1940.

VICTORIA.

STATE RIVERS AND WATER SUPPLY COMMISSION.

THIRTY-FIFTH

ANNUAL REPORT,

1939-40.

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, 1939-40.

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 1939–40, and Estimates for the ensuing year.

The personnel of the Commission is as follows :—

Mr. L. R. East, M.C.E., M.Inst.C.E., M.Am.Soc.C.E., M.I.E., Aust. ; Chairman.

Mr. W. A. Robertson, M.C.E., M.Inst.C.E., M.I.E., Aust. ; Commissioner.

Mr. H. Hanslow, Commissioner.

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OF

THE STATE RIVERS AND WATER SUPPLY COMMISSION

FOR

YEAR ENDED 30TH JUNE, 1940.

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PART II.

WORKS CARRIED ON OR COMPLETED DURING THE YEAR.

A description of the various water supply systems and works controlled by the State Rivers and Water Supply Commission throughout the State of Victoria was published in the Thirty-Fourth Annual Report, Year 1938–39.

Statements inserted in this Report for the year 1939–40 show the names of the districts supplied with water; the annual value of the lands and tenements and the number of persons dwelling in these districts; the water rates, irrigation charges and drainage and flood protection rates levied; the area of lands under irrigated culture within the State; and the capacities of the various water storages. Financial particulars relating to the Commission's Works and Districts are also published.

During the year the Commission has carried out, on behalf of the Commonwealth Government, works of water supply, drainage and sewerage for a number of military camps throughout Victoria.

With the limited technical staff at its disposal the Commission has, also, made some progress with the comprehensive investigation of the water resources of Victoria.

The major items of importance regarding the Commission's activities are shown in the following pages:—

WATER SUPPLY.

In Victoria, the total area of land supplied with water for domestic and stock purposes or for irrigation, excluding the metropolitan areas, amounted to 15,118,000 acres.

Owing to heavy rains over the whole of the State during the month of August, 1939, the supply of gravitation water for irrigation in the 1939–40 season did not commence until late in September, 1939, at which time the storages, including Victoria's half share of Hume Reservoir, contained 1,771,990 acre feet. The supply terminated early in June, 1940, when the volume remaining in the storages amounted to 960,060 acre feet.

During the year, a total of 521,588 acre feet of water, including 68,960 acre feet by pumping, was delivered from the Commission's channels to landholders in irrigation districts. In addition, 23,752 acre feet were delivered to lands outside the boundaries of the Commission's Districts, making a total delivery of 545,340 acre feet. This quantity was less than that delivered during the record season of 1937–38 when, in addition to 20,917 acre feet supplied to high-level Waterworks Districts, irrigation deliveries totalled 672,782 acre feet of water, inclusive of 55,944 acre feet by pumping. The year under review, however, shows a greater delivery for all purposes than in the preceding year (1938–39), by 16,724 acre feet, and was 38,905 acre feet greater than the average for the previous ten years.

The irrigation districts of Nyah, Red Cliffs, and Merbein received 49,185 acre feet pumped direct from the River Murray, while the high-level Waterworks Districts of Millewa, Coreena, Carwarp, and Yelta, also involving pumping from the River Murray, received 19,775 acre feet for domestic and stock supplies. In addition, 215 acre feet of water were delivered to lands outside these districts.

The demand for irrigation water at the beginning of the season was slight and interruption of delivery was caused by spring rainfall. Thereafter, the demand increased and extended late into the season resulting in slightly more than 86 per cent of the water rights apportioned throughout the gravitation systems being used, while, in the three districts dependent upon pumped supplies, 87 per cent of water rights was taken.

The Wimmera–Mallee Waterworks Districts received 31,506 acre feet from the Loddon and Goulburn systems, in addition to their usual supplies from the Wimmera–Mallee storages in the vicinity of the Grampians. The volume of water discharged from the Waranga Reservoir amounted to 504,675 acre feet. Of this quantity 197,466 acre feet were delivered to users and, together with 12,802 acre feet passed on to the Wimmera–Mallee Waterworks Districts at the Loddon Weir, gave a delivery efficiency of about 42 per cent.

IRRIGATION SUPPLIES.

Goulburn System.

The year 1939–40 was remarkable for the variation in the seasonal conditions in the Irrigation Districts supplied from this system, an extremely wet winter and spring being followed by a mild summer and a record dry autumn.

During the winter, serious flooding occurred in the Rodney, Shepparton and Tongala–Stanhope areas. These floods were particularly severe in the Shepparton and Tongala Districts where, in addition to serious losses in orchards, a very large area under lucerne and pasture was destroyed. Approximately 9,000 fruit trees in bearing died as a result of the continuous wet conditions.

In the Rodney District, flooding was serious but the area most affected was under natural pasture.

The high level of the Goulburn River prevented the free discharge of flood waters, and caused some breaches to the levee bank system at Loch Garry and at Kanyapella.

Floods also occurred in the Campaspe River, resulting in damage to the Campaspe Weir and serious flooding in the Rochester District. The weir has been repaired and its condition is now more satisfactory than for many years. Irrigation was delayed until late in the spring but once a start was made, the demand for water continued until the end of the autumn. Some indication of the position during the early part of this season may be gathered from the fact that in Rodney District an area of only 329 acres under cereals was irrigated, while in the previous year the area under cereals irrigated was 14,373 acres. This condition was practically the same in all districts. Any reduction of the area under irrigated culture for the year will be found mainly in the area of cereals watered, as in all other classes of irrigation the area under cultivation has been maintained and the quantity of water delivered was well up to the average. Ample supplies were available to meet all requirements.

During the year reconditioning of works was undertaken with Unemployment Relief Funds made available by the Government. In Rodney District, 10 worn-out culverts and several checks were replaced.

The offtake regulator for the Main Wilson Channel from the Goulburn–Waranga Main Channel was reconstructed and the sill lowered 3 feet to enable the maximum draw-off of water at times of minimum flow to the Waranga Reservoir.

In January, 1940, when the demand for water was at its peak, a serious collapse took place in the floor of the No. 2 Flume on the Goulburn–Waranga Main Channel. Temporary repairs were carried out with minimum delay and steps were taken immediately for the preparation of the design of a new structure, the erection of which was commenced before the end of the year.

General maintenance work carried out during the year was increased as the result of the flood damages caused during the winter. Weed growth was much greater and special attention was paid to the removal of cobungi.

This year the Echuca North District was abolished and the adjoining Rochester and Tongala–Stanhope Districts were extended to include portions of the areas previously forming part of the Echuca North District. The amalgamation of the Tongala and Stanhope Districts and the inclusion of part of the Echuca North District will bring about considerable saving in administration costs.

Loddon and Torrumbarry (Murray) Systems.

The irrigation season commenced with normal rainfall conditions, but during the latter half (December to June) little more than two inches of rain was recorded.

During the spring months, therefore, the demand for water for irrigation was below normal, but in the latter part of the summer and the whole of the autumn, because of the lack of rainfall and the abnormally hot and dry weather, the demand increased to such an extent that the carrying capacities of the systems were strained to the limit, and difficulty was experienced, in some districts, in meeting demands. This difficulty was associated chiefly with the silted and weed infested condition of the channel system, which, on account of the insufficiency of funds made available for maintenance, has been drifting into a state of disrepair.

Water rights allotted to districts administered within the Loddon Division total 156,481 acre feet. Deliveries for the year including sales of water, but excluding deliveries to holders of private diversion permits, amounted to 195,644 acre feet.

With the assistance of funds made available under Unemployment Relief conditions, remodelling of some of the worst sections of the channel system was undertaken, the work being carried out mainly by dragline excavators. A total length of 30 miles was treated in this way.

The work of replacing old timber bridges and regulators (constructed some 40 to 50 years ago) by concrete structures was continued, the total replacements for the year being 17 bridges and 20 regulators. In addition, several subways were constructed; and 30 meter outlets (Dethridge type) were installed to replace old timber non-measuring structures.

Attention was given to the repair of a number of meter outlets, bridges, regulators and subways, while, in several miles of channels, weeds were cut. This latter work was most effectively and economically dealt with by means of a narrow steel weed-cutting saw.

A commencement was made with the provision of a direct supply channel from the Gunbower Creek to the Southern Main Channel in the Koondrook District. This work involved, in addition to some 16 chains of channel, the construction of a combined road bridge and regulator and 2 culverts, all in concrete.

The improvement in irrigation technique, particularly in those districts (Kerang and Tragowel Plains) where it was hitherto well below the attainable standard, has been most marked. In the Kerang District alone, an additional area of 4,000 acres of sown pastures was irrigated during the year, while the increase in this type of irrigated culture in the Tragowel Plains District was 3,720 acres, in addition to an increase of 500 acres sown down to lucerne. Associated with these increases was the reclamation of salt affected land, experimental work on which is being continued under the supervision of Mr. A. Morgan, B.Agr.Sc., an Officer of the Department of Agriculture, whose advice on all matters pertaining to irrigated agriculture is freely availed of and is having a marked influence on the progress effected.

Production of butter fat continues to increase, a record quantity of 1,600 tons of butter being manufactured by the Gunbower Butter Factory, most of the supplies to which are obtained from within the Irrigation District, while the Swan Hill Factory manufactured 667 tons as compared with 527 tons in the previous year. A large proportion of the increase in the latter case is directly traceable to the improved conditions of water supply, inasmuch as the reconditioned state of the main channel supplying the dairying area enabled deliveries of water to be made every fortnight instead of every three and four weeks as hitherto.

The output of dried fruits in the Woorinen area increased from 2,427 tons in 1938–39 to 3,295 tons, but in the Nyah area there was a decrease from 3,575 tons to 3,304 tons. It is significant that the Woorinen area is commencing to enjoy the benefits of a drainage scheme, while the Nyah drainage proposal has not yet progressed beyond the stage noted in the last Annual Report.

Red Cliffs and Merbein Districts.

These districts are administered from the Red Cliffs Centre.

The 1939–40 season proved one of the best so far experienced for dried fruits, as good winter and spring rains fell and excellent conditions prevailed during the drying season.

A record crop of 34,000 tons of dried fruits was harvested compared with the previous record of 33,000 tons in 1937–38.

Six general irrigations were given to the whole area, but volumes of water pumped for this purpose were some 7,000 acre feet less than in the previous year.

The channel system was maintained in a reasonably efficient condition.

Irrigation supplies from the Red Cliffs pumps were continued to a selected area in the Carwarp District to enable settlers to grow fodder in conjunction with their dry farms. About 50 acres were watered and the results so far have proved satisfactory.

Murray Valley District.

The Murray Valley District, which was constituted in October, 1938, had water made available for the first time from the Yarrawonga Weir. The district at present comprises an area of 26,610 acres in the Parishes of Boosey, Cobram, and Yarroweyah, and is supplied through the Cobram No. 1 Main Channel from the Yarrawonga Canal.

The Cobram No. 1 Main has a capacity of 90 cusecs and supplies 28 miles of spur channels. The whole of the channel works in connexion with the supply of water to the Cobram area was completed during the year. Water was first turned into the Yarrawonga Canal on 3rd October, 1939, and a very satisfactory supply by gravitation was made available.

The area of 1,300 acres formerly supplied by the private Cobram Irrigation Company has been taken over and included in the constituted district, and this area, which is laid down in orchards, lucerne, and fodder crops, serves as an indication of the productive capacity of the district. Now that water for irrigation has been made available to a much larger area, very rapid development of the district is anticipated.

A complete survey and investigation of the soil types throughout the district have been made through the co-operation of the Commonwealth Council for Scientific and Industrial Research, the Department of Agriculture, and the Commission, and the information obtained will be of great value as a guide in the future expansion of irrigation in the Murray Valley area.

Careful supervision is being given to the layout of all properties for irrigation, and lectures and demonstrations on the preparation of land for irrigation were well attended by landholders.

A commencement was made with the channel works for the supply of water to the No. 3 Katamatite area, comprising over 36,000 acres, and excellent progress has been made.

The channel earthworks of this area, together with about 4 miles of the No. 2 Strathmerton Main Channel, are nearing completion.

It is expected that water will be available to a considerable portion of the area at the commencement of the forthcoming irrigation season, and that the whole of the works of the Katamatite area will be completed by the end of the year 1940.

Bridges, regulators, culverts, checks, and a siphon (7 feet in diameter and 9 chains in length) and numerous minor structures, all of steel and reinforced concrete design, have been built, involving the use of more than 3,000 tons of cement.

To date 125 miles of main and spur channels have been completed in the whole system, involving the excavation of approximately 2,500,000 cubic yards of earth.

The estimated total cost of the whole system is £900,000, and the expenditure to date has been approximately £360,000, including £35,000 from Unemployment Relief Funds. The maximum number of men employed at any one time has been 350, with a similar number of horses.

A new office for the Commission has been erected at Cobram.

Bacchus Marsh and Werribee Districts.

Water deliveries for the year under review in the Bacchus Marsh District totalled 4,556 acre feet (water rights 3,255 acre feet and sales 1,301 acre feet, including 226 acre feet delivered from the High Level Channel). The total of the water rights apportioned to the district is 3,332 acre feet.

Through the local District Advisory Board, irrigators have repeatedly expressed the need for additional water storage to ensure adequate supplies, and have been advised from time to time of the progress made with investigations carried out by the Commission in regard to possible new storage sites. Pending the provision of additional storage, irrigators in this district are in favour of the adoption of a scheme for regulating the output of water from existing storages.

Maintenance of channels has been carried out with the funds allotted, but more effective work could be carried out if the greater portion of the money allocated could be made available early in the non-watering period.

The construction of water measuring wheels for use in all districts controlled by the Commission is still being carried out at Bacchus Marsh. During the year, 374 large and 90 small wheels were completed and despatched.

At Pykes Creek Reservoir, 45 acres of pine trees, 15 years old, were thinned out, the timber being cut into lengths and sold to cover the cost of the thinning operations.

In the Werribee District, because of the prolonged dry spell, with late summer heat-waves, 11,752 acre feet of water were delivered to irrigators. The total of the water rights apportioned to this district is 8,155 acre feet.

Land in the Werribee District is eagerly sought by market gardeners, and several sales have been effected at prices ranging up to £95 per acre.

Maffra–Sale District.

The Maffra–Sale District was extended to include an area of 7,850 acres, to which water rights totalling 2,150 acre feet have been apportioned. Some idea of the adaptation of this additional area to irrigation may be gained from the fact that, although only 717 acre feet were under the compulsory irrigation charge for the first year, 1,580 acre feet of water were actually used—a tribute to the immediate benefits which landholders received from the extension of the Commission's activities in this district. A further area of 250 acres was reticulated and will be included in the district in the coming season.

There is no doubt that the record season which has been experienced by beet growers in this district is largely attributable to irrigation, and excellent returns were obtained from the 1,750 acres of this crop irrigated.

General.

In addition to the Main Systems and Districts before-mentioned, supplies were made available for the irrigation of limited areas in the Coliban District (8,254 acres), Western Wimmera and Wimmera United Districts (2,519 acres), and Carwarp District (50 acres).

TOWN SUPPLIES.

Coliban System.

During the year, the policy pursued has been directed towards the completion of the new works in course of construction, and the maintenance of existing works.

The more important of these activities included :—

(*a*) The commencement of the laying of a new 27-inch diameter concrete-lined steel welded main from No. 7 Reservoir to Bendigo, a distance of approximately 5¼ miles, to improve the supply to the high levels of Bendigo and Eaglehawk, and an 18-inch duplicate main connecting the reservoirs at Crusoe and Specimen Hill, for a total estimated cost of £41,000.

(*b*) The completion of minor storages at Cockatoo Hill, Lockwood–Marong, Ironstone Hill and Longlea which proved beneficial in the regulation of supplies during the irrigation period. The approximate total cost of these storages was £17,500. Investigations of other sites of a similar character at Sheepwash Creek and Castlemaine are also proceeding.

(*c*) The replacement by reinforced concrete pipes of a number of old timber culverts and worn out steel siphons on the subsidiary channels.

(*d*) The restoration of the revetment walls and counterforts and floor of the pool of the overfall in the bywash of the Upper Coliban Reservoir which were damaged by flood waters, the cost of the work being £2,000.

In addition to the foregoing works, further improvements in the nature of replacements and enlargements to the reticulation systems of Bendigo and Castlemaine, amounting to 4 miles 30 chains, have been proceeded with under Unemployment Relief conditions. Approval has been given for similar works to be carried out at Sailor's Gully and Simpson's Road, Eaglehawk, and Campbell's Creek, Castlemaine, at an estimated cost of £2,050.

In order to meet the steady development in the towns supplied from the Coliban System, extensions and replacements totalling 44 chains of 3-inch diameter fibrolite mains have been effected.

During the year, a Register of all lands in the Coliban District irrigated prior to the year 1938–39 was compiled and future supplies of water for irrigation purposes are to be restricted to those irrigators included in the register. A total number of 1,387 " Authorities to Irrigate ", aggregating 10,469 acres, is in course of preparation and these will be issued before the coming irrigation season.

The lifting of the Bendigo Emergency Water Supply Pipe Line from the Waranga Western Channel at Tandarra to Specimen Hill has been completed and the pipes returned to the districts for which they were originally intended, while the pumping stations have been dismantled and most of the pumps and motors have been transferred for the supply of water to large military camps at Puckapunyal, Bonegilla, and Darley.

Mornington Peninsula District.

