat, a State record for this class. Cows from the irrigation areas were also the highest producers in the Jersey, Milking Shorthorns, Ayrshire, and Guernsey breeds.

Following on the successes gained at the Royal Agricultural Show last year, cows from the irrigation areas again demonstrated their superiority by gaining the first four places in the Weekly Times butter fat production test, and also the first four places in the Payne test for the most economical production of butter fat. As the cows were of three different breeds—Milking Shorthorn, Jersey, and Guernsey—it shows that variety is not restricted in irrigation areas, and that practically any recognized breed of milch cow can produce successfully under irrigation conditions.

The District Herd Testing Associations, which admit cows of all descriptions, further illustrate the high position that dairying has attained in the irrigation areas; for instance, the Goulburn Valley Irrigation Districts show an average yield of 239·4 lb. of butter fat per cow, although 40 per cent. of the cows in the test were less than four years old; while the Gippsland group, which includes the six units in the Maffra and Sale Irrigation Districts, had, with 242 lb., a slightly higher average yield per cow. One great factor in the success of dairying in irrigation districts is the increasing practice of top dressing lucerne and pastures which, together with the economical use of water, has always been stressed by the Irrigation Field Officers of the Department of Agriculture and the Commission's Supervisors, and there is no doubt that these efforts are now bearing fruit, to the benefit of both settlers and the State.

The Department of Agriculture's scheme of supplying pure bred bulls, which are the progeny of cows of high butter fat production, at half cost to approved settlers, has continued to be availed of by the settlers in irrigation areas, and to date no less then 154 of the 523 supplied have been obtained by settlers on the irrigation areas, although only about 11 per cent. of the dairy cows in the State are on these areas.

The past year has also served to further illustrate the great advantages that irrigation has afforded the rural industries of Victoria, and it can safely be stated that the irrigation districts are being increasingly recognized as the most progressive and revenue producing in the State. Although during the last few years dairying and fruit growing have become the main industries in the districts under the administration of the Commission, many other avenues of production hitherto restricted to areas where a good natural rainfall is enjoyed, are now being exploited, one of the most noticeable being broom millet.

In the Murrabit District, which is especially suited to sorghums, broom millet is being produced in greater quantities each year, and this year it again topped the local market in price.

Tobacco, and especially tobacco seedlings, are also being profitably grown in the Rochester and Shepparton Districts, and from results obtained to date it would appear that a great expansion in production of these in the irrigation areas is possible. In addition, as showing the variety of products of the irrigation areas, it is significant that at the Royal Agricultural Show the first prizes in two such non-related products as malting barley and asparagus should have been won by entrants from the Cohuna Irrigation District.

The returns obtainable from other lines of production are also shown by the fact that last year no fewer than 1,160,000 cases of tomatoes, valued at approximately £235,000, were produced under irrigation in the Bendigo District alone. Large quantities of tomatoes are now produced at Cohuna, Koondrook, Murrabit, Merbein, Red Cliffs, and throughout the Goulburn Valley. Favoured by a good season this form of production is one of the most profitable, and returns of up to £100 per acre are by no means uncommon.

During the past season also, as a result of the lack of the usual spring rains, there was a considerable increase in the irrigation of cereals, especially wheat. As increases in yield ranging up to 20 bushels per acre were obtained with one or two irrigations, using only about 6 inches of water, the results were very satisfactory.

Although the production in the Dried Grape Districts during 1929 was considered exceptional, another large crop was harvested again this year, the total tonnage yield being 47,750 tons, as against 48,000 tons for 1929. Red Cliffs again headed the list with a yield of 17,000 tons, or an average of over 2 tons per producing acre of vines, while Merbein produced 11,000 tons, Nyah 4,360 tons, and Woorinen 2,750 tons, the remainder being from the Irymple and Mildura areas. It is pleasing to note that, as has been the case each year since the appointment of a Trade Commissioner to Canada, there was again an increase in tonnage of dried fruit exported to that country.

With a view to helping to stabilize the industry and to place it on a sounder financial footing, a conference was recently convened by the Federal Government, of the States producing dried vine fruits. After a full discussion of the position Committees were appointed to further investigate certain phases of the industry and report to a further meeting.

At Red Cliffs during the year a Horticultural Society was formed with the object of arranging for a series of lectures on viticulture and allied subjects by the staffs of the Department of Agriculture, of the Research Farm at Merbein, and of the Commission, the main object being the lessening of production costs and the improvement of quality in dried fruit.

During the year the local Advisory Boards in the dried fruit areas continued, in co-operation with the Commission, efforts to determine the most effective quantity of water to use, and as an outcome 4,000 acre feet less water were used at Red Cliffs than in the previous year.

The production of canned fruit this year was a record, the pack for the whole of the State being 21,200,000 tins, of apricots, peaches, and pears. Of this quantity no less than 71 per cent. was put up by the co-operative canneries established in the irrigation areas. This also represents 50 per cent. of the total Australian pack for the past season.

The appointment of a Trade Commissioner in Canada has also, as in the case of the dried fruit, greatly assisted the disposal of canned fruit in that Dominion, the quantity now exported being greater than any previous year. As similar appointments are now being contemplated for the East, it is anticipated that further avenues of disposal for these and other irrigation products should be successfully opened up in the near future.

Despite damage done by the severe frosts in September, 1929, to the citrus orchards in the irrigation areas of the Goulburn and Murray Valleys, large crops are being harvested this year. The experiments being at present carried out with the export of this product to Canada are creating a great deal of interest; and, if the success obtained by the preliminary shipments is maintained, there will be another market for surplus production. At Red Cliffs, experiments in re-budding to improve the yield and to obtain standardization of citrus types are being carried out by the Department of Agriculture. Special attention is also being given to producing Valencias that will not revert to the green stage, and if this is successful freshly picked fruit will be available until much later in the summer than at present.

Farm competitions were again held in the Cohuna, Tongala, Stanhope, Werribee, Rochester, and Sale Districts. The growth and the popularity of these competitions can be gauged from the fact that in 1927, when they were first instituted at Cohuna, the number of entrants was seven, whereas last year the total number of entries received from all districts was well over 100. The spirit of friendly rivalry that has been set up amongst the settlers competing is doing a tremendous

amount of good to the individual and settlements generally. As in the past, the judges comprised officers from the Department of Agriculture and the Commission who gave much valuable information to the entrants. The publicity that has been given to these competitions by both the country and metropolitan press is of immense value in illustrating to other farmers and the public generally the value of irrigation to the State as a whole.

These competitions have also served to show the large part that mixed pastures of rye grass, cocksfoot, and clovers are now playing in irrigation development. Not many years ago the only pastures grown in irrigation areas were of native grasses, but following the excellent results obtained at the Werribee Research Station and on the various demonstration plots with mixed pastures of introduced grasses and clover, the Commission has made special efforts to extend pasture sowing, and increasing areas have been laid down each year, with the result that these pastures are now, in some districts, rivalling lucerne as the main crop. Thus, in the Werribee District, out of 8,319 acres irrigated last season, 2,640 acres, almost one-third, comprised mixed pastures.

The Irrigation and Research Committee, comprised of representatives of the Department of Agriculture and the Commission, continued the manurial and other experiments in irrigated culture at Cohuna, Stanhope, Rochester, Tongala, and Murrabit. These experiments are proving of great value to the settlers in the various irrigation districts in determining the best treatment for the various crops and types of soil. The results obtained prove conclusively that the application of manure in quantities of from 1 to 4 cwt. per acre is most profitable, as the increased yield obtained is of much more value than the cost incurred. New plots are to be established in the Tragowel Plains District, while the special work on the Tresco Irrigation Settlement has been continued, the improvement mentioned in previous reports being maintained.

Organized tours through some of the other irrigation areas arranged by Commission's officers were made by settlers from the Tragowel Plains, Calivil, and Boort Districts during the year. The Districts visited were Cohuna, Rochester, Stanhope, and Tongala, where the visitors were conducted around the settlements by the various officers in charge, and the experience gained will be of the utmost value. A direct result has been that in the Tragowel Plains and Boort Districts considerable areas of permanent pasture and lucerne have recently been sown and excellent strikes obtained. In addition, the practice of topdressing has also become more widely adopted.

The system of Joint Committees comprising representatives of the settlers and the Commission, which was initiated on the overseas settlements at Tongala and Shepparton for the purpose of discussing various matters appertaining to the Overseas Settlers generally or individually, has been applied to the settlements at Narre Warren and Katandra, with similar good results. The Soldier Settlers in the Shepparton, Stanhope, and Tongala Districts, following the practice in vogue at Red Cliffs for some time, have appointed local Committees to act in conjunction with the Inquiry Boards that are appointed from time to time by the Commission to deal with individual Soldier Settlers cases.

As an example of the steady progress made in Irrigation Closer Settlement Districts, Stanhope, which was constituted in 1918, might be referred to. The Closer Settlement area comprises 21,500 acres out of the District total of 26,000, and in 1918, 1,904 acres were under cultivation, namely—cereals 124 acres, lucerne 1,405 acres, fodder 94 acres, pastures 41 acres, orchards 212 acres, fallows 15 acres, and miscellaneous 13 acres. In 1930, the acreage under cultivation is 14,481, viz.:—cereals 1,739 acres, lucerne 10,907 acres, fodders 652 acres, pastures 730 acres, orchards 308 acres, fallows 139 acres, and miscellaneous 6 acres. The population of the District now comprises 1,058 persons, who are members of some 264 families, an increase of 251 over the 13 families in the District prior to its settlement under irrigation. Dairying and sheep fattening are the main sources of revenue, while good returns are obtained from the small areas of soft and citrus fruits. The quantities of the various commodities despatched by rail during last season from the District included butter 380,800 lb., cheese 511,812 lb., cream 400,000 lb., fat sheep and lambs 75,000, fat cattle 944, pigs 1,200, wool 1,005 bales, hay and chaff 570 tons, wheat 17,032 bags, and fruit 16,400 cases. Of the 3,700 head of cattle carried in the District 2,700 are dairy cows, and amongst them are to be found some of the most productive animals in the State. One herd of eighteen cows obtained third place in the Standard Herd Test, with an average production of 551 lb. of butter fat per cow.

