### VICTORIA.

STATE RIVERS AND WATER SUPPLY COMMISSION.

# THIRTIETH

# ANNUAL REPORT,

1934-35.

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

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# STATE RIVERS AND WATER SUPPLY COMMISSION.

# ANNUAL REPORT, 1934-35.

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 1934–35, and Estimates for the ensuing year.

- R. H. HORSFIELD, CHAIRMAN.
- W. TREVEAN, COMMISSIONER.
- L. R. EAST, COMMISSIONER.

Since the last Report there has been one change in the membership of the Commission. In January last Mr. Commissioner Alfred Stephen Kenyon, M.I.E. Aust., retired, the vacancy being filled by the appointment of Mr. Lewis Ronald East, M.C.E., Assoc.M.Inst.C.E.

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# ANNUAL REPORT

OF

# THE STATE RIVERS AND WATER SUPPLY COMMISSION

FOR

# YEAR ENDED 30TH JUNE, 1935.

### WORKS CARRIED ON OR COMPLETED DURING THE YEAR.

The main works carried out during the year in the various Districts controlled by the Commission and the chief items of interest in each District are set out in the following pages.

### COLIBAN SYSTEM.

The Coliban System, which was initiated by the Government between 1865 and 1873, now comprises two main storage reservoirs on the Coliban River, the Upper Coliban with a capacity of 25,700 acre feet and Malmsbury with a capacity of 12,300 acre feet, together with 29 subsidiary reservoirs, with a total capacity of 6,970 acre feet, also main and distributary channels of a total length of 389 miles, and about 300 miles of urban pipe reticulation.

The scheme provides a supply of water for the City of Bendigo, the important towns of Castlemaine, Eaglehawk, and Maldon, and eighteen other townships, and, in addition to providing water for irrigating orchards, market gardens, permanent pastures, and other crops, of which the area watered annually is about 9,200 acres, supplies the demands of the mining industry throughout the District.

During the year the work of remodelling and concrete lining main and branch channels and replacing inefficient sections with reinforced concrete ground flume has been satisfactorily advanced. This important work is being carried out to minimize the heavy losses of water from the channels which traverse country generally of a porous nature, and also to facilitate the distribution of the increasing requirements throughout the area served.

The embankment of the Crocodile Reservoir at Fryerstown, which was partially breached by flood waters in October last, has been repaired, and an additional by-wash provided at the west end of the embankment.

To improve the supply of water to the township of Harcourt, the pipe head basin, from which the supply is drawn, has been lined with concrete, and the old 2-inch diameter main has been replaced by a new 4-inch diameter pipe main. The supply is now satisfactory.

The results obtained by the construction last year of an additional catch-water drain on the western side of Crusoe Reservoir, and the installation of a floating arm to enable water to be drawn off at a uniform depth nearer the surface, have been very satisfactory. The quality of the water supplied from this reservoir last Summer showed a marked improvement.

Several renewals and extensions of pipe reticulations at Bendigo, Eaglehawk, and Castlemaine, amounting in all to 64 chains, have been carried out, and many of the mains have been cleaned.

In connexion with the Commission's general scheme for the improvement of the reticulation systems of Bendigo, Eaglehawk, and Castlemaine, the Government has made funds available for the laying of a new main from Specimen Hill Service Basin to Eaglehawk. It is expected that this work will be completed before next Summer.

The completion of a new channel, 5 miles in length, from Ashbourne to Milking Yard Creek, capable of carrying up to 30 cubic feet a second, has enabled portion of the headwaters of the Campaspe River to be diverted into the storages on the Coliban River. Water was turned into the channel during the month of May, and by the end of the year approximately 1,000 acre feet were diverted into the Coliban storages.

Full supplies of water for sluicing purposes were made available from December to March, when, owing to the unfavorable condition of the storages, supplies for this purpose were discontinued until June.

### IRRIGATION AND WATER SUPPLY DISTRICTS.

### GOULBURN DIVISION.

### Rodney District.

In this District there are 639 miles of channels for the supply of water for irrigation and 43 miles of channels for drainage purposes.

There has been an increase in the area under irrigated culture in this District over the preceding year. Increases included the area of fodder crops and extensions of the areas under lucerne and pastures. Ample supplies of water were made available to meet all demands.

In addition to the carrying out of urgent repair and maintenance works, the district irrigation system was improved by the remodelling of portions of the Cussen and Bray Main Channels and distributaries, by the renewal of several regulators, checks, and bridges, and by the provision of outlet facilities and escape works. On the Dhurringile Channel a section in high embankment was cored with precast reinforced concrete slabs suitably jointed to prevent leakage by "yabbies". Other channels have been treated in a similar manner with satisfactory Across the Yambuna Creek in the north-west of Wyuna, a dam 300 feet in length was constructed for the diversion, to an outfall into the Goulburn River, of increasing storm inflows. Any water requirements along the Creek downstream from the dam are to be met by a low level subway combined with a tower regulator. District drainage works are being carried out with Unemployment Relief Funds, and good progress is being maintained. Eleven miles of new main and sub-main drains with auxiliary works have been completed, making the total length of main drains in operation in the District 43 miles.

Work is proceeding on the Rodney Main Outfall Drain which, when completed, will enable connexions to be made for the service of lands at Undera and Ardmona and to the south

of Tatura, a total area of 150 square miles.

### SHEPPARTON CENTRE.

Districts controlled from this centre are Shepparton, North Shepparton, South Shepparton, and Katandra, in which there are 490 miles of channels, 305 miles for irrigation purposes, and

185 miles for drainage.

The East Goulburn Main Channel has been extended in Dunbulbalane for a further distance of 4 miles to provide an outfall into the Nine Mile Creek, thus doing away with the "dead to this channel. This extension will also serve some thousands of acres of first class irrigation land. Remodelling of the northern portion of the Shepparton Fruit Area drainage system has been commenced with Unemployment Relief Work Grants, and the work already completed has greatly improved conditions in this portion of the District. This work is still in progress; and as operations proceed a further area will be relieved of drainage difficulties.

### Tongala Centre.

From this centre the Tongala, Stanhope, and Deakin Districts, and portion of the Echuca North District, are controlled. Irrigation channels in these Districts total 366 miles in length and drainage channels 266 miles.

The demand of 46,000 acre feet of irrigation water for the past season shows an increase on that of 40,000 acre feet for the year 1933–34, but still falls far short of the peak demand of 66,000 acre feet in 1929–30. The development of sown pastures in these districts has been most marked during the past 5 years. In 1930-31 the area under pastures totalled approximately 2,000 acres, and has gradually increased until in the past year a total of 8,000 acres was reached. There has, however, been a corresponding marked decrease in the area under lucerne. The visitation of swarms of grasshoppers in December, 1934, caused heavy losses of fodder crops. The losses, however, would have been greater but for the use of poisoned bran baits which proved very effective.

The drainage system in the Tongala District was further extended by the construction of 28 miles of new drains. This work included the completion of the Coram Drain and the diversion of the No. 2 Main Drain to higher ground in order to minimize the flooding of low lying land in the Koyuga area. Remodelling of 60 chains of the No. 14 Main Drain was carried out by means of a dragline excavator. This machine was also employed taking out 5 miles of the Tongala Main subsoil drain, which is now completed.

In the construction of bridges and syphons, the pneumatic core method of manufacture

of pipes in situ was used, a total of 1,250 feet being completed in this way, the sizes varying

from 15 to 30 inches in diameter.

In Stanhope District a preliminary survey has been carried out in connexion with the drainage proposals to serve a further area of 2,500 acres of land and so complete the drainage of this District. A cross-sectional survey was made of 10 miles of the Wyuna Main Channel with the object of obtaining information for the proposed remodelling of this channel.

In Deakin District, temporary repairs were effected to the old Wanalta Creek Weir. and weed growth has been removed from 26 miles of the old Wanalta Drainage Channel, and similar work is now in progress on 43 miles of the domestic and stock supply channels of the system in Moora, Burramboot, and Corop. Silt is also being removed from 3½ miles of the Corop Seepage Drain.

### ROCHESTER CENTRE.

In the Rochester and Campaspe Districts and that portion of the Echuca North District controlled from this Centre, there are 396 miles of irrigation channels and 91 miles of channels

for drainage purposes.

During the past year irrigation throughout the Rochester District was extensive, the quantity of water delivered under water rights being 46,588 acre feet, or 85 per cent. of the total rights; in addition, sales of water amounted to 7,480 acre feet, and 1,259 acre feet were supplied for domestic and stock purposes, bringing the total quantity of water supplied to 55,327 acre

The main works carried out in this District were in connexion with the provision of a comprehensive drainage scheme. During the year, 33 miles of drains were remodelled and deepened, and 30 miles of new drains were constructed. This work is still in progress.

In the Campaspe District, supplies were available for irrigation and domestic and stock purposes until early Autumn. The extended run of the river during the Summer maintained

the supply and materially assisted farmers to grow summer fodder crops.

### LODDON DIVISION.

### LODDON CENTRE.

The Districts administered from this Centre are Tragowel Plains, Dingee, and Calivil Irrigation Districts, Loddon United Waterworks Trust District, and Pyramid Hill, Mitiamo, and Dingee Urban Districts. The total length of irrigation channels in these Districts is 602 miles. The amount of irrigation water supplied for the year was 42,800 acre feet, as compared with 35,600 acre feet for the previous year. Better and more scientific methods of irrigation are being adopted by landholders in these districts, and the acreage under lucerne and seeded pastures is increasing.

In the Calivil District 1½ miles of new channel were constructed, and in the Loddon United Trust Area 9 miles of supply channel were remodelled. The banks of the Pyramid Hıll Urban Storage have been remodelled, and, with the installation of an electric pumping unit now in

progress, conditions of supply to the township should be considerably improved.

### BOORT DISTRICT.

For the supply of water for the irrigation of lands in this District there are 140 miles of channels. During the year there was a keen demand for irrigation water, 12,300 acre feet being delivered. This compares well with the year 1933-34, when 6,765 acre feet only were sold. In this District the gradual increase of areas under lucerne, sown pastures, and annual fodder crops is noticeable, and shows that irrigators generally are realizing the benefits to be derived from efficient irrigation methods.

In conjunction with the Kerang Shire Council, certain flood relief works in the vicinity of Lake Meering were completed and should enable future floods to be more satisfactorily

controlled.

### COHUNA CENTRE.

Controlled from this centre are Cohuna, Gannawarra, and Leitchville Irrigation Districts, and Cohuna and Leitchville Urban Divisions.

Throughout these Districts there are 232 miles of irrigation channels and 92 miles of

drainage channels.

The old timber flume on the Right Branch Channel across the Barr Creek has been replaced with a 6-feet diameter concrete syphon constructed under Unemployment Relief conditions. This is now in full working order, and has resulted in a considerable saving of water and an improved supply to the area concerned.

### KERANG CENTRE.

Throughout the Kerang, Koondrook, and Third Lake Districts controlled from this Centre there are 427 miles of irrigation channels and 61 miles of drainage channels.

Extensive drainage works under Unemployment Relief conditions are in progress. The Kerang East Drainage scheme is well advanced, and the Barr Creek, which acts as an outfall to this scheme, has been enlarged and deepened over a length of 9 miles. Considerable improvement to lands served by these drains is already apparent, and, when the scheme is completed in its entirety, lasting benefits are anticipated. Steps are being taken for the constitution of a "Drainage District" with a view to the making of a drainage rate on lands benefited to meet the cost of maintaining these works in effective condition.

### Tresco Centre.

From this Centre, the Mystic Park, Tresco, Fish Point, and Kerang North-West Lakes Districts are controlled. Irrigation channels in these districts total 128 miles in length and drainage channels 37 miles.

The strengthening of the levee banks along the full length of the Little Murray River has been completed, and protection is now afforded to the whole of the Fish Point and portion of the Swan Hill Districts. Under Unemployment Relief conditions, a channel from Lake Boga was constructed to give private diverters from Long Lake an improved supply. The Contour Channel from Lake Kangaroo around Lake Tutchewop, to enable the water level of Lake Tutchewop to be lowered while sending supplies direct to Fish Point and Swan Hill Districts, was completed, and will be in operation during the coming season.

### SWAN HILL CENTRE.

The Districts controlled from this Centre are the Swan Hill and Nyah Irrigation Districts, and the Nyah, Nyah West, and Lake Boga Urban Districts. Throughout these districts there are 140 miles of irrigation supply channels and 51 miles of drainage channels.

Considerable extension has taken place in the development of pastures on the Swan Hill

Flats, which have proved suitable for this type of culture.

The dried fruits crops were adversely affected this year by the severe Spring frosts, and the yield from this centre amounted to only 2,761 tons, as against 5,800 tons for 1933–34.

Concrete lined channels have been repaired during the year, and drainage works were carried out under Unemployment Relief conditions.

### RED CLIFFS AND MERBEIN DISTRICTS.

In the Red Cliffs District, in which there are 124 miles of irrigation channels and 3 miles of drainage channels, five general waterings and one special supplementary watering were provided during the year, full supplies being available to meet all requirements.

In the Merbein District there are 54 miles of channels for irrigation purposes and 5 miles of drainage channels. In this District, six general waterings and one special irrigation were

given, and all demands for water were met.

During the year, the Government made further grants from Unemployment Relief Funds towards the cost of main outlet works for sub-surface drainage of horticultural lands in the Red Cliffs, Merbein, and First Mildura Trust Districts. In the Red Cliffs District, schemes to drain 1,509 acres of irrigable land at Cardross and 936 acres in the South-West area have been completed and are functioning satisfactorily where growers have linked up their internal drains with the systems, while in the South-East area a scheme to drain 2,098 acres is nearing completion. In Merbein District, schemes to drain 2,361 acres of land in the North-West and West areas are practically completed, and a commencement will shortly be made with the drainage works for the East area. The completed works at Red Cliffs and Merbein now serve approximately onethird of the total area of the Districts. In the First Mildura Trust District, the Irymple Valley system has been put in hand, and the work on the main outlet drain is well advanced. This work is being carried out for the Trust by the Commission. These drainage schemes comprise complete systems of underground pipe drains, providing an outlet at suitable depths to all holdings within the areas served. The pipes, which have sealed joints, are of stoneware and reinforced concrete, ranging in size from 4 inches up to 36 inches in diameter. In order to eliminate risk of blockage and to reduce maintenance costs, irrigators are required to construct silt pits on their holdings, into which the internal drainage from individual blocks must be discharged before being taken into the Commission's system. All work put in hand has been at the request of the growers concerned, who are required to contribute at the rate of £5 per irrigable acre of their holdings towards the cost of the works.

Maintenance of irrigation channels in both Red Cliffs and Merbein Districts was carried out during the year, and special work of concrete lining the channels was undertaken from

Unemployment Relief Funds.

The dried fruits crops for the season amounted to 12,500 tons in the Red Cliffs District and 11,620 tons in the Merbein District, as against respective totals of 16,000 tons and 10,000 tons last year, the reduction at Red Cliffs being due to damage by frost and hail.

In the townships of Red Cliffs and Merbein important extensions and enlargement of the water reticulation systems were effected.

### BACCHUS MARSH AND WERRIBEE DISTRICTS.

For the supply of water for irrigation to lands in the Bacchus Marsh District there are 47 miles of channels. In order to cope with the increased demand for irrigation supplies to various parts of this District, 164 chains of channels were remodelled and concrete lined during the year. A new 24-inch diameter pipe syphon was constructed at the Maddingley Quarry to ensure supplies to the Main Parwan Channel, and the Lerderderg East Channel was remodelled, a distance of 28 chains being replaced by a new concrete box section. In addition the sides of the Lerderderg West Channel were raised 9 inches for a distance of 20 chains.

To improve the reticulation to the Police Paddock at Maddingley, 7 chains of 2-inch

diameter pipes have been replaced by a 3-inch diameter main.

On a section of the Lerderderg River the stone groynes and gabions constructed last year have been successful in protecting the river banks from further erosion.

In the Werribee District, there are 47 miles of irrigation channels and 25 miles of drainage

channels, as well as 24 miles of channels to provide domestic and stock supplies.

The work of concrete lining irrigation channels in this District, to prevent seepage and to give increased efficiency in delivery, was continued during the year, an additional length of 6 miles 25 chains being completed. The value of this work may be illustrated by stating the effect observed on Spur Channel No. 14, where, prior to lining, a head of 6 cusecs was employed for 7 days, irrigating holdings served by this channel. After lining, a head of 4 cusecs gave the same service in 4 days. In other words 32 acre feet of water now does the work for which formerly 84 acre feet of water was required.

All drainage channels functioned effectively during the year, and the run off after the torrential downpours of December and April was carried away without damage. A further

length of 6 miles 6 chains of drainage channels was cleaned out during the year.

The usual service of domestic and stock supply was given to the Waterworks District, and a further length of 9 miles 14 chains of channels in this District was re-graded during the year, resulting in the expedition of water deliveries.

### Maffra-Sale District.

In this District, there are 192 miles of irrigation channels and 81 miles for drainage

purposes.

Unseasonable weather conditions, with phenomenal falls of rain during the greater part of the irrigation season, not only reduced the quantity of water used for irrigation, but placed a considerable strain on the drainage systems of the district. Drainage channels which had dealt successfully with the run off during previous seasons were found to be inadequate under the abnormal conditions. Investigations are being made with the object of overcoming this difficulty by the provision of additional outfalls where possible. Great damage was done to the irrigation supply channels by the floodings which followed the rains of December, February, and

April, and special grants were obtained to enable repairs to be effected.

During the year, 2 miles of new channel and 71 chains of concrete box section channel were constructed. Four new spillways have been provided for the more efficient control of the distributary system, and a check and measuring weir has been constructed in the Main Sale

channel.

With funds provided for Unemployment Relief purposes,  $5\frac{1}{2}$  miles of channels were remodelled, and the drainage system has been extended by the construction of 23 miles of new drains

and the enlargement and remodelling of  $8\frac{1}{2}$  miles of existing drainage channels.

The water supply to the township of Stratford has been further augmented and improved by the remodelling and lining of the minor basin, which is now being used as a service basin, the main basin acting as a settling and storage basin. The total capacity of these basins is now 6,000,000 gallons. The main pipe line crossing the Avon River was damaged by the floods, repairs and replacements being necessary.

The channel supplying water to Heyfield township was also seriously damaged by floods from the hillside, necessitating the immediate carrying out of repair works.

### INVESTIGATIONS OF NEW IRRIGATION AND WATER SUPPLY PROPOSALS.

### Proposed Murray Valley Irrigation District.

In connexion with the projected supply of water from the Hume Reservoir by means of a diversion weir on the River Murray at Yarrawonga to lands within the proposed Murray Valley District, contour surveys have now been completed over the greater portion of the area to be irrigated, and the design of the channel system is well advanced. Detail investigation surveys at the site of the diversion weir have been completed, and the main canal therefrom has been located for the first four miles and is now under construction. This channel is being constructed in the first instance with a bed width of 61 feet to carry some 1,000 cusecs, and provision is being made for its later enlargement to 84 feet when its capacity will be 1,350 cusecs.

### PROPOSED WESTERN DISTRICT TOWNS SUPPLY.

Negotiations have been continued with the Warrnambool City Council and the Hampden Shire Council in connexion with the proposed scheme to supply water from the Otway Ranges to the City of Warrnambool and the townships of Camperdown and Terang in the Western

District, and it is expected that work will be put in hand at an early date.

The headworks of the scheme will be on Arkins Creek near Wyelangta, where an average annual rainfall of some 80 inches will provide an assured and adequate supply of good quality water. Water will be diverted from the creek by a low concrete weir at an elevation of 1,100 feet above sea level, and conducted by main and branch pipe lines to local storage reservoirs in the vicinity of Camperdown, Terang, and Warrnambool of ample capacity to meet the requirements of these centres.

The scheme, which is estimated to cost £310,000, includes the installation of complete pipe reticulations for Camperdown and Terang, and the supply of water in bulk to Warrnambool, which already has its own reticulation system.

### PROPOSED NORMANVILLE WATERWORKS DISTRICT.

For the supply of water by gravitation for domestic and stock purposes to about 130 square miles of land near Quambatook, Gredgwin, and Normanville, a scheme has been formulated by the Commission, and it is expected that work will be commenced early in the forthcoming year.

### IRRIGATION DISTRICTS DRAINAGE PROPOSALS.

In Merbein and Red Cliffs, surveys have been further extended in respect of comprehensive drainage schemes for lands within these districts, and drainage reserves at outfalls of the respective schemes have been defined.

Surveys in connexion with drainage schemes in North Shepparton, Rodney, Tongala, Rochester, and Kerang East Districts have been further extended.

### WATERWORKS DISTRICTS.

### Mornington Peninsula District.

During the year, the capacity of the Mornington Reservoir was increased to 71,000,000 gallons.

Owing to the very heavy run-off from the catchment of the Lysterfield Reservoir during the unprecedented rainfall of December last, flood waters in this reservoir reached a level which was considered to be inconsistent with the safety of the structure, and, although no damage was done to the embankment, it has been considered advisable to raise the bank crest by six feet to prevent any possibility of over-topping. This work has been commenced, and is being carried out from Unemployment Relief Funds.

The only serious interference with the works of this District caused by the December flood was the washing away of portion of the newly laid Longwarry supply main owing to the partial destruction by flood waters of the Bunyip River road bridge to which the pipe line was attached. Supply to the township was reinstated within four days by laying a temporary pipe across the river, utilizing the railway bridge nearby. When the road bridge was reconstructed six months later, a new main was installed, and the temporary pipe removed.

Other reticulation works suffered only minor damage from this abnormal flood.

Extensive reticulation works, consisting of 12-inch, 8-inch, and 6-inch diameter mains were carried out in the Keysborough and Dingley areas, south of Springvale. Ample water from the Lysterfield Reservoir via the Hallam-Chelsea pipe line is now available to the market gardeners and poultry farmers in these districts. A supply for residents of Wells-road, Carrum Downs, was also provided from this pipe line.

Reticulation of the Ranelagh Estate in the South Frankston Urban District has now been commenced. A small pipe which has been delivering water in bulk will be replaced by a 6-inch diameter main and a general reticulation system. This will result in greatly improved service. Extensions were also made to existing reticulation works in the City of Chelsea and the townships of Frankston, Mornington, and Berwick.

During the Christmas and New Year holiday period, the Centenary Jamboree of the Boy Scouts Association of Victoria was held at Frankston. A special water supply to this camp was made available from the Frankston supply main, and an extensive temporary reticulation system to serve a population of over 10,000 was installed at the expense of the Boy Scouts Association.

### Wonthaggi District.

The main storage at Lance Creek proved adequate for requirements, but difficulty was again experienced in maintaining the supply to the service basin at Wonthaggi during peak demands. To overcome this, a second pumping unit has been installed on the main, and a low level basin is being constructed at the pump site to provide a reserve storage near the town.

### Bellarine Peninsula District.

During the year full supplies of water were maintained for all demands in the above district, the main reservoir of 10,000 acre feet at Wurdee Boluc being full at the commencement of the season. On the inlet and outlet channel systems, which now total 92 miles, operations were confined chiefly to maintenance and minor improvements.

The most important works completed were the pipe reticulation systems of the townships of Torquay and Anglesea, and the supply channels to their service basins. These services were completed early last Summer and are now in successful operation.

A number of extensions to mains was also made in the existing urban districts throughout the scheme, which now supplies Queenscliff and Point Lonsdale, Barwon Heads and Ocean Grove, Drysdale, Portarlington, Torquay, and Anglesea, and, in addition, provides supplementary supplies for the City of Geelong.

In the rural district, advantage of the water supply is being taken to a greater extent by landholders who, in some cases, have laid their own services for considerable distances from the Commission's main pipe lines to obtain water supplies for domestic and stock use as well as for agricultural purposes.

From this scheme, 433,000,000 gallons of water were supplied to the Geelong Waterworks and Sewerage Trust during the year, from the Commission's Bellarine Main.