In order to ensure a sufficient water supply to the Mornington Peninsula Waterworks District when the extension of reticulation to the Bayside towns from Dromana to Portsea is brought into operation, it was considered necessary to duplicate the 24-inch diameter siphons on the Bunyip Main Race and to enlarge portion of the Cranbourne Pipe Line. Pipes for these works, which had already been purchased, but were on loan for use in the Bendigo Emergency Pipe Line, have now been returned to the district and their installation has been almost completed.

The main line from Bittern Reservoir to Dromana, some of the pipes for which had also been in use at Bendigo, has been completed and the Dromana Reservoir is ready for service.

Contracts for the supply and laying of the main pipe line along the foreshore from Dromana to Portsea have been let, and the line, which is now in course of construction, has been completed as far as Rosebud.

The installation of a 15-inch diameter pipe line from Frankston to the Humphries-road (South Frankston) Reservoir has been completed. Approval has been given for the enlargement of the 8-inch diameter outlet main from this reservoir and it will be replaced by 25 chains of 12-inch diameter concrete pipe.

Extensions to the reticulation in several of the Urban Districts have been carried out during the year.

At the request of the Commonwealth Government, water supplies have been made available to two extensive military camps at Mount Martha, and a commencement has been made on the work of supplying the Royal Australian Air Force Training School at Somers.

Otway District.

Early in the year the final section of the main pipe line, from the Tank Hill Reservoir to the City of Warrnambool, was completed, and the entire length of the 78-mile pipe line from the Arkin's Creek catchment was put into full operation, water being supplied to the City of Warrnambool on the 1st November, 1939. The Commission's Agreement with the Warrnambool City Council provides for the supply of some 214,000,000 gallons of water per annum for a minimum annual payment of £7,000, water in excess of that quantity in any one year being paid for at the rate of 7d. per 1,000 gallons.

Minor extensions to the original scheme have already been carried out, including the laying of a supply main to serve the Allansford Factory of the Kraft Walker Cheese Co. Pty. Ltd., and a small extension in Terang.

Tree planting in the Arkin's Creek catchment and at the Tank Hill Reservoir has been proceeded with satisfactorily.

On the completion of the main works, operations in the district consisted almost entirely of general maintenance of the pipe lines and structures.

Bellarine Peninsula District.

Work on the tunnel to connect the East and West Branches of the Barwon River, commenced during last year, is progressing. The total length of the tunnel will be 1,955 feet of which about half has been driven and the concrete lining in most of this section completed.

The reconditioning of the 54-inch diameter steel siphons on the main inlet channel is being continued. The pipes are being scraped and painted with tar enamel, and in some sections the pipe is being uncovered and placed on concrete piers to reduce corrosion. The completion of this work will add very considerably to the life of this valuable asset.

Temporary military camps, established at Ocean Grove and Torquay, were supplied with water from the district mains.

Some minor extensions were made to the Urban District reticulation systems.

Wonthaggi District.

Supplies to the towns of Wonthaggi, North Wonthaggi and Hicksborough have been maintained satisfactorily throughout the year. Two minor extensions to the reticulation of Wonthaggi have been approved and are now being carried out.

Wimmera–Mallee and other Towns.

The 37 townships whose reticulated water supply systems are operated by the Commission and 5 townships controlled by Waterworks Trusts under the supervision of the Commission received full supplies from the Wimmera–Mallee System during the year.

Of these towns, extensions of mains and remodelling of reticulation layouts were carried out to meet developments at Birchip, Beulah, Ouyen, Rainbow and Ultima and enlargements of urban storages were completed at Chinkapook, Manangatang, Patchewollock and Rainbow.

In the Urban Centres of Red Cliffs and Merbein, extensions of reticulation mains were laid to meet developments of the townships, and a chlorinator was installed at Merbein. A reticulated water supply to a workmen's home subdivision at Cliffside, Red Cliffs, is being installed.

At the towns supplied by the Commission from the Goulburn, Loddon, and Torrumbarry (Murray) Systems, certain water supply improvements were effected. In Corop, the gravity supply from the Waranga Western Main Channel has been improved by the provision of a 10-feet windmill and a 5,000-gallon tank erected on a 16-feet stand on the top of the western bank of this channel. This provision will not only improve the pressure of the town supply, but will also enable water to be made available during the period when the supply has to be shut off from the channel.

In order to ensure the service to the Mitiamo Urban District, 11 miles of the supply channel were remodelled by means of a dragline excavator. This work will also prove a benefit to the landholders in the Loddon United Waterworks District.

At Bacchus Marsh, the new fibrolite pipe mains laid in recent years enabled an efficient service to be given. Certain sections of old mains, totalling 120 chains, were scraped during the year.

DOMESTIC AND STOCK SUPPLIES.

Wimmera–Mallee System.

The 1939–40 watering of this System was carried out in favourable conditions and all demands were met in full. As a result of the previous dry season, the quantities of water held in the Headworks Reservoirs were quite insufficient for requirements, but seasonal rains over the catchments enabled the watering to be commenced without undue delay and also permitted considerable volumes of water to be stored for the 1940–41 watering. As conditions at present are even worse than in 1938–39, the Commission will be faced with a greater shortage of water for the 1941–42 season. It appears that it will be necessary for the watering in that season to be commenced by pumping non-gravitation supplies from some reservoirs to supplement limited flows available by gravitation from other storages. The need for the extension of the headworks of the Wimmera–Mallee System is, therefore, now more urgent than at any previous period, and could be met by the construction of the proposed reservoir on the Glenelg River at Rocklands, near Balmoral, as recommended by the Parliamentary Public Works Committee.

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

During the year, full supplies of water for the irrigation areas adjacent to Horsham and Murtoa were provided for 1,340 acres of orchards, vineyards and market gardens, and for 1,179 acres of permanent pastures and fodder crops.

A commencement has been made with the remodelling of the system which supplies the Quantong irrigation area. The work involves the replacement with a 36-inch diameter concrete pipe, in an improved location, of the existing 27-inch diameter siphon, 50 years old, under the Wimmera River.

About 4½ miles of new channel were constructed to improve the distribution of water by connecting the Murtoa and Bangerang channel systems.

A new meter depot has been established at Murtoa Centre to repair and test, under standard conditions, all urban meters in the Wimmera–Mallee Division.

The installation of this depot will considerably reduce the cost of keeping in efficient order the large number of meters in the various townships.

It is expected that the depot will result in marked savings and that additional revenue will be received as a result of greater accuracy in the measurement of excess water consumption.

Birchip, Wycheproof, Long Lake, Sea Lake, Tyrrell, Tyrrell West, and Tyntynder Districts.

In the above districts, works were confined chiefly to maintenance of existing channels and structures.

Works which were undertaken for the prevention of sand drift into channels comprised—(*a*) the laying of about 2 miles of 24-inch diameter pipes in deep cuttings through troublesome ridges, (*b*) the deviating of some 8 miles of channels on to country less likely to drift, and (*c*) the fencing in of reservations, in sections 3 chains wide, over an approximate length of 6 miles parallel to channels which are subject to more or less constant drift when adjacent land is cultivated. In these reserves, if no natural growth exists, plantings are made of various kinds, the most successful so far being rye corn, which is allowed to re-seed the area and so maintain a permanent cover. This has proved very effective in intercepting sand which would otherwise fill the channel and perhaps block the flowing water.

With a view to effecting some further reduction of sand drift in channels in certain districts, the Commission brought into operation during the year a By-law (No. 3920) enabling it to prohibit the clearing, cultivating or fallowing of land, likely to drift, within one chain of any channel under the control of the Commission.

These measures do not, however, reach the root of the trouble, which can only be overcome at its origin by the proper treatment and cultivation of the land affected.

A new public tank was constructed in Tyntynder District in the Parish of Margooya.

Mallee Districts Generally.

An inquiry was made during the year by the Parliamentary Public Works Committee into the "Position of Settlers on Isolated Holdings in Mallee Districts, with Respect to the Problem of Water Supplies". After hearing evidence from a number of settlers and representatives of the Lands Department and the Commission, the Committee made the following recommendations, viz. :—

(A) That the State Rivers and Water Supply Commission provide water, at no extra charge, to those holdings where the cost of supply is no more than 50 per cent. above the average operating costs in the district concerned.

(B) That a Committee be constituted of representatives of the State Rivers and Water Supply Commission, the Lands Department, and the Department of Agriculture, to determine the just and economical method of dealing with all other existing cases and all cases that may occur in the future, on the basis of—

(1) the provision of an alternative means of supply, such as by artificial catchment or individual pumping ;

(2) the transfer of settlers to a more suitable area for wheat growing, or to an irrigated area ;

(3) the compensation and removal of settlers from wheat growing.

(Waterworks Districts not part of the Wimmera–Mallee System.)

Normanville District.

During the year the second annual watering was carried out in this new district which receives its supplies from the Waranga Western Extension Channel.

The channel system was completed and a number of structures installed to deal with catchment water.

Carwarp, Carwarp Central, Coreena, and Yelta Districts.

Supplies for these districts which are pumped from the River Murray were given as usual. Considerable areas, which have reverted to the Crown and are now leased for grazing, are supplied with water on a sales basis.

Millewa and Millewa Central Districts.

Water for these districts is drawn from the River Murray, a series of pumps being necessary to distribute supplies, which were given in full to all settlers. Crown Lands leased for grazing were also supplied under sales by arrangement.

Works were confined to the general maintenance of the systems.

Walpeup West District.

The public water services of this district comprise 109 bores which have been maintained for this purpose during the year, no new bores having been sunk.

The majority of landholders now have private bores for the supply of their holdings and the demand on the public bores is decreasing excepting in dry years, when it is difficult to cope with the requirements of travelling stock. The public bores were not intended for this purpose and can hardly be expected to meet such requirements.

Werribee District.

The usual supplies of water for domestic and stock requirements were provided in this district.

Additional areas of rateable land have been acquired by the Commonwealth Government, and the question as to the advisability of excising these portions from the district, thereby reducing the annual distribution costs, is receiving the consideration of the Commission.

PUMPING.

The main pumping stations operated by the Commission are those situated on the River Murray to provide water supplies to the important irrigation districts at Red Cliffs, Merbein, and Nyah and to the Millewa, Carwarp and Coreena Waterworks Districts. In addition, there are numerous plants used for pumping supplies for other districts and for many townships.

The main construction work undertaken during the year was on the continuance of operations for the electrification of the old steam-operated pumping plant for the Merbein Irrigation District near Mildura, the main power centre being the Red Cliffs Pumping Station. This change-over was planned to be carried out in three stages as detailed in the last Annual Report. The first and second stages were completed last year and work on the third or final stage is proceeding. On this stage an additional large water-tube boiler has been installed at Red Cliffs and the foundations for the last 600 H.P. motor at Merbein are well advanced. This motor is being imported from England and delivery is expected late in July, 1940. All materials for the pump and new suction mains are on the site. Tenders for the final turbo-alternator for installation at Red Cliffs have been received and are now under consideration.

To secure the Nyah Irrigation District against a possible failure of water supply, the installation of a new complete steam-driven unit of 48 cusecs capacity was approved, and this plant is now in course of erection in the pumping station on the River Murray. Certain items, including a new water-tube boiler, centrifugal pump, and steel framework for buildings, have been let under contract. The main power unit, a triple expansion high speed engine of 700 H.P., will be transferred from Merbein where it has been replaced by an electric motor. This unit will be thoroughly re-conditioned before installation at Nyah. Foundations and general erection of buildings are in hand and about 30 per cent. completed. When this new plant is in operation the old plant of 42 cusecs capacity will be maintained as a spare unit to meet contingencies. The new plant should be ready for load about January, 1941.

MURRAY WORKS AND MAIN STORAGES.

Murray Works.

Hume Reservoir.

In connexion with the additional works being carried out at this reservoir, typical samples of the earth in the main embankment were obtained and tested in the Commission's laboratories at the works and in Melbourne. For the placing of stone filling on the upstream face of the embankment a quantity of plant was ordered, including power shovels, motor trucks, pontoons, hopper barges, towing launches, workshop machinery and quarry plant. All this plant with the exception of the power shovels is on the works. The amount of stone filling placed during the year was 10,500 cubic yards. The quarry has been opened out and the roadway to the dam completed.

General maintenance was carried out on all parts of the embankments.

Yarrawonga Weir.

The spillway gates, sluice gates, and operating gear for both the New South Wales and Victorian systems were completed, tested, and the contracts finalized. The gates and overhead machinery were painted, the operating gear fitted with covers, and enclosed stairways were installed. These works completed the spillway structures.

The weir was put into operation on 17th July, 1939, and was at full supply level on 12th August, 1939.

The spillway gate system functioned satisfactorily and maintained the desired water level throughout the year. The offtake regulator was completed and was operated to pass irrigation requirements for the Cobram section of the Murray Valley system.

Flood waters in September, 1939, caused some scouring along the downstream toe of the embankment. Repairs were effected and a deflecting stone groyne constructed to prevent a repetition. Stone beaching downstream of the spillway was repaired and extended.

General works included the erection of hand railing over the spillway and embankment.

Road deviations and alterations to the drainage system of Mulwala township in New South Wales were completed. The roadway across the embankment was formed and gravelled.

A ceremony was held at the works on 27th October, 1939, by the residents of Yarrawonga to mark the completion of the construction of the weir.

Weirs and Locks—Torrumbarry and Mildura.

General maintenance was carried out at these works. The trestle weirs at each of these structures have been in the river regulating the flow since the beginning of 1940.

At Torrumbarry Weir, the trestle which was carried downstream and damaged in the flood of March, 1939, was recovered and repaired. A design was completed of steel trestles to replace the existing timber closing-trestle at the right abutment of this weir, and the operation of the structure will be facilitated by this improvement.

Main Storages.

Coliban Storages.

Lauriston Reservoir.

A description of this work was given in the last Annual Report. Work proceeded throughout the year on the excavation of overburden and rock in the foundations of the dam. To date 5,800 cubic yards of overburden and 11,700 cubic yards of rock have been excavated.

By January, 1940, the erection of all construction plant and the diversion of the river by means of steel and timber coffer dams were completed. Concreting of the first buttresses in the river commenced on 1st February, 1940, and by 30th June, 1940, work was proceeding on six buttresses. Good progress was made, the concrete placed to 30th June, 1940, being 10,500 cubic yards.

A portion of the permanent 30-inch outlet pipe line through the dam was installed and trash racks were built to protect the outlet valves.

In August, 1939, the construction of the earthen embankment across a saddle in the hills to the west of the main structure was commenced. Particular attention was given to the consolidation of the clay and earth fill, and by the end of June, 1940, the bank was within 6 feet of its completed crest level. The quantities of concrete, earth and stone beaching placed were 400 cubic yards, 14,500 cubic yards and 1,235 cubic yards respectively.

Contracts were let for the supply of sand and stone, tamping roller, outlet regulating valves, outlet pipes and cone valves, and it is expected that work will be sufficiently advanced to enable water to be stored during the winter of 1941.

The area to be submerged was cleared of timber, which has been used for camp firewood.

The number of men employed on 30th June, 1940, was 235.

Malmsbury Reservoir.

The installation of the movable steel crest gates, described in the last Annual Report, to increase the capacity of the Malmsbury Reservoir has been completed, and the reservoir is available to store the additional 2,100 acre feet of water. The total capacity is now 14,400 acre feet.

The works were carried out under Unemployment Relief conditions, and the average number of men employed was 45.

Upper Coliban Reservoir.

Floods of 1939 caused considerable damage to the energy dissipator pool in the spillway channel. One of the buttresses and a considerable portion of the floor were destroyed. This damage has now been repaired, 342 cubic yards of concrete having been placed.

Repairs were carried out to the walkway over the spillway and the floor of the bywash was grouted.

GOULBURN STORAGES.

These consist of Eildon Reservoir, Goulburn Weir and Waranga Reservoir. These works have been carefully maintained, and are in a satisfactory condition.

At Goulburn Weir the gates and gearing were overhauled. A scour in the river below the weir is receiving attention.

At Waranga Reservoir a further section of the back face of the embankment was trimmed, resoiled and planted with grasses.

WIMMERA STORAGES.

These storages comprise Wartook Reservoir, Fyans Lake, Lake Lonsdale, Pine Lake and Taylors Lake.

As far as funds permitted, the works generally have been well maintained during the year. The new outlet gate at Wartook operated satisfactorily. At Taylors Lake and Pine Lake, additional funds are required to bring the works to a satisfactory standard.

Repairs were carried out to the outlet valve system at Lake Lonsdale.

GLENMAGGIE RESERVOIR.

The drainage system has been overhauled and general maintenance carried out.

LAANECOORIE RESERVOIR.

Two spillway gates have been repaired, the back of the bank resoiled and repairs to the concrete bywash carried out. The works have been well maintained.

WERRIBEE AND BACCHUS MARSH STORAGES.

Operations at the Melton Reservoir and at Pykes Creek Reservoir and Tunnel were confined to minor works and general maintenance.

LITTLE MURRAY WEIR.

General maintenance was carried out but extra funds are required to bring this structure to the desired standard of efficiency.

INVESTIGATION AND DESIGN OF NEW IRRIGATION AND WATER SUPPLY PROPOSALS.

The activities of the Investigations and Designs Branch have been extended during the year, and have embraced investigations for the further economic development of the existing water supply systems, and the design of dams for new storages, as well as of diversion works, while progress has been made on the comprehensive investigation of the water resources of the State.

Brief descriptions of the more important of these activities are given in the following pages.

Castlemaine Water Supply.