These figures, which are typical of all Irrigation Districts, show in no uncertain manner the benefits of Closer Settlement to the State in increasing production and consequent revenue.

ADMINISTRATION.

EXTENSIONS AND EXCISIONS.

As a result of extensions of channels in the Goulburn Irrigation System, Irrigation

Districts were correspondingly enlarged.

The North Shepparton District was extended by adding 9,130 acres in the parishes of Congupna and Tallygaroopna, formerly within the Waterworks District of the Shire of Shepparton

Rochester Irrigation District was extended by the addition of an area of 2,220 acres in the parishes of Turrumberry, Turrumberry North, and Wharparilla not previously within any

constituted District.

Dingee Irrigation District has been extended by adding 2,500 acres, Tragowel Plains District by adding 2,250 acres, and Boort District by adding 360 acres, all of which areas were excised from the Waterworks District of the Loddon United Waterworks Trust.

The Calivil Irrigation District was extended by the inclusion of 15,470 acres, of which 15,150 acres were excised from the Loddon United District and 320 acres from Tragowel Plains District.

Cohuna Irrigation District, which draws its supply from the River Murray, was extended

by adding an area of 1,881 acres in the parishes of Gannawarra and Gunbower.

Minor extensions were also made to the Gannawarra, Mystic Park, and Maffra Irrigation

Districts, and to the Nyah and Merbein Irrigation Areas, while minor excisions were made from Shepparton, Rodney, Campaspe, Tresco, Red Cliffs, and Werribee Irrigation Districts.

In the Wimmera-Mallee System, the Baring Waterworks District was extended by the inclusion of 1,100 acres of lands in the parish of Ginap, not previously within a constituted District, and the Dering Waterworks District by adding 870 acres excised from the Karkarooc District.

The Western Wimmera Waterworks District was reduced in extent by the excision of an

area of 387 square miles, comprising forest country and lands of inferior quality.

The extent of the Avoca Water Trust District has been increased by the addition of 1,100 acres excised from Long Lake Waterworks District.

The Mornington Peninsula Waterworks District was extended so as to embrace the townships of Bunyip, Crib Point, and Garfield, which will be duly proclaimed Urban Districts.

Minor extensions were made to Carwarp and Millewa Central Waterworks Districts, and minor excisions from the Wimmera United, Upper Wimmera United, and Western Wimmera Waterworks Districts, of lands subsequently added to the Waterworks District of the Warracknabeal Waterworks Trust.

The Werribee Urban District and adjacent lands comprising in all 720 acres have been excised from the Werribee Waterworks District and created a Water Supply District under the Local Governing provisions of the Water Act, and transferred, together with the Urban reticulation works, to the Werribee Shire Council, which has been constituted a Local Governing Body for this area, and has taken over from the Commission a share of the loan liability of the Werribee Waterworks District.

NEW AND PROPOSED DISTRICTS.

Reticulation works having been completed for the supply of the township of Murrabit, in Koondrook Irrigation District, that township has been proclaimed an Urban Division. Similarly, the townships of Antwerp in Western Wimmera Waterworks District and Hicksborough in Wonthaggi Waterworks District have been proclaimed Urban Districts.

The township of Heyfield, adjoining the Maffra Irrigation District, having been reticulated, has now been included within that District, and will be proclaimed an Urban Division. Likewise the townships of Bunyip, Crib Point, and Garfield added to Mornington Peninsula Waterworks District, as stated above, have been reticulated and will be proclaimed Urban Districts.

Mr. S. P. Bromfield, District Engineer, Red Cliffs, was appointed to fill, in addition, a

similar position at Merbein.

Mr. J. A. Aird, Chief Superintendent of Closer Settlement, was appointed as one of the Government Representatives on the Faculty of Agriculture at the University of Melbourne in place of Mr. G. Laing, resigned.

Mr. J. W. McKenzie, Closer Settlement Supervisor at Tongala, was transferred to fill a similar office at Murrabit vice Mr. A. C. Stewart resigned, Mr. J. F. Doolan being in turn

transferred from the position of Overseer to fill the vacancy for a Supervisor at Tongala.

Mr. A. D. Brown, formerly Secretary, Victorian Dried Fruits Board, was appointed to fill the position of Closer Settlement Products Officer rendered vacant by the retirement of Mr. D. A. Dowrick.

Mr. G. Berry, Engineer, who had been a member of the Commission's staff since its inception, and who had previously been associated with the Water Supply Department, retired

Other officers to retire during the year were Messrs. G. C. Mehrens, C. Fraser, and W. H.

Huntington.

FIRE INSURANCE.

The Commission has continued its policy of carrying the fire risk on its own buildings. The premiums thus saved now amount to £8,227.

RECEIPTS, DISBURSEMENTS, AND ESTIMATES.

The total collections amounted to £531,393, which is some £8,272 less than the receipts of the previous year which, however, constituted a record return. This shortage arises mainly from the failure of crops chiefly in the North-west Mallee and the lower prices obtained generally for primary products. In ordinary circumstances it is estimated the collections would have exceeded those of the previous year by at least £70,000. The unpaid amounts have, of course, been carried forward for collection as conditions become normal. In this connexion it is pointed out that in the wheat areas, especially the very large areas of Crown lands in the North-west Mallee, where the Government has been paying large sums of money as sustenance allowances, a highly successful season seems now fully assured, and the Commission expects an increase of no less than £100,000 therefrom in the collections for the incoming financial year.

The expenditure under the annual vote amounted to £265,977. The amount represents an increase of only £959 on the expenditure for the previous financial year, notwithstanding the abnormal dryness and the great expenditure necessary in removing drift sand from the extensive channel system throughout the Mallee districts. The Loan expenditure amounted to £1,141,553, and was apportioned over districts embracing all parts of the State. Complete

particulars are set out in another portion of this Report.

The receipts from the Irrigation Districts amounted to £292,054, an increase of £29,690 over those for the previous year. After debiting the Districts with working expenses and interest chargeable the deficit for the year was £13,451, but this only provides for interest at the rate of 4 per cent. per annum. As the State is now paying a considerably higher rate than this on its loan expenditure, it will be necessary to revise the irrigation charges in order to recoup the State for the amount which it is obliged to meet in interest payments on loan moneys raised for Water Supply purposes. It is to be added that there are several new and important districts in course of development which should gradually lead to a substantial increase of the revenue derived from this division. Full particulars are set out elsewhere in this Report as to the financial position of each district.

In the Coliban District the collections amounted to £47,870, which is an increase of £3,318 The additional revenue was received mainly from sales of water over those for the previous year. for irrigation. The deficit for the District for the past year amounted to £30,548, and as previously pointed out the rating in these districts is specially limited by the Water Act, and any substantial improvement in the revenue can only be achieved by a general development throughout the

whole district.

The Waterworks Districts under the direct control of the Commission, excluding the Coliban District, now number 101, which includes 71 township supplies. The total receipts from all districts amounted to £154,880, and after debiting working expenses and interest chargeable the deficit for the year was £35,168, as against a loss of £7,778 for the previous year. The increased deficiency is attributable to the crop failure in the Northern and North-west Mallee. With very large areas of Crown lands in process of settlement, the harvest was a complete failure, and the Government found it necessary to grant sustenance allowances to very many settlers in For the incoming year, as stated above, it is estimated that there will be an increase of £100,000 in the collections from these districts.

In the five Flood Protection Districts administered and controlled by the Commission in accordance with the requirements of the Water Act the receipts were £7,042. After debiting working expenses and interest charged on the capital allocated the deficiency for the year amounted to £1,033. Owing to the general financial stringency the collection of the Flood Protection Charges was found to be more difficult than in previous years, and it has been necessary to carry forward many of the accounts for the present.

The disbursements for the next financial year are estimated at £252,100, as against an estimate of £267,500 for 1929-30. On the other hand the receipts are estimated at £668,000, which is no less than £136,607 in advance of the cash received in 1929-30.

The Loan Liability of the State for Works for Water Supply at the close of the year was £23,382,970. Of this total, £1,254,128 is for Free Headworks; £1,263,228 was Written Off; £147,046 was advanced to some early-formed Local Authorities; £46,776 has not been expended; £2,135,083 is represented by River Murray Works; and £5,984,976 by Uncompleted or Unallotted Works which are not revenue producing, details of which are set out separately in the Statement of Loan Liability in this Report. The balance of £12,551,733 is the sum in respect of which those

benefited by the various works are this year liable for payment of interest.

The present interest charges on loans amount to £1,073,427. Of this amount, £124,459 is not chargeable to any districts, being debitable against Free Headworks, Amounts Written Off, and Unexpended Balances, and £97,994 is debitable against River Murray Works, while £274,756 is not at present debitable, being interest on cost of Uncompleted or Unallotted Works which are not yet revenue producing, leaving £576,218 as chargeable against the Commission and other Authorities. The amount available last year from the revenue of the Commission and other Authorities to meet such interest (after providing a sum of £42,733 for non-revenue producing works and services not chargeable to any districts) was £337,046, as set out in the statement on page 40.