### Map of South-Central Portion of State.

A map, showing the Commission's operations in the South-Central portion of the State, is inserted in this Report. The general schemes for the supply of water to the townships and lands within the Bellarine Peninsula and Mornington Peninsula Districts are set out; the Pykes Creek and Melton Reservoirs which supply the Bacchus Marsh and Werribee Irrigation Districts are shown; and the location of the important Coliban Storages is given. In addition, the Kooweerup and Cardinia flood protection works are outlined, as well as those of the Carrum Trust District.

### WIMMERA DIVISION.

### WIMMERA-MALLEE WATER SUPPLY.

Owing to light Winter and Spring rains in 1934, considerable trouble was experienced from sand drift in the Mallee Districts and many miles of channels, particularly those adjacent to fallowed land, were completely filled with sand. This question of sand drift is dealt with more fully in a separate section of this Report.

Notwithstanding these conditions, the annual distribution of domestic and stock supplies throughout the 6,197 miles of Commission's channels in the system, was carried out without delay. The area supplied is 11,000 square miles and, in addition to supplying farmers tanks and numerous public storages, full supplies of water were given to five towns controlled by Waterworks Trusts and the following 38 Urban Districts which have pipe reticulation systems operated by the Commission:—

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

At the end of the year, all the headworks reservoirs of the system contained ample reserves of water for the requirements of the present season's run. The inlet channel to Moora Reservoir from the Glenelg River was completed and operated successfully during the year enabling some 11,326 acre feet to be diverted into the Wimmera–Mallee storages from that river.

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

The Drung Drung channel, 6 miles in length, was constructed to supply an area, to the east of Taylors Lake Reservoir, which hitherto depended on surface catchments for its water.

Improvements to urban reticulation systems comprised the installation of a new 6-inch diameter main in Rupanyup and extensions at Dimboola, Natimuk, and Jung Jung. Complete remodelling of the pipe reticulation of the township of Jeparit has been approved and will be carried out during the coming year.

The new low level weir in the Wimmera River at Longerenong, enabled surplus flows to be diverted along the Yarriambiac Creek to Lake Corrong at Hopetoun.

Arrangements have been completed for the construction of a further 7 miles of distributary channel in the parishes of Nurrabiel and Darragan, and a new channel 4 miles in length is under construction in the parish of Jeffcott, east of Donald.

BIRCHIP, WYCHEPROOF, SEA LAKE, DERING, EUREKA, BARING, WALPEUP CENTRAL, KIA, TYRRELL, LONG LAKE, AND TYNTYNDER DISTRICTS.

On account of sand drift in the northern portions of these Districts, more than normal expenditure was involved in preparing the channels for the annual run. No new channels were constructed excepting short extensions totalling  $2\frac{1}{2}$  miles in length in the Tyntynder and Wycheproof Districts.

The Walpeup Township reticulation was completed during the year and is now in operation.

In Urban Districts extensions of mains were carried out at Manangatang, Woorinen, and Lalbert, and the existing reticulation in Sea Lake was improved.

In Baring District, eleven ironclad catchments for water supply of farm allotments not commanded by channel were completed, and settlers concerned have been thereby relieved of carting their supplies long distances from public tanks; fifteen of these catchments are now functioning in this area.

Owing to a cyclonic storm which traversed the area, the urban supply windmills at Woomelang were blown down, and severe damage occurred at other centres. Repairs where necessary were carried out.

### WALPEUP WEST DISTRICT.

In this District, 109 public bores equipped with windmills and elevated tanks provide water supply for farmers without private bores, as well as for public purposes.

Extensive repairs were necessary to many of these plants owing to damage caused by a cyclonic storm. Apart from this, these plants have been maintained in good working order throughout the year.

### COREENA DISTRICT.

The annual watering of the 100 miles of channels in this District was carried out effectively from the pumping plant adjacent to the River Murray at Coreena Bend from which water supplies are drawn.

### CARWARP AND CARWARP CENTRAL DISTRICTS.

The water for the supply of these Districts is pumped at the main Red Cliffs plant on the River Murray. Owing to channel improvements the time hitherto taken to run water in the 154 miles of channels comprising the system was reduced.

### Yelta District.

During the year all tanks on occupied allotments were filled through the 50 miles of channels in the District. Owing to the number of abandoned allotments in this area, costs of maintenance per tank supplied are increasing, and consideration must be given to the curtailment of this system in the near future.

### MILLEWA AND MILLEWA CENTRAL DISTRICTS.

Full supplies of water were given to all occupied allotments through the 687 miles of channels which comprise the system. Water is pumped from the River Murray near Lock 9 to a height of 145 feet for the Millewa District and a further 135 feet for the supply of the Central District. The time taken to complete the watering was 174 days and represented a reduction on the previous year with consequent diminution in working expenses.

In the south-eastern portion of the District some 30 miles of channels were not watered as practically all the holdings in this locality have been vacated.

The improvements to the Meringur Urban pipe reticulated water supply system were completed and short extensions to mains in the Werrimull Urban District were also made.

### SAND DRIFT.

The problem of Sand Drift in Mallee Districts is viewed by the Commission with grave concern. After two seasons during which moderate rains fell in the Winter and calm conditions prevailed in Spring and Summer, the sand drift trouble was again accentuated last Summer, although not to the same extent as in some previous bad years. Photographs in this Report give some idea of the seriousness of the position as it affects water supply. These are not of isolated cases, there being numerous places where sand drift is as bad and even worse than those illustrated. As each dry period passes, it becomes more evident that the menace is becoming progressively worse, and the Commission desires to stress that, without some definite action being taken, the time is not far distant when it will be impossible to keep some channels open, and certain areas will thereby be deprived of water, eventually involving their abandonment for agricultural purposes.

Contrary to the general idea, the country most affected at present is the central Mallee belt where, as a result of settlement and cultivation, all vegetation has been gradually killed. Year by year this condition is spreading further north towards the newer areas where rainfall is less and the soils are more sandy, but are at present held to some extent by the incomplete destruction of the original vegetal cover. Unfortunately, during seasons when rainfall is above the average, the sand drift is forgotten, and during these years the gradual killing of the natural vegetation still goes on.

There have been many suggestions as to how the trouble can be coped with, and the two most frequently advocated ideas are (1) the planting of shelter belts, and (2) the substitution of a pipe system in lieu of the channel system for domestic and stock water supply.

The first suggestion of course merits consideration, but, when it is considered that to protect channels only, some 2,500 miles of shelter belts would ultimately have to be planted, and the cost of planting of these belts would be several times greater than that of the channel system itself, it will be seen that this is hardly practicable and could not give immediate relief.

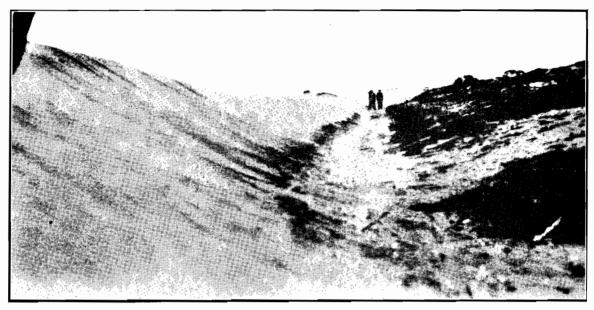
The second proposal divides itself into two subdivisions, (a) pumping through small pipes and delivering water under pressure, and (b) undergrounding of the channel system into large concrete pipes, not under pressure. Under scheme (a) many pumping stations would be necessary and therefore many sub-reservoirs at various points in the system. Pumping costs alone would double the present cost of water supply, while the smallest sub-main pipe would cost £700 a mile as compared with £100 for the channel system. Interest and depreciation charges would be proportionately higher. Under scheme (b) it is sufficient to say that the smallest concrete pipe that could be used would cost thirty times as much as a similar length of channel in earth. Seeing that the cost of the channel systems at present in the Mallee is approximately £2,000,000, it will readily be seen that the capital cost of the concrete pipe system would exceed £60,000,000. Such an expenditure can hardly be considered.

The piping of particularly bad sections of channels through cuttings is, however, practicable, and this has already been done in some cases, and other places will be similarly treated from time to time. It must, however, be pointed out that these cuttings are, on the average, only some few chains in length, and the drift they contain is inconsiderable compared with the long stretches of normal sized channels which become completely drifted up in one paddock when fallowed.

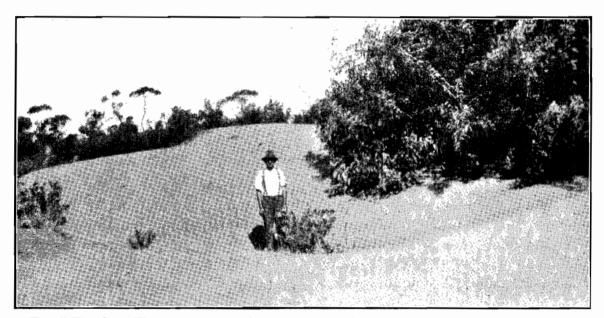
It would therefore appear that, if the channel system is to function, some protection must be given against the thoughtless intense cultivation which is carried on right up to the works, and that immediate action is desirable to preserve timber belts in all areas where the natural growth or Mallee root is not yet killed. Sand drift legislation introduced in Western Australia and South Australia in 1890 and 1924 respectively, has been found to operate beneficially, smoothly, and efficiently. In those States, however, they have no channel systems, the legislation being for the protection of other public works such as railways and roads.

In Victoria, with its extensive channel systems, statutory powers to deal with sand drift are even more urgently required and the Commission strongly recommends the introduction of legislation on the lines urged by the Sand Drift Committee in its report of 1933, in order to maintain the water supply to the Mallee.

### SAND DRIFT.



Water Channel, Tyrrell West.—Drift caught by channel banks. Channel which was originally 3 ft. bed width and 1 ft. 6 in. deep has had to be abandoned.



Tyrrell West Main Water Channel, near Sea Lake, completely blocked. 7,000 persons depend on this channel for their water supply.



Water Channel, Piangil.—Sand drift from fallow shown encroaching on a running channel. No drift has occurred on opposite side where land is covered with vegetation.

### DRAINAGE AND FLOOD PROTECTION SCHEMES.

### LOCH GARRY.

During the past year, the Loch Garry works were subjected to severe tests. A sharp flood to 34 2 feet on the Goulburn River at Shepparton gauge in November, 1934, was successfully held by the works, which effectively protected the area included in the district. Early in December a flood of extraordinary size was experienced, reaching 37 4 feet on the Shepparton gauge, almost as high as in 1916, and, for the first time since the construction of the works, all the bars were removed from the spillway. This flood tested the works severely, but, with the exception of a break in the levee bank between the spillway and the river, the works held well and prevented more serious flooding within the district. The flow through the break was compensated for by replacing some bars in the spillway.

Repairs have been carried out to the levee bank where necessary, and the scour at the spillway was protected by a concrete apron and some stone beaching.

### KANYAPELLA.

A breach occurred in the levee bank across the Warrigal Creek during the flood in the Goulburn River in December, 1934. The basin was flooded to a depth of approximately 3 feet but little or no damage was done to property or crops. The breach has been repaired, and the embankment reinforced by a concrete corewall and brought to its original height. Weak places in the remaining portion of the banks were strengthened and repairs were also effected to the channel between the Yambuna and Warrigal Creeks.

### ECHUCA.

The levee bank has been maintained in good condition. The December floods did not cause any difficulties in this District.

### CARRUM.

Owing to the unusual sequence of heavy storms, several severe floods took place during the year. A flood of over 5,000 cusecs occurred in the Dandenong Creek in October, 1934, followed at the end of November by a phenomenal flood of over 17,000 cusecs, which caused extensive flooding throughout the District and serious damage to private property, as well as to the works in the District. Extensive repairs have been necessary and these have been carried out with funds provided from Unemployment Relief Grants.

### KOOWEERUP AND CARDINIA.

In these Districts, which together embrace some 90,000 acres of reclaimed swamp lands, there are 415 miles of drainage channels controlled by the Commission.

The year has been one of unusually heavy flooding, the rainfall for the latter half of the year being more than double the average. A flood of over 5,000 cusecs occurred in the Bunyip River in October, 1934, and some flooding of lands took place, but this was eclipsed when towards the end of November there occurred a rainstorm of unprecedented intensity and duration, which caused the flow of the Bunyip River to rise on 1st December, 1934, to 40,000 cusecs, nearly four times the previous maximum recorded in 1924. This extraordinary flow, which represented a discharge of 154 cusecs per square mile of the catchment area, resulted in serious and widespread flooding, inundating practically the whole district, including the township of Kooweerup, and causing considerable destruction and loss in the district, and much damage to various parts of the drainage works, as well as to municipal roads and bridges and to railway permanent way. Over 28,000 cubic yards of earthwork were required to repair breaches in the drain banks. Heavy rains were again experienced in the early months of 1935 and another severe flood of over 10,000 cusecs occurred in April.

The occurrence of this sequence of floods has indicated the necessity for additional protective works, and, following upon the allocation by the Government of substantial provision for the improvement of the drainage works of the Kooweerup and Cardinia Districts, the Commission has made a thorough investigation of conditions in these Districts to ensure that the funds available might be expended to the best advantage.

This investigation has now been completed and plans for a substantial portion of the proposed works have been prepared. For many years, owing largely to increasing run-off resulting from the clearing and development of the surrounding highlands, the low-lying lands along the McDonald's or Western Boundary Drain, McGregor's Drain and the Toomuc-Cardinia Outfall, have suffered severely from flooding, even at times of only moderately heavy rainfall, and it has become evident that these drains, which have very little fall, cannot deal effectively with the flood waters which they are now called upon to carry.

It is proposed, therefore, in the first instance, to relieve this area by excluding the Deep Creek water from McDonald's Drain altogether, taking it to a separate outlet by a new independent drain in the direction of the natural fall of the country towards the Toomuc System, and thence parallel to that system to Westernport Bay. The new drain will be  $9\frac{1}{2}$  miles long and will have a carrying capacity of 2,000 cusecs.

On the opposite side of the present Toomuc-Cardinia Outfall, another large drain of even greater capacity and  $3\frac{3}{4}$  miles in length will be constructed to carry the discharge of the Cardinia Creek independently to the Bay.

This arrangement will leave the existing drains free to take the flows of the Toomuc and Gum Scrub Creeks only, and will provide a total capacity more than three times that of the present drains.

In addition to these two main drains, new catch-drains, 6 miles and 3 miles long respectively, will be provided on the east and west sides of the outlet system to carry off seepage and local drainage.

The proposed new Deep Creek Drain will, incidentally, intercept the run-off from the Pakenham District, and will, by relieving both Hagelthorn's and McGregor's Drains of external water, provide improved facilities for internal drainage of low lands in this area, particularly between McGregor's and McDonald's Drains.

The new main drains will be excavated to depths of from 7 to 8 feet, and their banks will be constructed so that flood waters can be carried safely at a height of 4 feet above the natural surface.

The works will involve nearly  $1\frac{1}{4}$  million cubic yards of excavation; and will mean the resumption of some 400 acres of land, the erection of nearly 2,000 feet of road and railway bridges, and the provision of more than 20 miles of fencing.

The Commission points out that, although complete immunity from flooding cannot be obtained, the proposed works will provide for the lands in the Cardinia District and for a large area in the Kooweerup District a very substantial measure of protection from all but phenomenal floods such as that of December last, when the total discharge of flood waters on to the Swamp lands was four times as great as the previous record. Even with such a phenomenal discharge, the increased waterway thus provided would very considerably lessen the extent and duration of flooding over the Swamp lands.

Minor works carried out during the year included the erection of two occupation bridges and one road bridge, and eleven concrete chutes. Twenty-six chutes and pipe outlets and seven bridges were reconditioned.

Maintenance work, much of which was carried out from special funds, comprised the cleaning and in places regrading of drains for a total length of 242 miles, the treatment of noxious weeds and vermin along some 50 miles of drainage reserves, and general repairs to bridges and structures.

Privately owned plants, operating under an arrangement with the Commission, have removed 12,000 tons of clean sand from the Kooweerup Main Canal during the year for commercial purposes. The total output of sand to date is 297,000 tons.

A graph showing the highest recorded flood flows of the Bunyip River, at Bunyip, for each year from 1907 to 1935 is attached. This graph clearly indicates the phenomenal nature of the flood of December, 1934.

### RIVERS AND STREAMS DIVISION.

### RIVER IMPROVEMENT.

During the year many applications were received from land owners for permission to carry out works for the protection of their properties from erosion or flooding, and, where investigations showed that proposals were justifiable, permission was granted under the provisions of the *Water Act* 1928 for the works to be carried out at the cost of applicants.

Further useful work was done on various streams of the State with assistance from the Rivers and Streams Fund, from which grants are made to assist in works of stream improvement, comprising the removal of obstructions from watercourses and the prevention of erosion of banks. During the year 44 grants towards the cost of works of this nature were recommended, after investigation, to the Honorable the Commissioner of Public Works, and subsequently approved by him, bringing the total number approved since the creation of the Fund in 1930 to 163. These grants are made on a contributory basis only; where expenditure is for protection of public works such as roads or bridges, grants have been made up to two-thirds of the total cost, but where private lands only are benefited, contributions are required from the landowners concerned, the subsidy from the Fund being limited to not more than one half the total cost of works. The grants made from the Rivers and Streams Fund for the year totalled £6,808, bringing the total from the commencement of the Fund to £23,458.

Further surveys have been made of rivers requiring works of improvement. The Yarra River has been surveyed from Wesburn to Yering, the Yackandandah River from Yackandandah to the Kiewa River, and the Cann River for a distance of 10 miles above the Princes Highway. Surveys of the Goulburn River from Eildon Weir to Molesworth and of the King River from Oxley to Cheshunt are now in hand.

Following the disastrous and unseasonable floods that affected such a large portion of the State, the Government, at the request of the Commission, made available an amount of £20,000 from Unemployment Relief Funds for the purpose of clearing obstructions from streams throughout the State, thus facilitating the removal of flood waters. This amount is being expended, with the co-operation of the municipal councils concerned, on the Avoca, Broken, Fitzroy, Goulburn, King, Kiewa, Latrobe, Loddon, Macalister, Mitchell, Ovens, Powlett, Rubicon, Tambo, Tarra, Tarwin, Thomson, and Yarra Rivers, and much useful work is being effected.

### MURRAY LEVEES.

Applications received during the year for permission to carry out works to protect lands from the effects of floods in the River Murray were dealt with, after investigation, by the Interstate Committee appointed for the purpose. A proposal by Victoria to erect a levee to protect 2,400 acres of lands near Echuca was approved.

### 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.

Abnormal rainfall in Gippsland during the period October to April resulted in a remarkable series of floods. The greatest of these occurred at the beginning of December when phenomenal flooding was experienced in all streams from the Yarra to the Thomson catchments. In each of the streams for which records are available the flood discharge was greatly in excess of the previous record, while in the Bunyip and Latrobe Rivers the discharge was computed to be approximately four times the previous maximum.

Severe flooding was also recorded in the River Murray at Jingellic, the Mitta River at Tallandoon and Tallangatta during October, the Goulburn River at Murchison and Shepparton in December, and in the Macalister River at Glenmaggie Weir in April.

With the completion of the Hume Storage to R.L. 606, the gaugings of the Mitta River at Tallangatta will, under certain conditions, be impaired by the backwater from the storage. A new station has therefore been established on this stream at Tallandson. It is proposed, however, to continue the recording of river heights at Tallangatta for a few years and automatic recording instruments have been installed at both these stations.

The number of gauging stations now in operation is 38.

### 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 sources of supply.

Owing to the exceptionally wet season, irrigation by private diverters has not been so extensive as in former years, which circumstance, together with the adverse financial position of many former diverters, has resulted in the demand for authority to divert water being somewhat lower than in normal years, although a slight increase on the demand last year.

Authorized diversions in force are :-

Yearly permits Flood permit Licences	 	• • • • • • • • • • • • • • • • • • • •		 	$1{,}361$ $1$ $4$
Total	 		• •	 	1,366

### WATER DISTRIBUTION.

The demand for water in irrigation districts during the year under review commenced earlier than usual, especially in the Southern Districts where water deliveries started late in August instead of early in October. However, heavy rainfalls, considerably above the average, which fell during the months of October and November generally interrupted the delivery of water, and, as a result, only about 75 per cent. of the Water Rights apportioned throughout the gravitation systems was used.

The total quantity of water supplied from the Commission's channels to landholders in all irrigation districts was 460,480 acre-feet. The inflow to Waranga Reservoir, the main storage of the Goulburn System, was maintained throughout the year, and, at the close of the season, the volume in the storage amounted to 200,000 acre-feet, practically two-thirds of the total capacity of 333,400 acre-feet. The supply to this system is supplemented from the Eildon Reservoir, having a capacity of 306,000 acre-feet. At the close of the season 178,000 acre-feet of water was available in the latter storage.

In addition, the water supply to the northern sections of the Wimmera–Mallee Domestic and Stock Supply System, west of the Avoca River, was augmented by the delivery of 31,950 acre-feet from the Goulburn and Loddon Systems.

### 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 (for irrigation) and a further distance of 94 miles to Kurdgweechee to supplement the supply from the headworks of the Wimmera-Mallee Gravitation System for domestic and stock purposes, making a total distance of 130 miles from the Loddon River, or 228 miles from the Waranga Reservoir; the Leaghur-Normanville Main Channel, extending from a point 36 miles on the Waranga Western Main Channel Extension northerly for a distance of 6 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. On the eastern side the Main Eastern Channel now extends from the Goulburn Weir to the Nine Mile Creek, a distance of 61 miles. The total length of main channels is therefore 349 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.

The violent storms during December, 1934, caused considerable damage to the stone face pitching of the embankment at the Waranga Reservoir. The whole of the damage was made good by stone filling grouted with cement concrete. During the coming year it is proposed to reconstruct the tram line along the top of the embankment, and to resurface and fill up settlements along the outside face of the bank.

The Goulburn-Waranga Channel was drained out to enable a complete inspection to be made of the channel bed. Apart from several silt bars the channel is in good order. It is proposed to remove these silt bars as soon as possible. A start was made with the reconditioning of the No. 4 flume. This work will be finished in time to complete the filling of the reservoir before the commencement of the 1935–36 irrigation season. The draining of the channel resulted in reed growth being killed by frosts and will materially assist in improving the carrying capacity of the channel. Repairs and extensions were effected to the beaching at the reservoir end of the channel.

General maintenance work has been carried out along the Waranga Western Main Channel.

### NEW STORAGES.

### EILDON RESERVOIR.

The work recommended by the Inquiry Board, to which reference has been made in previous Reports, was continued. The bank was kept to its designed section by adding rockfill where necessary. The observations made from time to time of the corewall and the bank indicate that the embankment is in a reasonably satisfactory condition.

The main outlet works were completed with the exception of the painting of the outlet pipes and the strengthening of the main outlet tower. These latter operations are in hand and good progress has been made.

The control valves were operated at regular intervals under varying heads up to 100 feet. The installation of the six flood control gates in the spillway gap at R.L. 808 was completed, and the gates have been in successful operation for the past nine months.

The drainage system in the downstream section of the bank acted satisfactorily during the year and regular observations have shown consistently satisfactory results. During October, 1934, the reservoir was filled to its original full supply level R.L. 823, giving a storage of 306,000 acre-feet.

# 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.

Following a report by the River Murray Commission regarding the proposed construction of further works, the Right Honorable the Prime Minister of Australia and the Honorables the Premiers of New South Wales, Victoria, and South Australia entered into an Agreement, for the further variation of the River Murray Agreement, to provide for the construction in accordance with the general provisions of the original Agreement of (a) The Upper Murray Storage (Hume Reservoir) to a capacity of approximately 1,250,000 acre feet of water only, (b) A roadway over the Hume Dam, (c) A diversion weir at Yarrawonga, (d) Two weirs on the River Murrumbidgee, and (e) Barrages across the five channels in the vicinity of the mouth of the River Murray. This further amending Agreement also provides for (1) The extension of the construction of the Upper Murray Storage to a capacity of not more than approximately 2,000,000 acre feet of water, if and when so desired by the States of New South Wales, Victoria, and South Australia, (2) The release of the Commonwealth Government from liability to contribute towards the cost of the maintenance, operation, and control of completed liability to contribute towards the cost of the maintenance, operation, and control of completed works and gauging stations, such cost to be borne in equal shares by the three State Contracting Governments, and (3) The deletion from the Agreement of the thirteen weirs and locks on the River Murray, and the nine weirs and locks on the River Murray, the construction of which has not been commenced. The necessary legislation for the ratification of this further amending Agreement was passed by the four Parliaments concerned, and immediate steps were taken by the three Constructing Authorities to carry out the various

works provided for therein.