Alternative proposals to the Golden Point Reservoir enlargement, for the improvement of the water supply to Castlemaine, were considered, and a design for a concrete-lined excavated basin at Kalimna Point, Castlemaine, was prepared. The capacity of this basin is 1,000,000 gallons, and it is to be supplied from the Golden Point to Castlemaine pipe line at Duke-street, by means of a 12-inch concrete lined steel pipe. The site was chosen with a view to the possibility of an additional storage basin and a filter plant being provided at a later date.

Otway Waterworks District.

A topographical survey was completed of the Arkins Creek catchment area, and a site for a storage reservoir has been located for the possible future supplementing of the supply to the Western District towns now fed from diversion weirs constructed on the creeks in this watershed.

Glenelg River Development—Rocklands High-level Scheme.

The increasing demands for water supplies from the existing resources to meet the requirements of the Wimmera and Mallee districts, have made it imperative that consideration be given to the development of the upper Glenelg River catchment.

With a view to augmenting the existing storage facilities, it is proposed to divert water from that river into Taylors Lake by means of a channel via Barton Swamp, converting this latter natural depression into a subsidiary storage, and to construct a main reservoir on the Glenelg River itself in the vicinity of Balmoral.

While the Rifle Butts site, the first selected for investigation, presented certain favourable aspects, continued examination by shaft sinking disclosed that suitable foundations were not to be encountered at economical depth over the greater portion of the site.

At the Rocklands site, about 10 miles upstream, however, most favourable conditions were met with, a formation of dense porphyritic rock extending over the whole of the dam site, close to the surface, constituting good foundation material.

Preliminary designs were prepared for a storage reservoir of 264,000 acre feet capacity.

A channel fed from this reservoir, at a higher level than that supplied by diversion direct from the Glenelg River at Balmoral, showed considerable saving, the route being shortened by carrying the channel through a tunnel, thereby cutting off some 14 miles of river below the dam site and reducing the length of the channel itself by about 10 miles.

A report of the alternative Rocklands high-level scheme was prepared for presentation to the Public Works Committee, which has recommended that the works be carried out at an estimated cost of £874,000.

Final location was decided upon, and the engineering surveys partly completed. The detailed designs of the dam, channel and structures are in course of preparation.

Mornington Peninsula District.

Dromana–Portsea Extension.

The extension of the Mornington Peninsula scheme, to supply the towns bordering Port Phillip Bay from Dromana to Portsea, was further advanced.

Plans for the main supply pipe and reticulations of the several towns were completed, and alternative designs for the storage basins for Sorrento and Portsea were prepared.

A concrete lined excavated tank of 800,000 gallons capacity proved to be the most advantageous for Sorrento. Designs were completed, and the work is now in course of construction.

Bunyip–Beaconsfield Aqueduct.

Plans were prepared for the regrading of the diversion channel from the Bunyip Weir to the Beaconsfield Reservoir, in connexion with the increased inflow to that storage.

Bittern Reservoir.

Designs were completed for an outlet control tower at the Bittern Reservoir for regulating the supply to the Bittern–Dromana–Portsea Extension.

BELLARINE PENINSULA DISTRICT.

Birregurra Township Water Supply.

A report was prepared on the proposed water supply for Birregurra, and alternative schemes for the conveyance by pipe and channel of water from the existing channel above the Pennyroyal Creek siphon to the storage site were considered.

RIVER MURRAY WORKS.

Hume Reservoir—Embankment.

The investigation into the stability of the Hume Reservoir Embankment was continued. A soil mechanics laboratory was constructed and equipped with soil-testing apparatus, some of which was imported from overseas and some was manufactured locally to the Commission's own design. Boring of the embankment was commenced, and a series of tests carried out on samples of the earth fill.

In this connexion, studies of the latest developments in the science of Soil Mechanics have been continued, and an analysis made of the test results in their relation to the stability not only of the Hume Embankment, but of Earth Dams in general.

The establishment of this Soil Mechanics Laboratory at the Hume Reservoir has already enabled valuable knowledge to be gained for application by the Investigation and Designs staff to the design of such dams.

As a result of these analyses, recommendations for the placing of additional rock fill on the Earth Dam at Hume Reservoir can be made, and interim reports embodying such suggestions have been prepared.

Hume Reservoir—Increasing Capacity.

Preliminary investigation into the cost of increasing the capacity of this reservoir to 2,000,000 acre feet has been made. This would involve the raising of Bank No. 2, and constructing Bank No. 3 on the western side of the reservoir, and the protection of the main embankment above the level of the existing upstream slab.

An aerial survey has been made of the township of Tallangatta for the purpose of ascertaining the extent of the encroachment of a raised full-supply level within the township boundary.

WATER RESOURCES INVESTIGATIONS.

Werribee River Basin.

The question of the provision of additional storages in the Werribee River basin to safeguard the Werribee and Bacchus Marsh Irrigation Districts in their present state of development has been further considered, and surveys made of possible storage basins on the Lerderderg River at Blackwood and Darley, on Goodman's Creek near its junction with the Lerderderg, and at Cobbledick's Ford and Vollant's Road on the lower Werribee River.

After geological investigation of the respective sites, foundation conditions were investigated by shafts and bores, and samples of materials taken from selected areas in the vicinity of the dam sites. These samples have been tested with a view to determining their suitability.

Contour surveys of the actual dam sites have been made in each case to enable designs to be prepared for comparison.

A design for a dam on the Lerderderg River near Darley is at present being prepared.

Loddon River.

The waters of the Loddon River were first made use of in about 1882, when domestic and stock supplies were made available by the Loddon United Waterworks Trust, the water being diverted at the Bridgewater and Kinypanial Weirs. Irrigation districts were later constituted, under the control of Trusts, which constructed diversion works to provide these supplies. The State Headworks at Laanecoorie were constructed in 1891, and rapid development took place in the irrigation districts. By 1894 there were 4,660 acres under irrigation, and the areas were extending. Development of irrigation in the Boort District, utilizing Loddon River water only, continued until 1923, when Goulburn River water was made available by the extension of the Waranga–Western Channel to the Loddon River, a distance of 98 miles from Waranga Basin.

With the further extension westward of this channel in 1929, considerable quantities of Loddon River water have been made available for domestic and stock supplies in the Wimmera–Mallee areas. It is with a view to the better utilization of the Loddon River water for irrigation and the increasing of the contribution of that river to the Wimmera–Mallee and Normanville domestic and stock supplies that the investigation of the water resources of the Loddon River is being undertaken.

To enable a more effective use to be made of the fluctuating flows of the Loddon River, the provision of increased storage is required. Possibilities of storage which have been considered are :—

(*a*) The diversion of Loddon River water to a storage in a natural basin near Boort, known as Woolshed Swamp.

(*b*) Additional storage on the river, above Laanecoorie.

Proposals for the conversion into a storage basin of the Woolshed Swamp, comprising a depression of 1,200 acres (situated about $3\frac{1}{2}$ miles south of Boort), have been investigated and estimates prepared.

The works necessary would include the construction of embankments to impound 58,000 acre feet of water ; the conversion of the existing drop-bar control at the Loddon Weir, at Janiember West, to mechanically-operated sluice-gate control ; the construction of a diversion channel to the Woolshed Swamp, involving the enlargement of the existing Waranga–Western Channel; and the construction of inlet and outlet works. The investigation showed that the cost would be almost prohibitive in relation to benefits which would be derived, and alternative possibilities along the Loddon Valley are being investigated.

In extending the investigation to the possibilities of additional storage on the main stream, several sites have been examined, and surveys are at present being carried out at Cairn Curran and Baringhup. A geological investigation is being made in connexion with the design of proposed dams at these sites on the Loddon River.

Avoca River.

An investigation into the possibilities of the conservation of water in the Avoca River is in progress.

Numerous sites along that river have been examined, and surveys in the vicinity of Gavoc East are being carried out to determine the suitability of this locality for a storage.

Goulburn River.

The possibility of constructing a storage in the Goulburn River at Mitchellstown, at approximately the upstream extremity of the Goulburn Weir Backwater (Lake Nagambie), is being considered.

Surveys are at present being carried out between Seymour and the proposed dam site.

River Murray.

A comprehensive investigation is now being carried out by the Commission into the question of the utilization of the Victorian proportion of the waters of the River Murray.

MURRAY VALLEY IRRIGATION DISTRICT.

Investigation and designs. involving the drawing of some 279 plans, have been completed for the layout of channels required to serve a further area of 46,473 acres in the Murray Valley Irrigation Scheme.

This section comprises the balance of the No. 1 (Cobram) area, portion of the No. 2 (Strathmerton) area, and the whole of the No. 3 (Katamatite) area, and the channel design provides for 93½ per cent. of the total area to be commanded by gravitation.

The following information in relation to these areas and channels shows the amount of design work involved :—

System No.	Area (Acres).	Channels (Length in Miles).	Capacities (Cusecs).	Earthworks (Cubic yards).	Structures (Number).	Estimated Cost.
						£
Part No. 1 (Cobram)	2,879	5½	16–10	25,100	55	5,806
Part No. 2 (Strathmerton)	6,149	9½	600–10	322,469	77	38,920
No. 3 (Katamatite)	37,445	59½	130–10	642,000	412	85,300
Totals	46,473	74½	600–10	989,569	544	130,026

As a result of investigations, the standardization of each of the main classes of channel structures, viz., Spur Offtake Regulators, Checks and Drops, Culverts, Combined Structures, and Measuring Devices, has been completed, and as an outcome of this work the number of types within each class has been reduced to a minimum, thus enabling a considerable saving to be made in the costs of structures for the Murray Valley Scheme.

Military Encampments.

The rapid expansion of the Australian Military Forces during the past year necessitated the establishment of a number of new camps to accommodate recruits for both the A.I.F. and the Home Defence Forces. Camps for internees have also been established.

Many of the water supplies to these camps have been provided through the Commission's organization, initial contour surveys being made by its surveyors, reticulation plans subsequently prepared, and contracts let for pipes and storage tanks. Most of the work has been done by day labour under the supervision of officers of the Commission.

Water supplies dealt with by the Commission include the Seymour Militia Camp, the A.I.F. Camps at Puckapunyal, Bonegilla and Darley, and the Tatura No. 1 Internment Camp. The reticulation to the Seymour Old Camp was reconstructed and the Southern Command School, close to Seymour Old Camp, was supplied from the Seymour Waterworks Trust's main.

In the hutted camps, viz., the Seymour Command School, the three A.I.F. Camps, and the Tatura Internment Camp, provision was made for fire-service in addition to the ordinary water supply requirements.

In providing pumping units for these camps the Commission was fortunate in having six pumps from the Bendigo Emergency Pumping Scheme available. At short notice these pumps were altered and put into operation at Puckapunyal, Bonegilla and Darley Camps.

Complete sewerage and sewage treatment works were constructed at the Puckapunyal A.I.F. Camp and the Tatura Internment Camp. At Bonegilla and Darley it was decided to provide underground drainage schemes to deal with sullage waters only, but these schemes may later be incorporated in complete sewerage systems.

Miscellaneous.

Goulburn Division.

A design of a bridge and outfall for the Rodney Main Drain at Wells Creek was prepared; also of a siphon on Congupna No. 1 Channel under O'Keefe's Creek Drain ; and of a regulator at Yambuna Outfall. A concrete flume was designed to replace No. 2 structure on the Goulburn–Waranga Channel.

General.

Counters and recording apparatus for " Dethridge " water meters have been designed to permit of the use of equipment of Australian manufacture.

WATERWORKS TRUSTS UNDER SUPERVISION OF COMMISSION.

The year under review has been marked by widespread activity in the construction of waterworks by Local Authorities, of which there are now 133, including 116 Waterworks Trusts and 17 Local Governing Bodies.

As the result of the action of the Government in continuing to grant financial assistance on a liberal basis to enable desirable improvements and extensions to be made to existing town water supply schemes and to facilitate the installation of new schemes, many such works have been constructed or are now under construction, while a number of Local Authorities are preparing detailed plans and specifications.

Under this scheme, grants were allocated to 41 Waterworks Trusts and Local Governing Bodies during the year, making the total Authorities to benefit now 86. No less than 42 of these Authorities commenced the construction of works during the year, and of these many have been completed together with works which were commenced in the preceding year. However, owing to the war situation, the commencement of all further works has been deferred pending examination of the position by the Federal Co-ordinator of Works.

The **First Mildura Irrigation Trust** lined with concrete further lengths of the main channels to reduce leakage losses and damage to lands, and also constructed main drainage works in the new Koorlong Drainage Area.

The **Ballarat** Water Commissioners continued the installation of new pipe mains to provide an increased supply to the higher portions of the city.

The Colac, Euroa, Myrtleford, Nhill, Riddell's Creek, and **Sunbury** Waterworks Trusts undertook improvements to their main pipe lines, with the object of increasing the supplies to the respective towns.

The **Donald** and **Trentham** Waterworks Trusts are constructing additional storage reservoirs to enable increased supplies to be maintained during summer periods.

The **Drouin** Waterworks Trust has constructed a new reservoir and installed new pipe mains to enable an increased supply of improved quality to be maintained to the town and butter factory.

The recently constituted Waterworks Trusts at **Foster** and **Lismore** are constructing the works to supply these towns with water.

The **Hamilton** Waterworks Trust is replacing the remaining section of its main pipe line with larger pipes, thus providing for the development of the town.

The **Lorne** Waterworks Trust is enlarging its main pipe line from the Erskine River and is carrying out extensive improvements to the reticulation to provide for the increasing demand in the town, particularly on the higher levels and at North Lorne.

The **Marysville** Waterworks Trust has installed a new offtake weir at a higher level on the Steavenson River with a new main pipe line to the town, thus providing an increased supply and enabling higher levels to be supplied.

The **Portland** Waterworks Trust has added to its borehole pumping plant, and has installed new mains and a stand-pipe to supply South Portland.

The **Tatura** Waterworks Trust constructed an additional storage basin and carried out improvements to the reticulation to improve the available supply during periods of peak demand.

In many towns the reticulation systems were extended and improved by the installation of larger mains, pumping plants were increased in capacity, and other works of improvement were carried out. Such improvements were undertaken at **Ararat, Bairnsdale, Beaufort, Boort, Charlton, Cobram, Elmore, Leongatha, Maffra, Merrigum, Moe, Morwell, Port Fairy, Rutherglen, Shepparton, St. Arnaud, Swan Hill, Trafalgar, Traralgon, Violet Town, Wahgunyah, Wangaratta, Warburton, Warragul, Wedderburn,** and **Woodend.**

Plans and specifications have been completed, or are in course of preparation, for proposed improvements to works at Apollo Bay, Benalla, Coleraine, Corryong, Dunolly, Echuca, Healesville, Hepburn, Korumburra, Maryborough, Mildura (Urban District), Orbost, Rochester, Tungamah, Warrnambool and Yarrawonga, while investigations were made in connexion with proposed new town supplies at Cowangie, Dunkeld, Glenthompson, Willaura and Underbool.

TOTAL STORAGES IN STATE.

In 1902 the total capacity of storages in the State was 172,000 acre feet. The present capacity is 1,963,200 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 completed (involving further approval of the interested State Governments), and the Lauriston and Glenmaggie Reservoirs are completed, the combined capacities of Victoria's storages will be 2,399,700 acre feet.

EXISTING STORAGES.

Storage.	Capacity in Acre Feet.			Full Supply Reduced Level.	Capacity.	
				Feet.	Acre Feet.	Acre Feet.
Goulburn System—						
Eildon				823·00	306,000	
Goulburn Weir				408·00	20,700	
Waranga				398·00	333,400	
						660,100
Murray–Loddon System—						
Hume Reservoir	1,250,000			606·00 (*a*)		
Yarrawonga Weir	95,120			412·80 (*b*)		
Torrumbarry	28,900		River Murray Works.	285·00 (*c*)		
Euston	31,320		Half share to Victoria	159·00 (*c*)		
Mildura	29,360			116·00 (*c*)		
Wentworth	38,140	1,472,840		104·15 (*c*)	736,420	
Kow Swamp				272·00	40,860	
Laanecoorie				527·00	6,650	
Kerang North-West Lakes—						
Third, Middle, Reedy				244·75		
Kangaroo, Racecourse, Charm				241·00	69,400	
Cullens				240·25		
Lake Boga				226·50	29,650	
						882,980
Wimmera–Mallee System—						
Fyans Lake				673·00	17,100	
Lake Lonsdale				618·25	53,300	
Wartook				1,500·00	23,800	
Taylors Lake				482·33	30,000	
Pine Lake				475·00	52,000	
Green Lake				452·50	6,600	
Dock Lake				442·00	4,800	
Moora				723·50	5,100	
Lower Wimmera Weirs				..	2,870	
Batyo Catyo (Avon Regulator)				402·00	5,000	
Lake Whitton				375·00	1,300	
Township Reservoirs and Mallee Tanks				..	6,400	
						208,270
Maffra–Sale System—						
Glenmaggie				244·00	104,500	
Stratford Service Basins				..	20	
						104,520
Coliban System—						
Upper Coliban				1,652·00	25,700	
Malmsbury				1,477·00	14,400	
Spring Gully				899·00	2,000	
Subsidiary Reservoirs				..	4,700	
						46,800
Werribee System—						
Pykes Creek				1,306·00	21,000	
Melton				273·00	19,100	
						40,100
Bellarine Peninsula System—						
Wurdee Boluc				441·50	10,000	
Service Basins				..	760	
						10,760
Mornington Peninsula System—						
Lysterfield				221·50	3,400	
Beaconsfield				340·00	740	
Frankston				255·00	660	
Mornington				244·00	260	
Bittern				250·00	480	
Service Basins				..	260	
						5,800
Otway System—						
Service Basins				..		1,080
Miscellaneous—						
Eppalock				530·00	1,200	
Wonthaggi				238·00	1,550	
Wonthaggi Service Basins				..	10	
Newstead				806·00	30	
						2,790
Total capacity of existing Storages				..	..	**1,963,200**
ADDITIONAL STORAGE BEING PROVIDED BY WORKS IN COURSE OF CONSTRUCTION.						
Coliban System—						
Lauriston				1,566·00		16,000
FURTHER STORAGE WHICH COULD BE PROVIDED BY COMPLETION OF EXISTING WORKS.						
Maffra–Sale System—Glenmaggie to 150,000 acre feet				255·00	45,500	
Murray System—Hume Reservoir to 2,000,000 acre feet (half share to Victoria)				626·00	375,000	
						420,500
Total capacity of Storages when works are completed				..	..	**2,399,700**

(*a*) One foot below New South Wales Standard Datum.—(*b*) New South Wales Water Conservation Datum.—(*c*) River Murray Lock Site Datum. All other levels are to Victorian Railways Datum.