FINANCIAL POSITION.

The Statement of Loan Liability on page 40 of this Report sets out the present aggregate financial position in connexion with Works both for Irrigation and Domestic and Stock Supply as well as for Flood Protection and Drainage Services.

That Statement shows in detail the extent of the State's liability, although a large portion represents Amounts Written Off and other Amounts which cannot be charged to water users,

such as Free Headworks.

Taking the figures in the Report the position in regard to Non-revenue and Revenue producing works is :-

${\mathfrak t}$	£
Gross deficit including all Written Off and Irrecoverable Amounts 736,38	Į
To which certain Amounts are debited for Pensions by Treasury 6,284	
Making a total (including £100,000—North-west Mallee Arrears) of Included in this is Interest on—	742,665
Capital Written Off 31 years ago (£1,263,228) Free Headworks declared 25 years ago (£1,401,174)	
RIVER MURRAY AGREEMENT WORKS (£2,135,083)	
Totalling	2
Loss on Coliban District where Rate is limited by Water Act in	
lieu of general Writing Off 30,548	3
GENERAL SERVICES rendered by Water Commission chargeable to	
whole State (see page 33 of Report)	
Interest on Loan Moneys in hand at Treasury 2,155	-
	-295,734
Deducting the above there remains to be accounted for a further sum o	
At present there are Works under construction from which it is impracticable	
to obtain Revenue until completed or until districts connected with	
them have been settled so that Revenue could be collected. These	
comprise amongst others—Eildon and Waranga Reservoirs; Maffra and Sale Irrigation Districts; new Goulburn Districts; Kooweerup and	
Cardinia Flood Protection Districts; and Bellarine, Millewa, and other	
Domestic and Stock Schemes. The Interest on these would amount to	274 756
	
Leaving still to be accounted for a sum of	$172,\!175$
The Interest chargeable to Districts controlled by the Commission is fixed by the Water Act at 4 per cent., which until recently was sufficient	L
The percentage now charged by the Treasury is £4 14s. 6d., and this	1 ·
represents approximately a sum of	91,000
Leaving after excluding Interest on Free Headworks, Amounts Written Off	
River Murray Works, and other Items mentioned	01 1 2
invertigation works, and one receipt mentioned	

As shown in the above statement, considerable sums are still debited to Country Water Supply for Capital Written Off by the Legislature some 31 years ago and for headworks declared by Parliament to be "Free Headworks" some 25 years ago. No interest can be charged to water users in respect to such expenditure. The cost of the River Murray Works, which is being borne equally by the States of New South Wales, South Australia, Victoria, and the Commonwealth, in pursuance of the agreement ratified by each of the Parliaments, is also debited to Country Water Supply. This expenditure is not chargeable to any district. The Uncompleted and Unallotted Works include a number of large schemes in various parts of the State which are still in course of construction or from which the capital cannot be allotted pending the development of these To several of these works, notably at Millewa, there should be an allotment of a considerable amount of capital for the incoming financial year, while the satisfactory development of irrigated culture in the Maffra-Sale Districts should also lead to a substantial transfer of capital to those areas. In the Bellarine District the works should be sufficiently advanced within the year 1930-31 to enable an early return to be obtained from rates and charges. There are also several large and important irrigation works in course of development in connexion with the Goulburn System, and these districts are rapidly advancing and will be debited with capital in accordance with the benefits which the works confer. Much of this work is approaching completion, the further financial commitment being set out in a loan statement recently furnished to Parliament.

The Commission again directs attention to the increase in the average rate of interest paid by the Treasury and debited to Country Water Supply. The rate is now £4 14s. 6d. per centum, or 14s. 6d. higher than that which can be charged under the provisions of the present Water Act. The rate of interest earned on the gross capital, including Free Headworks, Amounts Written Off, and Uncompleted and Unallotted Works debits, was £1 9s. 1d. per centum.

The receipts from the Commission's works for last year amounted to £531,393. collections were lower than the estimate because of the partial failure of the wheat harvest, financial stringency, and the low prices ruling for primary products, the amount collected representing the equivalent of 80 per centum of the current rates and charges. For the incoming year the estimated collections of the Commission are £668,000, an increase of no less than £136.607 over the actual receipts for 1929-30.

RECEIPTS AND DISBURSEMENTS.

STATEMENT of Moneys received and disbursed during the year ended 30th June, 1930.

		exclusive of	DISBURSEMENT Interest, Reder epreciation Charge	aption, and	Excess.		
Works.	Receipts.	From Annual Votes and Special Appropriation.	Deduct Capital and Other Disbursements not Chargeable to Districts.	Net Disbursements on Maintenance and Management.	Receipts over Net Disbursements.	Disbursements over Receipts.	
	£	£	£	£	£	£	
Coliban	47,870	15,312		15,312	32,558		
Other State Works—	, ,			,			
Broken River		97		97		97	
Goulburn	1,206	4,746		4,746		3,540	
Kow Swamp	658	1,023		1,023		365	
Lake Lonsdale	1,133	1,010		1,010	123		
Loddon River		443		443		443	
North-West Lakes	689	441		441	248		
Irrigation Districts	292,054	119,227		119,227	172,827		
Waterworks Districts	93,398	42,886		42,886	50,512	***	
Urban Districts and Divisions	61,482	15,044		15,044	46,438		
Flood Protection Districts	7,042	1,599		1,599	5,443	• • • • •	
Licences, Diversions, Miscellaneous	25,861	39,502		39,502		13,641	
	531,393	241,330	,	241,330	308,149	18,086	
Not Revenue Producing—						1	
River Gauging, Surveys and Re-				4 000		4.000	
ports, New Projects		4,838	**	4,838		4,838	
Waterworks Trusts Cost of						1	
Boring for Water, Road Admin		10,803	•••	10,803	,	10,803	
Clearing, Mallee and istration				!			
Land Settlement Israelon Loan Works		9,006		9,006		9,006	
Totals	531,393	265,977		265,977	308,149	42,733	
Amount availabl Amount availabl			age 40 of Rep	ort	£264	500 ,916	

COLIBAN SYSTEM.

Statement of Moneys received and disbursed during the year ended 30th June, 1930; and of Interest charged at the rate of 4 per cent. on Capital Debits.

	Capital		Disburseme	nts and Interes	t Charged.	Excess.		
District.	Debit at 30th June, 1930,	Receipts.	Disbursements.	Interest.	Total.	Receipts over Disbursements and Interest,	Disbursements and Interest over Receipts.	
	£	£	±_	£	£	£	£	
Coliban	1,577,575	45, 5 60	13,770	62,495	7 6 ,265		3 0,705	
Axe Creek	1,750	532	400	70	470	62	•••	
Harcourt	11,040	1,625	1,092	442	1,534	91		
Marong	2,100	153	65	84	149	4		
Totals .	1,592,465	47,870	15,327	63,091	78,418	157	30,705	

FLOOD PROTECTION DISTRICTS.

STATEMENT of Moneys received and disbursed from 1st July, 1920, to 30th June, 1930; 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, 1930.

RECEIPTS.

	ļ	4.1.7.1		1929-30.		Grand Total
District.		1st July, 1920, to 30th June, 1929.	Charge.	Interest and Miscellaneous.	Total.	at 30th June, 1930.
		£	£	£	£	£
1. Cardinia		12,627	1,691	18	1,709	14,336
2. Echuca		1,216	78	1	. 79	1,295
3. Kanyapella		1,205	204	2	206	1,411
4. Loch Garry		3,711	911	. 7	918	4,629
5. Lower Kooweerup	٠.	28,899	3,411	719	4,130	33,029
Totals		47,658	6,295	747	7,042	54,700

DISBURSEMENTS, AND INTEREST, DEPRECIATION, AND REDEMPTION CHARGED.

		DISB	URSEME	NTS.		INT	EREST CHA	RGED.		
District.	1st July, 1920, to 30th	Repairs	1929-30.		Total at 30th June,	1st July, 1920, to 30th	1st July, 1929, to	Total at 30th June,	(A) DEPRE- CIATION. (B) RE- DEMP- TION.	Grand Total at 30th June,
	June, 1929.	and Mainten- ance.	Manage- ment.	Total.	1930.	June, 1929.	30th June, 1930.	1930.	110.11	1930.
	£	£	£	£	£	£	£	£	£	£
1. Cardinia	3,251	420	190	610	3,861	11,128	1,800	12,928		16,789
2. Echuca	767	12	20	32	799	385	47	432		1,231
3. Kanyapella	339	35	65	100	439	541	139	680	.	1,119
4. Loch Garry	468	41	62	103	571	1,928	490	2,418	(B) 800°	3,789
5. Lower Kooweerup	5,992	515	239	754	6,746	24,968	4,000	28,968		35,714
Totals	10,817	1,023	576	1,599	12,416	38,950	6,476	45,426	(B) 800	58,642

IRRIGATION AND WATER SUPPLY DISTRICTS.

STATEMENT of Moneys received and disbursed from 1st May, 1906, to 30th June, 1930; 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, 1930. (Free Headworks excluded.)

RECEIPTS.