To date, the South Australian Constructing Authority has completed the Lake Victoria Storage and the nine weirs and locks between Lake Alexandrina and Wentworth, and has

commenced construction on the five barrages in the vicinity of the Murray mouth.

The New South Wales Constructing Authority has completed Weir and Lock No. 10 at Wentworth, and has made good progress on the construction of Weir and Lock No. 15, Euston, and on the preliminary work for the construction of one of the weirs on the River Murrumbidgee near Redbank.

The State Rivers and Water Supply Commission, the Constructing Authority for Victoria, has completed the weirs and locks at Torrumbarry and Mildura, and has commenced the construction of the diversion weir at Yarrawonga.

### HUME RESERVOIR.

During the year the construction of Hume Reservoir was proceeded with by the New South Wales and Victorian Construction of Hume Reservoir was proceeded with by the New South Wales and Victorian Constructing Authorities in accordance with the recent amended Agreement. The New South Wales Constructing Authority completed the concreting of the bridge over the spillway, and the construction of the earthen embankment which will form the approach roadway to this bridge was proceeded with.

In Victoria the main embankment was brought up to its full height R.L. 642 or 132 feet above the river flats. During the year 41,067 cubic yards of earthwork, 2,272 concrete drainage slabs, 2,800 cubic yards of gravel, and 684 concrete pipes were placed in their several positions in the main embankment and 13,400 feet of forcing was creeted around the works.

positions in the main embankment, and 13,400 feet of fencing was erected around the works.

The roadway from the Bonegilla-road to and across the dam to the bridge over the spillway was formed and gravelled, and the erection of the drains and fencing of the roadway across the crest of the dam was commenced.

It is expected that all construction at the dam will be completed by both Constructing

Authorities by December of this year.

Several buildings and a considerable quantity of plant and materials were transferred to Yarrawonga Weir.

All road deviations along the Murray and Mitta arms of the reservoir have been completed.

YARRAWONGA WEIR.

The necessary legislation for the amendment of the River Murray Agreement having been passed by the contracting Governments concerned, a commencement was made early in the financial year to collect the required plant and erect the necessary buildings. sidings, one on each side of the river, were constructed.

A part of the site has been cleared and grubbed and the construction of the first coffer dam has been commenced, 309 piles having been driven and 78 feet of the rock foundations in the river prepared.

In the camp area, nineteen houses, five sets of barracks, a recreation hall, mess room, and necessary outbuildings were erected, as also were single staff quarters, office, store sheds,

and workshops in the works area.

The principal items of plant forwarded to the works were—a 10-ton cableway, a derrick boat, four bin barges, three steam pile hammers, four air compressors, three cranes, workshop machinery, several boilers, winches and pumps, and 811 tons of steel sheet piling.

### WEIRS AND LOCKS, TORRUMBARRY AND MILDURA.

Both these works, which were constructed by the State Rivers and Water Supply Commission, operated satisfactorily during the year, and again proved beneficial 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 Ballarat and Bendigo Sewerage Authorities continued to extend their reticulation sewers to serve the outer areas.

The Warrnambool Sewerage Authority completed the main scheme, and carried out several extensions of its sewers to serve outlying sections of its district.

The Horsham Sewerage Authority is nearing the completion of its works, and a start is being made with the connexion of houses.

The Wangaratta sewerage scheme is well advanced, and houses are now being connected

to the sewers. The Kerang Sewerage Authority completed its plans and specifications for works, and called tenders for their construction.

The Bairnsdale and Benalla Sewerage Authorities are carrying out the detail surveys of their districts.

Sewerage Authorities were constituted at Dandenong, Shepparton, Hamilton, and Castlemaine, and the detail surveys are being carried out in these towns.

Applications for the constitution of Sewerage Authorities at Warragul and Ararat were examined and the schemes generally approved.

### COUNTRY WATER SUPPLIES.

Many important works were carried out by Waterworks Trusts and local governing bodies, of which there are now 114 and 17 respectively.

The Bealiba Waterworks Trust was constituted to take over the works for the town water supply from the Bet Shire Waterworks Trust.

The Benalla Waterworks Trust constructed an elevated concrete tank to be filled for the present by the existing pumping plant on the Broken River, and is investigating the possibility of obtaining future supplies by gravitation.

The Coleraine and Casterton Waterworks Trust is enlarging the pipe main between the

Casterton service basin and the town to ensure a supply to the high levels.

The Kooweerup Trust following the supply of power to the town by the Electricity Commission substituted electric motors for its crude oil pumping engines.

The Korumburra Waterworks Trust constructed a concrete service tank and laid new

mains to ensure an adequate supply to consumers during periods of peak demand.

The Leongatha Waterworks Trust enlarged its main pipe to augment the supply to the town. The Lorne Waterworks Trust completed the construction of a new service basin and pipe mains to serve the high levels of the town.

The Moe and Myrtleford Waterworks Trusts, recently constituted, completed the construction of works for the supply of water to the respective townships.

The Mooroopna and Rochester Waterworks Trusts installed rapid sand filter plants to purify the river water before supplying it to consumers.

The Morwell Waterworks Trust commenced the construction of an additional service

basin to safeguard the town supply.

The Orbost Trust constructed a new service basin to provide a carry over storage to meet peak demands.

The St. Arnaud Borough Waterworks Trust carried out extensive remodelling and

cleaning of the reticulation.

Pipe extensions and other works were carried out at Bairnsdale, Bealiba, Colac, Donald, Gisborne, Horsham, Kerang, Kilmore, Kyabram, Macedon, Maryborough, Murtoa, Romsey, Seymour, Tatura, Tongala, Traralgon, Warragul, Warrnambool, and Wedderburn.

Investigations were made into proposals for town water supplies at Cowes, Drouin, and

Irymple, and for improvements to works at Beechworth.

# WATER SUPPLY STATISTICS.

# SUMMARY RELATING TO WATER SUPPLY IN VICTORIA.

Victoria—Area								56,000,000  acres
Rainfall							10 ir	nches to 80 inches
Total Expenditure	Country	Water S	upply to	30th Jun	e, 1935			$\pounds 26,155,725$
Channels—Length								
Irrigation Sup	pply							4,682  miles
Domestic and	Stock St	ıpply						7,607 miles
${\bf Drainage}$		••			• •			1,527 miles
Total	••	••						13,816 miles
Area of lands in		-			ater for o	lomestic	and	4.4.4.4
stock purpose	•					• •		15,303,000 acres
$\begin{array}{c} \text{This represen} \\ \text{two-fifth} \end{array}$		ne-quarte: agricultura		total area	of the Sta	ate—actu	ıally	
Area commanded	by irriga	tion chan	$_{ m nels}$					2,007,000  acres
Area Irrigated— $1$	934-35	• •			• •,			$494,\!226~\mathrm{acres}$
${\bf Storages-\!$								
Present capac	city							1,908,900 acre feet
In course of o	construct	ion						$458{,}700\mathrm{acre}\mathrm{feet}$
Districts administ	ered by	Commissio	on—					
Irrigated Dis	tricts—W	Vater supp	olied for	cultivatio	n			32 districts
Domestic and	ł Stock I	Districts—	-Water s	upplied to	fill exca	vated sto	orage	00.74
tanks		• •	• •	• •	• •	• •	• •	32 districts
Flood Protec				••		• •		5 districts
Local Water by Com				Sewerage .		_		147 districts
Country Tow	ns—Reti	iculated p	ipe supp	lies for do	mestic us	se—		
By Com	mission							$106\mathrm{towns}$
By Wat	erworks '	$\Gamma$ rusts						110  towns
By Loca	al Govern	ing Bodie	es					$16 \; \mathrm{towns}$
Total Popula	ation in (	Country T	'owns suj	pplied wit	h water			$405,\!500$ persons

### 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 1934-35.

Supplied from Goulburn State Works   Katandra   Sate Works   Katandra   Sate Works   Katandra   Sate Works   Sate part on							ш— I <u>к</u> а	1001		ted (Acres).			
Supplied from Goulburns State Works.		Name	of District			reals.	ncerne grown r Pasture id Hay.	rghum and her Annual odder Crops.	stures, ative and wn.	neyards, chards, and irdens.	low.	scellaneous.	Total.
Katandras							1 0 8	Fet &	S. M. S.	202			Ĕ
North Shepparton	Supplied f	rom Go	oulburn S	tate Wor	$\cdot ks.$				1			Į	
Shepparton						1							4,201
Soufh Shepparton											23		6,019 $12,370$
Rodney											52		3,496
Stanhope										7,658			68,282
Rochester													13,178
Echuea North													19,918
Dingec													5,877
Tragowel Plains   9.962   2.019   5.949   32,337   41   320   1,153   5   5   Deakin   1.953   1,635   297   1,156   1   5   5   5   Boort   3.565   459   1,546   7,710   5   400     13   Totals   Supplied from River Murray State Works.  Leitchville   1,781   3,010   421   14,551   75   202   3,045   23   Commawarra   3,377   1,045   996   8,345   87   705   6,635   23   Commawarra   4,292   1,378   1,412   11,656   770   102   240   19   Newan Hill   4,757   5,071   828   61,18   3,161   717   23   20   Third Lake   400   147   828   1,388						1							3,686
Deakin   1,953													7,628
Boort		ıs						,				· '	51,781
Totals   Supplied from River Murray State Works   (a) Tornumbarry Weir.   754		• • •											5,063 13,685
Supplied from River Murray State Works				• • •									
Leitchville Cohuna 1,781 3,010 421 14,486 21 61 60 Cohuna 3,377 1,045 996 8,345 87 705 6,635 21 Koondrook 4,292 1,378 1,412 11,656 770 102 240 195 Nevan Hill 4,675 5,071 828 6,118 3,161 717 23 20 Third Lake 4,093 147 198 2,467 13 28 28 28 28 29 Tresco 7 33 4 17 23 33 4 17 23 33 4 17 23 33 17 34 17 23 30 Tresco 7 33 34 17 32 38 Tresco 7 33 4 17 32 38 Tresco 7 33 4 4 17 891 2 3 Tresco 7 33 4 4 17 891 2 3 Tresco 7 33 4 4 17 891 2 3 Tresco 7 33 4 4 17 891 2 3 Tresco 7 33 4 4 17 891 2 3 Tresco 7 33 4 4 17 891 2 3 Tresco 7 33 4 4 17 891 2 3 Tresco 7 33 4 4 17 891 2 3 Tresco 7 33 4 4 17 891 2 3 Tresco 7 33 4 4 17 891 2 3 Tresco 3 Tresco 7 33 4 4 17 891 2 3 Tresco 3 Tresco 7 33 4 4 17 891 2 3 Tresco 3 Tresco 7 33 4 4 17 891 2 3 Tresco 3 Tresco 7 33 4 4 17 891 2 3 Tresco 3 Tresco 7 33 4 4 17 891 2 3 Tresco 3 Tresco 7 33 4 4 17 891 2 3 Tresco 3 Tresco 7 33 4 4 17 891 2 3 Tresco 3 Tresco 7 33 4 4 17 891 2 3 Tresco 3 Tresco 7 33 4 4 17 891 2 3 Tresco 3 Tresco 7 33 4 4 17 891 2 3 Tresco 3 Tresco 7 33 4 4 17 891 2 3 Tresco 3 Tresco 7 33 4 4 17 891 2 3 Tresco 1 3 Tresco 7 3 3 4 4 17 891 2 3 Tresco 3 Tresco 7 3 3 4 17 3 4 17 3 3 4 17 3 3 4 17 3 3 4 17 3 3 4 17 3 3 4 17 3 4 4 17 3 3 4 17 3 4 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3						35,000	12,042	10,074	120,000	-17,944	2,701	2,914	266,331
Leitchville					Torks.		l						
Cohuma						754	1.306	195	4.486	21	61		6,823
Gannawarra (3.377   1,045   996   8.345   87   705   6,635   240   198												3,045	23,085
Swan Hill	ates					3,377					705		21,190
Third Lake													19,850
Mystic Park											717	_	20,593 $3,234$
Tresco         7         33         4         17         891          2           Fish Point         464         156         157         2,379 </td <td></td> <td>28</td> <td></td> <td>2,970</td>											28		2,970
Kerang						1	33		17	891	••	2	954
Dry Lake													3,156
Kerang North-West Lakes		• •	• •				725				344		31,439
Lands supplied direct (outside Districts)   361   869   151   3,490   33   93   63   55		 West I		• •			95			_			$\frac{317}{2,506}$
Totals				Districts				1					5,060
Nyah       (b) Direct from River.       99       190        2       2,731        6       3         Red Cliffs        250       150        11,133        112       11         Merbein        33        7,590        74       7	• •		•			22,536	14.008	6.854	79,932	5,510	2.329	10.008	141,177
Nyah   99   190     2   2,731     6   3   3   3       7,590     74   7   7   7   7   7   7   7   7			f D:	••	••								
Red Cliffs		Direct	from Ru	ver.		99	190		2	2,731		6	3,028
Totals								150					11,645
Totals (River Murray State Works)  Supplied from Loddon and Other Northern State Works.  1,782 229 772 3,824 200 6 Coliban 133 534 408 2,152 5,206 505 260 9 Campaspe 338 231 510 1 Western Wimmera 114 468 1,162 16 1 Totals 2,253 1,108 1,648 6,486 6,368 705 276 18  Supplied from Southern State Works.  Bacchus Marsh 4 1,354 154 1,731 186 52 3 Werribee 433 1,382 270 4,018 325 666 1,351 8 Warre Warren 171 17	${f Merbein}$						33	••		7,590		74	7,697
Totals (River Murray State Works)   22,635   14,481   7,004   79,934   26,964   2,329   10,200   163	Totals	3				99	473	150	2	21,454		192	22,370
Supplied from Loddon and Other Northern   State Works.   1,782   229   772   3,824     200     6   6   6   6   6   6   6   6	Totals	. (River	Murray	State W	orks)	22,635	14,481	7,004	79,934	26,964		10,200	163,547
Boort		n Lodd	on and O										
Coliban   133   534   408   2,152   5,206   505   260   9	Doo <del>ut</del>					1 789	990	779	3 294		900		6 90
Campaspe       338       231        510        1,162        16       1         Western Wimmera       2,253       1,108       1,648       6,486       6,368       705       276       18         Supplied from Southern State Works.       4       1,354       154       1,731       186       52        3         Werribee       433       1,382       270       4,018       325       666       1,351       8         Narre Warren		••	• •		• •					5.206			6,807 9,198
Western Wimmera						1	231						1,079
Supplied from Southern State Works.         Bacchus Marsh       4       1,354       154       1,731       186       52        3         Werribee        433       1,382       270       4,018       325       666       1,351       8         Narre Warren             171							114	468		1,162		16	1,760
Bacchus Marsh       4       1,354       154       1,731       186       52        3         Werribee        433       1,382       270       4,018       325       666       1,351       8         Narre Warren         188       4,760        279       94       6         Totals        486       3,563       612       10,509       682       997       1,445       18         Supplied from other Works        475       127        11,002        184       11         Private Diversions—Kerang (outside Districts)       185       33       40       664           127        11,002        184       11         Other Private Diversions—Kerang (outside Districts)       185       33       40       664            127        11,002        184       11         Other Private Diversions throughout the State       2,000       3,500       2,500       2,000       4,000        500       14         Grand Tota	Totals	3				2,253	1,108	1,648	6,486	6,368	705	276	18,844
Bacchus Marsh       4       1,354       154       1,731       186       52        3         Werribee        433       1,382       270       4,018       325       666       1,351       8         Narre Warren         188       4,760        279       94       6         Totals        486       3,563       612       10,509       682       997       1,445       18         Supplied from other Works        475       127        11,002        184       11         Private Diversions—Kerang (outside Districts)       185       33       40       664           127        11,002        184       11         Other Private Diversions—Kerang (outside Districts)       185       33       40       664            127        11,002        184       11         Other Private Diversions throughout the State       2,000       3,500       2,500       2,000       4,000        500       14         Grand Tota	Supplied fr	om Sou	thern Stat	e Works									
Werribee         433       1,382       270       4,018       325       666       1,351       8         Narre Warren											52		3,481
Maffra-Sale        49       827       188       4,760        279       94       6         Totals        486       3,563       612       10,509       682       997       1,445       18         Supplied from other Works.         First Mildura District        475       127        11,002        184       11         Private Diversions—Kerang (outside Districts) Other Private Diversions throughout the State       2,000       3,500       2,500       2,000       4,000        500       14         Totals        2,185       4,008       2,667       2,664       15,002        684       27         Grand Totals 1934-35        63,225       95,702       25,605       220,483       66,960       6,732       15,519       494						433	1,382	270	4,018		666	1,351	8,445
Totals			• •										$\frac{171}{6105}$
Supplied from other Works.         First Mildura District        475       127        11,002       184       11         Private Diversions—Kerang (outside Districts) Other Private Diversions throughout the State Totals       2,000       3,500       2,500       2,000       4,000        500       14         Totals        2,185       4,008       2,667       2,664       15,002        684       27         Grand Totals 1934-35        63,225       95,702       25,605       220,483       66,960       6,732       15,519       494			• •	• •	• •				ļ — —				-6,197
First Mildura District	Totals	3	• •			486	3,563	612	$-\frac{10,509}{}$	682	997	1,445	18,294
Private Diversions—Kerang (outside Districts) 185 2,000 3,500 2,500 2,000 4,000 500 14  Totals				orks.									
Other Private Diversions throughout the State       2,000       3,500       2,500       2,000       4,000        500       14         Totals				.taid. D									11,788
Totals													922 14,500
Grand Totals 1934-35 63,225 95,702 25,605 220,483 66,960 6,732 15,519 494			•	PT-040 0II	Some								
3,500 0,500 0,500 0,500					••								27,210 <b>494,22</b> 6
C 1 M-4-1- 1000 04					••			<u></u>					
					···								435,324
(B) Comparative Statement of the Extent of Irrigation, 1930-31 to 1934-35	(B) <b>(</b>	OMPA	RATIVE	State	MENT	OF THE	EXTEN	T OF IR	RIGATIO	n, 1930-	31 то 1	9 <b>34–3</b> 5	

	Area under Irrigation (Acres).								
Source of Supply.	1930-31.	1931-32.	1932-33,	1933-34.	1934-35.				
Goulburn State Works	242,435	212,284	243,378	217,105	266,331				
River Murray State Works	156,169	136,254	158,223	151,714	163,547				
Loddon and other Northern State Works	12,067	11,120	11,621	14,496	18,844				
Southern State Works	22,662	28,094	31,042	23,687	18,294				
Mildura and Private Diversions	29,765	30,663	30,452	28,322	27,210				
Totals	463,098	418,415	474,716	435,324	494,226				

## PROGRESS IN IRRIGATION DISTRICTS.

The Victorian production of canned apricots, peaches and pears for the 1935 season amounted to approximately 2,463,000 dozen cans or 64 per cent. of the total Australian output. This figure, although somewhat below the record pack of 1933 (2,960,000 dozen cans), represented a gratifying increase of 28 per cent. over that of 1934. Adverse weather conditions and depredations by insect pests in the Goulburn Valley, where the great bulk of the Victorian canning crop is grown, were responsible for the loss of considerable quantities of fruit which would otherwise have found a ready market at satisfactory prices.

As indicating the rapid increase in the export trade with the United Kingdom in canned apricots, peaches and pears, it may be mentioned that shipments from Australia to that market during 1934 amounted to 2,423,000 dozen cans, or 84 per cent. more than those of the previous record year when 1,317,000 dozen cans were shipped. It is gratifying to report also that for the first nine months of 1935 sales in London aggregated more than 2,000,000 dozen cans, and that a ready outlet was available for further substantial quantities had they been available.

Information supplied by the Imperial Economic Committee, London, shows that of the total imports of canned apricots, peaches and pears into the United Kingdom during 1934, Australia supplied 26–2 per cent., other Empire sources contributed 6–76 per cent., whilst foreign countries supplied 67–04 per cent.

The prospects for the absorption of the whole of the coming season's canning fruit crop are satisfactory, as stocks in canners' hands are light.

Owing to adverse seasonal conditions, the Victorian output of dried vine fruits, viz., currants, sultanas and lexias, in 1935 was the smallest which has been harvested for the past three years and amounted to only 37,600 tons as compared with the record of 50,000 tons which was established two years previously. The damage was particularly severe in the Nyah and Woorinen Districts, where the crop was less than half of that for 1934 season. Nevertheless, Victorian irrigation settlements maintained their position as the principal producers of dried vine fruits and contributed 58 per cent. of the total Australian pack of 64,500 tons.

Satisfactory clearances of the 1934 and 1935 seasons' harvests have been effected in the United Kingdom and only small quantities remain to be sold before the coming season's pack is harvested. It is noteworthy that during 1934 Australian sultanas and lexias comprised 41 per cent. of the total imports of these fruits into the United Kingdom whilst currants represented 17 6 per cent. The aggregate imports of both these fruits in 1934 comprised 29 4 per cent. of the British trade.

As indicating the substantial and increasing share of the Canadian dried fruits trade which has been secured by Australian producers in recent years, it may be mentioned that for the period 1928 to 1930, Australia's share of the total Canadian imports averaged only 17–7 per cent., whilst for the three years 1933 to 1935 this proportion had been increased to no less than 69 per cent. As Australian exports to Canada are approximately 14,000 tons per annum, this market provides a valuable outlet for substantial quantities of fruit during periods of high production.

The Commonwealth Citrus Investigation Committee, on which the Commission has representation, has completed the compilation of much of the statistical information required regarding the citrus industry and is directing its attention mainly to the control of marketing conditions. This appears to be a step designed to assist considerably in the development of citrus export—an activity which is faced with considerable difficulties.

During the year, an inter-departmental Committee, consisting of representatives of the Commission, the Department of Agriculture, and the Closer Settlement Commission, investigated the condition of citrus groves in the Bamawm area which were showing indications of unsatisfactory growth. The Committee has concluded its investigation and issued a report giving definite recommendations as to the remedial action necessary to restore the blocks to full productivity.

On account of the bountiful rainfall experienced in many portions of the State during the dairying season, the advantages of irrigation as an aid to increased butter fat yields were not as fully demonstrated during 1934–35 as in a normal year. Nevertheless, in the Standard Dairy Herd Test conducted by the Department of Agriculture herds from irrigated pastures secured seven out of the first eleven leading positions in Section 1 of the Test, whilst prominent positions in other Sections were also gained by herds from irrigation districts.

It is gratifying to report that a considerable improvement has recently taken place in the price of butter fat. The average price paid throughout the State during 1934–35 might be stated as  $10\frac{1}{2}$ d. per pound and this has advanced during the first quarter of 1935–36 to approximately 1s.  $2\frac{1}{2}$ d. with indications of further increases. The position in London remains firm on account of stocks being substantially below normal.

### TOTAL STORAGES IN STATE.

In 1902 the total capacity of storages in the State was 172,000 acre feet. The present capacity is 1,908,900 acre feet. The Hume Reservoir, designed to 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) now has a capacity of 1,250,000 acre feet. When the final stage of this work has been constructed (involving a further approval of the interested State Governments), and the Yarrawonga Weir, Euston Lock Weir, Glenmaggie and Bittern Reservoirs are completed, the combined capacities of Victoria's storages will be 2,367,600 acre feet.