DRAINAGE AND FLOOD PROTECTION.

Drainage Districts.

Works for the drainage of irrigated lands have been continued. In the Rodney District, 7 miles of main drains, as well as many structures, were installed. In Shepparton, 7 miles of minor drains were constructed or remodelled and 1¾ miles of the Marionvale Main Drain completed. In Rochester, 4 spur drains on one extension of 3 miles were constructed, and the Main Nanneella Drain was redesigned and enlarged, 3 miles having been completed to date. This system has been overhauled and improved and 93 drainage inlets have been constructed. At Tongala, 5½ miles of new drains were completed, while a dragline excavator has been continually employed cleaning out the main drains.

Work is proceeding on drainage works for the Riverslea area in the Maffra–Sale District.

In all of these drainage districts maintenance operations have been carried out, and, as in the irrigation districts, this work has been increased as the result of the winter floods. The construction of concrete inlets into the drains will materially reduce the siltation of the drains.

In the Kerang East Drainage District, maintenance work was carried on, 15 miles of drains being cleaned out, and silt and weeds removed by means of a dragline excavator.

The reconditioning of drains in the Cohuna Drainage District was further advanced, some 17 miles being completed, making a total of 64 miles of drains which have been deepened and regraded to afford adequate drainage facilities to holdings.

With the exception of a few minor works, the Woorinen drainage system at Swan Hill was completed by the construction during the year of 4 miles of sub-surface drains and 8 miles of open cut drains, together with the necessary structures. Two dragline excavators were engaged on the earthwork portion of the scheme. A commencement has been made with the extension of the Woorinen drainage system to serve an adjoining area of 380 acres, known as the Murrawee area.

In the Tresco area, re-conditioning of the drainage system was carried out, approximately 8 miles of main drains having been deepened and regraded, and 40 chains of sub-surface pipe drains laid.

The sub-surface drainage systems installed in the Red Cliffs and Merbein Districts have operated efficiently since their installation and have proved of great benefit to the areas served. The general improvement, as a result of the construction of these systems, is such that many areas previously affected by seepage are now being replanted.

In the Werribee Drainage District, all drains were effectively maintained and the system functioned satisfactorily throughout the year. An additional 46 chains of drain to connect the Research Farm of the Commonwealth Council for Scientific and Industrial Research to the Main Drain were constructed at the cost of that Council.

Flood Protection Districts.

Kooweerup and Cardinia.

In the Cardinia District the work of remodelling the existing Cardinia and Toomuc Drains for respective distances of 2¼ and 2½ miles upstream from the "V" Junction has been completed and similar work is now in progress for the improvement of the old Toomuc Catch Drain.

In the Kooweerup District the construction of the Western Levee Bank of the proposed Yallock Outfall has been completed for a distance of 1½ miles from Western Port Bay. In connexion with this Outfall two large concrete bridges have been erected at the South Gippsland Highway, where the required road alterations within the floodway have also been effected.

The outlet of the North West Main Catch Drain has been improved, and the enlargement of this important drain is now in progress.

During the year, in the two districts approximately 140,000 cubic yards of earthwork were removed, for the most part by three mechanical excavators, and other work, including bridge construction, clearing, fencing, roadwork and concrete work, was carried out.

Maintenance work has comprised repairs to 15 bridges and structures; the cleaning and regrading of drains for a total distance of 138 miles; and the treatment of noxious weeds and vermin along some 34 miles of drainage reserves.

Privately owned suction plants, operating under an arrangement with the Commission, have removed about 19,000 tons of coarse clean sand from the Kooweerup Main Canal and about 18,000 tons from the Cardinia Drain during the year. To date the total output of sand from the Kooweerup Canal is approximately 386,000 tons and from the Cardinia Drain approximately 27,000 tons.

Carrum.

Additional protective work, consisting of timber sheet piling and stone beaching, has been carried out along the northern bank of the Patterson River at Carrum, and this bank of the stream is now reasonably secure against the erosive action of flood and tidal waters.

General maintenance work has comprised minor repairs to structures and the cleaning out of drains totalling about 39 miles in length.

Since the default of the local Trust many years ago, the Carrum District has been controlled and managed successively by the Auditor-General and the State Rivers and Water Supply Commission. The administration of the Trust District in these circumstances is a very difficult problem, which has led the Commission to prepare a comprehensive report on the Carrum Swamp Lands, giving the history of the Carrum Waterworks Trust, with a view to convening a conference of representatives from all the interested Municipalities to discuss the whole matter.

Loch Garry.

The flood protection works of this district proved of great value in minimizing, within the boundaries of the district, the effect of floods from the Goulburn River during the year. Some damage was caused to the levee banks but little or no damage was done to the main work.

Kanyapella.

In this district a record flood at Echuca caused breaks in the old private levee system adjoining the Commission's works, resulting in the flooding of the whole area within the Flood Protection District and subsequent damage to the main embankment in the Warrigal Creek. The level of the water within the district topped the embankment at Warrigal Creek but, apart from some minor scours, the damage was not serious. Repairs were carried out and the embankment topped up and widened. Landholders carried out repairs to the protecting levees not under the control of the Commission.

SEWERAGE.

There are now 38 Sewerage Authorities in country centres, and schemes are in operation in 17 Sewerage Districts.

Of the 3 sewerage schemes under construction at the beginning of the year, the principal sewerage works at **Warracknabeal** were completed and houses are now being connected to the sewers, while at **Kyneton** and **Warragul** the construction of the main schemes is nearing completion.

Following the action of the Government in granting financial assistance on a liberal basis to facilitate the installation of sewerage schemes in the small country centres, the construction of works has commenced in 9 more towns, namely, **Dimboola, Kyabram, Maffra, Mornington, Morwell, Murtoa, Nhill, Portland,** and **Yarrawonga.**

Detail surveys have been completed in the case of the remaining 9 Sewerage Authorities, and for most of these schemes the final plans and specifications have been prepared or are nearing completion.

However, during the latter part of the year under review, owing to the increasing gravity of the war situation, requiring the conservation of all resources for war purposes, 7 of these Authorities were advised to suspend operations, as approval to their borrowing the necessary funds could not be recommended. These 7 centres in which the construction of works has been deferred comprise **Euroa,** where tenders had been received for construction of works, **Yarram,** where final plans had been prepared, **Beechworth, Lorne, Sale** and **Wodonga,** where substantial progress had been made with the preparation of final plans, and **Werribee,** where the detail survey had been completed.

The **Leongatha** and **Traralgon** Sewerage Authorities are completing final plans for works to meet the cost of which funds have been borrowed, but the commencement of construction will be dependent on the decision of the Federal Co-ordinator of Works.

The **Ballarat** Sewerage Authority constructed further extensions to the sewer reticulation and has also completed designs for the sewering of North Ballarat, but the construction of this major extension has been deferred owing to war conditions.

During the year under review, this Commission, on behalf of the Commonwealth, undertook the design and construction of works for the sewering of the **Puckapunyal Military Camp** and the **Tatura Internment Camp.** These urgent defence works, which were also designed to relieve unemployment, were carried out partly by day labour and partly by contract. The construction of works at Tatura has been completed and the scheme is about to be put into operation, while at Puckapunyal the main works are practically completed and will be in operation, it is anticipated, early in August, 1940.

A draft was prepared for Regulations with respect to the health and safety of persons employed in sewerage excavations. These Regulations were a direct result of the *Amending Sewerage Districts Act* 1938. The draft was prepared by a Committee consisting of one representative each from the State Rivers and Water Supply Commission, the Mines Department, and the Melbourne and Metropolitan Board of Works, the Commission's representative acting as Chairman. A technical secretary for this Committee was also appointed from the Commission's Staff.

RIVER IMPROVEMENT, CONTROL AND GAUGINGS.

Works.

From the Rivers and Streams Fund, 85 grants totalling £10,000 were made to Municipalities and other Authorities during the year, towards the cost of works for removing obstructions from streams and protecting beds and banks from erosion. From 1930, when the Fund was established, until 30th June, 1940, the number of grants approved has been 508 and the total amount granted, £78,000. Rentals for river frontage licences paid into the Rivers and Streams Fund during the year amounted to £9,800.

Two interesting works for river control were undertaken during the year. One was on the Avon River at Stratford, where erosion of the river bank was threatening the railway bridge. Six groynes of stone in wiremesh, with aprons of similar material, were constructed from the eroding river bank to a new channel cut in the river bed. About 30 chains of the steep cliff-like bank were battered down and sown with grass, green willow poles being layered up the lower half. The total cost was £3,400.

The other work of interest was to check an erosion which threatened to turn the River Murray into the lower effluence of Wodonga Creek near Albury, and consists of a steel sheet piling sill, backed with heavy stone, across the creek to stop bedscour, and a deflecting groyne of similar construction in the Murray higher up, to swing the current away from the creek offtake and induce it to scour out the former river-bed. The expenditure here was about £3,600, half of which was contributed by New South Wales Authorities.

The Snowy River improvement works, authorized under the *Snowy River Works Act* 1938, are complete except for some expenditure on protective vegetation and further removal of silt banks.

The Latrobe River works have also been brought to a successful conclusion, and the river handed over to the Shire Councils concerned for maintenance. Drainage Areas have been constituted for this purpose. During the long sustained high discharge of this river from August to December, 1939, the improved carrying capacity resulting from the works was particularly noticeable.

The survey of the Thomson River was completed, but, owing to shortage of the necessary technical staff, surveys of rivers for general improvement works have been held over during the national emergency.

Detailed topographical surveys have now been completed along the following streams and plans lodged for record purposes with the Department of Lands.

No.	Stream.	Length of Valley Surveyed.	No.	Stream.	Length of Valley Surveyed.
		Miles.			Miles.
1	Avon River	17	14	Mitta River	35
2	Bunyip and Tarago Rivers ..	12	15	Murray River (including Ryans Creek, Wodonga Creek and part Kiewa River)	13
3	Cann River	14			
4	Cardinia Creek	12			
5	Fitzroy River	27	16	Ovens River	40
6	Forest and Campbells Creeks ..	12	17	Snowy River	18
7	Fryers Creek	2	18	Tambo River	9
8	Goulburn River	30	19	Tarwin River	33
9	King River	30	20	Toomuc Creek	7
10	Kiewa River	40	21	Thomson River	33
11	Latrobe River	86	22	Yackandandah Creek	16
12	Loddon River	43	23	Yarra River	28
13	Mitchell River	34	24	Woori Yallock Creek	8

Murray Levees.

The Interstate Committee dealt with 5 applications for permission to erect levees along and near the River Murray. These cases included the proposed partial blocking of breakaways from the Murray and Edwards Rivers into the New South Wales forest areas, which breaches cause loss of water and damage to forests. An investigation of a similar problem in the Barmah State Forest in Victoria was also carried out.

Siltation of Reservoirs.

A further inspection of the Eildon Basin indicated that the floods of 1939, following the bushfires, had washed into the Eildon Reservoir an additional quantity of silt, amounting to approximately 1,000 acre feet.

From surveys made in 1930, 1933, 1939 and 1940 it is calculated that the quantities of silt deposited in Eildon Reservoir at the times of such surveys were as follow :—

Date of Survey.	Total Silt Deposit.
	Acre feet.
June, 1930	556
June, 1933	730
February, 1939	1,792
April, 1940	2,713

Mining and Sludge Abatement.

Alluvial mining activity continues, and the Commission, in conjunction with the Sludge Abatement Board, has investigated a number of applications for mining leases in various parts of the State.

Diversion of Water.

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, has been strictly exercised. During the earlier summer months, seasonal conditions and stream flows were favourable to the use of water for irrigation. There was, however, a smaller demand by landholders outside irrigation districts for authority to divert water from streams and other natural sources of supply. Nevertheless, the authorized diversions in force are 2,067 compared with 2,648 for the previous year.

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.

During the first six months of the year, the discharge of streams was generally well above normal, and in the the month of August, 1939, the run-off from the majority of the catchments exceeded the average by more than 100 per cent. Owing to the low rainfall experienced in the latter half of the year stream flow declined considerably and approached drought conditions by the end of the year. For the month of June, 1940, the run-off from the Goulburn and Upper Murray Catchments was approximately 30 and 40 per cent. of the average flow, respectively ; while in the Werribee and Coliban catchments it was only 7 and 3 per cent. respectively.

During the year automatic recording instruments were installed at the gauging stations on the Yarrawonga Canal, Eastern and Western Channels at Goulburn Weir and the Goulburn River at Shepparton. A new gauging station was established on Yellow Creek at Wangaratta. In connexion with an investigation as to the possibility of providing a water supply to lands in Panton Hill and surrounding districts, gauging stations were also installed on Arthur's Creek at Strathewen and Diamond Creek at St. Andrews North. The number of gauging stations in operation is now 53.

It is proposed to establish a gauging station to obtain reliable information as to the discharge of the Campaspe River at Carlsruhe.

IRRIGATION DEVELOPMENT.

The 1939–40 *Season.*

In the report for last year, comment was made on the effect of the dry period which extended from the summer of 1937–38 to the autumn of 1939–40. This was followed by six months in which the rainfall throughout northern Victoria exceeded all records and caused severe local flooding. It had, however, a most stimulating effect on production, thus the Northern Dairy Co. at Tongala produced during the year from 1st March, 1939, to 1st March, 1940, 454 tons of butter as compared to 287 tons during the previous year. This increase was common throughout all irrigation districts.

The wet winter and spring reduced the demand for spring watering and, consequently, the area of cereals irrigated dropped to 33,207 acres, as compared with 84,379 acres in 1938–39 and 65,466 acres in 1937–38. On the other hand, the comparatively dry autumn resulted in an increase in the area of pasture irrigated from 251,629 acres to 310,504 acres, which closely approached the record figure of 326,518 acres of pasture irrigated in 1937–38.

Competitions and Tours of Inspection.

During the year competitions for irrigation farmers such as for areas of lucerne, pasture and fodder crops were continued in various districts, and, in addition, a new type for the farm showing the greatest efficiency in the use and control of water was sponsored by the Commission. These competitions were held in co-operation with the Rochester, Echuca and Boort Agricultural Societies and were of distinct educational value.

Tours of inspection of other irrigation and agricultural areas were arranged for irrigators from the Cohuna and Pyramid Hill districts and were most successful, it being generally considered that this is one of the best means of learning the latest agricultural methods.

Field days were also arranged in co-operation with the Department of Agriculture and local Agricultural Societies at Benjeroop, Pyramid Hill, Kerang, Boort and Rochester.

Preparation of Land for Irrigation.

In the past, difficulty has been experienced by irrigators, especially in new districts, in obtaining the contour plans and other information necessary to enable them to grade their land correctly. The Commission has accordingly arranged to station, in various centres, survey officers who, in addition to carrying out normal survey work for the Commission, will be available at a moderate charge to survey irrigators' holdings, prepare plans for the distribution of water, and generally give advice on the question of the preparation of land for irrigation.

In addition, the Commission during last year organized, in the Cobram centre, demonstrations in grading land for irrigation. These were well attended by district farmers whose lands are included in the new Murray Valley Irrigation District.

Soil Surveys.

The Soil Survey in the Murray Valley District has been finalised in collaboration with the State Department of Agriculture and the Council for Scientific and Industrial Research. These two bodies have also completed the Soil Survey of the Mildura Area and are proceeding with that of the Red Cliffs District.

Investigations are being made, in conjunction with the Department of Agriculture, into the loss of fruit trees in the Shepparton District during the winter of 1939, and also into the cause of seepage in the Maffra–Sale District. Preliminary enquiries are being made as to soil conditions in the Boort District.

Appeal Boards—Registers of Lands.

By an amendment of the Water Act in 1937, provision was made for the appointment of Appeal Boards to deal with appeals against the Register of Lands in the various Irrigation and Water Supply Districts. During last year, Boards were constituted and heard appeals in the Shepparton, North Shepparton, South Shepparton, Katandra, Tongala, Rochester, Calivil, Tragowel Plains and Kerang Districts.

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 1939–40.