				1st May,	}		1929-30.			Grand
	District.	~		1906, to 30th June, 1929.	Rates.	Compul- sory Irri- gation Charge.	Water Sales.	Interest and Miscel- laneous.	Total.	Total at 30th June, 1930.
				£	·£	£	£	£	£	£
1. Bacchus Mars	h			83,462	732	3,720	540	1,015	6,007	89,469
2. Boort				59,696	1,789		5,738	21	7,548	67,244
3. Calivil					558		3,761	28	4,347	4,347
4. Campaspe				17,082	845		109	7	961	18,043
5. Cohuna				173,952	2,134	5,808	2,078	53	10,073	184,025
6. Deakin				98,212	3,431	Ĺ.,	1,176	64	4,671	102,883
7. Dingee	• •			26,365	163	1,306	684	59	2,212	28,577
8. Echuca North				13,084	271	1,774	82	48	2,175	15,259
o Trial Daine				2,115	77	641	328	. 11	1,057	3,172
10. Gannawarra		• •		140,709	1,834	5,502	2,026	70	9,432	150,141
11. Katandra					314	ĺ l	1,169	1,001	2,484	2,484
12. Kerang				114,341	2,189		6,486	14	8,689	123,030
13. Koondrook				115,394	1,430	3,885	1,657	1,579	8,551	123,945
1 4 T 14 1 -111				6,232	601	1,099	953	11	2,664	8,896
15. Maffra-Sale				6,362	2,213	4,960	1,526	175	8,874	15,236
16. Merbein				281,280	1,121	19,759	955	969	22,804	304,084
3# // TD 1				7,814	200	534	258	3	995	8,809
18. North Sheppar					1,712		3,112	755	5,579	5,579
19. Nyah				84,443	240	6,131	379	1,308	8,058	92,501
20. Red Cliffs	• •			131,782	1,141	39,354	5,803	2,240	48,538	180,320
21. Rochester			. ,	218,483	3,275	15,520	4,861	416	24,072	242,555
22 Rodney				473,196	6,880	17,405	6,092	1,717	32,094	505,290
23. Shepparton				106,723	1,823	5,702	201	1,870	9,596	116,319
24. South Sheppar		• •		7,278	794	2,009	424	30	3,257	10,535
25. Stanhope	•			43,985	851	5,229	682	352	7,114	51,099
26. Swan Hill				120,125	992	5,248	3,719	224	10,183	130,308
27. Third Lake	• •			3,852	173	653	217	7	1,050	4,902
28. Tongala			• .	99,277	1,471	7,308	1,074	915	10,768	110,045
29. Tragowel Plain				216,959	1,959	9,791	4,949	863	17,562	234,521
30. Tresco	• •	• •		19,942	ĺ.	1,089	10	6	1,105	21,047
31. Werribee	• •			64,288	956	5,008	2,818	752	9,534	73,822
Tota			• -	$\overline{2,736,433}$	42.169	169,435	63,867	16,583		$\overline{3,028,487}$

DISBURSEMENTS, AND INTEREST, DEPRECIATION, AND REDEMPTION CHARGED.

	DISBURSE	MENTO,	AND	NIEKI	ъът, .	DEPKE(JIATION,	AND IV	EDEMP	TION OF	ARGED	· · · · · ·
			1	DISBURS	EMENT	8.		INTE	REST CHA	ARGED.	ON.	
				192	9-30.			, t o	3.0	_	IAT.	ا ۾
	District.	1st May, 1906, to 30th June, 1929.	Repairs and Maintenance.	Distribution of Water.	Manage- ment.	Total.	Total at 30th June, 1930.	1st May, 1906, to 30th June, 1929.	1st July, 1929, to 30th June, 1930.	Total at 30th June, 1930.	(A) DEPRECIATION. (B) REDEMPTION.	Grand Total at 30th June, 1930.
		£	£	£	£	£	£	£	£	£	£	£
1.	Bacchus Marsh	19,912	2 9	1,028					5,468			96,567
2.		31,187	624	1,519	335	2,478			3,430		(в)1,400	
3.	Calivil		260	1,174	1 58	1,592			3,750	3,750		5,342
4.	Campaspe	10,238	51	27 5				9,643	464			2 0,735
	Cohuna	109,030				2,922		68,518	5,665		(A)9,010	
6.	${f Deakin}$	38,597	375	9 1 3	173	1,46 1	40,058	62,496	3,197		·	105,751
	Dingee	13,503	156			1,020			1,2 12			32,822
	Echuca North	5,468	134	586		840		7,756	1,603			1 5,667
	Fish Point	1,124	589	240		884		1 ,464	608			4,080
10.	Gannawarra	80,899		1,140	290	2,608		59,053	5,479	64,53 2	(A)5,694	1 53,733
11.	Katandra		189	293	79	561			3,844			4,405
12.	Kerang	62,768	1,099	1,678	584	3,361	66,129	46,147	3,873	50,020	(a) 450	119, 2 99
											(B)2,700	
	Koondrook	71,131	1,013	1,532	257	2,802	73,933		6,840	79,973	(A)4,501	158,407
	Leitchville	2,41 8	436	440	12 6	1,002	3,420	3,807	1,485			8,712
	Maffra-Sale	2,1 95	371	1,2 56	601	2,228	4,423		6,480			15,183
	Merbein	22 9,840	964		309	15,548	2 45,388		7,955		(A)9,928	35 2 ,736
	Mystic Park	5,779	453	145	107	705	6,484	3,231	632	3,863		10,347
	Nth. Shepparton		497	.299	1 27	923		••	6,239			7, 1 62
	Nyah	71,967	1,212	4,479	504	6,195			4,207		(a)3,802	
	Red Cliffs	81,389	1,632		779	2 8,279	109,668		18,600			18 1 ,076
	Rochester	97,411	1,761	4,432	716	6,909			14,611	166,6 11		270,931
22.		196,120	4,171	7,926		13,206			23,714	326, 193		535,5 1 9
2 3.		40,915	811	524	414	1 ,749			8,956			140,147
24.		2,010	157	271	12 6	554		4,596	2 ,629	7,2 2 5		9,789
25.		20,923	478	1,490	1 46	2,114			4,673			55,926
26.	Swan Ĥill	70,484	633	1, 72 5	543	2,901	73,385		$6,\!215$		(A)4,768	136,431
27.		810	86	233	55	374			995			5,870
2 8.		44,558	1,558	1,8 2 5	347	3,730			7,632			144,048
	Tragowel Plains	87,395	1,595	3, 2 59	482	5,336			13,697	149,3 2 5		242,056
3 0.	Tresco	22 ,168		2,971	12 9	3,859		19,751	3,631	2 3,38 2		49,409
31.	Werribee	13,091	5 2 5		281	1,405		50,739	8,494			73,7 2 9
	Totals	1,433,330	25,112	84,467	9,648	119,227	1, 55 2, 557	1,558,730	186,278	1,745,008	42,253	3,339,818

WATERWORKS DISTRICTS.

STATEMENT of Moneys received and disbursed from 1st May, 1906, to 30th June, 1930; 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, 1930. (Free Head-works excluded.)

RECEIPTS.

			1st May,		199	2930.		Grand
District.			1906, to 30th June, 1929.	Rates.	Water Sales.	Interest and Miscel- laneous.	Total.	Total at 30th June, 1930.
			£	£	£	£	£	£
1. Birchip				3,274	78	11	3,363	1)
2. Sea Lake				6,074	173	. 62	6,309	100.000
3. Tyrrell	••		} 408,593 }	5,448		296	5,744	430,653
4. Wycheproof			1) 1	6,521	94	29	6,644	
5. Carwarp			9,090	296		30	326	9,416
6. Carwarp Central			680			5	5	685
7. Dering			1,688	322		3	325	2,013
8. Eureka			949	70		23	93	1,042
9. Hindmarsh				1,324			1,324	1,324
10. Karkarooc			164,824	11,325		55	11,380	176,204
11. Kerang North-West Lakes			2,670	159		1	160	2,830
12. Kia			2,0.0	219		7	226	226
13. Long Lake			142,074	5,604		55	5,659	147,733
14. Mornington Peninsula			33,849	3,000		78	3,078	36,927
15. Narre Warren			997	52	270		324	1,321
16. Tyntynder			80,790	3,342		109	3,451	84,241
17. Upper Western Wimmera			61,407	4,287		2	4,289	65,696
18. Upper Wimmera United			102,233	6,749	28	19	6,796	109,029
19. Walpeup West			22,962	1,279	120	65	1,464	24,426
20. Werribee			6,845	672	10	4	686	7,531
21. Western Wimmera			216,945	12,913	1,344	64	14,321	231,266
22. Wimmera United		• • •	239,044	15,706	1,281	162	17,149	256,193
23. ¥elta		• • • • • • • • • • • • • • • • • • • •	3,660	109	164	9	282	3,942
Totals			1,499,300	88,745	3,562	1,091	93,398	1,592,698

DISBURSEMENTS, AND INTEREST, DEPRECIATION, AND REDEMPTION CHARGED.