			EXISTING	STORAG	ES.				
Goulburn System—							Ca	pacities in Acr	e Feet.
Goulburn Weir			••					20,700	
Waranga			••					333,400	
Eildon	• •	••	••	• •	• •	• •		306,000	100
Murray-Loddon System-									660,100
Hume Reservoir (part		000 acre	feet-half	share)				625,000	
Torrumbarry (half sh	are of 26,	$000 \ \text{acre}$	feet)					13,000	
Mildura (half share of	f 34,000 a	cre feet)						17,000	
Wentworth (half shar	re of 20,00	0 acre fe	et)			••		10,000	
Kow Swamp			• •		• •	••		40,860	
Laanecoorie				• •	••	• •	• •	6,650	
Kerang North-West I	Lakes		• •	••	••	••	• •	92,000	
Lake Boga	••		• •	• •	• •	••	••	28,000	
Long Lake	• •	••	• •	• •	••	• •	••	3,820	004 800
Wimmera-Mallee System	n								8 <b>36,33</b> 0
Fyans Lake	• •		• •					17,100	
Lake Lonsdale						• •		<b>5</b> 3,300	
Wartook			••		••	• •		23,800	
Taylors Lake		• •	••	• •	• •	•••	• •	30,000	
Pine Lake						••	• •	52,000	
Green Lake	••		••	• •		• •		6,600	
Dock Lake		• •	• •	• •	• •	••	• •	4,800	
Moora			• •			• •	• •	<b>5</b> ,1 <b>0</b> 0	
Lower Wimmera Wei			••		••	••	• •	2,870	
Batyo Catyo (Avon R	Regulator)				• •	• •	• •	5,000	
Lake Whitton					• •	• •	• •	1,300	
Earthen Storages, To	wnship Re	eservoirs,	and Malle	ee Tank	S	••	• •	5,760	
Maffra-Sale System-									207,630
Glenmaggie (part of 1	50.000 ac	re feet)					• •		104,500
Coliban System—	,	,					• •		,
Upper Coliban								25,700	
Malmsbury	• •	••	••	• •	••	••	••	12,300	
Spring Gully	••	••	• •	• •	••	••	••	2,000	
Subsidiary Reservoirs	••	••	••	••	••	••	• •	<b>4,97</b> 0	
<del>-</del>	3	••	• •	••	••	• •	••	1,010	44,970
Werribee System—								01.000	11,010
Pykes Creek	••	••	••	• •	••	••	• •	21,000	
Melton	• •	••	••	••	• •	••	••	17,000	20 000
Bellarine Peninsula Sys	stem—								38,000
Wurdee Boluc			• •		• •	• •	••	10,000	
Service Basins	• •		• •		• •	• •		660	
Mornington Peninsula	System—								1 <b>0,660</b>
Lysterfield	• •							3,400	
Beaconsfield, Frankst	ton, and M	Iorningto	on					1,560	
Service Basins	••							<b>2</b> 00	
Miscellaneous									5,160
Wonthaggi									1,550
				••	••	••	••	••	
Total car	pacity of	existing	Storages	••	••	••	••	••	1,908,900
								-	
ARRIVIOUS AVOID	AF D=:::-	BB6:#F		BW0 - 5		<b>.</b>			lomior:
ADDITIONAL STORA	GE BEING	PROVIDE	D BA MO	KK8 API	PROVED O	K IN GC	JUKSE (	JF CONSTR	UCTION.
Maffra-Sale System-									
Glenmaggie (balance	of 150.000	) acre fee	t)						45,500
Mornington Peninsula		. 4010 100	., ••	••	••	••	•••	••	20,000
יי אויים:	•								1,200
	• •	• •	••	••	••	••	••	••	1,200
Murray System—			<b>D</b> :						
Hume Reservoir, at j	unction w	ith Mitta	Kiver (ha	lf-share	of balance	of 2,0	00,000		
acre feet)	16.3		••	• •	• •	••	• •	••	375,000
Yarrawonga Weir (ha					• •	• •	••	••	25,000
Euston Lock Weir (h	an share	01 24,000	acre feet	)	••	• •	• •	• •	12,000
Total cap	acity of S	torages v	when wor	ks are o	ompleted				2,867,600
						. •	••		

# ADMINISTRATION.

### EXTENSIONS AND EXCISIONS.

The Tragowel Plains Irrigation District was extended to include some 2.050 acres which

had not previously been included in any constituted District.

The North Shepparton Irrigation District was extended by the addition of 23,570 acres, of which 8,920 acres and 14,650 acres were formerly within the Shires of Numurkah and Tungamah Waterworks Trusts Districts respectively, the areas of the Trust Districts being diminished accordingly.

The Maffra and Sale Irrigation Districts were united to form one District known as the Maffra-Sale Irrigation District. Minor alterations were made to the boundaries of the two

Districts before they were united.

The Deakin Irrigation District was diminished by the excision therefrom of some 4,630

acres of lands which were too high to be supplied from the Waranga Western Main Channel.

The boundaries of the Bacchus Marsh Urban Division within the Bacchus Marsh

Irrigation District were amended to include an additional area of 10 acres.

The Tyrrell Waterworks District was extended by the inclusion of 20,700 acres excised from the Walpeup West Waterworks District. The latter District was extended to include 4,020 acres which had not previously been included in any constituted District.

The Waterworks District of the Loddon United Waterworks Trust was extended to

include 320 acres.

The boundaries of the Dimboola and Jung Jung Urban Districts within the Western Wimmera Waterworks District were amended to include additional areas of 20 acres and 3 acres respectively.

NEW AND PROPOSED DISTRICTS.

Reticulation works have been completed for the supply of the Townships of Anglesea, Drysdale, Portarlington, and Torquay within the Bellarine Peninsula Waterworks District, and the Township of Walpeup within the Walpeup Central Waterworks District. These townships have been proclaimed Urban Districts.

STAFF.

The Commission desires to place on record its appreciation of the excellent work of the members of the staff during the year, in which a very large number of unemployment relief works have been supervised in addition to the normal operations in the irrigation, waterworks, and flood protection districts.

The scheme of re-organization of the Commission's staff, which came into operation last

year, was revised during the year.

Following the appointment of Mr. L. R. East, M.C.E., as a Commissioner, Mr. H. G. Strom, B.C.E., District Engineer, Shepparton Centre, was transferred to Head Office as Divisional Engineer, Rivers and Reclamation Division, and, following the retirement of Mr. J. M. Southern, C.E., Mr. E. P. Kendall, B.C.E., was transferred to the position of Divisional Engineer, Goulburn Division, and Mr. F. Rogerson, C.E., was promoted to the position of Divisional Engineer, Loddon Division.

Mr. W. A. Robertson, M.C.E., formerly Divisional Engineer, Investigations and Designs

Division, was appointed to the position of Chief Designing Engineer.

Many transfers of District Officers were made. Mr. H. H. C. Williams, B.M.E.,
District Engineer and Secretary, Pyramid Hill Centre, was transferred to Mildura to take
charge, as Executive Engineer, of the drainage works being carried out by the Commission
for the First Mildura Irrigation Trust. To fill the vacancy thus caused, Mr. J. W. Moore, C.E., was transferred from the Kerang Centre. On the retirement of Mr. J. M. Skene, B.C.E., District Engineer, Mr. H. F. Byham, C.E., was transferred from Boort Centre to the position of District Engineer and Secretary at Swan Hill, and Mr. L. J. Scott from the Maffra Centre

was appointed to the position of District Officer and Secretary at Boort.

Mr. R. G. Knight, M.C.E., who has been Executive Engineer at Eildon Reservoir for a number of years was appointed as Executive Engineer for the Yarrawonga Weir, River Murray.

To fill the position of Accountant rendered vacant by the retirement of Mr. A. D. Webster, Mr. W. Lambert, B.Com., D.P.A., A.F.I.A., of the Head Office Staff was appointed, with Mr. P. J. Descrimes as Assistant Accountant.

Mr. N. S. Chalk, District Secretary and Collector, Birchip, was, on the retirement of Mr. M. H. O'Grady, transferred to the position of Chief Collector at Bendigo, and Mr. H. H. Stanlake from Head Office was appointed District Secretary, Rochester Centre, vice Mr. W. A. Edwards, retired. To fill the vacancies caused by the transfers of Mr. J. R. Moore and Mr. E. S. Stevens to Red Cliffs, Mr. W. Murphy and Mr. R. W. Briggs were appointed to the

positions of District Secretaries at Kerang and Ouyen Centres respectively.

The following officers have retired since the publication of the last Report:—District Secretaries and Collectors, W. A. Edwards and M. H. O'Grady; Executive Engineer, A. W. Johnson, B.C.E.; Estates Officer, A. W. Roberts; District Engineer and Secretary, J. M. Skene, B.C.E.; Divisional Engineer, J. M. Southern, C.E.; Acting Accountant, A. D. Webster; and Water Bailiffs, J. McA. H. Kearney, J. Lyons, J. McClelland, J. McQuinn, F. J. Stock, and W. J. Thomas. The Commission desires to record its appreciation of the long and loyal required of these efficients. services of these officers.

### FIRE INSURANCE.

The Commission has continued its policy of carrying the fire risk on its own buildings. The premiums thus saved now amount to £12,624.

# 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 Tresco Irrigation and Water Supply District and in the Urban Waterworks Districts of Drysdale, Longwarry, and Portarlington, also for a half-year, and for three months in the Urban Districts of Torquay and Anglesea respectively.

The Maffra and Sale Irrigation and Water Supply Districts were amalgamated to form one District.

In 39 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, Cardinia, and Kanyapella Flood Protection Districts, where the charging is on an acreage basis, were similarly divided into 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, 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 Coreena, Dering, Eureka, Hindmarsh, Millewa, Millewa Central, and Walpeup Central Districts at £18 13s. 4d. per 640 acres, and in the Walpeup West Bore District at £5 6s. 8d. per 640 acres.

In 23 Districts the Commission made and levied compulsory irrigation charges, in five Flood Protection Districts a rate or charge was made, and in three Waterworks Trusts Districts taken over by the Commission rates were also made. Details of all rates and charges made are set out hereunder:—

### A .- VALUATIONS, RATES, AND FLOOD PROTECTION CHARGES.

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, 1935.	Period of Rate.	Estimated Number of Persons dwelling in District.
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### IRRIGATION AND WATER SUPPLY DISTRICTS.

	Valuation by		Divisions.		1			
	Commission.	lst.	2nd.	3rd.			İ	
	£	s. d.	s. d.	s. d.				
1. Bacchus Marsh	15,929	1 0			1st July,19	<b>34,</b> to <b>30</b> t	h June,19 <b>3</b> 5	618
2. Boort	14,687	2 0	1 0		,,	,,	,,	571
3. Calivil	14,498	1 0			,,	,,	,,	500
4. Campas <b>p</b> e	8,193	$\begin{array}{cccc} 2 & 0 \end{array}$	1 0	0 6	,,	,,	,,	576
5. Cohuna	19,917	$\begin{array}{ccc} 2 & 0 \end{array}$	1 0	0 6	,,	,,	,,	990
6. Deakin	45,238	1 8	0 10	0 5	,,	,,	,,	1,570
7. DINGEE	3,070	1 0		٠.	,,	,,	,,	200
8. Dry Lake	250		rate ma	de)				14
9. Echuca North	5,171	1 0	0 - 6		1st July,19	34, to 30t	h June,1935	568
10. Fish Point	1,364	1 0			,,	,,	,,	132
11. Gannawarra	17,741	$\begin{vmatrix} 2 & 0 \end{vmatrix}$	1  0	0 - 6	,,	,,	,,	631
12. Katandra	8,070	1 0			,,	,,	,,	475
13. Kerang	16,041	2 4	1 2	0 7	,,	,,	,,	1,170
14. Koondrook	17,753	$\begin{vmatrix} 2 & 0 \end{vmatrix}$	1 0		,,	,,	,,	1,120
15. Leitchville	7,718	2 0	1 0		,,	,,	,,	248
16. Maffra-Sale	48,613	1 0	0 6		٠,	,,	,,	1,979
17. Merbein	31,044	1 0			,,	,,	,,	3,000
18. Mystic Park	3,197	1 0			,,,	,,	,,	112
19. North Shepparton	44,500	1 0	0 6	١	,,	"	,,	1,340

# 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.  Annual Value of Lands during year ended 30th June, 1935.  Annual Value of Lands and Tenements.
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# IRRIGATION AND WATER SUPPLY DISTRICTS—continued.

		Valuation by			Di <b>visi</b> ons		1		1	
		Commission.	1:	lst. 2nd.		2nd. 3rd.				
00.37		£	8.	$\overline{d}$ .	s. d.	s. d.				
20. NYAH		7,221	1	0	٠	۱	1st July,19	34, to 30t	h June,1935	1,000
21. Red Cliffs	٠.	23,749	1	0						2,750
22. Rochester		59,809	1	0	0 6	0 3	,,	,,	"	4,190
23. Rodney		132,847	1	Ŏ	0 6	0  3	,,	,,	,,	
24. Shepparton		34,707	î	ŏ		• •	,,	"	,,	5,365
25. South Shepparton		14,681	i	ŏ	0 6	••	,,	,,	,,	2,450
26. STANHOPE		15,902	1	0	0 0	••	,,	,,	,,	470
27. SWAN HILL	• •	,	1	-	• • •	••	,,	,,	,,	800
28. THIRD LAKE	• •	22,136	1	0	••	••	,,	,,	,,	1,879
29. Tongala	• •	2,184	2	0	• •	• •	,,	,,	,,	160
	• •	27,484	1	0	• •	• •	,,	,,	,, .	2,050
30. TRAGOWEL PLAINS	• •	40,315	1	0	0 6	0 3	,,	,,	,,	1,630
31. Tresco	• •	1,797	2	6			,,	,,	,,	243
32. Werribee	••	18,879	1	0		••	,,	,,	,,	1,308

### WATERWORKS DISTRICTS.

33. Axe Creek	1,659	2 0	١	١ ١	1st July, 19	34. to 30t1	h June,1935	260
34. Baring	2,139	5 0	2 6	1 3			10 1110,1000	110
35. Birchip	38,000	2 4	$\overline{1}$ $\overline{2}$	0 7	,,	,,	,,	2,676
36. Carwarp	8,767	3 10	1 11	0 11 <u>1</u>	,,	,,	,,	670
37. CARWARP CENTRAL	1,100	5 0	2 6	-	,,	,,	,,	200
38. Coreena	9,688	5 0	$\begin{bmatrix} 2 & 6 \\ 2 & 6 \end{bmatrix}$	1 3	,,	,,	"	300
39. Dering	2,361	$\begin{vmatrix} 6 & 0 \\ 6 & 0 \end{vmatrix}$	3 0	1 6	,,	,,	,,	
40. Eureka	1,706	4 0	2 0	1 0	,,	,,	,,	225
41. HARCOURT	8,657	1 6	<b>-</b>	-	,,	,,	,,	120
42. HINDMARSH	8,485	$\begin{vmatrix} \hat{3} & \hat{6} \\ 3 & \hat{6} \end{vmatrix}$	1 9	0 101	,,	,,	,,	600
43. Karkarooc	126,815	$\begin{bmatrix} 0 & 0 \\ 2 & 2 \end{bmatrix}$		$\begin{bmatrix} 0 & 10\frac{1}{2} \\ 0 & 6\frac{1}{2} \end{bmatrix}$	,,	,,	,,	236
44. KERANG N.W. LAKES	7,597	$\begin{bmatrix} 2 & 2 \\ 0 & 6 \end{bmatrix}$		0 02	,,	,,	,,	3,850
45. KIA	6,422	5 0	2 6	1 3	,,	,,	,,	580
46. Long Lake	67,418	2 10	1 5	$\begin{bmatrix} 1 & 3 \\ 0 & 8\frac{1}{2} \end{bmatrix}$	,,	,,	,,	240
47. MILLEWA	28,599	5 0	$\begin{bmatrix} 1 & 3 \\ 2 & 6 \end{bmatrix}$	$\begin{bmatrix} 0 & 0_{\overline{2}} \\ 1 & 3 \end{bmatrix}$	,,	,,	,,	2,300
48. MILLEWA CENTRAL	13,382	7 6	3 9	1 101	,,	**	,,	2,100
49. NARRE WARREN	2,744	1 0	• •	1 102	,,	,,	,,	1,050
50. SEA LAKE	61,208	2 8	1 4	0.8	,,	,,	,,	140
51. Tyntynder	51,878	3 4	1 8	0 10	,,	"	,,	2,437
52. Tyrrell	98,404	$\begin{bmatrix} 3 & 4 \\ 3 & 4 \end{bmatrix}$	$\begin{vmatrix} 1 & 8 \\ 1 & 8 \end{vmatrix}$	0 10	,,	,,	,,	3,000
53. UPPER WEST'N WIMMERA	61.882	1 6	0 9		,,	,,	,,	5,640
54. UPPER WIMMERA UNITED	100,073	$\begin{vmatrix} 1 & 6 \\ 1 & 6 \end{vmatrix}$	$\begin{bmatrix} 0 & 9 \\ 0 & 9 \end{bmatrix}$	· -z	,,	,,	,,	1,699
55. WALPEUP CENTRAL	8,243	$\begin{bmatrix} 1 & 0 \\ 5 & 6 \end{bmatrix}$	$\begin{bmatrix} 0 & 3 \\ 2 & 9 \end{bmatrix}$	2	,,	,,	,,	2,750
56. WALPEUP WEST	55,655	$\begin{bmatrix} 0 & 0 \\ 0 & 9 \end{bmatrix}$	_ ~	$1  4\frac{1}{2}$	,,	,,	,,	300
57. Werribee	8,156	$\begin{bmatrix} 0 & 3 \\ 2 & 0 \end{bmatrix}$	2	٠٠ ا	,,	,,	,,	2,220
58. WESTERN WIMMERA	265,361	$\begin{vmatrix} 2 & 0 \\ 1 & 2 \end{vmatrix}$	0.7	0 31	,,	,,	,,	150
59. WIMMERA UNITED	302,063	$\begin{vmatrix} 1 & 2 \\ 1 & 2 \end{vmatrix}$	0 7	2	,,	,,	,,	8,828
60. Wycheproof	72,537	$\begin{bmatrix} 1 & 2 \\ 2 & 4 \end{bmatrix}$	$\begin{vmatrix} 0 & i \\ 1 & 2 \end{vmatrix}$	$\begin{bmatrix} 0 & 3\frac{1}{2} \\ 0 & 7 \end{bmatrix}$	,,	,,	,,	7,800
61 VELTA	3,033	$\begin{bmatrix} 2 & 4 \\ 3 & 4 \end{bmatrix}$	1 4	0 '	,,	,,	,,	2,964
OI. IEDIA	0,000	10 4		• • •	٠,,	,,	,,	400

### WATERWORKS TRUSTS.

62. Loddon United	 68,993	0 8 0 4 0	2   1st Jan De	uary, 1935 ecember, 19	, to 31st 935	3,300
63. CARRUM	 Valuation. £ 22,790	2nd Division 1 1 3rd Division 1	$\begin{bmatrix} 8 \\ 0 \\ 0 \end{bmatrix}$ "	,,	"	1,500
64. MITIAMO	 915	I	$\begin{bmatrix} 0 \\ 3 \\ 0 \end{bmatrix}$ ,,	,,	,,	190

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

for	ricts Supplied with Wat r Domestic and Ordinar e and for Watering Cattl or other Stock.	y	Annual Value of Lands and Tenements.	Rate in during 30th		$\mathbf{e}$ nde	ł	]	Period of	Rate.	Estimated Number of Persons dwelling ir District.		
		]	Municipal Valuation.	DIVISION	IS A	ND		TRICTS.			•		
65	Anglesea		<b>£</b> 2,509			s. 0	$\frac{d}{7\frac{1}{2}}$	lst April,1	935, to 30	th June,1935	250		
	ANTWERP		216			5	0	1st July, 1	934, to 30	th $June, 1935$	78		
.,	Bacchus Marsh		15,300		• •	1	6	,,	,,	,,	1,768		
68.		ND	0.010			2	6				1,148		
69	OCEAN GROVE BERRIWILLOCK		9,910 $1,361$	• • •	• •	3	6	"	,,	,,	150		
	Berwick		5,786			$\dot{2}$	ĺ	,,,	,,	,,	900		
	Beulah		2,887			3	0	,,	,,	,,	500		
	Birchip		5,926		• •	1	8	,,	,,	,,	1,021 90		
	BITTERN Brim		$656 \\ 1,009$	• • •	• •	$\frac{3}{4}$	$\frac{1}{6}$	,,	,,	,,	180		
-	BRIM BUNYIP		2,961		• •	$\frac{1}{2}$	4	,,	,,	,,	420		
	CARRUM		75,060			1	5	,,	,,	,,	6,355		
77.	CARWARP		207			5	0	,,	,,	,,	45		
	CHILLINGOLLAH		430		• •	5	0	,,	,,	,,	110 120		
	Снікароок		$557 \\ 8,389$	• • •	• •	$rac{5}{2}$	0	,,	,,	,,	900		
-	Cohuna Corop	::	0,309			$\frac{2}{2}$	0	,,	,,	,,	85		
	CRANBOURNE		3,231			$\bar{2}$	0	,,	,,	,,	250		
83.	Crib Point		3,064			3	1	,,	,,	,,	545		
	CULGOA	• •	1,298		• •	3	6	,,	,,	,,	150		
	Dandenong	• •	59,362		• •	1 1	$\frac{3}{11}$	,,	,,	,,	4,500 1,678		
	Dimboola Dingee		$13,496 \\ 463$	• • •	• •	4	0	,,	,,	,,	90		
-	DINGEE DOOEN		169		• • •	$\frac{1}{2}$	ŏ	,,	,,	,,	30		
	DRYSDALE		1,965			2	6	,,	,,	,,	336		
90.	Frankston		53,959		٠.	1	4	,,	,,	,,	5,360		
	GARFIELD	•••	2,649			2	4	,,	,,	,,	300		
	Hastings	• •	1,942	••	• •	$\frac{3}{2}$	0 6	,,	,,	"	460 519		
	HEYFIELD Hicksborough		$\substack{4,582\\471}$			$\frac{2}{3}$	9	,,	,,	,,	100		
	HOPETOUN		5,057			3	0	,,	,,	,,	700		
	JEPARIT		7,589			$^{2}$	2	,,	,,	,,	875		
_	Jung Jung	• • •	898		••	3	0	,,	,,	,,	171		
	Koondrook	• •	3,212	••	• •	$\frac{2}{3}$	$\frac{9}{0}$	,,	1,	,,	490 380		
-	LAKE BOGA LALBERT		$\substack{2,144\\846}$			5	ő	,,	,,	,,	143		
	LASCELLES		678			5	0	,,	,,	,,	130		
	LEITCHVILLE		1,974			3	2	,,	,,	,,	165		
	Lockington		1,802		• •	3	3	,,	,,	,,	240		
	Longwarry		1,594	• • •	• •	$\frac{2}{2}$	9 6	,,	,,	,,	$\frac{210}{300}$		
	Manangatang Marnoo		$\frac{2,000}{1,134}$		••	$\frac{3}{5}$	0	,,	,,	,,	$\frac{300}{250}$		
	MARNOO		898			3	ŏ	,,	"	,,	300		
	MERBEIN		$9,\!424$			$^{2}$	9	,,	,,	,,	1,050		
	MERINGUR		357			5	0	,,	,,	,,	100		
	MINYIP		6,163	•••	• •	2	10	,,	,,	,,	$750 \\ 2,250$		
	MORNINGTON MOUNT MARTHA		33,989 6,069	• • •		$rac{1}{2}$	$\frac{6}{1}$	,,	,,	,,	$\frac{2,250}{200}$		
_	MURRABIT		231			$\bar{5}$	ō	,,	,,	"	35		
	NANDALY		340			5	0	,,,	,,	,,	114		
	NATIMUK		3,244		• •	1	6	,,	,, ·	,,	581		
	NEWSTEAD	• •	2,904	•••	• •	$\frac{3}{2}$	0	,,	,,	,,	400 1,000		
	NORTH WONTHAGGI NULLAWIL		$\substack{3,817\\787}$	• •		5	0	,,	,,	,,	115		
	NYAH		650		• •	$\overset{\circ}{2}$	$\ddot{6}$	,,	,,	,,	170		
	NYAH WEST		3,804			2	9	,,	,,	,,	340		
	OUYEN		9,175	• •		3	0	,,	,,	,,	1,050		
	PAKENHAM		5,241	• • •	• •	$\frac{2}{5}$	$\begin{bmatrix} 1 \\ 0 \end{bmatrix}$	,,	,,	,,	$\frac{700}{156}$		
	Patchewollock Piangil	::	$\frac{434}{1,380}$			3	6	,,	,,	"	260		
	PORTARLINGTON		3,147			$\frac{3}{2}$	6	,,	,,	,,	550		
	PYRAMID HILL		3,504			3	0	,,	,,	,,	500		
	QUAMBATOOK		3,232		• •	$^2$	10	,,	,,	,,	385		
128.	<b>V</b> •	ND	91 597			2	7				3,100		
190	POINT LONSDALE RAINBOW		21,587 $7,906$	•••		$\frac{2}{2}$	2	,,	,,	,,	989		
	RED CLIFFS		12,413		••	<b>2</b>	3	,,	,,	,,	850		
	RUPANYUP		5,668	. <i>.</i>		2	10	,,	,,	,,	650		

A.—Valuations, Rates, and Flood Protection Charges—continued.