Name of District.	Area Irrigated (Acres).								
	Cereals.	Lucerne grown for Pasture and Hay.	Sorghum and other Annual Fodder Crops.	Pastures, Native and Sown.	Vineyards.	Orchards or Gardens.	Fallow.	Miscellaneous.	Total.
Supplied from Goulburn State Works.									
Katandra	..	1,377	70	3,380	..	34	20	..	4,881
North Shepparton	..	2,532	149	5,759	8	261	22	35	8,766
Shepparton	..	542	109	3,881	11	9,044	..	22	13,609
South Shepparton	140	1,137	..	3,170	1	111	10	..	4,569
Rodney	329	17,914	1,319	36,089	250	8,331	349	..	64,581
Tongala–Stanhope	909	9,637	665	20,868	34	1,916	392	..	34,421
Rochester	771	11,018	361	38,916	13	1,618	284	..	52,981
Dingee	90	108	..	3,458	..	16	20	..	3,692
Calivil	603	1,922	104	7,117	..	140	..	..	9,886
Tragowel Plains	8,206	1,731	2,295	37,072	..	43	388	..	49,735
Deakin	14	1,328	42	1,797	..	13	..	..	3,194
Boort	2,077	1,016	1,009	8,163	..	..	1,215	..	13,480
Totals	13,139	50,262	6,123	169,670	317	21,527	2,700	57	263,795
Supplied from River Murray State Works. (*a*) *Torrumbarry Weir.*									
Leitchville	391	861	79	5,881	..	30	3	..	7,245
Cohuna	2,901	2,796	393	33,354	..	186	417	1,698	41,745
Koondrook	2,330	1,634	1,191	17,576	10	906	209	752	24,608
Swan Hill	2,230	4,560	415	7,930	3,273	902	670	..	19,980
Third Lake	589	114	111	1,692	..	6	54	6	2,572
Mystic Park	328	186	25	1,823	24	..	..	..	2,386
Tresco	..	13	36	..	783	298	..	..	1,130
Fish Point	198	130	130	2,527	..	..	..	..	2,985
Kerang	3,013	1,225	1,214	29,176	8	12	198	625	35,471
Dry Lake	100	..	150	490	..	..	..	..	740
Kerang North-West Lakes	424	205	296	2,249	92	363	..	..	3,629
Lands supplied direct (outside Districts)	1,224	2,063	195	6,776	..	137	52	31	10,478
Totals	13,728	13,787	4,235	109,474	4,190	2,840	1,603	3,112	152,969
(*b*) *Yarrawonga Weir.*									
Murray Valley	..	323	85	387	..	573	8	..	1,376
(*c*) *Direct from River.*									
Nyah	34	201	50	35	2,489	154	20	..	2,983
Red Cliffs	..	185	..	148	10,605	497	..	..	11,435
Merbein	..	84	45	313	6,850	569	..	73	7,934
Totals	34	470	95	496	19,944	1,220	20	73	22,352
Totals (River Murray State Works)	13,762	14,580	4,415	110,357	24,134	4,633	1,631	3,185	176,697
Supplied from Loddon and other Northern State Works.									
Boort	415	214	190	1,796	..	2	288	..	2,905
Coliban	227	362	183	2,421	20	4,916	125	..	8,254
Campaspe	..	170	..	13	..	6	..	..	189
Western Wimmera	15	294	57	716	65	1,269	..	6	2,422
Wimmera United	..	37	27	33	..	..	..	..	97
Totals	657	1,077	457	4,979	85	6,193	413	6	13,867
Supplied from Southern State Works.									
Bacchus Marsh	3	1,148	116	1,864	..	261	32	..	3,424
Werribee	61	1,206	300	4,430	..	2,591	100	..	8,688
Maffra–Sale	15	1,476	2,002	16,276	..	..	541	1,984	22,294
Totals	79	3,830	2,418	22,570	..	2,852	673	1,984	34,406
Supplied from other Works.									
First Mildura District	..	500	140	..	10,185	987	..	155	11,967
Private Diversions—Kerang (outside Districts)	140	31	51	1,011	..	..	..	..	1,233
Other Private Diversions throughout the State	5,430	4,273	924	1,917	569	1,487	..	1,338	15,938
Totals	5,570	4,804	1,115	2,928	10,754	2,474	..	1,493	29,138
Grand Totals 1939–40	**33,207**	**74,553**	**14,528**	**310,504**	**35,290**	**37,679**	**5,417**	**6,725**	**517,903**
Grand Totals 1938–39	84,379	76,148	26,942	251,629	35,125	30,012	5,126	5,996	515,357

(B) COMPARATIVE STATEMENT OF THE EXTENT OF IRRIGATION 1935–36 TO 1939–40.

Source of Supply.	Area under Irrigation (Acres).				
	1935–36.	1936–37.	1937–38.	1938–39.	1939–40.
Goulburn State Works	256,184	267,830	311,059	259 676	**263,795**
River Murray State Works	172,037	176,370	210,084	183 573	**176,697**
Loddon and other Northern State Works	14,707	14,671	7,315	3,994	**13,867**
Southern State Works	24,060	29,043	31,444	32,687	**34,406**
Mildura and Private Diversions	28,847	30,913	30,210	35,427	**29,138**
Totals	**495,835**	**518,827**	**590,112**	**515,357**	**517,903**

MISCELLANEOUS.

Research and Testing.

Certain new features were introduced during the year, notably testing and investigation with reference to—(*a*) Soil Mechanics; and (*b*) Use of Low Heat Portland Cement.

The main Soil Mechanics Laboratory has been established at Hume Reservoir. Some pieces of apparatus of a specialized nature had been ordered from abroad and, consequent on the very disturbed international situation, considerable delay occurred in shipment. The laboratory has therefore been functioning during the latter half only of the financial year.

In connexion with additions to the main earth bank at Hume Reservoir, many samples have been examined from shafts and bores sunk in the bank.

The tests for which equipment has been procured and which are being conducted in general are—(1) Mechanical Analysis; (2) Shear and Cohesion, by means of—(*a*) Aminco Shear Test machine; and (*b*) Hveem Stabilometer; (3) Proctor compaction tests; (4) Atterberg tests (Liquid Limit, Plastic Limit, Shrinkage); (5) Determination of Soluble Solids Present; and (6) Compressibility and Permeability.

Control of the placing of the earth bank at the new Lauriston Reservoir has been maintained with reference to the proportions of sandy and clayey materials and the water content during compaction. The tests in this connexion indicate that a high degree of uniformity is being attained, and that the physical characteristics of the material being deposited are in conformity with plan.

In addition, tests have been carried out in the laboratory at Melbourne on a considerable number of soil samples from various localities, but mainly from trial pits on the projected site for the proposed Lerderderg Reservoir.

Low Heat Portland Cement has come into prominence in connexion with the construction of the Lauriston Reservoir. The design of the concrete spillway and main wall for this structure is of the massive buttress type, and it was desired to reduce to a minimum any differential shrinkage in the concrete while it matured. As both the use and manufacture of this type of cement were novel in this State, a considerable amount of investigation was undertaken in collaboration with the technical staff of Australian Cement Ltd., who have now produced this specialized form of cement in a grade in conformity with the Commission's requirements.

The work of Research and Testing is summarised with the main items as far as possible grouped in tabulated form, under sub-headings as follow—

(1) *Routine Laboratory Tests.*

	Normal Portland Cement.	Low-Heat Portland Cement.	Concrete Specimens.
	Tons.	*Tons.*	
For the Commission	2,738	4,131	500
For other Departments	*13,638	..	447
Totals	16,376	4,131	947

*Note—A considerable portion of the cement was for the use of the Grain Elevators Board.

(2) *Routine Outside Tests.*

A considerable portion of this testing was undertaken in connexion with constructional work in the extension of Mornington Peninsula water supply to Dromana and Portsea. Most of the Commission's constructional activities, however, were involved, and some of the materials were employed in the installation of water supply and sewerage at military camps.

Many different sizes and pressure heads were included in the pipes tested. However, for convenience, no reference to these particulars is made in the following grouping—

Material.	Length.	Number.
	Feet.	
Welded steel cement lined pipe	3,000	..
Cast iron pipe	741	..
Asbestos cement pipe	166,582	..
Cement concrete pipe (high pressure)	40,088	..
Sluice valves	..	250
Totals	210,411	250

(3) *Inspection of Materials.*

In certain instances, the nature of the raw or fabricated material is such as to make routine testing impracticable, and in these cases careful inspection is made prior to acceptance.

In detail, materials of this class consisted of :—

Material.	Lineal Feet.	Number.	Super Feet.
Cement concrete pipes (low pressure)	23,129	..	..
Glazedware pipes	12,100	..	..
Extruded rubber sealing strip	1,200	..	..
Pipe fittings (cast iron, mild steel and concrete)	..	1,788	..
Cast iron gibault joints	..	2,324	..
Mild steel fabricated items	..	660	..
Rubber rings	..	1,741	..
Timber	..	..	64,589
Totals	36,429	6,513	64,589

Additional to the above, many other items, including joinery, galvanized iron tanks and steel sections, were inspected.

(4) *Chemical and Physical Examination of Materials.*

Samples of water numbering 145 from various localities were examined with reference to physical and chemical properties and plankton. Analyses were made of bronze samples for valve seatings and tests of nickel-chromium steel alloys to obtain information as to corrosion resistivity.

As already mentioned, a large number of soil samples were examined.

(5) *Research.*

Some attention was devoted to measuring the temperature in the concrete during hardening and curing period at Lauriston Reservoir.

Electrical methods of measurement were devised using copper-constantan thermo-couples and much useful information was obtained.

Experimental work was carried out in regard to the design of concrete mixtures for various works including Lauriston Reservoir.

(6) *Miscellaneous.*

Tests were made on other materials such as protective coating for steel work, particularly Dethridge meter wheels, a number of which were prepared with various protective coatings to obtain practical information as to the best method of prolonging the life of such wheels.

The installation of chlorination apparatus was made on the water supplies to Merbein, and to two military camps of the Seymour group.

Comparatively few cases of algal infestation of reservoirs were reported or investigated. No trouble of this nature occurred at Hume Reservoir. However, in midsummer, the water in Yarrawonga Weir developed a growth of anabæna, which gave the water an objectionable taste and smell. This was considerably reduced by a fairly heavy release of flushing water from Hume Reservoir.

Land Valuations.

Legislation.

Important amendments to the Water Acts relating to the powers of the Commission in regard to valuations were made by Parliament and embodied in the *Water Act* 1939. These include provision for valuations by the Commission for Rating on Unimproved Land Values; the extension at will of the quinquennial interval between rating valuations up to ten years; the granting of statutory power to make supplementary valuations which had previously been authorized by regulation only; and the curtailment of the period allowed for lodging claims for injury by works and for proceeding to law in this regard.

Rating Valuations.

Valuations were made of the Lower Kooweerup and Cardinia Flood Protection Districts which had previously been rated on an acreage basis. Valuations were also returned for the newly constituted Murray Valley Irrigation and Water Supply District and for the Tyrrell, Tyrrell West, Walpeup West, and Coreena Waterworks Districts.

In addition, 42 Supplementary Valuations were returned in respect of the Commission's Irrigation, Waterworks, Drainage and Flood Protection Districts.

Valuations for Land Compensation.

This branch of the valuation work occupies the major part of the time of the Valuation staff. One hundred and six claims amounting to £38,487 were settled for £16,678, while 280 claims amounting to £137,029 were dealt with and offers of settlement made totalling £52,500.

Claims for Injury.

Six claims for injury to land by flooding were received and dealt with by the Valuations Branch.

General.

The Commission is of the opinion that public authorities, both State and Municipal, should be freed from making valuations for revenue and compensation. It is aware of the confusion resulting from a multiplicity of valuations in regard to the same land, and urges the establishment of a central valuation body to control valuations for all purposes throughout the State.

There is no lack of evidence to support the Commission's views on this subject.

Occupation of Commission Lands.

The Commission has again been enabled to secure suitable tenants for lands not required in connexion with works, 1,071 occupancy permits for periods up to 15 years being now in force.

Crown Lands.

Numerous applications for alienation or occupation of Crown Lands, including water reserves and creek frontages, were referred by the Lands Department to this Commission for report as to whether such applications could be granted without injury to water supply interests. In dealing with these, it has been necessary for a number of inspections to be made in order to ascertain the value of each area for water supply, or its liability to erosion.

PART III.—ADMINISTRATION AND FINANCE.

LEGISLATION.

Water Acts.

An Act to amend the Water Acts was passed by Parliament during the year. This Act, cited as the *Water Act* 1939, No. 4678, came into operation on the 7th December, 1939, and made a number of amendments to the law in regard to water supply matters.

Among the amendments was one providing for the appointment of one of the Commissioners as Deputy Chairman of the Commission. Other amendments dealt with the diversion or utilization of natural waters, the prevention of pollution, and the carrying out by landowners of works for the protection of their land from damage by erosion or flooding.

An amendment dealing with drainage or flood protection districts increased the number of divisions into which lands might be classified for rating purposes from three to four in order to provide for a more equitable basis for the rating of lands benefiting from the works in these districts.

Among amendments dealing with irrigation supplies was an important amendment authorizing the Commission to refuse to supply water to any lands unless the private channels provided for the service of such lands are satisfactorily maintained. This authority will enable the Commission to insist upon more efficient utilization of water supplies.

In connexion with the valuation of lands for rating purposes, an amendment provided that when unimproved capital values are adopted for rating purposes such unimproved capital values should be as defined by the Local Government Act, and also that the Commission might make valuations on this basis. Provision was also made for the extension of the period between valuations to a maximum of 10 years.

The time in which notice of any claim against an Authority for compensation for injury by flooding was reduced to 30 days after the occurrence of such flooding in order that the Authority might have an opportunity of ascertaining conditions at the time of the alleged flooding.

The Act also included a number of other amendments dealing with the constitution of Waterworks Trusts, with rates and charges generally, and with the provision for depreciation accounts in respect of perishable structures.

Barwon River Improvement Act 1939.

During the session of Parliament in 1939 the Barwon River Improvement Act, No. 4657, was passed. This Act vests in the Geelong Waterworks and Sewerage Trust the management and control of that section of the Barwon River which may be generally defined as between prolongations of the eastern boundary of the city of Geelong and the western boundary of the town of Newtown and Chilwell.

COMMISSION.

In accordance with the provisions of the *Water Act* 1939, Mr. W. A. Robertson, M.C.E., M.Inst. C.E., M.I.E. Aust., Commissioner, was appointed by the Governor in Council on 22nd December, 1939, to be Deputy Chairman of the Commissioners of the State Rivers and Water Supply Commission.

STAFF.

Mr. P. J. O'Malley, Secretary to the Commission since 1928, retired on 10th April, 1940. Mr. O'Malley was an officer of the Public Service for 48 years. Appointed to the Public Library on 12th January, 1892, he was later transferred to the Victorian Water Supply Department, and had been in the service of the Commission since its inception in 1906.

Mr. L. Duggan, Chief Clerk and one of the Chief Administrative Officers of the Commission for many years, was appointed as on and from 31st May, 1940, to the position of Secretary to the Commission.

Mr. A. D. Brown, A.I.C.A., Officer in Charge of Debts Adjustment and Rates Recovery Branch, was promoted to the position of Chief Clerk.

In consequence of the promotion of Mr. A. D. Brown to the position of Chief Clerk, Mr. J. A. Aird, B.Sc., B.Ag.Sc., Dip. Com., Chief Irrigation Officer, has been appointed as the Commission's representative on the directorates of the Kyabram Co-operative Fruit Packing Company Limited, and the Goulburn Valley Canners Proprietary Limited.

Mr. H. B. Lincoln has been appointed Acting Divisional Engineer of the Loddon Division during the absence of Lieutenant-Colonel F. Rogerson, M.C., as Acting Chief Engineer of the Southern Command of the Commonwealth Military Forces.

Mr. E. A. Ryland, who was previously associated with the Commission, and later was engaged with the Lands Department, has been appointed as a Valuer with the Commission.

Following the resignation of Mr. C. T. Stafford, B.C.E., Mr. W. W. D. Minson, B.E. (University of New Zealand), Assoc. M.Inst. C.E., has been appointed Assistant Resident Engineer at Lauriston Reservoir.

Mr. H. J. Davies was appointed Mechanical Engineer in charge of the Red Cliffs and Merbein Pumping Stations during the absence of Lieutenant-Commander F. C. Hodgson with the Royal Australian Navy.

Mr. J. C. R. Sundercombe, B.E., Assistant Engineer, in the Commission's Mechanical Engineering Branch, was granted six months' leave in 1939 to visit Great Britain, and, on his return, submitted a report giving an outline of the engineering experience gained during his absence overseas.

During the year, additional permanent positions for water bailiffs have been created. The undermentioned comparison sets out the position of water bailiffs on the Permanent and Temporary Staffs as at 1926, 1939, 1940 :—

—	Year 1926.	Year 1939.	Year 1940.
Permanent Water Bailiffs	150	74	119
Temporary Water Bailiffs	32	113	75
Totals	182	187	194
Percentage of Permanent Bailiffs	82%	40%	61%

The Commission records with deep regret the deaths during the year of Mr. J. O'Connell (Officer in Charge Records Branch, Head Office), Mr. F. M. Engel (District Officer, Bacchus Marsh District), Mr. G. Kirk (Clerk, Werrimull), Mr. C. H. Newton (Water Bailiff, Rodney District), Mr. J. Newton (Water Ranger, Hopetoun), Mr. W. Pettit (Reservoir Keeper, Crusoe Reservoir), Mr. R. C. Valentine (Survey Assistant), and Mr. O. C. D. Swindley (Telephone Attendant, Head Office).