	·	1		DISBUI	RSEMEN	TS.		INTER	EST CHA	RGED.	N.	
				19	29-30,						4 F	6
	District.	1st May, 1906, to 30th June, 1929.	Repairs and Maintenance.	Distribution of Water.	Management.	Total.	Total at 30th June, 1930.	1st May, 1906, to 30th June, 1929.	1st July, 1929, to 30th June, 1930.	Total at 30th June, 1930.	(A) DEPRECIA- TION. (B) REDEMPTION	Grand Total at 30th June, 1930
		£	£	£	£	£	£	£	£	£	£	£
1.	Birchip											
2. 3.	Šea Lake	196,126	9,833	3,429	1,375	14,637	210,763	236,601	24,877	261,478	• • •	472,2 4 1
.4	Tyrrell Wycheproof						ļ					
5.		15,374	76	669	31	776	16,150	8,561	1,520	10,081	A 586	26,817
6.	Carwarp Central	651	l"	38	16	54			94			1,249
7.	Dering	902		106	42	418			445			3,179
8.	Eureka	1,275	331	400	37	768	2,043		160			2,768
9.			239	235	190	664			771			1,435
	Karkarooc	63,043	1,381	.773	315				9,949		• • •	180,336
11.		1,578	6	77	28	111	1,689	1,243	78			3,010
	Kia		16	41	34	91	91		199			290
	Long Lake	88,443		885	401	2,069	90,512		5,574			
	Mornington Peninsula	5,304		124	83	308	5,612		2,700		• • •	37,422
	Narre Warren	99		7	84	98	197		412			1,328
10.	Tyntynder	51,657	983	767	258	2,008	53,665		6,847			115,538
17.	Upper Western Wimmera	25,790	444	461	97	1,002	26,792	29,779	2,632	32,411		
10	Upper Wimmera United	32,924	1,532	1 014	170	2,919	95.049	62,202	× 400	67.624	€ В 1,500	
19	TTT 1 TTT .	17,010		1,214	$\begin{array}{c} 173 \\ 148 \end{array}$	$\frac{2,919}{1,502}$		9,437	5,422 $1,482$	10,919	в 2,390	
20	XX7 - "1	2,043	1,354	161	52	$\frac{1,302}{217}$	2,260		598	6,573	а 1,200	8,833
	TT7 TT7:	102,476	2,763	2,302	386	5.451	107,927		7,855		(A 2,422	
-1.	western wimmera	102,470	2,703	2,302	300	0,401	101,921	100,000	1,000	100,721	В 5,400	
2 2 .	Wimmera United	82,090	3,573	2,831	407	6,811	88.901	139,186	12.145	151,331	В 5,310	
	Yelta	2,538	263	210	40	513	3,051	1,820	231	2,051		5,102
	Mat - I-	400.000	00.050	7.4 = 60	4 10-	40.000						
	Totals	689,323	-,			42,886		844,719	83,991	928,710	27,719	1,688,638

DISTRICTS HELD IN TRUST BY THE COMMISSION.

STATEMENT OF RECEIPTS AND DISBURSEMENTS FOR THE YEAR ENDED 31ST DECEMBER, 1929.

	1035	03311 15.				
	Bank Balance,		. 19	29.		Grand Total
Name of Trust.	December,	Rates.	Water Sales.	Interest and Miscellaneous.	Total.	for Year 1929.
	£	£	£	£	£	£
Avoca	Cr. 77	609	21	13	643	720
Avoca (Quambatook, Urban)	Cr. 151	557	25	27	609	760
Carrum	Dr. 450	2.012		354	2.366	1,916
Loddon United	Dr. 526	2,217	10	229	2,456	1,930
Loddon United (Mitiamq, Urban)	Cr. 7	158	200	48	406	413
Totals	Cr. 235 Dr. 976	5,553	256	671	6,480	5,739

DISBURSEMENTS.

				1929.				Grand	Bank Balance carried forward	
Name of Trust.	Repairs and Maintenance.	Water Distribution.	Manage- ment.	Total.	Interest.		Depreciation. Redemption.	Total for Year 1929.	1st	January, 1930.
•	£	£	£	£	£		£	£		£
Avoca	334		174	508	81	В	97	686	Cr.	34
Avoca (Quambatook, Urban)	189	147	60	3 9 6	163 ∫	A	60 J	655	Cr.	105
•		i e			1 1	В	36 ∫			
Carrum	834		170	1,004	1,156	В	240	2,400	Dr.	484
Loddon United	482	1,032	224	1,738	647	В	305	2,690	Dr.	760
Loddon United (Mitiamo,				·				, ·		
$\mathbf{Urban}) \qquad \dots \qquad \dots$	206		16	222	206 ∫	A	28	174	Dr.	61
					1	В	18 🖍		ě	
Totals	2,045	1,179	644	3,868	2,253 (A	88)	6,905	Cr.	139
		, , , , , ,		,,,,,,,	-, " {	В	696	,	Dr.	1,305

URBAN DISTRICTS

STATEMENT of Moneys received and disbursed from 1st May, 1906, to 30th June, of Depreciation and Redemption charged, as at 30th June, 1930. (Free Headworks

RECEIPTS.

						1929	-30.		
District or I	Division			1st May, 1906, to 30th June, 1929.	Rates.	Water Sales.	Interest and Miscel- laneous.	Total.	Grand Total at 30th June, 1930.
				£	£	£	£	£	£
1. Antwerp 2. Bacchus Marsh 3. Berriwillock 4. Berwick			::	25,189 2,796 2,526 8,160 17,978	32 1,343 256 522 518 607 100	438 3 126 87 368 48	6 17 23 32 76 3	32 1,787 276 671 637 1,051	32 26,976 3,072 3,197 8,797 19,029 841
7. Bittern 8. Brim 9. Carrum 10. Carwarp 11. Chillingollah 12. Chinkapook 13. Cohuna 14. Corop			:	690 1,336 38,741 70 475 85 10,253 586	295 6,346 37 99 209 861 29	5 757 36 	14 204 1 1 1 57	314 7,307 38 136 210 1,023 29	1,650 46,048 108 611 295 11,276 615
15. Cranbourne 16. Culgoa 17. Dandenong 18. Dimboola.		::	:: :: ::	4,412 2,856 33,280 31,918	257 221 4,096 1,243	411 120 884 576	6 10 187 138	674 351 5,167 1,957	5,086 3,207 38,447 33,875
19. Dingee 20. Dooen 21. Frankston 22. Hastings 23. Hopetoun 24. Jeparit 25. Jung Jung 26. Koondrook				341 23,460 747 9,616 11,280 1,544 6,369	17 3,585 315 766 776 126 388	785 10 189 219 23 20	206 5 54 27 1	17 4,576 330 1,009 1,022 150 409	17 28,036 1,077 10,625 12,302 1,694 6,778
27. Lake Boga 28. Laibert 29. Lascelles 30. Leitchville 31. Lockington 32. Manangatang 33. Marnoo 34. Merbein			::	5,468 1,305 1,899 1,619 1,097 2,563 1,081 9,014	333 280 150 332 334 269 300 1,180	6 112 20 4 18 76 25 76	19 1 12 17 22 2 2 1 69	358 393 182 353 374 347 326 1,325	5,826 1,698 2,081 1,972 1,471 2,910 1,407 10,339
35. Meringur 36. Minyip		••	••	11,903	63 854	82	60	63 996	12,899
87. Mornington 88. Mount Martha 89. Murrabit 10. Nandaly 11. Natimuk 12. North Wonthaggi 13. Nullawil 14. Nyah			: : : : : :	17,114 532 439 9,530 673 507 963	2,375 583 27 122 306 441 107 91	356 11 254 2	1 2 99 4 8	2,920 595 27 124 659 445 117	20,034 1,127 27 563 10,189 1,118 624 1,067
5. Nyah West 6. Ouyen 7. Pakenham 8. Patchewollock 9. Piangil 0. Pyramid Hill 11. Rainbow			::	3,509 $15,103$ $1,477$ 97 $2,499$ $1,749$ $15,952$	650 1,391 530 142 284 417 811	$\begin{array}{c} 42 \\ 573 \\ 521 \\ 7 \\ 178 \\ 66 \\ 164 \end{array}$	4 56 15 1 3 28 44	696 2,020 1,066 150 465 511 1,019	4,205 17,123 2,543 247 2,964 2,260 16,971
22. Red Cliffs 33. Rupanyup 44. Sea Lake 55. Somerville 66. South Frankston 67. Speed	:: :: ::		::	6,201 10,396 12,266 1,509 7,099 63	1,564 760 739 215 1,352 203	149 34 239 50 211	72 46 59 5 2 2 12	1,785 840 1,037 270 1,565 205	7,986 11,236 13,303 1,779 8,664 268 9,991
8. Spring Vale 9. Stanhope 0. Tempy 1. Ultima 2. Waitchie 3. Watchem 4. Werrimull				7,634 694 140 5,946 317 4,437 279	2,140 192 142 485 83 345 191	205 7 4 8	12 2 3 36 1 28	2,357 194 145 528 88 381 193	9,991 888 285 6,474 405 4, 818 472
44. Wernmuli 45. Wonthaggi 46. Woomelang 47. Woorinen 48. Wycheproof 49. Yaapeet		::		68,638 11,357 331 11,991	2,654 322 164 856 85	2,058 420 152	27 30 2 59	4,739 772 166 1,067 85	73,377 12,129 497 13,058 85
Totals		••	••	490,099	48,012	11,353	2,117	61,482	551,581

AND DIVISIONS.

1930; and of Interest charged, at the rate of 4 per cent. on Capital Debits; and also excluded).

DISBURSEMENTS, AND INTEREST, DEPRECIATION, AND REDEMPTION CHARGED.