Rate in the £1 made during year ended 30th June, 1935.

URBAN DIVISIONS AND DISTRICTS—continued.

Estimated
Number of
Persons
dwelling in
District.

Period of Rate.

Annual Value of Lands and Tenements.

Districts Supplied with Water for Domestic and Ordinary Use and for Watering Cattle or other Stock.

		Urban Di	VIS	ions and I	)ISTR	ICTS-	cor	tinued.			
	I	Municipal Valuation.	-								1
		valuation.			8.	d.					
132. SEA LAKE	•• [	6,916			ຄ		1st	July,19	34, to 30t	h June,1935	600
133. Somerville		1,833			ຄ			,,	,,	,,	250
134. South Frankston	٠.	10,694	i					,,	,,	,,	720
135. Speed	!	321					İ	,,	,,	,,	90
136. SPRING VALE	• •	25,884						,,	,,	,,	2,820
137. Stanhope 138. Tempy	• •	1,075			-		1	,,	,,	,,	300
190 70	• •	$\frac{280}{5,708}$			1		let		35 to 30t	h June,1935	100
139. TORQUAY		2,554			•					h June, 1935	$\frac{820}{350}$
141. WAITCHIE		345			=			•			110
142. WATCHEM		1,733			•			,,	,,	,,	220
143. Werrimull		<b>7</b> 80			=	0		,,	,,	"	135
144. Wonthaggi		32,625	İ		. 1	6	İ	,,	,,	,,	8,000
145. WOOMELANG		1,766						,,	,,	,,	420
146. Woorinen		377						,,	,,	,,	81
147. WYCHEPROOF		7,520						,,	,,	,,	810
148. Yaapeet	• • •	241	1		. 5	0	İ	,,	,,	,,	104
			$\mathbf{c}$	OLIBAN S	YST	EM.					
		£			8	. d.	ſ				
149. Coliban		361,755	0	n Valuatio	ons		1st	t July,	1934,	to 30th	60,000
				up to £300		6		June,			,,,,
				Minimum 20			i				
			F	rom £301							
			120	to £700	1						
				rom £701 or							
			V	acant lands	1	6	1				
		<b>TIT OOT</b>	, T	D OMEOURI	ON	T) TOI	TD T	— —			
				PROTECTION	ON.	D191	RIC	018.			
		Valuation by					!				
		Commission £	١.		c	. d.					
150. Echuca (High-st.)		1,466			. 1		Let	t Inly 10	24 to 20	th June,1935	80
,		Acres.	ĺ.		_		150	oo ary, 13	34, 10 30	m o une, 1950	
151. CARDINIA	• •	36,206	1	st Div. (p. a	ic.) 3	3 0		,,	,,	,,	800
				nd Div. (p. a							
152. Lower Kooweeru	TD.	54,834		rd Div. (p. a st Div. (p. a							0.000
152. LOWER KOOWEERU	Р	94,094	2	nd Div. (p. 8	$\frac{10.7}{100}$	0		,,	"	,,	2,200
				rd Div. (p. a							
153. Kanyapella		14,494		st Div. (p. a							50
				nd Div. (p. a				,,	,,	,,	
154. Loch Garry		40,886		er acre	(	6		,,	,,	,,	200
		D COM	2111	CODY IDE	TO A	TION		IA DOE			
		B.— COM	נטין	LSORY IRF	LIGA	IJON	CH	IARGE	S		
	Are	a of Area	at	Water Rights Apportioned		npulso					
Irrigation and Water Supply District.	Dist	riet Preser		(including	Ch Acr	arge pe e-foot	er of		Per	iod of Charge.	
	in A	in Acr		Extra Rights) in Acre-feet.	Wat	er Rig	ht.				
1. Bacchus Marsh	6.	684 3,3	 59	3,359	25	2s. 6d		1st Oct	ober 105	34, to 30th A	nril 1935
2. Cohuna		516 22,68		22,814		6s.	.				th April, 1935
3. DINGEE		866 4,49		4,494	_	78.		,,		,, ,,	- ,,
4. Echuca North 5. Fish Point		$ \begin{array}{c cccc} 793 & 5,43 \\ 379 & 3,83 \end{array} $		5,441 1,884	<b>'</b>	s. 6d. 8s.	.	,,		,, ,,	,,
6. Gannawarra	54,	453 19,59	<del>)</del> 5	19,669		6s.		,,		,, ,,	,,
7. Koondrook 8. Leitchville		$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		18,788 4,181		6s. $7s.$		,,		,, ,,	,,
8. LEITCHVILLE 9. MAFFRA-SALE		865 20,2		20,164	ĺ	10s.	1	,,		"	,,
10. Merbein	8,	496 7,69	98	19,244		4s. 8d		1st Aug	gus <b>t, 19</b> 3	4, to 30th Ap	oril, 1935
11. Mystic Park	20	249 9,0	24	3,056	Brin. 6	1s.9d. 6s.	p.ac.	1st Ser	atem her	1934 to 30t	h April, 1935
12. NYAH		760 3,10		7,709		20s.				34, to 30th	
19 P G	90	070		97.095	Min. 5	0s. per	aere				•
13. Red Cliffs	30,	.978 11,13	94	27,835	Min. 7	28s. '0s. per	acre	,,		,, ,,	,,
14. Rochester	172,			54,874		6s.			otember,	1934, to 30t	h April, 1935
15. RODNEY	267,			61,569		6s.		,,		,, ,,	,,
16. Shepparton 17. South Shepparton		$\begin{bmatrix} 587 & 21,75 \\ 752 & 18,2 \end{bmatrix}$		$21,722 \\ 4,521$		6s. 8s.		,,		,, ,, ,, ,,	",
18. Stanhope	25,	992 18,6	93	18,215		6s.		,,		" "	,,
19. SWAN HILL 20. THIRD LAKE		431 22,0		22,016		6s.		,,		,, ,,	,,
20. THIRD LAKE 21. TONGALA		$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		$2,706 \\ 28,521$		6s.		,,		,, ,, ,,	,,
22. Tragowel Plains	214,	833   147,7	<b>1</b> 3	31,189		7s.		,,		,, ,,	,,
23. WERRIBEE	9,	960   8,0	32	8,105		12s.		1st Oct	tober, 19	34, to 30th	April, 1935

# FINANCIAL.

### RECEIPTS, DISBURSEMENTS, AND ESTIMATES.

The total receipts for the financial year 1934-35 amounted to £472,239. This is some £11,173 less than the amount collected in 1933-34. In addition to this total, a sum of £81,764 was paid to the Treasury by Waterworks Trusts and Local Water Authorities as interest on loans made for water supply purposes. The collections for the year 1934-35 from arrears and current charges are equivalent to 90 per cent. of the year's rates and charges, and the amount outstanding at 30th June, exclusive of interest, was £724,000. It must be explained, however, that of this no less than £500,000 is owing by Closer Settlers and Crown Lessees, the greater part of the latter class of arrears being due in the newer and far north Mallee Districts. It has been previously explained that the financial position of the Crown Lessees in the Mallee gives no

justification for the expectation of payment of such arrears. The expenditure from the Annual Votes amounted to £301,734 against £237,642 in 1933-34. The increase over that for 1933-34 (£64,092) is due very largely to the great expense which had to be incurred in dealing with sand drift in the Mallee and to increased costs in running water under unfavourable seasonal conditions. In addition to this, the economies which had been practised for some years past had caused some accumulation of maintenance expenditure which could be no longer deferred and had to be undertaken within the financial year under review. The Loan expenditure on the Commission's works for the year was £251,620 as against £311,862 in the previous year, while a sum of £384,221 was expended from Unemployment Relief Funds for carrying out valuable improvements in connexion with water supply works throughout the State. Full details in respect to the expenditure under these headings are furnished in other portions of this Report.

The collections in the Irrigation Districts amounted to £228,347 as against £226,208 received in 1933-34. Although the amount is slightly in advance of the receipts for 1933-34, the collections are still unsatisfactory and this is to be attributed to the low prices which have mostly prevailed during the year for butter-fat, wool, wheat, and other farm and orchard produce.

After debiting the districts with working expenses and interest chargeable, the deficit for the year was £111,677 as against £84,685 in the previous year. The financial position of each

district is set out in detail in other portions of this Report.

In the Coliban District the collections amounted to £45,701 and the loss for the past year With regard to the capital debit to this district, it must be explained that a large proportion is not represented by any tangible assets and, as previously pointed out, the rate in the

district is specially limited by the provisions of the Water Act.

The collections from the Waterworks Districts other than Coliban were £183,031 as against £193,526 received in 1933-34. This division includes a great number of urban districts in which the collections, with very few exceptions, were quite satisfactory. In the rural areas, however, owing to the presence of so many Crown Lessees, the financial position is very unsatisfactory, and in many cases gives no indication of any improvement. After debiting the districts with working expenses and interest charges the deficit for the year was £144,801 as against £70,537 in 1933-34.

There are 117 Waterworks Districts, inclusive of town supplies, and the financial position

of each district is set out in detail in other portions of this Report.

In the five Flood Protection Districts controlled by the Commission under the provisions of the Water Act the receipts were £2,763 as against £5,008 in the previous year. The lower collections were mainly due to the disastrous floods which affected practically all ratepayers in these Districts. After providing for interest, maintenance, and management, the loss for the year amounted to £4,644 as against the loss of £2,339 for 1933–34.

The disbursements from Annual Votes for the next financial year are estimated at £276,167 as against a total expenditure of £301,734 for 1934–35. The receipts are estimated at £500,000.

The Loan Liability of the State for Works of Water Supply at the close of the year was £25,479,680. Of this total £1,266,085 is for Free Headworks declared free by Parliament some 30 years ago; £1,290,615 was written off by Parliament some 36 years ago; £147,046 was advanced to some early-formed Local Authorities and also written off by Parliament; £2,570,129 is represented by River Murray Works; and £6,251,210 by Uncompleted or Unallotted Works, which are not yet revenue producing, details of which are set out separately in the Statement of Loan Liability in the Report. The balance, £13,954,595, 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 Loan amount to £1,038,520, and to this is to be added a sum of £99,809 on account of exchange on London, giving a total of £1,138,329. Of this amount £120,796 is not chargeable to any district, being debitable against Free Headworks and Amounts Written Off, and £114,822 is debitable against River Murray Works, while £279,281 is not at present debitable, being interest on cost of Uncompleted or Unallotted Works which are not yet revenue producing, leaving £623,430 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 £23,803 for non-revenue producing works and services not chargeable to any district) was £251,769, as set out in the Statement on page 41.

### FINANCIAL POSITION.

The Statement of Loan Liability on page 41 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:—

			£	£
Gross deficit on all Country Water Supply expenditure	• •		786,751	
To which certain Amounts are debited for Pensions by Treasury			10,466	
Exchange debited by Treasury on Interest commitments in London			99,809	
Making a total of				897,026
Included in this is interest and exchange on— £ CAPITAL WRITTEN OFF 36 years ago (1,290,615)				
FREE HEADWORKS declared 30 years ago (1,413,131) RIVER MURRAY AGREEMENT WORKS (2,570,129)				
Totalling	•••	• ;	235,618	
	u of ger	ieral		
Writing Off			33,688	
GENERAL SERVICES rendered by Water Commission chargeable to	whole 8	State		
(see page 31 of Report)	• •	• •	23,803	
				$293,\!109$
Deducting the above there remains to be accounted for a further su	m of			603,917
At present there are numerous large works with capacities above pre			ents from	,
which it is impracticable to obtain a full revenue return until d				
them are in a position to carry further allocations of capital.				
others—Eildon and Waranga Reservoirs; Maffra-Sale Irrigation I				
Districts; Kooweerup and Cardinia Flood Protection Districts;				
Domestic and Stock Schemes. The Interest and Exchange on thes	se would	l amou	int to	$279,\!281$
Leaving still to be accounted for a sum of				324,636
The Interest chargeable to Districts controlled by the Commission is				,
at 4 per cent. on nearly all capital, which until recently was suffi				
now charged the Commission by the Treasury inclusive of exchange				
represents approximately a sum of				65,121
I coving often evoluting Interest and Eyehen a en Eyes Handworks			• •	00,121
Leaving after excluding Interest and Exchange on Free Headworks,	Amoun	ts Wri	tten Off,	
River Murray Works, and other items mentioned	Amoun	ts Wri	tten Off,	259,515

The Commission again points out that much of the interest charged cannot be debited to water users. This applies to the amount of £1,290,615, representing Capital Written Off 36 years ago; to the expenditure of £1,413,131 on Free Headworks, which were declared free some 30 years ago; and to the expenditure of £2,570,129 on River Murray Agreement Works.

The reason for the exclusion of interest debited to the Commission in respect to Capital Written Off and Free Headworks is obvious and requires no further elaboration by the

Commission.

With respect to the River Murray Agreement Works it must be again pointed out that these undertakings were agreed upon by the Federal Government and the States of New South Wales, Victoria, and South Australia in order to adjust the difficulties arising in respect to riparian rights and other conflicting claims of the States named. The River Murray Works were thus primarily decided upon in relation to the riparian rights question, and were also laid down so as to provide water for navigation and the generation of electric and other power, as well as for irrigation. In regard to these great national works, the Water Commission is acting as the Constructing Authority for the State of Victoria and is discharging a responsibility which might have been delegated by the Victorian Government to some other Department or Government instrumentality.

The Commission wishes again to point out that many large and expensive works have been constructed on a scale to provide for future developments. This is particularly the case in regard to the Glenmaggie Reservoir at Maffra as well as to a number of other storages and main supply works, and until there have been further extensions to the irrigation systems it is not practicable to allot the portion of the liabilities which is fairly debitable to future development.

Attention is also directed to the recurring loss on the Coliban District. In this case the liability includes capital moneys expended some 50 to 60 years ago which are not represented by any tangible assets, and, as already pointed out, the Commission's rating powers in this District

are specially limited by the provisions of the Water Act.

Heavy expenditure was incurred during the year in respect to exchange for remitting to London interest on moneys borrowed for water supply purposes. Although the amount (£99,809) shows a reduction on last year's figures, it is still an important factor in creating an unfavourable position in regard to water supply finance.

For the incoming year the estimated collections of the Commission are £500,000, while the payments of interest by Waterworks Trusts and Local Bodies are estimated at £84,000. The Commission's Vote expenditure for the year 1935–36 is estimated at £276,167 as against a total

of £301,734 expended in 1934–35.

### RECEIPTS AND DISBURSEMENTS.

STATEMENT of Moneys received and disbursed during the year ended 30th June, 1935.

		exclusive o	ISBURSEMENT f Interest, Reden epreciation Charg	nption, 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	45,701	13,457		13,457	32,244		
Other State Works—				-			
Broken River		55		55		55	
Goulburn	<b>451</b>	2,045		2,045		1,594	
Kow Swamp	<b>453</b>	631	•••	631		178	
Lake Lonsdale	720	571		571	149	••	
Loddon River		87		87		87	
North-West Lakes	623	154		154	469		
Irrigation Districts	228,347	120,644		120,644	107,703		
Waterworks Districts	109,472	118,078		118,078		8,606	
Urban Districts and Divisions	73,559	21,625		21,625	51,934		
Flood Protection Districts	2,763	954		954	1,809	• •	
Other Districts not yet classified Licences, Diversions, Miscellaneous	10,150	12,694	••	12,694	••	2,544	
Not Revenue Producing—	472,239	290,995	•••	290,995	194,308	13,064	
River Gauging, Surveys and Re-							
ports, New Projects	• •	2,766	••	2,766	••	2,766	
Waterworks Trusts Loan and Unemployment Relief	••	1,814	• •	1,814	••	1,814	
Works		6,159		6,159		6,159	
Totals	472,239	301,734		301,734	194,308	23,803	
	Amount ave	ailable to meet ailable to meet	Depreciation Interest, as pe	er page 41 of R	£5 teport £170,0		

### COLIBAN SYSTEM.

Statement of Moneys received and disbursed during the year ended 30th June, 1935; and of Interest charged at the rates of 4 and  $4\frac{1}{2}$  per cent. on Capital Debits.

		Capital		Disburseme	nts and Interest	Charged.	Excess.			
District.		Debit at 30th June, 1935.	Receipts.	Disbursements.	Interest.	Total.	Receipts over Disbursements and Interest.	Disbursements and Interest over Receipts.		
		£	£	£	£	£	£	£		
Coliban		1,631,166	43,460	11,933	65,322	77,255		33,795		
Axe Creek		1,750	<b>36</b> 9	370	70	440		71		
Harcourt		11,040	1,701	1,103	442	1,545	156			
Marong		2,100	171	65	84	149	22			
Totals		1,646,056	45,701	13,471	65,918	79,389	178	33,866		

### FLOOD PROTECTION DISTRICTS.

STATEMENT of Moneys received and disbursed from 1st July, 1920, to 30th June, 1935; and of Interest charged at the rates of 4 and  $4\frac{1}{2}$  per cent. on Capital Debits, and also of Depreciation and Redemption charged as at 30th June, 1935.

### RECEIPTS.

		TODOLL	- 0.		
			1934-35.		Grand
District.	1st July, 1920, to 30th June, 1934.	Charge.	Interest and Miscellaneous.	Total.	Total at 30th June, 1935.
	£	£	£	£	£
1. Cardinia	 19,774	<b>3</b> 51	5	356	20,130
2. Echuca	 1,570	82	9	91	1,661
3. Kanyapella	 2,122	339	• 70	409	2,531
4. Loch Garry	 7,871	598	19	617	8,488
5. Lower Kooweerup	 45,191	1,218	72	1,290	46,481
Totals	 76,528	2,588	175	2,763	79,291

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

	l		DISE	URSEME	NTS.		INT	EREST CHA	RGED.		
District,		1st July,		1934-35.		[ Total	1st July,			(A) DEPRE- CLATION.	Total
ызынеч.		1920, to 30th June, 1934.	Repairs and Mainten- ance.	Manage- ment.	Total.	at 30th June, 1935.	1920, to 30th June, 1934.	1934, to 30th June, 1935.	Total at 30th June, 1935.	(B) RE- DEMP- TION.	at 30th June, 1935,
		£	£	£	£	£	£	£	£		£
1. Cardinia		4,646	176	148	324	4,970	20,128	1,800	21,928		26,898
2. Echuca		1,052	5	21	26	1,078	620	47	667	'	1,745
3. Kanyapella		951	52	38	90	1,041	1,324	160	1,484		2,525
4. Loch Garry		1,614	59	43	102	1,716	4,286	446	4,732	(B) 1,200	7,648
5. Lower Kooweerup		7,728	<b>2</b> 23	189	412	8,140	44,968	4,000	48,968	`´	57,108
Totals		15,991	515	439	954	16,945	71,326	6,453	77,779	(B) 1,200	95,924

# IRRIGATION AND WATER SUPPLY DISTRICTS.

Statement of Moneys received and disbursed from 1st May, 1906, to 30th June, 1935; and of Interest charged at the rates of 4 and  $4\frac{1}{2}$  per cent. on Capital Debits; and also of Depreciation and Redemption charged, as at 30th June, 1935. (Free Headworks excluded.)

### RECEIPTS.

							1934-35.			
Di	strict.			1st May, 1906, to 30th June, 1934.	Rates.	Compulsory Irrigation Charge.	Water Sales.	Interest and Miscel- laneous.	Total.	Grand Total at 30th June, 1935.
1 Decelor March				£	£	£	£	£	£	£
1. Bacchus Marsh 2. Boort	• • •	• •		111,389	805	3,728	837	49	5,419	116,808
	• •			83,699	1,432		3,942	28	5,402	89,101
3. Calivil	• •			13,609	658		2,058	73	2,789	16,398
4. Campaspe	• •			21,221	566		82	5	653	21,874
5. Cohuna				218,589	1,806	6,200	858	263	9,127	227,716
6. Deakin				116,791	2,764		712	102	3,578	120,369
7. Dingee				34,483	158	1,098	69	156	1,481	35,964
8. Echuca North				21,867	285	1,812	142	176	2,415	24,282
9. Fish Point				5,755	61	571	96	144	872	6,627
0. Ganna warra				179,127	1,307	4,898	736	312	7,253	186,380
l. Katandra				6,275	170	1,000	1,203	55	1,428	7,703
2. Kerang				143,400	1,634		3,450	81	5,168	148,568
3. Koondrook				145,928	1,016	3,208	382	362	4.968	150,896
1. Leitchville				19,053 ·	856	1.374	637	103	2,970	22,023
5. Maffra–Sale				61,040	2,362	7,164	577	652	10,755	71,795
6. Merbein				420,884	1,534	25,495	364	1,146	28,539	449,423
7. Mystic Park				11,417	110	594	180	71	955	12,372
8. North Shepparton				17,871	1,672		1.529	61	3,265	$\frac{12,372}{21,136}$
O. Nyah				130,058	252	5,329	1,328	511	6,236	136,294
O. Red Cliffs				346,897	1,044	31.255	1,203	574	34,079	$\frac{130,299}{380,976}$
l. Rochester		•••		318,472	2,344	11,902	1,203 $1,943$	839	17,028	
2. Rodney				611,824	6,047	16,396	$\frac{1,945}{2,289}$	613	25,345	335,500
3. Shepparton		•••		146,660	1,475	5,018	2,289	417	7,190	637,169
L. South Shepparton				20,338	513	1,341	$\frac{280}{72}$			153,850
Stanhope				67,851	$\frac{513}{708}$	1,878		146	2,072	22,410
6. Swan Hill				165,384	819		336	307	3,229	71,080
7. Third Lake				8,182	161	5,247	1,558	270	7,894	173,278
8. Tongala			• •	138,215		711	17	175	1,064	9,246
. Tragowel Plains			• • •	280,931	1,199	4,525	490	374	6,588	144,803
0. Tresco			• •		1,679	8,589	912	553	11,733	292,664
1. Werribee		• • •		24,114	185	500	850	6	1,541	25,655
	• • •	• •	• • •	105,215	878	4,457	1,361	615	7,311	112,526
Totals				3,996,539	36,500	153,290	29.312	9,245	228,347	4,224,886

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

	Ì		DIS	BURSEM	ENTS.		INTEL	REST CHA	RGED.	O.N.	
	6, to		1934-	-35.			. <b>t</b> 0	3.5		[AT]	ນກໍ
District.	1st May, 1906, to 30th June, 1934.	Repairs and Maintenance.	Distribution of Water.	Manage- ment.	Total.	Total at 30th June, 1935.	1st May, 1906.to 30th June, 1934.	1st July, 1934, to 50th June, 1935.	Total at 30th June, 1935.	(A) DEPRECIATION. (B) REDEMPTION.	Grand Total at 30th June, 1935.
1. Decelor 35. 1	£	£	£	£	£	£	£	£	£	£	£
1. Baechus Marsh 2. Boort	25,416	232	824	305	1,361	26,777	98,490	6,029	104,519	~	131,296
0 C-11-11	40,535	680	933	460	2,073	42,608	43,160	4,002	47,162	(B)1,400	91,170
3. Calivil	6,197	309	538	79	926	7,123	21,194	5,141	26,335	(11)1,100	33,458
4. Campaspe	12,704	60	206	64	330	13,034	12,045	493	12,538	``	25,572
5. Cohuna	121,621	1,374	1,435	350	3,159	124,780	99,014	6,249	105,263	(A)9,010	239,053
	43,844	262	441	160	863	44,707	78,904	3,311	82,215		126,922
7. Dingee 8. Echuca North	17,952	224	675	60	959	18,911	23,198	1,226	24,424	l ::	43,335
0 EV.1 D. !4	9,210	76	541	103	720	9,930	15,890	1,638	17,528	l	27,458
10 0	4,496	130	253	45	428	4,924	4,550	621	5,171		10,095
11 TZ / 1	91,953	1,188	1,234	300	2,722	94,675	87,238	5,975	93,213	(A)5.694	193,582
10 TF	3,367	243	566	79	888	4,255	20,451	5,456	25,907	. , - ,	30,162
12. Kerang	77,598	673	1,629	357	2,659	80,257	67,938	4,745	72,683 ∫		156,090
13. Koondrook	84,058	755	1,109	164	2.028	00,000	100 745	H 999	11007	(A) 450	J
14. Leitchville	7,601	729	761	186	1,676	86,086	108,745	7,333	116,078	(A)4,501	206,665
15. Maffra-Sale	23,615	2,162	2,458	773	5,393	9,277	11,814	1,684	13,498		22,775
16. Merbein	301,874	2,377	13,345	628	16,350	29,008	39,620	7,950	47,570		76,578
17. Mystic Park	8,322	211	335	77	623	318,224	129,977	8,421	138,398	(a)20,353	
18. North Shepparton	5,033	350	1,385	152		8,945	6,611	692	7,303		16,248
19. Nyah	98,391	$\frac{330}{472}$	4,477	677	1,887	6,920	35,753	8,594	44,347		51,267
20. Red Cliffs	200,660	2,586	22,260	900	5,626	104,017	60,266	4,215	64,481	(A)5,272	173,770
21. Rochester	134,898	1,881	5,593	871	25,746	226,406	144,508	18,200	162,708	(A)24,426	
22. Rodney	247,491	3,847	$\frac{5,595}{7,913}$		8,345	143,243	230,016	16,191	246,207		389,450
23. Shepparton	52,843	1,006	1,913	1,180	12,940	260,431	425,598	27,674	453,272	1	713,703
24. South Shepparton	4,093	118	$\frac{1,312}{270}$	754 53	3,672	56,515	136,100	10,078	146,178		202,693
25. Stanhope	32,064	735	1,683		441	4,534	18,127	2,745	20,872		25,406
26. Swan Hill	86,928	1,889		213	2,631	34,695	52,816	5,115	57,931		92,626
27. Third Lake	2,480	181	1,474 $222$	522	3,885	90,813	84,468	6,730	91,198	(A)4,768	186,779
28. Tongala	59,203	1,509	1,790	44	2 700	2,927	8,697	1,004	9,701		12,628
29. Tragowel Plains	109,914	1,408	2,962	481	3,780	62,983	129,018	8,589	137,607		200,590
30, Tresco	35,002	313		672	5,042	114,956	205,225	14,123	219,348		334,304
31. Werribee	18,453	$\begin{array}{c} 313 \\ 256 \end{array}$	1,550	138	2,001	37,003	37,913	3,654	41,567		78,570
		200	479	308	1,043	19,496	95,288	9,256	104,544		124,040
Totals	1,967,816	28,236	81,253	11,155	120,644	2,088,460	2,532,632	207,134	2,739,766	78,574	4,906,800

WATERWORKS DISTRICTS.