In addition to Mr. O'Malley, the following officers have retired from the Commission's service during the year :—Mr. D. P. Mundell (Accounts Branch, Head Office), Mr. J. T. McCurdy (Inspector, Koondrook), Mr. F. L'Huillier, Mr. F. C. Ratcliff, Mr. J. S. Binion, Mr. H. Wood (Water Bailiffs), Mr. J. H. Johnston (Water Ranger), Mr. W. Buby (Reservoir Keeper, Pykes Creek), Mr. J. H. Boucher (Skilled Labourer, Bendigo).

The undermentioned permanent officers have resigned from the Commission's service during the year :—Mr. K. Coventry, Assistant Engineer, Mr. K. G. Irving, Draughtsman, Mr. C. Garrow, Mr. W. G. Coghlan, and Mr. D. A. Brooke, Clerks, and 5 Water Bailiffs and Rangers.

In addition, 10 professional officers, 10 clerks, 5 water bailiffs and rangers have resigned from the Temporary Staff.

The following lists set out the names of officers who have enlisted in the A.I.F., and those who have served with Home Services during the year :—

LIST OF OFFICERS WHO HAVE ENLISTED IN THE A.I.F.

Permanent Staff.

*Hodgson, Frederick Charles.
Drummond, Richard.
Sundercombe, John Charles Robert.
Crow, Alan Edward.
Graham, Sydney George Elliott.
Lewis, Geoffrey Wilfred Valentine.
*Clarke, John.

Temporary Staff.

Barlow, Archibald William.
Campbell, John.
Chirgwin, William Sydney.
Nolan, Michael Mullins.
*Phillips, William.
Shaw, Stuart Graham.
Tancoe, James Whitburn.
Wyndham, David Norman.

**These officers served in the 1914-18 War.*

LIST OF OFFICERS WHO HAVE SERVED IN THE A.M.F. DURING THE YEAR.

Permanent Staff.

Allinson, Robert York.
Boase, Norman Henry.
*Clark, Donald.
Creighton, Warwick.
*Devereaux, William Leonard.
*Field, Herbert Booker.
Gillespie, Phillip Mark.
Grigg, Thomas Peter.
*Lawrence, Cyril.
Mason, Raymond George.
*Murray, Cyril Stewart.
*Myers, Robert Ashton.
McLean, Gordon Duncan.
McPherson, Cyril John Bennett.
*Rogerson, Frank.
*Rogerson, Stanley Wallace.
Robinson, Clifford Charles.
Ritchie, George.
Rorke, George Henry Patrick.
Swanson, Victor George.
Stafford, Hume Neville.
Turner, Kedron Freebairn.
Wyatt, Lewis William Haughton.

Temporary Staff.

*Abbott, Percival Henry.
*Deveson, Edward George.
*D'Arcy, William.
*Finley, Hugh Jack.
Morgan, Alexander Mitchell.
Thompson, Lionel Bowerman.

* *These officers served in the A.I.F. in the* 1914–18 *War.*

DISTRICT EXTENSIONS AND EXCISIONS.

Portion of the Echuca North Irrigation District was included in the Rochester Irrigation District, and the remaining portion was amalgamated with the Tongala and Stanhope Irrigation Districts to form one district known as the Tongala–Stanhope Irrigation District.

The Boort Irrigation District was extended to include an area of 750 acres supplied with water for domestic and stock use. An area of 50 acres not commanded by gravitation was excised from the District.

An area of 4,020 acres supplied from the works of the Rodney Irrigation District was excised from the Deakin Irrigation District and added to the former District.

The Koondrook Irrigation District was extended to include an area of 1,080 acres of land not previously supplied. Three allotments containing 350 acres not commanded by gravitation were excised from the District.

An area of 10 acres of subdivided land was excised from the Swan Hill Irrigation District and added to the Swan Hill Waterworks Trust District.

Kerang and Merbein Irrigation Districts were extended to include areas of 38 and 15 acres respectively.

The Maffra–Sale Irrigation District was extended to include an area of 7,850 acres, served by extensions of supply channels. An area of 260 acres not commanded by the Commission's works was excised from the District.

An area of 60 acres supplied by works of the Cobram Waterworks Trust was excised from the Murray Valley Irrigation District.

The Normanville Waterworks District was extended to include an area of some 18,500 acres served by the Commission's channels. Of this area 6,500 acres were transferred from the Waterworks District of the Loddon United Waterworks Trust. An area of 10,300 acres which receives supplies from the Avoca River was excised from the District.

The boundaries of the Spring Vale and Drysdale Urban Districts were amended to include urban lands served by extensions of the respective reticulation systems.

The boundaries of the Terang Urban District were amended to exclude lands not served by the reticulation system of the District.

An area of 165 acres benefited by the construction of a protective levee bank was added to the Cardinia Flood Protection District.

The Merbein, Rochester and Maffra–Sale Drainage Districts were extended to include areas of 15, 3,970 and 200 acres respectively benefited by the Commission's drainage works.

Areas of 1,650 and 60 acres not benefited by drainage works were excised from the Kerang East and Shepparton Drainage Districts respectively.

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 general rates, drainage rates, flood protection rates and 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 Murray Valley Irrigation and Water Supply District, and the Urban Waterworks District of Terang.

The Tongala, Stanhope, and portion of the Echuca North Irrigation and Water Supply Districts were united to form one District and called the Tongala–Stanhope Irrigation and Water Supply District, and the remaining portion of the Echuca North District was included in the Rochester Irrigation and Water Supply District.

In 52 Districts the lands were, for the purpose of making and levying rates, arranged in divisions in accordance with the relative benefits derived by such lands from the works as provided by the Water Acts. The Kanyapella Flood Protection District, where the charging is on an acreage basis, was similarly divided into divisions. As heretofore in the Urban portion of the Coliban System, a minimum and tapering rate was made, while the Carrum Waterworks Trust District was, as in past years, arranged in five rating divisions in accordance with the relative benefits derived by the lands from the works.

As provided by the *Water Act* 1939, lands within the Drainage and Flood Protection Districts were divided, for rating purposes, into divisions, not more than four in number, in accordance with the relative benefits derived by the lands from the works, while in the Irrigation and Water Supply and Waterworks Districts, the divisions remain, as in previous years, at not more than three in number.

In accordance with a recommendation of the Royal Commission on Water Supply, 1936, rates in the £1 of the net annual valuation were made for the first time in respect of lands within the Cardinia and Lower Kooweerup Flood Protection Districts, which were heretofore charged on an acreage basis.

Under the powers conferred by Section 62 of the *Water Act* 1928, a minimum annual rate on the basis of £9 12s. per 640 acres was fixed by the Commission on the first division lands of the Birchip, Karkarooc, Long Lake, Sea Lake, Tyntynder, Tyrrell, Tyrrell West, Upper Western Wimmera, Upper Wimmera United, Wimmera United, and Wycheproof Waterworks Districts; in the Carwarp, Carwarp Central, Coreena, Hindmarsh, Millewa, Millewa Central, Normanville, and Yelta Waterworks Districts, the minimum was fixed at £10 13s. 4d. per 640 acres, while in the Walpeup West (Bore) Waterworks District, the minimum was fixed at £4 16s. per 640 acres.

In 25 Districts the Commission made and levied compulsory irrigation charges, in 2 Flood Protection Districts a charge was made, and in 3 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, 1940.	Period of Rate.	Estimated Number of Persons dwelling in District.
IRRIGATION AND WATER SUPPLY DISTRICTS.				
	Valuation by Commission.	Divisions. 1st. / 2nd. / 3rd.		
	£	s. d. / s. d. / s. d.		
1. Bacchus Marsh ..	15,039	1 0 / 0 6 / ..	1st July, 1939, to 30th June, 1940	645
2. Boort	18,374	1 0 / 0 6 / ..	,, ,, ,,	580
3. Calivil	16,467	1 0 / .. / ..	,, ,, ,,	614
4. Campaspe	8,871	2 0 / 1 0 / 0 6	,, ,, ,,	180
5. Cohuna	37,156	1 9 / 0 10½ / 0 5¼	,, ,, ,,	1,415
6. Deakin	45,687	1 8 / 0 10 / 0 5	,, ,, ,,	1,575
7. Dingee	3,329	1 0 / .. / ..	,, ,, ,,	260
8. Dry Lake	279	(No rate made)	.. .. ..	12
Totals (carried forward)	£145,202			5,281

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

Districts Supplied with Water for Domestic and Ordinary Use and for Watering Cattle or other Stock.	Annual Value of Lands and Tenements.	Rate in the £1 made during year ended 30th June, 1940.			Period of Rate.	Estimated Number of Persons dwelling in District.
		Divisions.				
	Valuation by Commission.	1st.	2nd.	3rd.		
	£	s. d.	s. d.	s. d.		
Irrigation and Water Supply Districts—*continued.*						
Brought forward ..	145,202	..	..	..	.. .. ..	5,281
9. Fish Point	1,533	1 0	..	..	1st July, 1939, to 30th June, 1940	55
10. Katandra	8,222	1 0	..	..	,, ,, ,,	450
11. Kerang	17,637	1 9	0 10½	0 5¼	,, ,, ,,	790
12. Koondrook ..	23,974	1 9	0 10½	..	,, ,, ,,	1,150
13. Leitchville ..	9,423	1 9	0 10½	..	,, ,, ,,	258
14. Maffra-Sale ..	58,513	1 0	0 6	..	,, ,, ,,	2,370
15. Merbein	49,519	0 6	..	..	,, ,, ,,	3,000
16. Murray Valley ..	12,352	0 6	0 3	..	1st Jan., 1940, to 30th June, 1940	240
17. Mystic Park ..	3,337	1 0	..	..	1st July, 1939, to 30th June, 1940	110
18. North Shepparton ..	53,941	1 0	0 6	..	,, ,, ,,	1,270
19. Nyah	8,688	0 6	..	..	,, ,, ,,	893
20. Red Cliffs ..	81,066	0 6	..	..	,, ,, ,,	3,150
21. Rochester ..	67,216	1 0	0 6	0 3	,, ,, ,,	2,958
22. Rodney	134,798	1 0	0 6	0 3	,, ,, ,,	5,340
23. Shepparton ..	35,809	1 0	..	..	,, ,, ,,	2,460
24. South Shepparton ..	15,362	1 0	0 6	..	,, ,, ,,	410
25. Swan Hill ..	30,631	1 0	..	..	,, ,, ,,	1,888
26. Third Lake ..	2,156	1 9	..	..	,, ,, ,,	85
27. Tongala-Stanhope ..	48,199	1 0	0 6	..	,, ,, ,,	2,639
28. Tragowel Plains ..	44,418	1 0	0 6	0 3	,, ,, ,,	1,196
29. Tresco	3,571	2 6	1 3	..	,, ,, ,,	215
30. Werribee	21,090	1 0	0 6	..	,, ,, ,,	1,453
Totals (Irrigation) ..	£876,657					37,661
Waterworks Districts.						
31. Axe Creek ..	1,637	1 9½	..	..	1st July, 1939, to 30th June, 1940	255
32. Birchip	41,961	2 1	1 0½	0 6¼	,, ,, ,,	2,660
33. Carwarp	4,775	3 4	1 8	0 10	,, ,, ,,	520
34. Carwarp Central ..	790	3 4	1 8	0 10	,, ,, ,,	100
35. Coreena	6,286	3 4	1 8	0 10	,, ,, ,,	250
36. Harcourt	6,652	1 4	..	..	,, ,, ,,	600
37. Hindmarsh ..	8,542	2 8	1 4	0 8	,, ,, ,,	232
38. Karkarooc ..	129,263	1 11	0 11½	0 5¾	,, ,, ,,	4,750
39. Kerang N.W. Lakes	7,400	0 5	..	..	,, ,, ,,	370
40. Long Lake ..	72,333	2 6½	1 3¼	0 7⅝	,, ,, ,,	2,300
41. Millewa	19,226	3 4	1 8	0 10	,, ,, ,,	1,280
42. Millewa Central ..	11,733	3 4	1 8	0 10	,, ,, ,,	700
43. Normanville ..	28,783	1 6	0 9	0 4½	,, ,, ,,	522
44. Sea Lake	63,844	2 5	1 2½	0 7¼	,, ,, ,,	2,450
45. Tyntynder ..	52,378	3 0	1 6	0 9	,, ,, ,,	2,100
46. Tyrrell	39,700	3 0	1 6	0 9	,, ,, ,,	2,830
47. Tyrrell West ..	59,192	3 0	1 6	0 9	,, ,, ,,	3,540
48. Upper Western Wimmera ..	63,883	1 4	0 8	0 4	,, ,, ,,	1,690
49. Upper Wimmera United ..	106,163	1 4	0 8	0 4	,, ,, ,,	2,750
50. Walpeup West ..	48,262	0 8	0 4	..	,, ,, ,,	2,130
51. Werribee	6,125	1 9½	0 10¾	..	,, ,, ,,	150
52. Western Wimmera	278,727	1 0½	0 6¼	0 3⅛	,, ,, ,,	8,680
53. Wimmera United ..	313,603	1 0½	0 6¼	0 3⅛	,, ,, ,,	7,800
54. Wycheproof ..	75,939	2 1	1 0½	0 6¼	,, ,, ,,	2,980
55. Yelta	2,059	3 4	1 8	0 10	,, ,, ,,	50
Totals (Waterworks)	£1,449,256					51,689

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

Districts Supplied with Water for Domestic and Ordinary Use and for Watering Cattle or other Stock.	Annual Value of Lands and Tenements.	Rate in the £1 made for year ending 31st December, 1940.	Period of Rate.	Estimated Number of Persons dwelling in District.
WATERWORKS TRUSTS.				
	Valuation by Commission.	Division. 1st. / 2nd. / 3rd.		
	£	*s. d.* / *s. d.* / *s. d.*		
56. LODDON UNITED ..	68,113	0 8 / 0 4 / 0 2	1st January, 1940, to 31st December, 1940	3,050
	Municipal Valuation			
	£	*s. d.*		
57. CARRUM	20,306	1st Division 3 8	,, ,, ,,	1,450
		2nd Division 1 10		
		3rd Division 1 0		
		4th Division 0 10		
		5th Division 0 3		
58. MITIAMO (Urban) ..	921	.. / .. / 4 0	,, ,, ,,	187
Totals (Trusts) ..	£89,340	.. / .. / ..	.. .. ..	4,687

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, 1940.	Sales of Water Charge per 1,000 gallons.	Period of Rate.	Estimated Number of Persons dwelling in District.
URBAN DIVISIONS AND DISTRICTS.					
	Municipal Valuation.				
	£	*s. d.*	*s. d.*		
59. ANGLESEA	2,880	2 6	1 0	1st July, 1939, to 30th June, 1940	250
60. ANTWERP	200	4 0	2 0	,, ,, ,,	70
61. BACCHUS MARSH ..	16,481	1 6	1 6	,, ,, ,,	1,760
62. BARWON HEADS AND OCEAN GROVE ..	11,206	2 6	1 0	,, ,, ,,	1,200
63. BERRIWILLOCK ..	1,410	3 6	1 6	,, ,, ,,	154
64. BERWICK	6,986	2 1	1 0	,, ,, ,,	1,000
65. BEULAH	3,446	3 0	1 3	,, ,, ,,	450
66. BIRCHIP	6,062	1 8	1 3	,, ,, ,,	859
67. BITTERN	623	3 1	1 0	,, ,, ,,	90
68. BRIM	1,097	4 6	1 6	,, ,, ,,	180
69. BUNYIP	3,256	2 4	1 0	,, ,, ,,	430
70. CAMPERDOWN ..	30,385	3 0	1 3	,, ,, ,,	2,900
71. CARRUM	91,201	1 5	1 0	,, ,, ,,	7,300
72. CARWARP	137	5 0	2 0	,, ,, ,,	20
73. CHILLINGOLLAH ..	387	5 0	2 0	,, ,, ,,	65
74. CHINKAPOOK ..	562	5 0	2 0	,, ,, ,,	120
75. COBDEN	9,011	3 0	1 3	,, ,, ,,	760
76. COHUNA	10,324	2 0	1 3	,, ,, ,,	1,050
77. COROP	169	2 6	1 0	,, ,, ,,	85
78. CRANBOURNE ..	3,540	2 0	1 0	,, ,, ,,	300
79. CRIB POINT.. ..	3,394	3 1	1 6	,, ,, ,,	565
80. CULGOA	1,341	3 6	1 6	,, ,, ,,	152
81. DANDENONG ..	64,725	1 3	1 0	,, ,, ,,	*6,268
82. DIMBOOLA	16,169	1 8	1 0	,, ,, ,,	1,666
83. DINGEE	364	4 0	1 3	,, ,, ,,	90
84. DOOEN	169	2 0	1 6	,, ,, ,,	28
85. DRYSDALE	2,766	2 6	1 0	,, ,, ,,	336
Totals (carried forward)	£288,291	..	..	.. .. ..	28,148

* Includes population of A.I.F. Military camp, 1,200.