		I	DISBURS	EMENTS.			INTER	EST CHA	RGED.	z.	
	. to		1929-	30.			to . to . 29.	0. to		DEPRECIATION. REDEMPTION.	6
District or Division.	1906,	nd nce.	lon	ent.		30th 30.	1906, e, 192	1929 3, 193	£ .	RECT	tal al
	ay, J	irs a	ibuti ater.	me#n		##	fay, June	uly, June	at 30th , 1930.	EPI	d Total June, 19
	1st May, 1906, 30th June, 192	Repairs and Maintenance.	Distribution of Water.	Марадетерь.	Total.	Total June,	1st May, 1906, to 30th June, 1929.	1st July, 1929. to 30th June, 1930.	Total June,	(a) I (b) B	Grand Total at 30th June, 1930.
	£	£	£	£	£	£	£	£	£	£	£
1. Antwerp			6	11	17	17		6	6	(a) 3	26
2. Bacchus Marsh 3. Berriwillock	6,255 $1,499$	21 68	$\frac{186}{28}$	$\begin{array}{c c} 105 \\ 34 \end{array}$	$\frac{312}{130}$	6,567 $1,629$	$18,279 \\ 1,216$	$\frac{1,446}{213}$	19,725 $1,429$	(a) 686 (a) 58	26,978 $3,116$
4. Berwick	$356 \\ 3,498$. 19 92	$ \begin{array}{c c} 23 \\ 199 \end{array} $	$\frac{28}{32}$	$\frac{70}{323}$	$\frac{426}{3,821}$	$2,164 \\ 4,331$	$\begin{array}{c} 585 \\ 324 \end{array}$	2,749 4,6 55	(a) · · 68	3,175 8,544
5. Beulah 6. Birchip	8,384	27	374	75	476	8,860	8,447	657	9,104	(a) (b) 944	18,908
7. Bittern 8. Brim	$\frac{103}{340}$	$\begin{vmatrix} 3 \\ 34 \end{vmatrix}$	$\begin{vmatrix} 3 \\ 12 \end{vmatrix}$	$egin{array}{c} 4 \ 33 \end{array}$	10 79	$\frac{113}{419}$	$\frac{589}{741}$	1 5 0 190	$739 \\ 931$	(a) · · · 105	852 $1,455$
9. Carrum	6,946	222	273	330	825	7,771	31,740	6,500	38,240		46,011
10. Carwarp	20 19 5	14	$\begin{bmatrix} 10 \\ 24 \end{bmatrix}$	$\frac{13}{39}$	$\frac{23}{77}$	$\begin{array}{c} 43 \\ 272 \end{array}$	$\frac{24}{400}$	$\begin{array}{c} 25 \\ 149 \end{array}$	$\frac{49}{549}$	(a) 29 (a) 80	$\begin{vmatrix} 121 \\ 901 \end{vmatrix}$
12. Chinkapook	27	6	22	23	51	78	56	146	202	(a) 53	333
13. Cohuna	$2,896 \\ 261$	52	229 5	. 78	$359 \\ 13$	3,255 274	$6,391 \\ 293$	$673 \\ 14$	$7,064 \\ 307$	(a) (b) 727 (a) 45	11,046 626
l5. Cranbourne	633	10	12	15	37	670	3,840	648	4,488		5,158
16. Culgoa	$\frac{1,327}{6,243}$	27 135	$\frac{13}{166}$	$\begin{array}{c c} 34 \\ 200 \end{array}$	74 5 01	$\frac{1,401}{6,744}$	1,549 $26,005$	$\frac{267}{4,650}$	1,816 $30,655$	(a) 48 (a) 500	3,265 $37,899$
17. Dandenong 18. Dimboola	20,818	214	282	123	619	21,437	8,179	1,238	9,417	(a)1,620	33704
19. Dingee	128	14	15	18	47	175	216	61	277	(a) 56	∫ 508
20. Dooen			6	12	18	18		28	28		46
21. Frankston	$\frac{4,195}{169}$	$\frac{121}{12}$	148 15	$\frac{179}{18}$	448 4 5	$4,643 \\ 214$	19,0 53 63 1	$\frac{4,130}{277}$	23,183 908		27,826 $1,122$
23. Hopetoun	5,706	166	221	43	43 0	6,136	4,194	440	4,634	(b) 150	10,920
24. Jeparit 25. Jung Jung	2,295 996	$\frac{127}{18}$	39 63	68 29	$\frac{234}{110}$	2,529 1,106	7,589 587	876 83	8,465 670	(b) 800 (a) 40	11,794 1,816
26. Koondrook	3,236	10	223	39	272	3,508	2,778	204	2,982	(a) 270	6,760
27. Lake Boga 28. Lalbert	$\frac{2,524}{268}$	23 15	$\begin{bmatrix} 170 \\ 24 \end{bmatrix}$	51 53	$\frac{244}{92}$	2,768 360	$2,901 \\ 930$	$\frac{165}{281}$	3,066 $1,211$	(a) (b) 276 (a) 327	6,110 1,898
29. Lascelles	987	10	36	23	69	1,056	1,044	114	1,158	(a) 120	2,334
30. Leitchville	$793 \\ 261$	75 16	$\frac{185}{26}$	$\begin{bmatrix} 37 \\ 29 \end{bmatrix}$	$\frac{297}{71}$	$\frac{1,090}{332}$	881 795	$\frac{85}{240}$	$966 \\ 1,035$	(a) 112 (a) 180	$2,168 \\ 1,547$
32. Manangatang	749	39	24	57	120	869	1,392	336	1,728	(a) 325	2,922
33. Marnoo 34. Merbein	$\frac{214}{4,369}$	$\frac{14}{31}$	25 533	$\begin{array}{c c} 28 \\ 122 \end{array}$	$\begin{array}{c} 67 \\ 686 \end{array}$	281 5,055	570 4,598	$\frac{233}{745}$	$ \begin{array}{r} 803 \\ 5,343 \end{array} $	(a) 252 (a) 400	1,336 10,798
35. Meringur		15	12	20 67	$\frac{47}{321}$	47		$\begin{array}{c} 43 \\ 631 \end{array}$	43	`	90
36. Minyip	3,692	84	170			4,013	7,224		7,855	$\begin{cases} (a) & 491 \\ (b) & 400 \end{cases}$	$\}^{12,759}$
37. Mornington	2,983 122	$\begin{array}{c c} 88 \\ 20 \end{array}$	$\begin{bmatrix} 108 \\ 24 \end{bmatrix}$	$\frac{131}{30}$	$\frac{327}{74}$	3,310 196	13,813 400	$2,600 \\ 520$	16,413 920		19,723 1,116
39. Murrabit			10	14	24	24		20	20		44
40. Nandaly 41. Natimuk	$185 \\ 2,361$	$\begin{vmatrix} 11 \\ 73 \end{vmatrix}$	$\frac{12}{69}$	$\frac{19}{94}$	$\begin{array}{c} 42 \\ 236 \end{array}$	$227 \\ 2,597$	6,512	$\frac{69}{441}$	$\frac{242}{6,953}$	(a) 96 (b) 750	565 10,300
42. North Wonthaggi	179	45	80	28	153	332	400	314	714	(a) 120	1,166
43. Nullawil 44. Nyah	$\frac{180}{385}$	22	$\frac{15}{27}$	$\frac{18}{21}$	$\frac{55}{48}$	$\frac{235}{433}$	$\frac{321}{440}$	$\begin{array}{c} 166 \\ 55 \end{array}$	$\frac{487}{495}$	(a) 64	$722 \\ 992$
45. Nyah West	831	107	64	55	226	1,057	2,320	494	2,814	(a) 390	4,261
46. Ouyen	$6,023 \\ 183$	$\begin{array}{c c} 124 \\ 21 \end{array}$	$\frac{493}{26}$	$\frac{129}{31}$	$\frac{746}{78}$	$6,769 \\ 261$	8,746 960	$\frac{1,341}{930}$	10,087 1,890	(a) 400 (a) 204	17,256 $2,355$
48. Patchewollock	28	29	25	23	77	105	67	127	194	(a) 46	345
49. Piangil 50. Pyramid Hill	$\frac{637}{750}$	$\begin{array}{c} 26 \\ 170 \end{array}$	$\frac{36}{93}$	$\frac{39}{30}$	$\frac{101}{293}$	$738 \\ 1,043$	1,412	$\frac{278}{315}$	$1,690 \\ 1,123$	(a) 340 (a) 90	2,768 2,2 5 6
51. Rainbow	2,997	3 5	100	51	186	3,183	10,748	921	11,669	(a)(b)1,640	16,492
52. Red Cliffs 53. Rupanyup	$3,358 \\ 3,434$	$\begin{bmatrix} 26 \\ 51 \end{bmatrix}$	55 9 191	$\frac{104}{32}$	$\frac{689}{274}$	$\frac{4,047}{3,708}$	2,174 5,771	$642 \\ 640$	2,816 $6,411$	(a) 320 (a) (b) 841	7,183 10,960
54. Sea Lake	6,640	52	245	61	35 8	6,998	4,653	591	5,244	(a) 799	13,041
55. Somerville 56. South Frankston	$\frac{293}{1,144}$	$\begin{bmatrix} 7\\54 \end{bmatrix}$	9 66	$\frac{11}{80}$	27 200	$\frac{320}{1,344}$	1,419 5,843	$\frac{240}{1,400}$	$\frac{1,659}{7,243}$		1,979 8,587
57. Speed	34	21	24	24	69	103	30	77	107	(a) 60	270
58. Spring Vale 59. Stanhope	$\frac{1,218}{203}$	71 10	$\frac{87}{16}$	$\frac{105}{18}$	$ \begin{array}{r} 263 \\ 44 \end{array} $	$1,481 \\ 247$	6,030 454	$\frac{2,100}{141}$	8,130 595	(a) · · · 128	9,611 970
60. Tempy	4 8	29	36	24	89 146	137	84	52	136	(a) 52	325
61. Ultima	2,251 . 165	70 19	$\begin{array}{c c} 35 \\ 24 \\ \end{array}$	$\frac{41}{30}$	$\frac{146}{73}$	2,397 238	3,406 234	393 100	$3,799 \\ 334$	(a) 170 (a) 108	6,366 680
63. Watchem	1,418	68	24	36	128	1,546	2,783	324	3,107	(a) 150	4,803
64. Werrimull	$\frac{55}{11,583}$	$\begin{array}{c c} 20 \\ 407 \end{array}$	$\begin{bmatrix} 24 \\ 722 \end{bmatrix}$	$\frac{26}{250}$	70 1, 37 9	125 $12,962$	$128 \ 43,718$	$\frac{133}{2,361}$	261 46,079	(b) 9,000	$386 \\ 68,041$
66. Woomelang	3,736	112	85	65	262	3,998	6,950	666	7,616	(a) (b) 540	12,154
67. Woorinen	6,331	9 51	$\begin{array}{c} 12 \\ 494 \end{array}$	32 5 8	5 3 603	$\begin{array}{r} 163 \\ 6,934 \end{array}$	231 5,280	$\begin{array}{c} 101 \\ 479 \end{array}$	$332 \\ 5,759$	(a) 51 (a) 661	546 13,354
69. Yaapeet		2	18	17	37	37		89	89		126
			7,655	3,805		165,292		45,973	351,908	ı——	

LOAN EXPENDITURE.