STATEMENT of Moneys received and disbursed from 1st May, 1906, to 30th June, 1935; and of Interest charged at the rates of 4 and 4½ per cent. on Capital Debits; and also of Depreciation and Redemption charged, as at 30th June, 1935. (Free Headworks excluded.)

RECEIPTS.

	 			1934	<b>1-35</b> .		
District.		1st May, 1906, to 30th June, 1934.	Rates.	Water Sales.	Interest and Miscel- laneous.	Total.	Grand Total at 30th June, 1935.
	 	€	£	£	£	£	£
1. Bellarine Peninsula	 	6,995	4,017	253	26	4,296	11,291
2. Birchip	 	1	3,984	149	252	4,385	1)
3. Sea Lake	 	1 -95 000	6,034	94	673	6,801	564,475
4. Tvrrell	 	535,988	8,213	67	1,498	9,778	1 504,475
<ol> <li>Övcheproof</li> </ol>	 	Ì	7,106	27	390	7,523	IJ
6. Carwarp	 	13,092	570		149	719	13,811
7. Carwarp Central	 	1,181			25	25	1,206
8. Dering	 	4.382	467		48	515	4,897
9. Eureka	 	1,720	217		76	293	2,013
10. Hindmarsh	 	6,821	1,228		71	1,299	8,120
11. Karkarooc	 	223.486	10,672		143	10,815	234,301
12. Kerang North-West Lakes	 	3,361	218		20	238	3,599
13. Kia	 	2.420	402		129	531	2,951
14. Long Lake	 	177,872	6,213		276	6,489	184,361
15. Millewa	 	13,053	702	195	261	1,158	14,211
16. Millewa Central	 	7,567	250		108	358	7,925
17. Mornington Peninsula	 	52,133	1 )		57	57	52,190
18. Narre Warren	 	2,096	82	137	32	251	2,347
19. Tyntynder	 	99,276	3,296		522	3,818	103,094
20. Upper Western Wimmera	 	83,093	4,441		177	4,618	87,711
21. Upper Wimmera United	 	136,959	7,177		188	7,365	144,324
22. Walpeup Central	 	2,505	784		107	891	3,396
23. Walpeup West	 	29,527	1,169	25	139	1,333	30,860
24. Werribee	 	10,077	579		11	590	10,667
25. Western Wimmera	 	290,082	12,850	3,826	449	17,125	307,207
26. Wimmera United	 	327,192	16,296	987	612	17,895	345,087
27. Yelta	 	5,636	218	63	25	306	5,942
Totals	 	2,036,514	97,185	5,823	6,464	109,472	2,145,986

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

		1	DISBURS	SEMES	TS.		INTER	EST CHA	RGED.		ز.		
	9 .:		1934	-35.			:				AT10. 308.		ı.
District.	1st May, 1906, to 30th June, 1934.	Repairs and Maintenance.	Distribution of Water.	Management	Total.	Total at 30th June, 1935,	1st May, 1906, to 30th June, 1934.	1st July, 1934, to 30th June, 1935.	Total at 30th June, 1935.		(a) depreciation (b) redemption.		Grand Total at 26th June, 193
1. Bellarine Peninsula 2. Birchip; 3. Sea Lake; 4. Tyrrell; 5. Wyche-proof	£ 104 284.269	$\begin{array}{c} £ \\ 509 \\ 27,218 \end{array}$	£ 232 7,826	£ 201 904	£ 942 35,948	£ 1,046 320,217	£ 6,292 373,247	£ 6,371 33,761	£ 12,663 407,008		£		£ 13,709 727,225
6. Carwarp 7. Carwarp Central 8. Dering 9. Eureka 10. Hindmarsh 11. Karkarooc 12. Kerang N.W. Lakes 13. Kla 14. Long Lake	29,230 1,446 2,312 2,857 1,998 88,413 2,164 2,625 104,483	2,575 5 253 323 441 7,937 60 69 3,041	3,659 100 75 138 55 1,202 102 154 1,935	67 28 27 19 30 399 28 25 195	6,301 133 355 480 526 9,538 190 248 5,171	35,531 1,579 2,667 3,337 2,524 97,951 2,354 2,873 109,654	16,478 980 3,652 1,468 4,877 159,211 1,645 1,812 87,348	1,637 94 410 223 841 11,322 82 581 4,874	1,074 4,062 1,691 5,718 170,533 1,727 2,393	(A) (A) (A)	586 25  700  8,305	-	54,232 2,678 6,729 5,028 8,942 268,484 4,081 5,266 210,181
15. Millewa 16. Millewa Central 17. Mornington Peninsula 18. Narre Warren 19. Tyntynder 20. Upper Western Wimmera	37,943 9,077 7,267 290 69,993 30,407	5,100 1,516 510 14 7,697 1,433	10,515 6,954 210 7 1,637 841	$     \begin{array}{r}       380 \\       167 \\       119 \\       10 \\       256 \\       104     \end{array} $	15,995 8,637 839 31 9,590 2,378	53,938 17,714 8,106 321 79,583 32,785	16,110 12,000 42,710 2,779 96,151 46,182	5,450 $4,000$ $2,720$ $412$ $11,779$ $3,863$	21,560 $16,000$ $45,430$ $3,191$ $107,930$ $50,045$	(A)	  606 1,500	}	75,498 33,714 53,536 3,512 187,513 84,936
21. Upper Winmera United 22. Walpeup Central 23. Walpeup West 24. Werribee 25. Western Wimmera 26. Wimmera United 27. Yelta	41,465 1.670 21,260 2,965 122,196 102,010 4,923	1,769 168 796 103 5,782 4,114 217	634 820 114 3,373 1,474 294	148 39 83 43 415 345 45	2,551 1,027 879 260 9,570 5,933 556	44,016 2,697 22,139 3,225 131,766 107,943 5,479	92,268 3,471 16,575 8,965 153,530 209,291 3,035	5,797 1,288 1,461 598 15,450 13,613 247	4,759 $18,036$ $9,563$	(A) (A) (B) (B)	2,390 1,200 2,422 5,400 5,310	}	144,471 7,456 41,375 12,788 308,568 336,157 8,761
Totals	971,367	71,650	42,351	4,077	118,078	1,089,445	1,360,077	126,874	1,486,951	<u></u>	28,444		2,604,840

DISTRICTS HELD IN TRUST BY THE COMMISSION.
STATEMENT OF RECEIPTS AND DISBURSEMENTS FOR THE YEAR ENDED 31ST DECEMBER, 1934.

			 	RECEIP	TS.				
		_		Bank Balance,		1:	34.		Grand Total
	Name of '	frust.		December, 1933.	Rates.	Water Sales.	Interest and Miscellaneous	Total.	for Year 1934.
Carrum Loddon United Loddon United	 (Mitiamo,	 Urban)	 	Dr. 613 Dr. 1,070 Dr. 112	£ 1,572 2,234 221	£  10 273	£ 286 84 7	£ 1,858 2,328 501	1,245 1,258 389
	Totals		 	Dr. 1,795	4,027	283	377	4,687	2,892

DISBURSEMENTS		
		i
1		
	Canital Debit	

	Capital Debit				Grand	Bank Balance		
Name of Trust.	31st December, 1934.	Maintenance and Water Distribution.	Manage- ment.	Total.	Interest.	(A) Depreciation (B) Redemption.	Total for Year 1934.	carried forward 1st January, 1935.
Carrum Loddon United Loddon United (Mitiamo, Urban)	£ 25,400 4,161 4,907	$\begin{array}{c} \pounds \\ 667 \\ 1,064 \\ 90 \end{array}$	£ 160 251 17	£ 827 1,315 107	$ \begin{array}{c} £\\ 1,098\\ 432\\ 317\\ \end{array} $	(B) 298 (B) 545 (A) 28 (B) 32	£ 2,223 2,292 484	Dr. 978 Dr. 1,034 Dr. 95
Totals	34,468	1,821	428	2,249	1,847	903	4,999	2,107

### URBAN DISTRICTS

Statement of Moneys received and disbursed from 1st May, 1906, to 30th June, and also of Depreciation and Redemption charged, Receipts.

							1934	<b>-3</b> 5.		
	District er I	Nvision.			1st May, 1906, to 30th June, 1934.	Rates	Water Sales.	Interest and Miscel- laneous.	Total.	Grand Total at 30th June, 1935.
					£	£	£	£	£	£
	Anglesea	••	••			45 60		20	$\frac{65}{76}$	65 421
	Antwerp Bacchus Marsh			• • •	$\begin{array}{c} 345 \\ 33,692 \end{array}$	1,212	483	13	1,708	35,400
4.		d Ocean			1,840	1,478	114	27	1,619	3,459
5.	Berriwillock				4,353	244	12	30	286	4,639
6.	Berwick			• •	6,337	688	113	44	845	7,182
	Beulah Birchip		••		11,237 $23,382$	398 503	121 330	37 80	$\begin{array}{c} 556 \\ 913 \end{array}$	$11,793 \\ 24,295$
	Bittern		::		1,435	101	50	3	154	1,589
	Brim	••	••	• •	2,958	$\frac{242}{296}$	17	23	$\frac{282}{320}$	3,240 1,556
	Bunyip Carrum				1,236 $73,688$	6.060	15 532	551	$\frac{320}{7,143}$	80,831
	Carwarp	••			270	22			22	292
	Chillingollah	••	••	• •	1,123	66	45	13	124	1,247
	Chinkapook Cohuna		••	• •	$1,276 \\ 15,336$	$\frac{169}{870}$		5 67	$\substack{174\\1,031}$	$1,450 \\ 16,367$
	Corop				718	21		i	22	740
18.	Cranbourne				6,895	302	78	9	389	7,284
	Crib Point	• •	• •	• •	1,910 $4,704$	$\frac{524}{227}$	$\frac{30}{123}$	15 16	$\frac{569}{366}$	2,479 5,070
	Culgoa Dandenong				58,742	4,016	559	289	4,864	63,606
22.	Dimboola				41,842	1,239	592	127	1,958	43,800
	Dingee	••	• •	• •	798	74 27		9	$\frac{83}{38}$	881
	Dooen Drysdale				155	288	"	22	310	310
	Frankston				46,830	3,939	1,020	120	5,079	51,909
	Garfield	• •	• •	• •	946	$\frac{325}{359}$	17	$\frac{15}{9}$	$\frac{344}{385}$	$\frac{1,290}{2,788}$
	Hastings Hevfield				2,403 1,632	565		7	555 572	2,786
	Hicksborough				331	82		6	88	419
	Hopetoun	••	••	• •	14,437	766	157	61	984	15,421 17,435
	Jeparit Jung Jung	••	••	• •	$16,427 \\ 2,377$	$\begin{array}{c} 814 \\ 135 \end{array}$	154 24	40	$\frac{1,008}{167}$	2,544
	Koondrook			• • •	8,551	396	20	10	426	8,977
	Lake Boga		••		7,391	406	32	43	481	7,872
	Lalbert Lascelles	• •	• •	• •	3,317	244 294	83 22	$\begin{array}{c} 6 \\ 25 \end{array}$	$\frac{333}{341}$	3,650 3,224
	Leitchville	••	••		$2,883 \\ 3,417$	$\frac{254}{256}$	23	17	296	3,713
	Lockington	••			2,637	261	5	21	287	2,924
	Longwarry	• •	• •	• •		174	355	10	539	539
	Manangatang Marnoo	••	••		5,238 2,984	488 282	91 61	30	$\frac{609}{346}$	5,847 3,330
	Merbein				16,110	1,328	171	110	1,609	17,719
44.	Meringur		••		802	179	2	7	188	990
	Minyip Mornington	• •	••	• •	$17,039 \ 32,795$	$\frac{840}{2,738}$	79 473	$\frac{75}{209}$	$\frac{994}{3,420}$	18,033 36,215
	Mount Martha				3,829	671	57	18	746	4,575
	Murrabit		••		315	45		1	46	361
	Nandaly	• •	••	• •	$1,180 \\ 12,188$	$\frac{106}{251}$	155	$\begin{array}{c c} 9 \\ 62 \end{array}$	$\begin{array}{c} 115 \\ 468 \end{array}$	1,295 12,656
	Newstead	• •	• •		298	499	24	25	548	846
52.	North Wonthaggi				2,773	372		13	385	3,158
	Nullawil	• •	••	••	1,737 1,467	189 86	16	$\frac{21}{2}$	$\frac{226}{91}$	1,963 1,558
	Nyah Nyah West		::	• • •	7,033	5 <b>6</b> 9	43	10	622	7,655
56.	Ouyen	••			25,446	1,359	604	147	2,110	27,556
	Pakenham Patchewollock	• •	••	• •	6,561 1,003	557 197	411 38	$\frac{11}{30}$	$979 \\ 265$	7,540 1,268
	Piangil			••	4,765	308	158	10	476	5,241
60.	Portarlington			••		470	<b></b>	44	514	514
	Pyramid Hill Quambatook	••	••	••	4,757 $192$	602 606	49 2	$\begin{array}{c c} 17 \\ 42 \end{array}$	668 650	5,425 842
	Queenscliff and Po	oint Lone	dale	• • •	5,134	2,959	317	62	3,338	8,472
	-					0.40	100	00	1 010	00.051
	Rainbow Red Cliffs	• •	••	••	21,135 14,473	942 1,618	185 261	89	1,216 1,993	22,351 16,466
	Rupanyup		• •	• • •	14,883	850	51	50	951	15,834
67.	Sea Lake				17,863	767	171	108	1,046	18,909
	Somerville	••	• •	• •	2,998	234	84 297	$\begin{array}{c c}4\\16\end{array}$	322	3,320 16,637
	South Frankston Speed			• • •	15,053 1,173	1,271 147	15	25	1,584 $187$	1,360
71.	Spring Vale				19,855	2,277	363	108	2,748	22,603
	Stanhope	••	• •	• •	1,809	239	29	$\begin{vmatrix} 4\\22 \end{vmatrix}$	$\frac{243}{207}$	2,052 1,157
13. 74	Tempy Torquay	• •	• •	• •	950	$\frac{156}{328}$	29	36	207 364	364
75.	Ultima			• • •	8,516	442	35	29	506	9,022
76.	Waitchie				673	36	5	18	59	732
	Watchem Werrimull	••	• •	••	6,309 2,188	$\frac{316}{352}$	52 15	57 23	$\frac{425}{390}$	6,734 $2,578$
	Wonthaggi				91,383	2,324	2,141	54 54	$\frac{350}{4,519}$	95,902
80.	Woomelang				14,706	369	222	51	642	15,348
	Wyshanna f	••	• •		963	145	104	3	148	1,111
	Wycheproof Yaapeet				17,643 576	840 173	194	107	$\frac{1,141}{208}$	18,784 784
,,,,	zaapeet	••		••						- ]
	Totals				814,646	57,715	12,123	3.721	73,559	888,205

### AND DIVISIONS

1935; and of Interest charged, at the rates of 4 and  $4\frac{1}{2}$  per cent. on Capital Debits; as at 30th June, 1935. (Free Headworks excluded).

DISBURSEMENTS, AND INTEREST, DEPRECIATION, AND REDEMPTION CHARGED.