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

Districts Supplied with Water for Domestic and Ordinary Use and for Watering Cattle or other Stock.	Annual Value of Lands and Tenements.	Rate in the £1 made during year ended 30th June, 1940.	Sales of Water Charge per 1,000 gallons.	Period of Rate.	Estimated Number of Persons dwelling in District.
	URBAN DIVISIONS AND DISTRICTS—*continued.*				
	Municipal Valuation. £	*s. d.*	*s. d.*		
Brought forward ..	288,291	..	..	.. .. ..	28,148
86. FRANKSTON ..	66,208	1 4	1 0	1st July, 1939, to 30th June, 1940	5,842
87. GARFIELD	2,424	2 4	1 0	" " "	300
88. HASTINGS	2,405	3 0	1 0	" " "	488
89. HEYFIELD	4,241	2 6	1 0	" " "	550
90. HICKSBOROUGH ..	416	3 9	1 6	" " "	100
91. HOPETOUN	6,496	3 0	1 3	" " "	800
92. JEPARIT	8,974	2 1	1 3	" " "	856
93. JUNG JUNG ..	909	3 0	1 6	" " "	169
94. KOONDROOK ..	3,144	2 9	1 3	" " "	595
95. LAKE BOGA ..	2,248	3 0	1 3	" " "	375
96. LALBERT	828	5 0	1 6	" " "	125
97. LASCELLES	934	5 0	1 6	" " "	150
98. LEITCHVILLE ..	1,979	3 7	1 6	" " "	240
99. LOCKINGTON ..	1,699	2 9	1 6	" " "	200
100. LONGWARRY ..	2,037	2 6	1 0	" " "	260
101. MANANGATANG ..	2,176	3 6	2 0	" " "	310
102. MARNOO	1,199	5 0	1 3	" " "	250
103. MARONG	832	3 0	1 0	" " "	310
104. MERBEIN	10,516	2 9	1 0	" " "	1,500
105. MERINGUR	321	5 0	2 6	" " "	65
106. MINYIP	6,201	2 10	1 6	" " "	750
107. MORNINGTON ..	37,479	1 6	1 0	" " "	2,300
108. MOUNT MARTHA ..	7,633	2 1	1 3	" " "	240
109. MURRABIT	230	5 0	2 0	" " "	60
110. NANDALY	290	5 0	2 0	" " "	110
111. NATIMUK	3,258	1 6	1 0	" " "	568
112. NEWSTEAD	2,964	3 0	1 0	" " "	400
113. NORTH WONTHAGGI ..	3,660	2 0	1 6	" " "	1,000
114. NULLAWIL	816	5 0	2 0	" " "	102
115. NYAH	686	2 9	1 3	" " "	137
116. NYAH WEST ..	4,320	2 9	1 6	" " "	344
117. OUYEN	9,196	3 0	2 0	" " "	1,080
118. PAKENHAM	5,662	2 1	1 0	" " "	750
119. PATCHEWOLLOCK ..	519	5 0	2 0	" " "	165
120. PIANGIL	1,078	3 6	1 6	" " "	170
121. PORTARLINGTON ..	3,373	2 6	1 0	" " "	550
122. PYRAMID HILL ..	3,414	2 9	1 6	" " "	450
123. QUAMBATOOK ..	3,267	2 10	1 3	" " "	405
124. QUEENSCLIFF AND POINT LONSDALE ..	22,187	2 6	1 0	" " "	3,100
125. RAINBOW	9,066	1 9	1 3	" " "	1,004
126. RED CLIFFS ..	15,885	2 3	1 0	" " "	1,200
127. RUPANYUP	5,674	2 10	1 6	" " "	650
128. SEA LAKE	7,509	2 0	1 3	" " "	710
129. SOMERVILLE ..	2,505	2 6	1 0	" " "	304
130. SOUTH FRANKSTON ..	16,709	2 3	1 0	" " "	845
131. SPEED	424	5 0	2 0	" " "	60
132. SPRING VALE ..	38,326	1 6	1 0	" " "	3,320
133. STANHOPE	1,925	3 0	1 3	" " "	300
134. TEMPY	301	5 0	2 0	" " "	90
135. TERANG	21,949	3 0	1 3	" " "	2,100
136. TORQUAY	6,129	2 6	1 0	" " "	700
137. ULTIMA	2,321	3 0	1 3	" " "	340
138. WAITCHIE	293	5 0	2 0	" " "	75
139. WALPEUP	859	4 6	2 0	" " "	160
140. WATCHEM	1,800	3 3	1 6	" " "	320
141. WERRIMULL ..	885	5 0	2 6	" " "	140
142. WONTHAGGI ..	31,079	1 6	1 6	" " "	8,000
143. WOOMELANG ..	1,978	3 6	1 3	" " "	407
144. WOORINEN	586	4 0	1 6	" " "	116
145. WYCHEPROOF ..	7,592	2 0	1 3	" " "	775
146. YAAPEET	301	5 0	2 0	" " "	70
Totals	£698,606	..	..	.. .. ..	76,000

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

Districts Supplied with Water for Domestic and Ordinary Use and for Watering Cattle or other Stock.	Annual Value of Lands and Tenements.	Rate in the £1 made during Year ended 30th June, 1940.	Period of Rate.	Estimated Number of Persons dwelling in District.
COLIBAN SYSTEM.				
	Municipal Valuation. £	s. d.		
Brought forward ..	698,606			76,000
147. Coliban	401,249	On Valuations up to £300 .. .. 1 6 (Minimum 20s.) From £301 up to £700 .. .. 1 3 From £701 on .. 1 0 Vacant lands .. 1 6	1st July, 1939, to 30th June, 1940	60,500
Totals (Urban) ..	£1,099,855	.. .. ..	.. ..	136,500
Grand Totals ..	**£3,515,108**	.. .. ..	.. ..	**230,537**

DRAINAGE DISTRICTS.

District.	Valuation by Commission.	Divisions— 1st.	2nd.	3rd.	4th.	Period of Rate.	Estimated Number of Persons dwelling in District.
	£	s. d.	s. d.	s. d.	s. d.		
148. Cohuna	35,066	1 6	1 1½	0 9	0 4½	1st July, 1939, to 30th June, 1940	1,216
149. Kerang East ..	16,992	1 8	1 3	0 10	0 5	,, ,, ,,	765
150. Maffra–Sale ..	26,402	1 2	0 10½	0 7	0 3½	,, ,, ,,	1,125
151. Merbein	43,625	0 9	0 4½	..	..	,, ,, ,,	3,000
152. Red Cliffs ..	71,575	0 9	..	..	..	,, ,, ,,	2,750
153. Rochester ..	26,474	1 6	1 1½	0 9	0 4½	,, ,, ,,	1,750
154. Rodney	15,944	1 3	0 11¼	0 7½	0 3¾	,, ,, ,,	700
155. Shepparton ..	56,164	1 2	0 10½	0 7	0 3½	,, ,, ,,	3,345
156. Tongala–Stanhope	49,062	1 6	1 1½	0 9	0 4½	,, ,, ,,	2,674
157. Werribee ..	21,664	0 8	0 6	0 4	..		1,336
Totals (Drainage) ..	£362,968	..	..	..	..	.. .. ..	18,661

FLOOD PROTECTION DISTRICTS.

158. Cardinia	21,082	4 0	3 0	2 0	1 0	1st July, 1939, to 30th June, 1940	850
159. Lower Kooweerup	56,963	2 0	1 6	1 0	0 6	,, ,, ,,	2,800
	£78,045						
	Acres.						
160. Kanyapella ..	14,494	1st Div. (p. ac.)			0 6	,, ,, ,,	74
		2nd Div. (p. ac.)			0 3		
161. Loch Garry ..	41,681	Per acre			0 5	,, ,, ,,	200
	56,175 Acres.						3,924

B.—COMPULSORY IRRIGATION CHARGES.

Irrigation and Water Supply District.	Area of District in Acres.	Area at present Irrigable in Acres.	Water Rights Apportioned (including Extra Rights) in Acre feet	Compulsory Charge per Acre foot of Water Right.	Period of Charge.
Supplied from Goulburn System.					
1. Boort	80,138	56,718	11,339	7s.	1st September, 1939, to 30th April, 1940
2. Calivil	61,127	32,744	6,548	7s.	,, ,, ,, ,,
3. Dingee	8,878	4,394	4,394	7s.	,, ,, ,, ,,
4. Katandra ..	14,174	11,254	7,371	7s.	,, ,, ,, ,,
5. North Shepparton	121,530	61,238	13,291	7s.	,, ,, ,, ,,
6. Rochester ..	181,303	56,746	57,186	6s.	,, ,, ,, ,,
7. Rodney ..	272,664	190,671	61,076	6s.	,, ,, ,, ,,
8. Shepparton ..	24,488	21,367	21,367	6s.	,, ,, ,, ,,
9. South Shepparton	33,615	17,955	4,413	6s.	,, ,, ,, ,,
10. Tongala-Stanhope	76,176	47,763	48,182	6s.	,, ,, ,, ,,
11. Tragowel Plains	217,147	148,421	31,156	7s.	,, ,, ,, ,,
Totals ..	1,091,240	649,271	266,323		
Supplied from Torrumbarry System.					
12. Cohuna ..	71,899	35,465	35,651	6s.	,, ,, ,, ,,
13. Fish Point ..	6,327	3,756	1,845	6s.	,, ,, ,, ,,
14. Kerang ..	85,232	54,976	18,968	5s.	,, ,, ,, ,,
15. Koondrook ..	81,331	22,724	22,724	6s.	,, ,, ,, ,,
16. Leitchville ..	13,808	12,109	4,258	6s.	,, ,, ,, ,,
17. Mystic Park ..	20,260	7,928	2,690	6s.	,, ,, ,, ,,
18. Swan Hill ..	36,487	21,868	21,873	6s.	,, ,, ,, ,,
19. Third Lake ..	11,482	3,816	2,543	6s.	,, ,, ,, ,,
Totals ..	326,826	162,642	110,552		
Supplied from Southern State Works.					
20. Maffra–Sale ..	51,621	21,598	21,598	10s.	,, ,, ,, ,,
21. Bacchus Marsh ..	6,656	3,332	3,332	22s. 6d.	1st October, 1939, to 30th April, 1940
22. Werribee ..	10,135	8,154	8,155	12s.	,, ,, ,, ,,
Totals ..	68,412	33,084	33,085		
Supplied direct from River Murray.				For each 2½ acre feet delivered in six waterings.	
23. Merbein ..	10,354	7,755	19,388	62s. 6d.	1st August, 1939, to 30th April, 1940
24. Nyah	3,837	2,834	7,397	53s. 4d.	,, ,, ,, ,,
25. Red Cliffs ..	30,963	11,269	28,171	70s.	,, ,, ,, ,,
Totals ..	45,154	21,858	54,956		
Grand Totals ..	**1,531,632**	**866,855**	**464,916**		

C.—SALES OF WATER CHARGES.

Irrigation and Water Supply District.	Area of District in Acres.	Unit Charge per Acre foot for Water Supplied as Sales.	Period of Charge.
1. Campaspe	19,767	6s.	1st. July 1939, to 30th June, 1940
2. Deakin	163,970	6s.	,, ,, ,, ,,
3. Tresco	3,482	20s.	,, ,, ,, ,,
Total	**187,219**		

FINANCE.

(W. Lambert, B.Com., D.P.A., A.F.I.A., Accountant.)

REVENUE.

The Revenue Collections for the financial year 1939–40 were in excess of the previous year and again set a new record of total collections. The respective amounts collected during the past three years were £560,241 for 1937–38, £560,679 for 1938–39, and £615,277 for 1939–40.

The amount collected, which included arrears, represented the equivalent of 123 per cent. of the year's assessment (£498,791) for rates and charges. Additional charges for sales of water, interest on arrears, meter rents, &c., were £144,372. The total collectable new money for the year, therefore, was £643,163 of which the actual sum collected (£615,277) represented the equivalent of 96 per cent.

An amount of £110,687 was written off the books of the Commission for the financial year 1939–40 as compared with £101,540 for the previous year. The large amounts written off over the past two years are mainly the result of adjustment of arrears of rates and charges authorized under the provisions of the *Farmers' Debts Adjustment Act* 1935, No. 4326, and the *Water Act* 1937, No. 4513, respectively.

Total adjustments of water-users' accounts under the provisions of the Farmers' Debts Adjustment Act involved a remission of £76,924 as at 30th June, 1940, representing 1,174 individual cases. Pursuant to the *Water Act* 1937, No. 4513, adjustments have been made in the accounts of 1,842 water-users, involving the waiving, as at the above-mentioned date, of a sum of £125,446. In addition to the amounts waived under the provisions of both Acts above referred to, water-users have been given extended time to pay the indebtedness as adjusted. The loss attributable to Crown lands which lessees have vacated, leaving no assets, amounted to £5,874 for the year 1939–40.

The arrears of rates and charges were reduced from £748,567 as at 1st July, 1939, to £661,012 as at 30th June, 1940.

EXPENDITURE.

The expenditure for the year on maintenance, water distribution, and management included £28,948 from Revenue for administrative charges on Unemployment Relief Loans Works, and the comparative figures for 1938–39 are set out hereunder:—

	1939–40.	1938–39.
	£	£
From Annual Vote Appropriation	478,403 ..	428,864
From Unemployment Relief (Taxation)Funds	8,250 ..	43,724
	486,653	472,588

An amount of £748,964 was expended during the year on capital construction works, reconstruction, and replacements, and river improvements from funds provided as under:—

	£
Ordinary Loan Funds (Acts Nos. 4612, 4655, and including Treasurer's Advance £12,019)	426,825
Unemployment Relief Loan Funds (Act 4097)	289,764
Commonwealth Defence Works (U.R.) Account	32,375
	748,964

The total expenditure on works carried out or supervised by the Commission for the year 1939–40 from all sources was as set out hereunder :—

	£	£	£
Vote Funds	478,403		
Unemployment Relief (Taxation) Funds	8,250		
		486,653	
Ordinary Loan Funds—			
Commission Works	375,054		
Waterworks Trusts and Local Bodies	51,771		
		426,825	
Unemployment Relief Loan Funds (Act 4097)		289,764	
Commonwealth Defence Works (U.R.) Account		32,375	
Drainage Trust Funds		324	
Water Supply Works Depreciation Fund		1,585	
Special Appropriation		3,507	
Total Expenditure on construction, operation, maintenance, and administration of Commission Works and Water Supply Works supervised by Commission			1,241,033

Expenditure on war precautions under the provisions of the *National Security Act* 1939, No. 4645, amounted to £9,364. This expenditure is additional to that recorded above, and although charged by the Treasury to the annual cost of operations in respect to country water supply works, the expenditure has not been debited direct to water-users.

In addition, water supply and sewerage works have been constructed at the request of the military authorities for a number of military and internment camps. The expenditure (£82,192) incurred during the year on this work was met from Commonwealth Funds.

CAPITAL LIABILITY.

The Capital Loan Liability of the State for Works of Country Water Supply at 30th June, 1940, was £27,237,306, of which amount £21,463,709 is charged to the "Capital Expenditure Borne by the State Account," £1,950,718 is charged to Waterworks Trusts and Local Government Bodies, £36,483 is debited to the Plant and Machinery Account, and the balance, £3,786,396, represents the Capital Liability, after adjustment, debited to Districts and Divisions directly under the control of the Commission. These figures are exclusive of an equity of £1,648,173 in the National Debt Sinking Fund.

The average rate per cent. of Interest for 1939–40 debited by the Treasury on the Capital Liability for works of country Water Supply Works was £3 18s. 11d.

The amounts debited to Country Water Supply Works on account of interest and exchange on overseas interest were :—

	£	*s.*	*d.*
Interest	1,096,718	12	9
Exchange on overseas interest	110,255	3	3
	1,206,973	16	0

The amount paid by the Treasury in respect of exchange on overseas interest has not been debited direct to water-users. The following statement shows the approximate Interest payment for 1939–40 in relation to the Capital Liability.

Capital Debited to—	Capital Liability as at 30th June, 1940.	Proportion of Interest Liability (excluding exchange).		
	£	£	*s.*	*d.*
Districts and Divisions under the direct control of the Commission	3,786,396	144,870	9	9
Waterworks Trusts and Local Governing Bodies	1,950,718	84,945	7	0
Plant and Machinery Account	36,483	627	13	1
Capital Expenditure Borne by the State Account	21,463,709	866,275	2	11
	27,237,306	1,096,718	12	9

DEPRECIATION.

The amount standing at credit of the Depreciation Account in the Commission's books as at 30th June, 1940, including interest, was £87,452 18s. 6d. The amount at credit of the Water Supply Works Depreciation Fund kept in the Treasury as at 30th June, 1940, was, however, only £12,462 0s. 4d. The balance, therefore, in the Depreciation Account in the Commission's books not yet credited to the Fund by the Treasury is £74,990 18s. 2d.

While there is sufficient money in the fund to meet estimated commitments for 1940–41, it is desired to point out that expenditure from depreciation must of necessity increase as replacements become more urgent in the near future, and the omission to transfer to the Depreciation Fund moneys actually collected from ratepayers and paid to Consolidated Revenue in respect of Depreciation each year will, when large expenditure is involved in any year, necessitate the transfer from the Commission's revenue in one year of an unusually large sum.

This would have undesirable features in that, as the net revenue shown for the year would be much lower than in previous years, it might appear that the Commission had failed in its duty to collect rates and charges; furthermore the necessity to transfer large sums from the Commission's revenue to meet heavy commitments on the Depreciation Fund may occur in a year which might embarrass the Budgetary equilibrium.

Details of the Water Supply Works Depreciation Accounts are set out on pages 69–71 of this report.

STORES SUSPENSE ACCOUNT AND PLANT AND MACHINERY ACCOUNT.