STATEMENT OF LOAN EXPENDITURE DURING THE YEAR ENDED 30TH JUNE, 1930.

STATEMENT OF LOAN EXPENDITURE DURING THE YEAR ENDED 30TH JUNE, 1930.								
W	orks.				Loans Applicat Act No. 3582	tion	Loans Application Act No. 3813 and other Sources.	Total.
	adworks.				£ s.	d.	£ s. d.	£ s. d.
1. Kerang North-West Lakes 2. Loddon River	• • •	• •	• •	::			$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
River Murray We 3. Storages, Weirs and Locks	iters Acts	Works.			57,281 5	5	147,364 15 8	204,646 1 1
Reservoirs of 4. Campaspe and Loddon River		· es.			1,404 12	11	3,829 11 9	5,234 4 8
5. Goulburn Storages— Eildon Reservoir					25,588 16		179,047 15 10	204,636 12 3
Waranga Reservoir Enlarg 6. Maffra, Glenmaggie Reservoir	٠. :		••		244 19		1,907 7 8 6,513 2 7	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
7. Melton and Pykes Creek Research Wimmera-Mallee Storages—	ervoirs		• •	• •	3,297 19	3	15,786 3 6	19,084 2 9
Fyans Lake Pine Lake	• • • • • • • • • • • • • • • • • • • •		::	• •	4 3	6	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1,047 0 0 $5,025 12 11$
Waterwork	ks District	8.					,	
9. Bellarine Peninsula	Washa		• •	• •	16 13 5 0	$\frac{4}{0}$	103,774 12 2	103,791 5 6
 Birchip, Sea Lake, Tyrrell, and Carwarp and Carwarp Central 	na wycne	prooi		· ·	1,051 2	1	63,172 12 4 590 18 10	$\begin{bmatrix} 63,177 & 12 & 4 \\ 1,642 & 0 & 11 \end{bmatrix}$
12. Coreena	• • • • • • • • • • • • • • • • • • • •				116 9	4	1,505 18 1	1,622 7 5
13. Dering, Eureka, Baring, and							3,134 10 2	3,134 10 2
14. Hindmarsh 15. Karkarooc	• •	••		• •	2 10	0	14,566 14 9 12,737 11 1	$egin{array}{cccccccccccccccccccccccccccccccccccc$
15. Karkarooc 16. Long Lake	• •	• •	••				6,809 12 8	6,809 12 8
17. Millewa	••	• •	••	••	37 1	1	9,644 2 9	9,681 3 10
18. Mornington Peninsula 19. Tyntynder	••	••	••	• • •	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\frac{6}{8}$	65,488 3 8 11,998 15 5	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
20. Walpeup	••	••	••		245 9	4	10,700 16 7	10,946 5 11
21. Western Wimmera						0	9,842 14 0	9,842 14 0
22. Wimmera United 23. Wimmera Main Channels	• •	•	••	::	0 15	0	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$9,204 3 1 \\ 6,815 2 1$
24. Yelta	••		• •		::		131 3 7	131 3 7
	wns.							
25. Bacchus Marsh and Werribee	·	••	• •		2 1	6	110 16 4	112 17 10
26. Berriwillock, Beulah, Birchip 27. Cohuna, Koondrook, Leitchv	, and Brit	m Jurrahit		• •	18 1	7	378 9 8 869 10 8	$\begin{bmatrix} 378 & 9 & 8 \\ 887 & 12 & 3 \end{bmatrix}$
28. Coliban	ine, and n			• •	10 1	'	30,370 17 7	$\begin{bmatrix} 887 & 12 & 3 \\ 30,370 & 17 & 7 \end{bmatrix}$
29. Chillingollah, Chinkapook, C	ulgoa, and	Dimbool	a				. 847 16 10	847 16 10
30. Dooen, Hopetoun, Jeparit, J		and Lake	e Boga	• •			365 10 3 5.876 6 7	365 10 3
31. Heyfield and Stratford32. Lalbert, Lascelles, Marnoo, a	nd Manan	gatang.		· ·			5,876 6 7 114 7 11	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
33. Meringur, Werrimull, and Ca	rwarp						299 4 6	299 4 6
34. Merbein, Pyramid Hill, and	Red Cliffs			• •	12 1	4	2,977 11 6	2,989 12 10
35. Minyip, Natimuk, and Antwo 36. Nullawill, Nyah West, Ouyer	erp 1. Patchev	volloek, aa	nd Piangil	• •			503 18 5 618 10 4	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
37. Rainbow, Rupanyup, and Se			• •				2,755 4 10	2,755 4 10
38. Stanhope, Dingee, and Locki	ngton	• •	• •	• •			117 8 10	117 8 10
39. Speed, Tempy, Ultima, and V 40. Watchem and Woomelang	v antenie	• •	••	• •			$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
41 Woorinen, Wycheproof, and	Yaapeet		••		.:		1,465 1 6	1,465 1 6
42. Wonthaggi and Hicksboroug			• •	• •	32 10	0	1,157 5 6	1,189 15 6
Irrigation and Wa 43. Bacchus Marsh and Werribee					857 19	9	5,774 7 8	6 699 7 7
44. Boort	• ••				901 2	7	5,349 16 10	$\begin{bmatrix} 6,632 & 7 & 5 \\ 6,250 & 19 & 5 \end{bmatrix}$
45. Calivil							23,696 11 8	23,696 11 8
46. Cohuna and Gannawarra	• •	••	• ••	• •	2,209 19	8	13,517 19 9	15,727 19 5
47. Deakin 48. Dingee		• •					$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
49. Fish Point	••	••	••		1 9	7	247 5 2	248 14 9
50. Katandra	• •	• •	••	••	1,638 1	8	4,632 8 4	4,632 8 4
51. Kerang 52. Koondrook	••		• •	• •	1,638 1		4,013 8 11 814 1 7	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
53. Leitchville			• • •		760 13	6	3,486 18 1	4,247 11 7
54. Maffra, Sale	• •	• •		• •	1 16	9	29,810 15 10	29,812 12 7
55. Merbein 56. Mystic Park	• •			• •	196 8	5	1,294 8 4 587 5 11	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
57. North Shepparton	••			• • •	::		6,907 19 9	6,907 19 9
58. Nyah	••		٠٠.		207.75	~	642 17 1	642 17 1
59. Red Cliffs	chuca No	rth.			291 15	5	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	3,399 7 5
61. Rodney	··	• •			2 10	0	20,477 3 9	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
62. Shepparton	• • •	• •	••				11,865 2 1	11,865 2 1
63. South Shepparton	• •	••	• •	• •	l ::		2,233 7 9 5,082 8 1	2,233 7 9
64. Stannope 65. Swan Hill	••		••	::	767 9	9	4,672 7 1	$\begin{bmatrix} 5,082 & 8 & 1 \\ 5,439 & 16 & 10 \end{bmatrix}$
66. Third Lake		••		••		0	195 8 3	195 8 3
67. Tongala 68. Tragowel Plains	••	••		••	$\begin{bmatrix} 2 & 10 \\ 24 & 5 \end{bmatrix}$	0	14,677 0 6 7,855 11 1	14,679 10 6
69. Tresco					12 3	$^{0}_{2}$	133 10 6	$\begin{bmatrix} 7,879 & 16 & 1 \\ 145 & 13 & 8 \end{bmatrix}$
70. Goulburn Main Channels				••	101 19	9	80,571 4 8	80,673 4 5
Flood Protection an	d Drainag	e District	8.					
 Gippsland Rivers and Other Kooweerup, Cardinia, and D 	andenong	Creek	••	::	4,525 9	11	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
	laneous.				810 0	0	5015 10 4	0.505
73. Investigations Storages and V 74. Torrumbarry Districts—New	v orks v Districts	s comma	nded by	 Гог-	610 0	2	5,915 12 4	6,525 12 6
rumbarry Weir		••	••		412 4	6	291 14 11	703 19 5
Totals					104,936 3	6	1,036,616 10 3	1,141,552 13 9
STATEMENT O	e eyper	TITTE	E DURIN	СТ	HE VEAR E	MDE	D 30TH JUNE 10	

STATEMENT OF EXPENDITURE DURING THE YEAR ENDED 30th JUNE, 1930.

CONSTRUCTION OF TANKS AND FORMING ROADS IN THE MALLEE.