DISBURSEMEN	115, AI	ואו עו	LEKEST	, DEP	RECIA.		I I I	SDEMI	TION C	I	<u>-</u>
İ			DISBU	JRSEME	NTS.		INTER	EST CHA	RGED.	N.	
	호 <del>.</del>		1934-3	5.			54·	5. to		DEPRECIATION REDEMPTION.	r,
District or Division.	1st May, 1906, to 30th June, 1934.	e e	E	ent.		<b>5</b>	1st May, 1996, to 30th June, 1934.	1st July, 1934, to 30th June, 1935,	€	EEC!	Grand Total at 30th June, 1935.
	1y, 1 une.	rs an	outic ter.	teme		at 30th 1935.	ty, 1	ly, 1	at 30th 1935.	EPR EDE	Tot: une,
	t Ma	Repairs and Maintenance.	Distribution of Water.	Management.	Total.	Tota! June,	t Ms	it Ju ith J	Total June,		rand Oth J
	30	A 2	<u> </u>	Z							
1. Anglesea	£	£ 40	£ 18	£	£ 75	£ 75	£	£ 620	£ 620	£	£ 695
2. Antwerp	123	1	12	7	20	143	175	54	229	(a) 18	390
<ol> <li>Bacchus Marsh</li> <li>Barwon Heads and</li> </ol>	7,673 $224$	$\begin{array}{c} 36 \\ 174 \end{array}$	168 79	$\begin{array}{c} 121 \\ 76 \end{array}$	$\frac{325}{329}$	7,998 $553$	25,695 1,700	1,525 $1,227$	$27,220 \\ 2,927$	$(a)$ $686$ $\cdots$	35,904 3,480
Ocean Grove	2,117	36	24	26	86	2,203	2,302	222	2,524	(a) 113	4,840
5. Berriwillock 6. Berwick	874	102	42	24	168	1,042	5,409	665	6,074	`	7,116
7. Beulah 8. Birchip	$\frac{4,820}{10,194}$	$\begin{array}{c} 31 \\ 54 \end{array}$	$\begin{array}{c} 314 \\ 278 \end{array}$	29 67	$\begin{array}{c} 374 \\ 399 \end{array}$	5,194 10,593	6,034 $11,944$	$\begin{array}{c} 395 \\ 745 \end{array}$	6,429 12,689	(a) 158 $(a, b)1,195$	11,781 $24,477$
9. Bittern	182	15	$\frac{7}{32}$	$\begin{array}{c} 11 \\ 21 \end{array}$	$\frac{33}{92}$	215 764	1,339 1,895	$\frac{150}{216}$	1,489 2,111	(a) 224	1,704 $3,099$
10. Brim 11. Bunyip	672 198	39 60	25	16	101	299	1,233	364	1,597	(a) 224	1,896
12. Carrum 13. Carwarp	11,793 $125$	1,015	418	$\begin{array}{c c} 378 \\ 15 \end{array}$	$\substack{1,811\\25}$	$13,604 \\ 150$	$\begin{array}{c c} 64,240 \\ 152 \end{array}$	$\substack{6,500 \\ 25}$	$70,740 \\ 177$	(a) 174	84,344 501
14. Chillingollah	487	3	21	16 19	40	527	1,145	149	1,294	(a) 185	2,006
15. Chinkapook 16. Cohuna	265 4,191	75	139	69	$\begin{array}{c} 81 \\ 283 \end{array}$	$346 \\ 4,474$	748 10,199	$\frac{153}{713}$	901 10,912	(a) 318 (a, b) 894	1,565 $16,280$
17. Corop 18. Cranbourne	353 959	$\frac{2^{+}}{56^{+}}$	$\frac{5}{23}$	6 65	$\begin{array}{c} 13 \\ 144 \end{array}$	366 1,103	$\frac{363}{6,520}$	$\begin{array}{c} 14 \\ 224 \end{array}$	$\frac{377}{6,744}$	(a) 60	$803 \\ 7,847$
19. Crib Point	313	87	36	24	147	460	1,352	427	1,779	(a) 290	2,529
20. Culgoa	1,793 9,394	$\begin{array}{c} 26 \\ 684 \end{array}$	21 280	$\begin{array}{c c}26\\262\end{array}$	$\substack{73\\1,226}$	1,866 $10,620$	2,892 $49,255$	269 4,650	$3,161 \\ 53,905$	(a) 102 (a) 500	5,129 $65,025$
22. Dimboola 23. Dingee	$23,520 \\ 302$	291 40	$\begin{array}{c} 282 \\ 16 \end{array}$	99	$\begin{array}{c} 672 \\ 63 \end{array}$	$24,192 \\ 365$	$\begin{array}{c} 14,831 \\ 525 \end{array}$	$\substack{1,411\\63}$	$16,242 \\ 588$	(a, b)3,026 (a) 126	$\frac{43,460}{1,079}$
24. Dooen	93	1	12	7	20	113	140	28	168	(a) 15	296
25. Drysdale 26. Frankston	6,975	35 650	$\frac{16}{267}$	$\frac{18}{175}$	69 1,092	$\frac{69}{8,067}$	39,823	393 4,250	393 44,073	::	$462 \\ 52,140$
27. Garfield 28. Hastings	184 409	52 54	$\frac{22}{23}$	16 16	90 93	$\frac{274}{502}$	1,024 2,016	$\frac{359}{277}$	1,383 2,293		$1,657 \\ 2,795$
29. Heyfield	638	80	116	34	230	868	1,074	286	1,360	(a) $70$	2,298
30. Hicksborough 31. Hopetoun	172°	$\frac{6}{81}$	$\begin{array}{c} 16 \\ 652 \end{array}$	10 <sup>+</sup> 29	$\begin{array}{c} 32 \\ 762 \end{array}$	204 8,538	6,976	$\begin{array}{c} 50 \\ 664 \end{array}$	249 7,640	(a) 50 $(a, b)$ 252	503 16,430
32. Jeparit	3,096 1,408	56 4	$\frac{37}{64}$ :	$\frac{43}{12}$	$\begin{array}{c} 136 \\ 80 \end{array}$	3,232 1,488	12,094 996	840 184	12,934 $1,180$	(a, b) 908 $(a)$ 114	$\frac{17,074}{2,782}$
33. Jung Jung 34. Koondrook	4,556	37	$193^{\pm}$	36	266	4,822	3,770.	212	3,982	(a) 345	9,149
35. Lake Boga 36. Lalbert	$\begin{array}{c c} 3,746 \\ 674 \end{array}$	$\frac{39}{2}$	$\begin{array}{c} 199 \\ 10 \end{array}$	$\frac{45}{42}$	$\begin{array}{c} 283 \\ 54 \end{array}$	$\frac{4,029}{728}$	$\begin{bmatrix} 3,732 \\ 2,340 \end{bmatrix}$	$\frac{269}{233}$	4,001 2,573	(a, b) 355   $(a)$ 657	8,385 $3,958$
37. Lascelles	1,369 1,761	$\frac{24}{37}$	$\frac{12}{74}$	$\frac{20}{21}$	$\begin{array}{c} 56 \\ 132 \end{array}$	1,425 $1,893$	1,638 $1,558$	$\frac{270}{209}$	1,908 $1,767$	(a) 194 (a) 252	3,527 $3,912$
39. Lockington	552	4	13	25	42	594	1,852	192	2,044	(a) 405	3,043
40. Longwarry 41. Manangatang	1,188	37 6	$\frac{16}{13}$	21 <b>47</b>	74 66	$\frac{74}{1,254}$	3,437	$\frac{440}{497}$	$\frac{440}{3,934}$	(a) $650$	$514 \\ 5,838$
42. Marnoo	466 7,464	5 225	$\begin{array}{c} 12 \\ 540 \end{array}$	$\begin{array}{c} 21 \\ 121 \end{array}$	$\begin{array}{c} 38 \\ 886 \end{array}$	504 8,350	$2,041 \\ 8,354$	$\frac{265}{849}$	$2,306 \\ 9,203$		3,377 $18,203$
44. Meringur	286	23	6	21	50	336	530	105	635	(a) 150	1,121
45. Minyip	5,060 4,921	61 <b>43</b> 6	$\frac{171}{179}$	$\frac{58}{121}$	$\frac{290}{736}$	5,350 $5,657$	10,835 28,413	$\frac{695}{2,241}$	11,530 $30,654$	(a, b)1,085 (a) 500	17,965 $36,811$
47. Mount Martha	567 145	108	$\frac{44}{42}$	26 10	178 58	$745 \\ 203$	3,200 184	600 41	$3,800 \\ 225$	`	4,545 $428$
49. Nandaly	358	20	24	16	60	418	638	109	747	(a) 216	1,381
50. Natimuk 51. Newstead	3,049 $144$	88	$\frac{44}{102}$	$\begin{vmatrix} 45 \\ 32 \end{vmatrix}$	$\begin{array}{c} 100 \\ 222 \end{array}$	$3,149 \\ 366$	8,423 175	$\frac{395}{315}$	8,818 490	(a,b)	$12,766 \\ 856$
52. North Wonthaggi 53. Nullawil	1,014 475	27 10	78 12	34 18	139 40	1,153 515	1,855 $1,258$	$\frac{287}{218}$	2,142 $1,476$	(a) 320 (a) 97	$\frac{3,615}{2,088}$
54. Nyah	642	8	27	20	55	697	718	59	777	(a) 84	1,558
55. Nyah West 56. Ouyen	1,782 $9,220$	$\frac{80}{109}$	40 488	$\begin{array}{c} 53 \\ 230 \end{array}$	$\begin{array}{c} 173 \\ 827 \end{array}$	1,955 $10,047$	4,705 16,093	$\frac{425}{1,363}$	5,130 $17,456$	(a) 780 (a) 793	$7,865 \\ 28,296$
57. Pakenham	692 251	96	$\frac{39}{12}$	$\frac{24}{20}$	$\frac{159}{32}$	851 283	5,610 706	494 193	6,104 899		7,749 $1,458$
59. Piangil	1,415	59	57	34	150	1,565	2,672	247	2,919	(a) 680	5,164
60. Portarlington 61. Pyramid Hill	1,814	56 98	$\begin{array}{c} 26 \\ 378 \end{array}$	26 45	$\frac{108}{521}$	108 2,335	2,612	$\frac{818}{346}$	$\frac{818}{2,958}$	(a) $540$	926 5,833
62. Quambatook 63. Queenscliff and	31 359	49 335	$\begin{array}{c} 71 \\ 152 \end{array}$	44 140	$\begin{array}{c} 164 \\ 627 \end{array}$	195 986	79 4,800	$\frac{397}{2,568}$	476 7,368	(a) 90	$761 \\ 8,354$
Point Lonsdale						l		,			
64. Rainbow 65. Red Cliffs	3,743 6,319	$\begin{array}{c} 7 \\ 129 \end{array}$	$\begin{array}{c} 36 \\ 401 \end{array}$	45 111	$\begin{array}{c} 88 \\ 641 \end{array}$	$3,831 \\ 6,960$	15,471 6,800	$\begin{array}{c} 925 \\ 1,113 \end{array}$	16,396 7,913	(a) 820	22,108 15,693
66. Rupanyup 67. Sea Lake	4,535 8,284	75 52	$\begin{array}{c} 214 \\ 296 \end{array}$	27 71	$\frac{316}{419}$	4,851 8,703	9,053 7,917	$719 \\ 547$	9,772 $8,464$	(a, b)1,029 (a) 1,424	15,652 $18,591$
68. Somerville	454	39	16	11	66	520	2,699	280	2,979	`	3,499
69. South Frankston 70. Speed	2,218 291	238	98 15	$\begin{array}{c} 65 \\ 18 \end{array}$	$\frac{401}{37}$	$2,619 \\ 328$	12,843 616	$\begin{array}{c} 702 \\ 164 \end{array}$	13,545 780		16,664 1,468
71. Spring Vale 72. Stanhope	2,866 448	382	$\frac{157}{50}$	$\frac{126}{21}$	665 79	$3,531 \\ 527$	$16,770 \ 1,171$	$2,220 \\ 145$	$18,990 \\ 1,316$	(a) · · · 288	22,521 $2,131$
73. Tempy	339	24	18	15	57	396	551	155	706	(a) $312$	1,414
74. Torquay 75. Ultima	2,815	87 42	$\frac{40}{51}$	$\frac{37}{37}$	$\begin{array}{c} 164 \\ 130 \end{array}$	$164 \\ 2,945$	5,532	$\frac{1,013}{360}$	1,013 $5,892$		$\substack{1,177\\9,112}$
76. Waitchie	375 1,881	70	$\begin{array}{c} 10 \\ 26 \end{array}$	$\frac{12}{21}$	$\frac{22}{117}$	397 1,998	742 4,228	$\frac{122}{305}$	$864 \\ 4,533$	(a) 288 (a) 241	1,549 $6,772$
78. Werrimull	670	60	46	30	136	806	1,463	279	1,742	(a) 365	2,913
79. Wonthaggi 80. Woomelang	18,335 $4,677$	719 236	690 78	237 48	$\frac{1,646}{362}$	19,981 5,039	55,639 9,8 <b>47</b>	$2,394 \\ 471$	58,033 $10,318$	(a,b)15000 (a, b) 713	93,014 16,070
81. Woorinen	325 8,469	$\begin{array}{c} 3 \\ 27 \end{array}$	336	16 67	$\frac{27}{430}$	352 8,899	716 8,256	$\frac{122}{724}$	838 8,980	(a) 136 (a) 915	1,326 $18,794$
83. Yaapeet	174	22	18	12	52	226	454	111	565	(a) 260	1,051
Totals	222,542	8,212	9,209	4,204	21,625	244,167	557,286	56,335	613.621	45,564	903,352

# CAPITAL EXPENDITURE.

STATEMENT of Moneys Expended from Water Supply Loans and Unemployment Relief Funds for the year ended 30th June, 1935.

		Wor	ks.				Unempl Relief	oyment Funds.	Water Supply Loans Application Acts 4174 and 4256 and Treasurer's Advance.	Total.
	Free	Han	dworks.					,		
1.	Kerang North-West Lake						£	s. d.	$ \mathfrak{L}  s.  d. \\ 56  5  0 $	£ 8. 6 56 5
	Laanecoorie Weir						382	16 1		$\begin{array}{ccc} 56 & 5 \\ 382 & 16 \end{array}$
	75: 77						-			002 10
3.	River Murray Storages, Weirs and Locks	Wat								
•	Thorages, Wells and Locks	,	• •	• •	• •	• • •			90,855 5 11	90,855 - 5 - 1
	Reservoi	rs and	d Storage	es.						
ŧ.	Goulburn Storages—		0						:	
	Eildon Reservoir Waranga Reservoir		• •		• •				19,092 16 5	19,092 16
j.	Pykes Creek and Melton I	}eserv	voirs		• •	• • •	1,742		1 14 3	1,744 0
					• •	• •	1,889	3 0	210 0 3	2,099 3
	Dall! D. 1	vorks	Districts						1	
	Bellarine Peninsula Birchip, Sea Lake, Tyrrell	and	Wrigher		• •		4,208		26,142 1 10	30,350 7 1
	Carwarp	, and	wycher	orooi		• • •	1,965	18 7	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5,921 18
	Corcena						24	1 0	420 / 1	$\begin{array}{ccc} 420 & 7 \\ 24 & 1 \end{array}$
	Karkarooc								602 11 4	602 11
	Long Lake Millewa		• •	• •	• •				698 9 10	698 9 1
	Mornington Peninsula						4,486	17 6	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{ccc} 20 & 1 \\ 29,273 & 4 \end{array}$
	Tyntynder						4,450		$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{ccc} 29,273 & 4 \\ 2,598 & 2 \end{array}$
	Walpeup Western Wimmera								117 11 0	117 11
	Wireman, Ilmit - 1			• •	• •	• •			8,232 0 7	8,232 0
	Wimmera Mallee, Main an	d Dis	tributar	v Channele	• •		6,038		$\begin{bmatrix} 2,699 & 8 & 2 \\ 358 & 12 & 9 \end{bmatrix}$	$\begin{array}{ccc} 2,699 & 8 \\ 6,397 & 7 \end{array}$
				, 0110010			0,000	14 0	300 12 9	0,391 1
	Pagebug March Galacia I	owns.								
	Bacchus Marsh, Columa, I Berriwillock, Birehip, Culg	nngee	e, and Py	rainid		••			236 17 11	236 17 1
	Coliban	,oa, D	m boota,	and Jepai	TIU	• •	39,880	18 5	$egin{array}{cccc} 45 & 2 & 0 \ 6.456 & 2 & 11 \end{array}$	45 2
	Lake Boga, Lalbert, Mana	ngata	ing, and	Minyip			<b>39,</b> 000		$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
	Merbein								4,493 6 0	4,493 6
	Newstead Nyah West, Ouyen, Patch	orroll.	 	D::1	• •				266 18 8	266 18
	Red Cliffs	емоп	ock, and	Plangii	• •	• •			574 19 9	574 19
	Rupanyup, Sea Lake, and	Ultir	na					•	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccc} 1,993 & 8 & 3 \\ 385 & 4 & 3 \end{array}$
	Walpeup						20	6 11	1,724 8 1	1,744 15
٠.	Watchem, Woorinen, Wyo Werrimull and Meringur	hepro			• •				55 16 11	55 16 1
	Wonthaggi					• • •			$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccc} 654 & 2 & 3 \\ 1,376 & 4 & 3 \end{array}$
							•		1,010 4 0	1,370 +
	Irrigation and Bacchus Marsh and Werri	Vater		Districts.						
	Boort	bee			• •	•••	26,474 $298$		2,492 9 7	28,967 6
	Calivil						290	11 1	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccc} 520 & 4 & 9 \\ 755 & 18 & 9 \end{array}$
	Cohuna and Gannawarra						10,687	7 9	2,169 7 9	12,856 15
•	Deakin and Dingee First Mildura Irrigation To	maret (	dno in a co		• •		4,094		92 9 5	4,187 1 1
	Katandra	rust (	dramage		• •	;	15,268	11 3	1 900 10 6	15,268 11
	Kerang					;	30,697	16 3	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$1,200 \ 18 \ 33,015 \ 18 \ 3$
	Koondrook								330 5 7	330 5
	Leitchville Maffra-Sale		• •	• •	• •		294		369 19 9	664 9 10
	Merbein (including drainas	ge wo	rks)			::!	17,524 $29,623$		$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	23,963 6 3
	Murray Valley Districts (p.	ropos	sed)				20,020		$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
	Mystic Park, Third Lake,	and T	$\Gamma$ resco				4,540	13 5	167 6 3	4,707 19
	North Shepparton Nyah		• •		• •		20.5	19 7	2,159 19 1	2,159 19
		nage v	works)			• • • • • • • • • • • • • • • • • • • •	$\frac{205}{58,151}$	$\begin{array}{ccc} 13 & 7 \\ 5 & 8 \end{array}$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccc} 221 & 8 \\ 60,523 & 15 \end{array}$
	Red Cliffs (including drain					!	32,580	$\begin{array}{ccc} 3 & 3 \\ 2 & 5 \end{array}$	2,059 17 10	<b>34,64</b> 0 0
	Red Cliffs (including drain Rochester	B					18,600	12 5	2,860 7 11	21,461 0
	Rochester Rodney			• •	• •	• • •		$^{2}$ 1	3,646 5 4	11,603 7
	Rochester Rodney Shepparton		<i></i>		• •		7,957			
	Rochester Rodney						7,957		262 3 5	262 3
	Rochester Rodney Shepparton South Shepparton Stanhope Swan Hill		<i></i>		• •			1 7		262 3 926 11
	Rochester Rodney Shepparton South Shepparton Stanhope Swan Hill Tongala						13,946 19,093	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	262 3 926 11 14,756 4 20,210 6
	Rochester Rodney Shepparton South Shepparton Stanhope Swan Hill Tongala Tragowel Plains						13,946 19,093 201	1 7 3 0 14 8	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c} 262 & 3 \\ 926 & 11 \\ 14.756 & 4 \\ 20,210 & 6 \\ 1,448 & 13 \\ \end{array}$
	Rochester Rodney Shepparton South Shepparton Stanhope Swan Hill Tongala Tragowel Plains Goulburn Main Channels						13,946 19,093	1 7 3 0 14 8	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	262 3 926 11 14,756 4 20,210 6 1,448 13
	Rochester Rodney Rodney Shepparton South Shepparton Stanhope Swan Hill Tongala Tragowel Plains Goulburn Main Channels  Flood Protection						13,946 19,093 201 130	1 7 3 0 14 8 1 6	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	262 3 926 11 14,756 4 20,210 6 1,448 13
	Rochester Rodney Shepparton South Shepparton Stanhope Swan Hill Tongala Tragowel Plains Goulburn Main Channels  Flood Protection Carrom	and.	     Drainage	Districts.			13,946 19,093 201 130	1 7 3 0 14 8 1 6	262 3 5 926 11 3 810 2 11 1,117 3 5 1,246 18 8 5,337 4 9	262 3 926 H 1 14,756 4 20,210 6 1,448 H 3 5,467 6 1 10,791 6
	Rochester Rodney Shepparton South Shepparton Stanhope Swan Hill Tongala Tragowel Plains Goulburn Main Channels  Flood Protection Carrom Kooweerup, Cardinia, and	and.	Drainage	Districts.			13,946 19,093 201 130 10,791 11,986	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	262 3 5 926 11 3 810 2 11 1,117 3 5 1,246 18 8 5,337 4 9	262 3 926 11 14.756 4 20.210 6 1,448 13 5.467 6 10,791 6 15,939 10
	Rochester Rodney Shepparton South Shepparton Stanhope Swan Hill Tongala Tragowel Plains Goulburn Main Channels  Flood Protection Carrom	and .	     Drainage	Districts.			13,946 19,093 201 130 10,791 11,986 4,653	1 7 3 0 14 8 1 6	262 3 5 926 11 3 810 2 11 1,117 3 5 1,246 18 8 5,337 4 9	262 3 926 11 14.756 4 20,210 6 1,448 13 5,467 6 10,791 6 15,939 10 4,653 11
	Rochester Rodney Rodney Shepparton South Shepparton Stanhope Swan Hill Tongala Tragowel Plains Goulburn Main Channels  Flood Protection Carrom Kooweerup, Cardinia, and Snowy River, Orbost Other Districts and Works	and . Dano	Drainage	Districts.			13,946 19,093 201 130 10,791 11,986	1 7 3 0 14 8 1 6	262 3 5 926 11 3 810 2 11 1,117 3 5 1,246 18 8 5,337 4 9	262 3 926 11 14.756 4 20.210 6 1.448 13 5.467 6 10.791 6 15.939 10 4.653 11
	Rochester Rodney Shepparton Suth Shepparton Stanhope Swan Hill Tongala Tragowel Plains Goulburn Main Channels  Flood Protection Carrum Kooweerup, Cardinia, and Snowy River, Orbost Other Districts and Works	and Danos	    Drainage  denong C	Districts.			13,946 19,093 201 130 10,791 11,986 4,653 4,299	1 7 3 0 14 8 1 6 6 0 13 7 11 1 16 7	262 3 5 926 11 3 810 2 11 1,117 3 5 1,246 18 8 5,337 4 9	262 3 926 11 14,756 4 20,210 6 1,448 13 5,467 6 10,791 6 15,939 10 4,653 11 4,299 16
	Rochester Rodney Rodney Shepparton South Shepparton Stanhope Swan Hill Tongala Tragowel Plains Goulburn Main Channels  Flood Protection Carrom Kooweerup, Cardinia, and Snowy River, Orbost Other Districts and Works	and Danos	    Drainage  denong C	Districts.			13,946 19,093 201 130 10,791 11,986 4,653	1 7 3 0 14 8 1 6 6 0 13 7 11 1 16 7	262 3 5 926 11 3 810 2 11 1,117 3 5 1,246 18 8 5,337 4 9	262 3 926 11 14.756 4 20.210 6 1.448 13 5.467 6 10.791 6 15.939 10 4.653 11

# CONTRACTS.

# Statement of Contracts entered into during the Year ended 30th June, 1935.

No.	Name of Contractor.			Work	or Supp	ly.				Amount (Loan and Vo
852	A. Harman		1 Excavator							£ s. 2,350 0
853	Hume Pipe Co. (Aust.) Ltd.		Concrete Pipes, Merbein	• • • • • • • • • • • • • • • • • • • •						516 16
54	Rocia Limited		Concrete Pines Red Clif	fs						3,225 0
55	W. H. Looney		Firewood, Nyah							130 0
56 57			Firewood, Nyah Firewood, Nyah Firewood, Nyah	• •	• •		• •		• •	165 0 55 0
58	A. J. Belz F. E. Draper	• • •	Firewood, Nyah Firewood, Nyah	• •	• •	• •	• •	• •		260 0
59	James Hardie and Co. Ltd.		Fibrolite Pipes, Bellarine	Peninsul	а					4,834 9
60	James Hardie and Co. Ltd.		Profonte Pides, Morningi	on Penin	sula	• • • • • • • • • • • • • • • • • • • •				2,075 3
31	James Hardie and Co. Ltd.		Fibrolite Pipes, Red Clift Fibrolite Pipes, Merbein	s		• •		• •		312 9
32 33	James Hardie and Co. Ltd.		Fibrolite Pipes, Merbein	• •	••	• •		• •	• •	732 13 238 4
34	James Hardie and Co. Ltd. J. Bettie		Fibrolite Pipes, Harcourt		••	••	• •	• •	::	238 4 262 19
35	J. H. Russell		Firewood, Millewa	••		• •	• •		• • • • • • • • • • • • • • • • • • • •	462 9
36	George Webb F. Chittleborough		Firewood, Millewa		.,					471 1
37	F. Chittleborough		Firewood, Millewa				• •		• •	116 13
38 39	J. J. Russell L. G. Holmes	• •	r frewood, Millewa	• •	• •	••	• •		• •	232 3 787 10
70	II Observe	• •	Firewood, Millewa	• •	••	• •	• •	••	::	369 12
71	W. H. Hunter		Firewood, Millewa	••	••	••		• • • • • • • • • • • • • • • • • • • •		112 8
72	Mephan Ferguson Ptv. Ltd.		Firewood, Millewa Firewood, Millewa Castings (Gibault Joints),	Bellarine	Peninsula	a				820 4
3	Australian Cement Ltd					• •			٠.	10,791 13
74 75	D. C. Smylie		Firewood, Millewa Firewood, Millewa Firewood, Millewa Firewood, Millewa	• •	• •	••		• •	• •	687 10 170 6
76	J. Harcoan W. Garrigan	• • •	Firewood, Millewa	••		• •	• •	• •		114 11
77	W. E. Smythe		Firewood, Millewa			••		• • •		262 14
78	Martin Stoneware Pty. Ltd.			Red Cliffs				• • •		1,968 15
79	T. McGuirk		Firewood, Millewa		• •					116 13
80	C. S. Foster		Firewood, Millewa	• •	• •	• •	• • •	• •	• •	350 0 135 8
32	M. McGuirk	• •	Firewood, Millewa Firewood, Millewa Firewood, Millewa Firewood, Millewa	••	• •	• •	• •	::	::	118 15
33	Hume Pine Co. (Aust.) Ltd.		Concrete Pipes, Red Cliff	ß	• • • • • • • • • • • • • • • • • • • •					757 9
34	Australian Wood Pipe Co. Ltd.	. ::	Wood Pipes, Merbein							479 6
35	J. Mortensen		Construction Low Level	Basin, W	onthaggi	• •				1,765 15
36 37	G. D. Guthrie and Co. Pty. Lt		Salt glazed ware pipes, Fi	rst Mildu	ra Irrigati	on Trus	t Distric	t (Drainag	e)	3,086 9 6,325 0
38	Rocla Ltd. Martin Stoneware Pty. Ltd.		Wood Pipes, Merbein Wood Pipes, Merbein Construction Low Level Salt glazed ware pipes, Fi Concrete Pipes, First Mile Salt glazed ware pipes, Fi	iura irrigi ret Mildu	ation Trus ro Trrigati	on True	ct (Drain t Dietrici	age) L (Drainea	e)	593 15
39	Concreters (Victoria) Ltd		Salt glazed ware pipes, Fi Concrete Pipes, First Mile	lura Irrig	ation Trus	t Distri	ct. (Drain	nage)		259 17
90	Cecil R. Spargo		Additions to Office, Red.	Cliffs			••			512 6
1	Cornwell's Pottery		Salt glazed ware pipes, I Salt glazed ware pipes, R Concrete Pipes, Red Cliff	Red Cliffs			••		• •	2,268 15
)2 )3	G. D. Guthrie and Co. Pty. Lt Rocla Ltd.		Salt glazed ware pipes, R	ed Chiffs	••		••	••	• •	1,160 15 67 12
94	P. Maffei	• • •	Firewood Merbein	s	• •	••			• • •	700 0
5	A. Groppi	• • •	Firewood, Merbein Firewood, Merbein Firewood, Merbein Firewood, Merbein	• • •						237 10
96	M. P. Kairns and Co		Firewood, Merbein							512 10
7	M. P. Kairns and Co		Firewood, Merbein	••	• •		• •		• •	518 15
98 - 1 99 - 1	M. P. Kairns and Co	• • •	Firewood, Merbein	• •	••	• •	• • •	• •	• •	506 5 156 5
)ő	D. Dart	• •	Firewood, Merbein	• • •	• •	• •	• •	::	::	591 13
)1 1			Firewood, Long Lake							40 0
12	P. II. A. Bennett		Firewood, Merbein Firewood, Merbein Firewood, Long Lake Firewood, Long Lake							110 0
)3 )4	W. Gilmore		Firewood Long Lake	• •	• •	• •	• •	• •	• •	37 10 56 5
5	C. J. Johnston W. F. Decker		Firewood, Long Lake Firewood, Millewa Firewood, Millewa Firewood, Merbein	• •	• •	• • •	••		::	252 1
6	J. A. Bettie	• •	Firewood, Millewa	• • •				• • •	::	258 6
7	C. T. Busch		Firewood, Merbein			::				369 15
8	F. Russell	٠.	Firewood, Merbein			• •				550 0
9	J. J. O'Halloran		Firewood, Merbein	••	• •	٠.	••	• •	• •	181 5 176 19
1	J. A. Bettie N. II. Gillingham	• •	Firewood, Merbein Firewood, Tresco Firewood, Millewa Firewood, Millewa	• •			• •		• •	175 0
2	J. H. Russell		Firewood, Millewa						::	337 10
3	A. J. Robinson		Firewood, Millewa							479 3
4	T. A. Bland, junior		Firewood Willews	••	• •	••		• •	• •	600 0
5	Theo Smith E. Kitchenham		Residence, Red Cliffs Firewood, Millewa Firewood, Millewa	••	• •	• •	• •	• •	• •	902 2 258 6
7	A. J. Robinson		Firewood Millewa			••	••		::	500 0
8	P. M. Mannix, junior		Firewood, Nyah			••	•••	• • •		325 0
9	J. W. Jinette		Firewood, Nyah							312 10
0:	A. J. Belz A. W. Belz		Firewood, Nyah	••	• •	• •	••			325 0
	A. W. Belz Small contracts at piece-work ra		Firewood, Nyah	• •	••	••	• •	• •	• •	325 0
1										1
1	Loan Funds									2,930 0
21	Loan Funds Unemployment Relief Funds			::	••			::		2,930 0 1,326 0

### DIRECT LABOUR.

The construction of the larger works is still being mainly carried out by "Direct Labour," and the Statement hereunder shows the Fund from which this expenditure has been met. The principal payments during the year were:—

Works.				Loan Funds.		Unemployment Relief Funds.
_				£		£
River Murray Storages (Hume Reservoir and Yarrawonga V	Veir)	• •	• •	46,527		••
Wimmera-Mallee System				15,208		5,513
Eildon and Waranga Reservoirs				14,712		1,564
Bellarine Peninsula District			•••	10,372		4,068
Deakin, Rochester, Rodney, Shepparton, Stanhope, and To	ngala i			9,493		61,637
Warningston Davis and District	•		••	8,642		3,256
	•••	• •	• •		• •	
Merbein, Millewa, Red Cliffs, Carwarp, and Walpeup District	ts	• •	••	<b>5,</b> 6 <b>53</b>	• •	59,573
Coliban System	• •	• •	••	3,964	• •	31,555
Maffra-Sale District (Glenmaggie Reservoir)				<b>3,74</b> 8		13,024
Cohuna, Kerang, Kerang Lakes, Koondrook, Mystic Park,	and Tr	esco Distri	cts	3,738		<b>35,</b> 957
Goulburn Main Channels				3,289		111
Kooweerup, Cardinia, and other Flood Protection Districts				2,778		22,576
Boort, Tragowel Plains, Nyah, and Swan Hill Districts		••		2,259		12,158
	• •	••	• •		• •	
Bacchus Marsh and Werribee Districts	• •	• •	••	1,997	• •	21,439
Other Districts	• •	••	••	347	• •	4,051
				132,727		276,482
Grand Total				4	409.20	9

### 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, 1936, 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, 1936.

### ESTIMATED DISBURSEMENTS.

		A.				
Revenue Producing Works—						
Coliban District					£11,746	
Irrigation and Water S	Supply	Districts			120,026	
Waterworks Districts					109,443	
Drainage and Flood Pr		on Districts			516	
Diversions from Stream					355	
General Expenditure				over		
£250 to be apporting	ioned t	o above Dis	tricts	• •	18,000	0000 000
				•		£ $260,086$
		В.				
Non-Revenue Producing Works—						
General Services—						
River Gaugings, Sur				eneral	00.100	
Expenditure and Sa					£6,100	
Loan Works and					4 500	
Services on Account	deiray	rea from voi		• •	4,500	
Waterworks Trusts Ad	ımınıst	ration	• •		1,900	c19 500
		a				£12,500
N. D. D. D. L. ' W. I		С.				
Non-Revenue Producing Works—	•					
Free Headworks—					6900	
<b>B</b> roken River Goulburn–Waranga	• •	• •	• •	• •	£200	
TZ	• •	• •	• •	• •	$1,592 \\ 1,026$	
Lake Lonsdale and Lo	wor W	immers	• •	• •	338	
Loddon River	WCI VV	mmera	• •	• •	$\frac{300}{200}$	
North-West Lakes	••	• •		• •	$\begin{array}{c} 200 \\ 225 \end{array}$	
aroton wood names	• • •	• •	• • •	• •		£3,581
					_	
						£276,167
					-	
E	STIMA'	red receip	TS.			
Coliban District						£45,000
Irrigation and Water Supply Dist	riote	• •	• •	• •	• •	235,000
Waterworks Districts	11003	••	• •	• •	• •	199,000
Flood Protection Districts	• •	• •	• •		• •	6,000
Miscellaneous	• •					15,000
					_	
						£500,000
T3 4' 4 3 4 11.11 6	_	_	, .	117 1	_	
Estimated amount available from						
to meet Interest			0		6090 014	
Logg ownerditure as non "D" as			0		£239,914	
Less expenditure as per "B" ar	nd "C		0	venue	,	
Less expenditure as per "B" ar Producing Works			0		£239,914 16,081	<del>6333</del> 833
Less expenditure as per "B" ar Producing Works	nd "C	" above on	Non-Ro	evenue	,	£223,833
Less expenditure as per "B" ar Producing Works  To which add Estimated Revenue	nd "C	" above on	Non-Ro	evenue	16,081	£223,833
Less expenditure as per "B" ar Producing Works  To which add Estimated Revenue Waterworks Trusts	nd "C	" above on	Non-Ro	evenue	16,081 £60,200	£223,833
Less expenditure as per "B" ar Producing Works  To which add Estimated Revenue Waterworks Trusts	nd "C	" above on	Non-Ro	evenue	16,081	
Less expenditure as per "B" ar Producing Works  To which add Estimated Revenue Waterworks Trusts	nd "C	" above on	Non-Ro	evenue	16,081 £60,200	£223,833 £84,000
Less expenditure as per "B" ar Producing Works  To which add Estimated Revenue Waterworks Trusts	nd "C  es from 	" above on other Auth	Non-Re	evenue	16,081 £60,200	·
Less expenditure as per "B" ar Producing Works  To which add Estimated Revenue Waterworks Trusts Local Bodies	nd "C  es from 	" above on other Auth	Non-Re	evenue 	16,081 £60,200	

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.

DESCRIPTION	ON OF WO	RKS.			Capital Debit at 30th June, 1935. Exclusive of cost of Loan Flotation
l. Broken River Works : Casey's Weir	and offtal	ke, with about 5	chains of	f channel	£
to the Broken Creek; Gowangardie 2. Goulburn River Works:—Weir on the son; channel therefrom, about 23½ m	Weir with Goulburn	offtake sluice . River, about 9		e Murchi-	14,853
(but exclusive of the work of its enla 3. Kerang North-West Lakes Works:—' with the Pyramid Creek; regulating Sheepwash and Washpen Creeks; Reedy Lake, Middle Lake, Third L	argement) Weir on t g weirs at channel fr ake, Lake	the Loddon Rive the effluence from the Washpen c Charm, Raceco	er at its contact the Lodd Creek regularse Lake	onfluence on of the culator to Cullen's	739,552
Lake, Kangaroo Lake, and Lake Tu water storage works at these lakes	tchewop, a	and to the Little	Murray Ki	ver, with	26,620
t. Kow Swamp Works:—Intake from the of the Gunbower Creek; channel the Reservoir; channel along the nort	hence to t	he Kow Swamp	Reservoir;	and that	
outlet of the reservoir, about 23½ mi 5. Lake Lonsdale Reservoir :—Reservoir					187,944
River, near Ledcourt					49,054
<ol> <li>Loddon River Works: —Laanecoorie V the Loddon; Kinypanial Weir, on t</li> </ol>			dgewater	Weir, on	167,789
<ol> <li>Long Lake Pumping Works —Inlet River; water storage works at connecting these lakes; pumping</li> </ol>	to Lake Lake Bak plant at I	e Baker, from ker and Long L Long Lake, with	ake, with rising mai	channel in thence	
about 7 miles to allotment 10m, pa channels, about 85 miles in length. 8. Lower Wimmera Compensation Works allotment 29, parish of Longerenor	 :—Drung ng; Diml	Drung Weir, on boola Weir, on t	the Wimm	era, near era, near	27,346
Dimboola township; Antwerp Weinstead; Jeparit Weir, on the Wimme			werp Stati	on home-	8,663
Total					1,221,821
Name of Work.  Goulburn Main Channels (Free Headworks excluded)—  1. East Goulburn Main	30th June, 1935. £	Tragowel Plains Rochester Tongala Shepparton Katandra Deakin North Shepparto		$\begin{array}{c} £120,000 \\ 100,000 \\ 74,000 \\ 58,000 \\ 57,000 \\ 30,000 \\ 24,000 \\ 21,000 \\ 20,000 \end{array}$	
<ol> <li>Waranga Reservoir to Campaspe</li> <li>West of Campaspe</li> <li></li> </ol>	391,799 657,674	Boort Calivil Echuca North Dingee Stanhope		18,000 17,000 15,000 15,000	
		Calivil Echuca North Dingee		18,000 17,000 15,000 15,000 9,000	
3. West of Campaspe	657,674	Calivil Echuca North Dingee Stanhope		18,000 17,000 15,000 15,000	1,423,503
3. West of Campaspe 4. Goulburn Main Channel Distributaries	10,636 1,423,503 1,886,951 608,029	Calivil Echuca North Dingee Stanhope	  n	$ \begin{array}{c} 18,000 \\ 17,000 \\ 15,000 \\ 15,000 \\ 9,000 \\ \hline{£578,000} \end{array} $	
3. West of Campaspe	657,674 10,636 1,423,503 1,886,951 608,029 2,494,980 21,678	Calivil Echuca North Dingee Stanhope	  n	$ \begin{array}{c} 18,000 \\ 17,000 \\ 15,000 \\ 15,000 \\ 9,000 \\ \hline{£578,000} \end{array} $	
3. West of Campaspe	657,674 10,636 1,423,503 1,886,951 608,029 2,494,980	Calivil Echuca North Dingee Stanhope South Shepparto		$ \begin{array}{c} 18,000 \\ 17,000 \\ 15,000 \\ 15,000 \\ 9,000 \\ \hline{£578,000} \end{array} $	2,494,980
3. West of Campaspe	657,674 10,636 1,423,503 1,886,951 608,029 2,494,980 21,678 142,149 85,848 249,675	Calivil Echuca North Dingee Stanhope South Sheppartor	·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ··	18,000 17,000 15,000 15,000 9,000 £578,000 	2, <b>494,9</b> 80 2 <b>49,6</b> 75
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	657,674 10,636 1,423,503 1,886,951 608,029 2,494,980 21,678 142,149 85,848	Calivil Echuca North Dingee Stanhope South Shepparto	·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ··	18,000 17,000 15,000 15,000 9,000 £578,000 	2, <b>494,9</b> 80 2 <b>49,6</b> 75
3. West of Campaspe	657,674 10,636 1,423,503 1,886,951 608,029 2,494,980 21,678 142,149 85,848 249,675	Calivil Echuca North Dingee Stanhope South Sheppartor	·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ··	18,000 17,000 15,000 15,000 9,000 £578,000 	1,423,503 2,494,980 249,675 469,222 1,249,341
3. West of Campaspe	657,674 10,636 1,423,503 1,886,951 608,029 2,494,980 21,678 142,149 85,848 249,675 469,222 663,683 585,658 1,249,341	Calivil Echuca North Dingee Stanhope South Sheppartor Capital allotted Capital allotted Capital allotted		18,000 17,000 15,000 15,000 9,000 £578,000  £200,899 £325,297 £205,905	2,494,980 249,675 469,222 1,249,341
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  Maffra—Sale Scheme—  11. Glenmaggie Reservoir  12. Main Channels and Distributary Works  Red Cliffs Scheme—  13. Main and Distributary Channels  Millewa District—	657,674 10,636 1,423,503 1,886,951 608,029 2,494,980 21,678 142,149 85,848 249,675 469,222 663,683 585,658	Calivil Echuca North Dingee Stanhope South Sheppartor  Capital allotted Capital allotted		\$\frac{18,000}{17,000}\$ \$\frac{17,000}{15,000}\$ \$\frac{15,000}{9,000}\$ \$\frac{\pmodernoonage 578,000}{\pmodernoonage 578,000}\$ \$\dots\$ \$\dots\$ \$\frac{\pmodernoonage 200,899}{\pmodernoonage 325,297}\$ \$\frac{\pmodernoonage 200,905}{\pmodernoonage 200,905}\$	2,494,980 249,675 469,222
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  Maffra—Sale Scheme— 11. Glenmaggie Reservoir 12. Main Channels and Distributary Works  Red Cliffs Scheme— 13. Main and Distributary Channels  Millewa District—	657,674 10,636 1,423,503 1,886,951 608,029 2,494,980 21,678 142,149 85,848 249,675 469,222 663,683 585,658 1,249,341 784,889	Calivil Echuca North Dingee Stanhope South Sheppartor  Capital allotted Capital allotted Capital allotted Capital allotted		\$\frac{18,000}{17,000}\$ \$\frac{17,000}{15,000}\$ \$\frac{9,000}{2578,000}\$ \$\tilde{\pi}\$	2,494,980 249,675 469,222 1,249,341 784,889

### Works under Control of Commission—continued.

Capital Debit at 30th June, 1935, Exclusive of Cost of Loan

£ 8,858,693

 ${\bf Brought\ forward}$ 

### C.—IRRIGATION AND WATER SUPPLY DISTRICTS.

Distributary Works within Districts under the control of the Commission.

		District. an Divisio	ons.)		Total Capital Expenditure.	Capital Written Off by Acts 1625 and 1651.	Redemption Paid to Treasury.	Gapital Debit at 30th June, 1935.
					£	£	£	£
1. Bacchus Marsh					115.519	8,906	493	106,120
2. Boort .					116,326	35,259	1,794	79,273
3. Calivil .					110,446		• •	110,446
4. Campaspe .					65,253	52,685	305	12,263
5. Cohuna and Ga	nnawa				408,567	82,376	1,386	324,805
6 Doolsin					95,906	34,748	2,144	59,014
7. Dingee .					17,227			17,227
8. Dry Lake .			• •		1,704	686	299	719
9. Echuca North .					23,895	'		23,895
0. Fish Point .					15,507	!		15,507
1. Katandra .			• •		106,298	l i		106,298
2. Kerang .					156,059	35,338	2,334	118,387
2 Koondrook		••		• •	221,440	30,872	1,562	189,006
4. Leitchville .			• •		44,597		••	44,597
5 Manhain			••	• •	233,740		133	233,607
6 Myratia Daula			• • •		17,249	!! ;		17,249
7. North Sheppart	on	•••	• • •		192,839	l ii i	••	192,839
Q Nwoh	•		• • •	• • • • • • • • • • • • • • • • • • • •	111,337	::	::	111,337
0 Poshoston			• • •		334,236	::	• •	334,236
n Podnou	:		• • • • • • • • • • • • • • • • • • • •		728,026	149,949	8,967	569,110
1. Shepparton .	•	• • •	• • •	• • •	195,316	110,010	856	194,460
2. South Sheppart	on.	• • •	• • •	• • • • • • • • • • • • • • • • • • • •	59,573	::		59,573
3 Stanhone	•	• • • • • • • • • • • • • • • • • • • •	• • •	• •	116,124		53	116,071
4 Swan 11:11	:	• •		• • • • • • • • • • • • • • • • • • • •	188,119	19,799	371	167.949
5 Third Labo	:		••		25,117	1 1		25,117
6 Tongolo		• •	••	••	155,548	•••	• •	155,548
7. Tragowel Plains	•	••	• •	••	381,836	124,534	$^{\cdot\cdot\cdot}_{527}$	256,775
8 Tresco		• •	••	••	91,290	'	941	91,290
0 Worriboo	•	••	• •	••	125,225		10,242	114,983
o orriboo	•	••	••	••	120,225		10,242	114,888
					4,454,319	575,152	31,466	3,847,701

3,847,701

### D.—WATERWORKS DISTRICTS.

Distributary Works within Districts under the control of the Commission.

Name of D. (Including Urba		cts.)		Total Capital Expenditure.	Capital Written Off by Acts 1625 and 1651.	Redemption Paid to Treasury.	Capital Debit at 30th June, 1935.
1 D. 1.				£	£	£	£
1. Birchip	• •	••	• •	]			
2. Sea Lake	• •	• •	••	> 919,145	700	2,473	915,972
3. Tyrrell	• •	• •	• •				
4. Wycheproof	• •	• •	• •	J			10.000
5. Carwarp	• •	• •	••	43,962		• •	43,962
6. Coliban 7. Coreena	• •	••	••	1,646,233	•••	••	1,646,233
	• •	• •	• •	45,780		1. 700	45,780
8. Dandenong 9. Dering	• •	• •	• •	39,927	5,128	1,506	33,293
IA Tunales	• •	• •	• •	10,191	••	• •	10,191
11 TT:	• •	• •	• •	4,091	•••	• •	4,091 $20,884$
10 77	• •	• •	••	20,884	••	9 009	
12. Karkarooc 13. Kerang North-West L	- 1	• •	• • •	289,579	•••	2,893	286,686 2,036
14 17:0		• •	• •	2,036		• •	7,136
F T T. L.	• •	• •	••	7,136		1,081	133,228
6. Mornington Peninsula	• •	• •	••	134,309	•••	•	927,930
77 NT 1 - 1	• •	• •	••	927,930	•••	••	11.869
18. Pyramid Hill	• •	• •	••	11,869 $6,217$	••	1 <b>.3</b> 00	4,917
IA M-4 1	• •	• •	••	278,500		60	278,440
20. Upper Western Wimm		• •	• •		26,567	<b>3,4</b> 50	85,079
21. Upper Wimmera Unit		• •	••	115,096 138,360	10,918	<b>4,4</b> 99	122,943
22. Walpeup Central		• •	••		1 ' 1		25,404
23. Walpeup West	• •	••	••	25,404	•••	••	36,003
24. Werribee	• •	• •	• •	36,003	•••	••	11,636
25. Western Wimmera	• •	• •	••	11,636	106,268	13,198	310,656
26. Wimmera United	• •	• •	• •	430,122	25,474	10,231	257,827
NW 1371	• •	• •	••	293,532	1 1	9,071	69,545
00 Walta	• •	• •	••	78,616		,	6,138
29. Wimmera Main Chanr	l .	> ·· ^		6,138		••	122,242
30. Wimmera Storages—	ieis		ounts	122,242	•••	• • •	122,242
Fyans Lake			oing oited	49 60=			43,685
Taylor's Lake	• •		to	43,685	••	••	204,966
Pine Lake	••		tricts	$204,966 \\ 178,588$	•••	• •	178,588
Lake Whitton	••		efited	178,588		• •	10,336
		-		6,082,513	175,055	49,762	5,857,696

5,857,696

£18,564,090

Grand Total

# STATEMENT OF LOAN LIABILITY.

STATEMENT of the amount provided by the State to meet Interest and Exchange thereon on its Loan Expenditure for Works of Water Supply, both State Works of Water Supply and Works vested in Authorities other than the Commission; and of the sums paid from the revenues of the Commission, and from the moneys received from such other Authorities, to provide such Interest and Exchange for the year ended 30th June, 1935:—

		Loan Liability of	State for	ks of Water Suppl elbourne Water Su	Works of Water Supply at 30th June, 1935, exclusive of Melbourne Water Supply.	exclusive		Total Interest of £1,(Exchange thereon of the following th	Total Interest of £1,038,520 and Exchange thereon of £99,809 debitable to	
		Total Advances, including fost of Loan Flotation.	Deduct Redemption Paid.	Net Advances.	(A.) Amounts Triften Off. (B.) Free Head- works. (C.) Uncompleted or Unallotted Works.	Balance at Debit of Authorities.	Interest and Exchange thereon payable by State on Net Advances.	(A.) Written Off. (B.) Free Head-works. (C.) Uncompleted or Unallotted Works	Commission and Other Authorities.	Amount received from Revenues of all Authorities to meet Interest.
`_	Waterworks Districts	£ 5,280,929	£ 50,796	£ 5,230,133	(A.) 175,055	5,055,078	£ 233,659	£ (A.) 7,823	£ 225,836	£ (£
	Irrigation and Water Supply Districts	4,663,969	32,453	4,631,516	(A.) 575,152	4,056,364	206,916	(A.) 25,697	181,219	
pleted G	Goulburn Channel Works (Free Districts supplied are being Handworks arounded)	$\int$ 1,443,262	116	1,443,146	(C.) 851,798	591,348	64,480	(C.) 38,058	26,422	000
- <del>T</del>	, and	237,001	669	236,302	(C.) 50,884	185,418	10,558	(C.) 2,272	8,286	After (After providing
	Mornington Peninsula	956,193	166	955,427	(C.) 266,078	689,349	42,685	(C.) 11,887	30,798	£23,803 for non-
Works	Kooweerup, Cardinia, and other Flood Protection Schemes	414,631	15	414,616	(C.) 248,202	166,414	18,522	(C.) 11,088	7,434	revenue producing
perr	Eildon Reservoir and Waranga Reservoir Enlargement	2,587,914	9,654	2,578,260	(C.)2,578,260	:	115,185	(C.) 115,185	:	works, including
ollani	Maffra-Sale Irrigation and Water Supply District	1,286,663	903	1,285,760	(C.)1,073,574	212,186	57,443	(C.) 47,965	9,478	Free Head-
	Millewa Waterworks Districts	526,654	22	526,632	(C.) 279,917	246,715	23,529	(C.) 12,507	11,022	works)
pareid	Red Cliffs Irrigation and Water Supply District	794,247	:	794,247	(C.) 309,366	484,881	35,483	(C.) 13,820	21,663	
	Bellarine Peninsula	471,458	46	471,412	(C.) 160,048	311,364	21,060	(C.) 7,150	13,910	
	Campaspe and Loddon Rivers Storages (proposed)	124,486	2,605	121,881	(C.) 121,881	:	5,446	(C.) 5,446	:	:
her M B	Waterworks Trusts (including First Mildura)	2,169,019	412,887	1,756,132	(A.) 343,924	1,412,208	78,456	(A.) 15,364	63,092	
_	Local Bodies (Municipalities)	865,616	158,586	707,030	(A.) 163,760	543,270	31,587	(A.) 7,317	24,270	£81,704
	River Murray Agreement Works	2,576,072	5,943	2,570,129	(C.)2,570,129	:	114,822	(C.) 114,822	:	:
Irri	Irrigation and Waterworks Trusts Abolished	32,754	30	32,724	(A.) 32,724	:	1,462	(A.) 1,462	:	:
Fre	Free Headworks	1,266,505	420	1,266,085	(B.)1,266,085	:	56,563	(B.) 56,563	:	:
Fre	Free Grants to Local Authorities	147,046	:	147,046	(B.) 147,046	:	6,570	(B.) 6,570	:	:
Sar	Surveys, Exploratory, and Preliminary Works, including Purchase of Land reserved for Reservoirs	311,306	104	311,202	(C.) 311,202	:	13,903	(C.) 13,903	:	:
	Totals	26,155,725	676,045	25,479,680	11,525,085	13,954,595	1,138,329	514,899	623,430	251,769

Dated at the office of the State Rivers and Water Supply Commission, Treasury Gardens, Melbourne, the 28th day of October, 1935.

RICHD. HORSFIELD, Chairman.

W. TREVEAN, Commissioner.

L. R. EAST, Commissioner.

P. J. O'MALLEY, Secretary.

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