(This Expenditure was met by the Public Works Department.)

	(1111	э туренски	re wa	is met by i	He Lapite	MOLES	Departme	nt.)		C		
1. Mallee Tanks (Public	To pleat	and Channa	1								8.	
	ranks)	and Channe	TR	• •	••	• •	• •	• •		4,014	8	7
2. Clearing Roads	• •		• •		• •	• •	• •	••	• •	4,785	9	7
						Total	•	• •		£8,799	18	_2

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, 1931, with 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, 1931.

ESTIMATED DISBURSEMENTS.

	A.				
Revenue Producing Works—					
Coliban District				£ 13,350	
Irrigation and Wat		cts		119,850	
Waterworks Distri				68,100	
Drainage and Floo		cricts		1,200	
Diversions from St		• , • • • • • • • • • • • • • • • • • •		500	
General Expenditu				24.000	
£250 to be app	portioned to above	e Districts	• •	24,000	6005 000
	_				£227,000
	В.				
Non-Revenue Producing World	ζS				
General Services—					
River Gaugings, S					
	Settlement, Ge		nditure		
and Salaries (pro				£10,500	
Loan Works, Servi		etrayed fron	1 Votes	7,000	
Waterworks Trusts	Administration	• •	• •	2,600	000 700
•					£ $20,100$
	С.				
Non-Revenue Producing Work	ζS—-				
Free Headworks—					٠.
Broken River				\mathfrak{L} 275	
Goulburn-Waranga				1,750	
Kow Swamp				1,750	
Lake Lonsdale and	Lower Wimmers	a	• •	500	
Loddon River	• • • •	• • • •	• •	325	
North-West Lakes			• •	400	~ ^ ^
					5,000
				-	COEO 100
				_	£252,100
	ESTIMATED R	ECEIPTS.		-	£252,100 ————
	ESTIMATED R	ECEIPTS.		-	£292,100
Coliban District	••	ECEIPTS.			£ 47,000
Irrigation and Water Supply I	••	ECEIPTS.		 	£ 47,000 319,000
Irrigation and Water Supply I Waterworks Districts	••				£ 47,000 319,000 264,000
Irrigation and Water Supply I Waterworks Districts Flood Protection Districts	••			· · · · · · · · · · · · · · · · · · ·	£ 47,000 319,000 264,000 8,000
Irrigation and Water Supply I Waterworks Districts	••				£ 47,000 319,000 264,000
Irrigation and Water Supply I Waterworks Districts Flood Protection Districts	••				£ 47,000 319,000 264,000 8,000 30,000
Irrigation and Water Supply I Waterworks Districts Flood Protection Districts	••				£ 47,000 319,000 264,000 8,000
Irrigation and Water Supply I Waterworks Districts Flood Protection Districts Miscellaneous	Districts				£ 47,000 319,000 264,000 8,000 30,000
Irrigation and Water Supply I Waterworks Districts Flood Protection Districts Miscellaneous	Districts	Producing	 Works		£ 47,000 319,000 264,000 8,000 30,000
Irrigation and Water Supply I Waterworks Districts Flood Protection Districts Miscellaneous	Districts	Producing	 Works	£441,000	£ 47,000 319,000 264,000 8,000 30,000
Irrigation and Water Supply I Waterworks Districts Flood Protection Districts Miscellaneous	Districts	Producing	 Works evenue	,	£ 47,000 319,000 264,000 8,000 30,000
Irrigation and Water Supply I Waterworks Districts Flood Protection Districts Miscellaneous	Districts	Producing	 Works	£441,000 25,100	£ 47,000 319,000 264,000 8,000 30,000 £668,000
Irrigation and Water Supply I Waterworks Districts Flood Protection Districts Miscellaneous	from Revenue	Producing or Non-R	Works evenue	,	£ 47,000 319,000 264,000 8,000 30,000
Irrigation and Water Supply I Waterworks Districts Flood Protection Districts Miscellaneous	from Revenue and "C" above	Producing or Non-R	Works evenue	25,100	£ 47,000 319,000 264,000 8,000 30,000 £668,000
Irrigation and Water Supply I Waterworks Districts Flood Protection Districts Miscellaneous	from Revenue and "C" above	Producing or Non-R	Works evenue	25,100	£ 47,000 319,000 264,000 8,000 30,000 £668,000
Irrigation and Water Supply I Waterworks Districts Flood Protection Districts Miscellaneous	from Revenue and "C" above	Producing or Non-R	Works evenue	25,100	£ 47,000 319,000 264,000 8,000 30,000 £668,000
Irrigation and Water Supply I Waterworks Districts Flood Protection Districts Miscellaneous	from Revenue and "C" above	Producing or Non-R	Works evenue	25,100	£ 47,000 319,000 264,000 8,000 30,000 £668,000
Irrigation and Water Supply I Waterworks Districts Flood Protection Districts Miscellaneous	from Revenue and "C" above nues from other	Producing One on Non-R Authorities	Works evenue	25,100	£ 47,000 319,000 264,000 8,000 30,000 £668,000
Irrigation and Water Supply I Waterworks Districts Flood Protection Districts Miscellaneous	from Revenue available from	Producing One on Non-R Authorities	Works evenue	25,100	£ 47,000 319,000 264,000 8,000 30,000 £668,000

STATEMENT OF LOAN LIABILITY.

	Loan Liability of S	tate for	ks of Water Supply elbourno Water Su	Works of Water Supply at 30th June, 1930, exclusive of Melbourno Water Supply.	, exclusive		Total Interes debital	Total Interest of £1,073,427 debitable to—	
Works.	Total Advances, including Cost of Loan Flotation.	Deduct Redemption Paid.	Net Advances.	(A.) Amounts Written Off. (B.) Free Head- works. (C.) Uncompleted Or Unallotted Works. (D.) Loans Unexpended.	Balance at Debit of Authorities.	Interest payable by State on Net Advances.	(A.) Written Off. (B.) Free Head-works. (C.) Uncompleted or Unallotted Works. (D.) Loans Unexpended.	Commission and Other Authorities.	Amount received from Revenues of all Authorities to meet Interest,
Waterworks Districts	£ 4,829,924	£ 49,775	£ 4,780,149	£ (A.) 175,055	£ 4,605,094	£ 219,431	£ 8,031	211,400	
Irrigation and Water Supply Districts	4,349,628	31,690	4,317,938	(A.) 575,152	3,742,786	198,199	(A.) 26,392	171,807	£264,916
Goulburn Channel Works (Free Districts supplied are	1,381,266	106	1,381,160	(C.) 862,310	518,850	63,401	(C.) 39,589	23,812	(after provid- ing £42,733 for non-
Parad Month of the Property of Property of Property of Distributary Works this Expenditure	228,849	:	228,849	(C.) 40,939	187,910	10,505	(C.) 1,882	8,623	revenue producing works,
Mornington Peninsula	764,558	:.	764,558	(C.) 86,853	677,705	35,103	(C.) 3,990	31,113	Free Head works).
Kooweerup, Cardinia and other Flood Protection Schemes	391,980	:	391,980	(C.) 226,730	165,250	17,997	(C.) 10,407	7,590	_
Eildon Reservoir and Waranga Reservoir Enlargement	2,364,176	1,000	2,363,176	(C.)2,363,176	:	108,484	(C.) 108,484	:	
हुं हु Maffra-Sale Irrigation and Water Supply Districts	1,174,412	:	1,174,412	(C.)1,008,449	165,963	53,912	(C.) 46,290	7,622	
Millewa Waterworks Districts	495,595	:	495,595	(C.) 495,595	:	22,753	(C.) 22,753	:	
Red Cliffs Irrigation and Water Supply District	774,693	:	774,693	(C.) 293,141	481,552	35,569	(C.) 13,456	22,113	
Bellarine Peninsula	242,392	:	242,392	(C.) 242,392	:	11,127	(C.) 11,127	:	
Campaspe and Loddon Rivers Storages (proposed)	81,191	:	81,191	(C.) 81,191	:	3,728	(C.) 3,728	:	
Waterworks Trusts (including First Mildura)	2,099,306	292,006	1,807,300	(A.) 316,537	1,490,763	82,979	(A.) 14,530	68,449	679 130
Ord (Municipalities)	815,371	135,751	679,620	(A.) 163,760	515,860	31,206	(A.) 7,517	23,689) (2, 2, 12, 13)
River Murray Agreement Works	2,135,083	:	2,135,083	(C.)2,135,083	:	97,994	(C.) 97,994	:	
Irrigation and Waterworks Trusts Abolished	32,754	30	32,724	(A.) 32,724	:	1,505	(A.) 1,505	:	
Free Headworks	1,254,548	420	1,254,128	(B.) 1,254,128	:	57,581	(B.) 57,581	:	
Free Grants to Local Authorities	147,046	:	147,046	(B.) 147,046	:	6,752	(B.) 6,752	:	
Surveys, Exploratory, and Preliminary Works, including Purchase of Land reserved for Reservoirs	284,200	:	284,200	(C.) 284,200	:	13,050	(C.) 13,050	:	
Loan Moneys unexpended	46,776	:	46,776	(D.) 46,776	:	2,151	(D.) 2,151	:	

Dated at the Office of the State Rivers and Water Supply Commission, Treasury Gardens, Melbourne, the 29th day of October, 1930.

WM. CATTANACH, Chairman.

E. SHAW, Commissioner.

RICHD. HORSFIELD, Commissioner.

P. J. O'MALLEY, Secretary.

By Authority: H. J. GREEN, Government Printer, Melbourne.