	£	s.	d.
The value of Stores and Equipment held in the Stores Suspense Account as at 30th June, 1940, was	84,317	4	11
The value of movable Plant and Machinery held in the Plant and Machinery Account as at 30th June, 1940, was	36,483	0	0

Plant and machinery controlled in the Plant and Machinery Account is hired to the particular works on which any of the plant is engaged at rates sufficient to provide interest and redemption on the capital cost of the plant, a reserve fund for major overhauls, and depreciation adequate to renew the plant when it has reached the end of its useful life. Interest (£627 13s. 1d.) and redemption (£39 8s. 10d.) have been paid in full to 30th June, 1940.

The amount of the hire charge representing Depreciation is paid direct to the credit of the Water Supply Plant and Machinery Depreciation Fund which is kept in the Treasury. The amount at credit of this fund, which is interest-bearing, was £4,660 19s. 8d. as at 30th June, 1940.

The hire charge account is in credit to the extent of £1,256 2s. 4d. It is desirable that the hire charges should be kept in credit in order that funds may be available to meet interest and redemption charges, &c., in any year when circumstances may not permit the plant to be employed to full capacity.

REVENUE EXPENDITURE CHARGEABLE TO THE STATE ACCOUNT.

The Commission, by direction of the Governor in Council, has, throughout 1939–40, continued the water supply to 14 Waterworks Districts, 2 Irrigation Districts, 15 Urban Districts, and 3 Urban Divisions, in respect of which Districts and Divisions the works would not produce sufficient revenue to cover the expenses of maintenance and management. Section 6 of the *Water Act* 1937, No. 4513, provides that the annual amount of the loss resulting from the maintenance and management of such works shall be transferred in the books of the Commission to the "Revenue Expenditure Chargeable to the State Account." The amounts so transferred have been—1938–39 £57,185, 1939–40 £62,826. In nineteen of these districts an aggregate cash surplus of revenue over expenditure of £3,467 was obtained after meeting interest charges (£34) in respect to cost of Capital works debited to districts subsequent to the Capital Adjustment. Of this surplus an amount of £815 was transferred to Depreciation Account and £1 to Redemption. The net amount debited to the "Revenue Expenditure Chargeable to the State Account" was £60,175.

The above figures are exclusive of interest due on Capital Liability incurred in respect of works under construction, which has accrued due before the first rate or charge has been made. Such interest charges are, in accordance with the provisions of the Water Act, No. 4513, charged to the "Revenue Expenditure Chargeable to the State Account."

FINANCIAL STATEMENTS.

Financial statements in respect of the various districts and divisions controlled and supervised by the Commission are set out on the following pages.

FINANCIAL OPERATIONS 1939–40.

A complete analysis of the Commission's financial operations during the year would involve the division of the Commission's activities into those which might be regarded as "Paying" Districts or business undertakings, as "Non-paying" Districts or subsidized utilities, and as national services respectively.

Pursuant to the *Water Act* 1937, No. 4513, the Capital Liability of Country Water Supply Works was adjusted by debiting to water-users, such amounts of Capital Liability in respect of which interest and redemption could be paid on the basis of existing rates and charges after providing for operating costs, management, and depreciation. The balance of the Capital Liability, including the Capital cost of Free Headworks and other National Works, was transferred to the "Capital Borne by the State Account."

As the water rates and charges in respect of those districts and divisions, the Capital Liability of which has been adjusted, are expected to meet the costs of management and operation in addition to depreciation and interest and redemption on the Capital as adjusted, such districts might be regarded as being within the category of a business undertaking.

"Paying" Districts.

The Districts from which revenue is sufficient to meet all operating, maintenance depreciation, interest, and redemption charges on allotted capital are:—

Irrigation and Water Supply Districts.

Bacchus Marsh	Dry Lake	Murray Valley	Shepparton
Boort	Katandra	Mystic Park	South Shepparton
Calivil	Kerang	North Shepparton	Swan Hill
Campaspe	Koondrook	Nyah	Third Lake
Cohuna	Leitchville	Red Cliffs	Tongala–Stanhope
Deakin	Maffra–Sale	Rochester	Tragowel Plains
Dingee	Merbein	Rodney	Werribee

Waterworks Districts.

Axe Creek	Hindmarsh	Normanville	Western Wimmera
Bellarine Peninsula	Long Lake	Otway	Wimmera United
Birchip	Mornington Peninsula	Upper Wimmera United	Wycheproof
Harcourt	Newstead	Werribee	

Urban Districts and Divisions.

Antwerp	Dooen	Newstead	Waitchie
Barwon Heads and Ocean Grove	Frankston	North Wonthaggi	Walpeup
Berriwillock	Garfield	Nullawil	Watchem
Berwick	Hastings	Nyah	Werrimull
Birchip	Hicksborough	Ouyen	Wonthaggi
Brim	Hopetoun	Pakenham	Woomelang
Bunyip	Jeparit	Pyramid Hill	Woorinen
Camperdown	Lalbert	Quambatook	Wycheproof
Carrum	Lascelles	Queenscliff and Point Lonsdale	Yaapeet
Chillingollah	Longwarry	Rainbow	Bacchus Marsh
Chinkapook	Manangatang	Rupanyup	Cohuna
Cobden	Marnoo	Sea Lake	Dingee
Coliban	Marong	Somerville	Leitchville
Cranbourne	Merbein	South Frankston	Lockington
Crib Point	Minyip	Spring Vale	Red Cliffs
Culgoa	Mornington	Tempy	Stanhope
Dandenong	Mount Martha	Terang	
Dimboola	Nandaly	Torquay	
	Natimuk		

	£
The surplus Revenue over Expenditure in respect of these districts after providing for interest, redemption, and depreciation was	41,820

"Non-Paying" Districts.

There are, however, certain Districts and Divisions where the revenue from existing rates and charges is insufficient to meet operating costs. The works in such centres may be maintained by direction of Parliament or the Governor in Council, in which case the whole of the Capital Liability is borne by the State, and the loss resulting from the maintenance and management is transferred to the "Revenue Expenditure Chargeable to the State Account." The supply to these centres might be regarded as a "utility service" as against a "business undertaking."

The Districts from which estimated Revenue is insufficient to meet operating costs and to which supplies of water are being continued by direction of the Governor in Council are:—

Irrigation and Water Supply Districts.

* Fish Point Tresco

Waterworks Districts.

Carwarp	Kerang North-West Lakes	*Sea Lake	Upper Western Wimmera
Carwarp Central	Millewa	Tyntynder	*Walpeup West
Coreena	Millewa Central	Tyrrell	Yelta
Karkarooc		Tyrrell West	

Urban Districts and Divisions.

*Corop	*Bittern	*Lake Boga	*Piangil
*Heyfield	*Carwarp	*Meringur	*Portarlington
Murrabit	*Drysdale	*Nyah West	*Speed
*Anglesea	*Jung Jung	*Patchewollock	*Ultima
*Beulah	Koondrook		

* In districts marked "*" the operations for 1939–40 resulted in an aggregate surplus of £3,467. Of this amount a sum of £816 has been applied to depreciation account and redemption.

	£
The net amount debited to the "Revenue Expenditure Chargeable to the State Account" in respect of districts maintained during 1939–40 by direction of the Governor in Council, in which the Revenue would be insufficient to meet operating costs, was	60,175

National Services.

Included in the heading of "National Services" are such items as Contribution by the State of Victoria towards the operation and maintenance of River Murray Works, Maintenance and management of Free Headworks, Administration in respect of expenditure from Unemployment Relief Funds, Expenditure under provisions of National Security (Emergency Powers) Act 4645, Superannuation Charges, Supervision of Waterworks Trusts and Sewerage Authorities, and River Gaugings and Investigations.

	£
The Total Cost of Services of a National Character administered by the Commission during 1939–40 was	83,901
From this amount may be deducted miscellaneous revenue collected in respect to Diversion permits, rents, &c.	16,804
Net Cost of National Services 1939–40	67,097

No contribution is made to the Commission's revenue to offset the "utility services" and "national services" which the Commission is directed to administer but which are not completely covered by rates or charges.

Net Cost to State.

It is indicated on page 21 of the Auditor-General's Report for 1939–40 that "the net cost to the State for the year in connexion with country Water Supply which has been met from general revenue was £1,010,391 11s. 7d." (this figure includes the cost of the services above referred to, also the sum of £9,364 expended on war precautions). The equivalent figure stated annually is often incorrectly quoted as a "loss" by water-users, whereas the only amount which, on the existing basis of rates and charges, might be correctly regarded as a "loss" is the amount of £60,175 mentioned above, being the deficiency on Districts in which it was realised that the revenue would be insufficient to meet expenses and to which, as already intimated, the supply of water is continued by direction of the Governor in Council. As against this, the result in other districts controlled by the Commission was a surplus of £41,820.

A summary of the total cost (£1,010,391) to the State for the year is set out hereunder—a more detailed analysis is set out on page 50 of this report.

	£	£	£
Total Cost to State			1,010,391
Loss on "Non-Paying" Districts		60,175	
Cost of "National Services"		67,097	
Interest and Exchange on Headworks, &c., borne by State	976,530		
Less Interest on Lands sold	1,573		
		974,957	
		1,102,229	
Deduct amount paid to Revenue in respect of Depreciation (£42,673) and Redemption (£7,345) ..		50,018	
		1,052,211	
Deduct surplus on "Paying" Districts		41,820	
Net Total Cost to State			1,010,391

If the Commission's Estimates each year could be presented to Parliament in a manner separating the cost of the operation of Districts with adjusted Capital Liability from the works maintained in non-paying Districts by direction of the Governor in Council and from services of a national character not directly debitable to water-users, and the operations analysed in like manner in the Auditor-General's Annual Report, it is considered a better interpretation and appreciation of the numerous and important functions controlled and administered by the Commission would result.

It is unfortunate that, when comment is made in respect to the operation of country water supply works, credit is not often given for the large sums involved in continuing supplies to non-paying districts and for the value of the national services rendered to the State. Were an appraisement possible of the indirect value to the State of the extensive works administered and maintained by the Commission, it would, no doubt, be abundantly evident that the contribution by the State of one million pounds for the year would be but a fraction, in terms of money, of the benefits derived—the cost borne by the State represents approximately 10s. per capita of the population of the State of Victoria.

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RESULT OF OPERATIONS IN DISTRICTS

Disbursements, 1939–40.

	Operating Expenses.	Interest on Capital Allotted.	Depreciation Paid by Districts.	Redemption Paid by Districts.	Total Disbursements.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Coliban Works	22,589 11 3	16,111 16 5	9,295 10 9	77 12 10	48,074 11 3
Irrigation Districts	171,952 11 6	66,546 7 5	15,699 16 0	4,378 13 5	258,577 8 4
Irrigation Urban Divisions	2,548 8 8	1,542 7 6	827 8 10	151 3 3	5,069 8 3
Waterworks Districts	180,641 14 4	32,587 13 4	1,041 0 9	768 18 8	215,039 7 1
Waterworks Urban Districts	27,811 11 1	27,578 4 7	14,945 18 2	1,582 4 0	71,917 17 10
Flood Protection Districts	5,383 12 7	504 0 6	..	386 4 5	6,273 17 6
Drainage Districts	16,597 16 9	..	863 8 11	..	17,461 5 8
	427,525 6 2	144,870 9 9	42,673 3 5	7,344 16 7	622,413 15 11
Expenditure not chargeable to Districts—					
Free Headworks	9,318 15 10	..	..	..	9,318 15 10
Others	53,316 9 5	..	..	..	53,316 9 5
	490,160 11 5	144,870 9 9	42,673 3 5	7,344 16 7	685,049 1 2

SUMMARY OF OPERATIONS FOR YEAR 1939-40.

	£ s. d.	£ s. d.
REVENUE, 1939–40—		
From Districts and other activities under the control of the Commission	615,277 6 4	
Less transfer to State Loans Repayment Fund	376 6 11	
		614,900 19 5
Add amount available from Unemployment Relief Fund towards maintenance		8,250 5 8
		623,151 5 1
Surplus brought down		132,990 13 8
Interest on Loans paid to Treasury by Waterworks Trusts and Local Governing Bodies		84,945 7 0
Interest on Sale of Land	1,573 17 2	
Interest Plant and Machinery Account	627 13 1	
		2,201 10 3
		220,137 10 11
Balance available towards Interest and Exchange		196,582 4 5
Balance being net amount borne by the State not chargeable to water users		1,010,391 11 7
		1,206,973 16 0

	£ s. d.	£ s. d.
EXPENDITURE, 1939–40—		
From—		
Annual Vote	478,403 2 3	
Special Appropriation	3,507 3 6	
		481,910 5 9
Unemployment Relief Fund	8,250 5 8	
		490,160 11 5
Surplus carried down		132,990 13 8
		623,151 5 1
Amount debited by Treasury for Pensions and Gratuities		14,191 15 7
Expended under Provisions of National Security (War Precautions) Act No. 4645		9,363 10 11
Balance available towards payment of Interest and Exchange, Depreciation and Redemption carried down		196,582 4 5
		220,137 10 11
Interest on Total Loan Liability		1,096,718 12 9
Exchange on Interest Payments		110,255 3 3
		1,206,973 16 0

ANALYSIS OF EXPENDITURE BORNE BY THE STATE, 1939-40.

	£ s. d.	£ s. d.
Services of a National Character—		
Maintenance River Murray Commission Works. Contribution by State of Victoria in accordance with the provisions of the River Murray Waters Acts	9,650 0 0	
Maintenance and Management of Free Headworks	7,030 16 5	
Administration and General Expenditure in respect to Expenditure from Unemployment Relief Funds	28,948 8 5	
Expenditure under provisions of National Security (Emergency Powers) Act No. 4645	9,363 10 11	
Superannuation	14,191 15 7	
River Gaugings and Investigations and Supervision of Waterworks Trusts and Sewerage Authorities, &c.	14,718 1 0	
	83,902 12 4	
Less Revenue from Headworks, Diversions, Permits, &c.	16,804 19 8	
		67,097 12 8
Exchange on Overseas Interest Payments	110,255 3 3	
Interest on Capital Expenditure on Free Headworks, and other Capital Expenditure Borne by the State	866,275 2 11	
	976,530 6 2	
Less Interest on Lands Sold	1,573 17 2	
		974,956 9 0
Total		1,042,054 1 8
Deduct Surplus from operation of Commission Districts—	£ s. d.	
Surplus on operation of Districts the Capital Liability in respect of each of which has been adjusted under Act No. 4513	41,819 11 1	
Amounts paid to Revenue in respect of Depreciation (£41,858 11s. 3d.) and Redemption (£7,343 7s. 11d.)	49,201 19 2	
	91,021 10 3	
Less Loss on operation of Districts supplies to which are continued by direction of Governor in Council, Act No. 4513	60,175 1 0	
Less Surplus Revenue over expenditure in certain of these Districts paid to revenue for Depreciation (£814 12s. 2d.) and Redemption (£1 8s. 8d.). Total net surplus revenue was £2,651 5s. 3d.	816 0 10	
	59,359 0 2	
		31,662 10 1
Net Expenditure borne by the State		1,010,391 11 7

UNDER CONTROL OF COMMISSION.

Receipts, 1939-40.

—	Total Receipts.	Less Transfers to State Loans Repayment Fund.	Total Collections Paid to Consolidated Revenue.	Excess.	
				Receipts over Disbursements.	Disbursements over Receipts.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Coliban Works	48,527 6 10	..	48,527 6 10	452 15 7	..
Irrigation Districts	284,545 17 2	..	284,545 17 2	25,968 8 10	..
Irrigation Urban Divisions ..	7,622 16 8	..	7,622 16 8	2,553 8 5	..
Waterworks Districts	144,235 14 2	..	144,235 14 2	..	70,803 12 11
Waterworks Urban Districts ..	91,341 18 11	..	91,341 18 11	19,424 1 1	..
Flood Protection Districts ..	8,599 1 0	376 6 11	8,222 14 1	2,325 3 6	..
Drainage Districts	13,599 11 11	..	13,599 11 11	..	3,861 13 9
	598,472 6 8	376 6 11	598,095 19 9	50,723 17 5	74,665 6 8
Free Headworks	2,823 12 10	..	2,823 12 10	..	..
Miscellaneous	13,981 6 10	..	13,981 6 10	..	..
	615,277 6 4	376 6 11	614,900 19 5	..	..

Capital Expenditure 1939-40—

	£ s. d.	£ s. d.
Expenditure during the year on Capital Works of Water Supply—		
Ordinary Loan Funds		414,806 6 0
State Unemployment Relief Funds		289,763 18 2
Treasurer's Advance		12,018 10 9
Total Capital Expenditure from Ordinary Sources. (Details pages 65-67)		716,588 14 11
Additional Expenditure on Capital Works from Commonwealth Defence Works Unemployment Relief Funds		32,374 14 6
Total Capital Expenditure during year		748,963 9 5

Loan Capital Liability—

Net Loan Liability of State for Works of Country Water Supply at 30th June, 1940 ..		26,041,916 1 4
Represented by—		
Works at Debit of Authorities—		
Commission Districts	3,786,395 6 11	
Water Supply Plant and Machinery Account	36,483 8 1	
Waterworks Trusts and Local Governing Bodies	1,950,718 5 3	
		5,773,597 0 3
Capital Expenditure Borne by the State—		
Free Headworks	1,226,340 16 8	
Capital Works and Charges not apportionable to Districts ..	1,304,852 9 5	
Headworks and Distributary Works	17,689,154 7 6	
Waterworks Trusts and Local Governing Bodies	1,101,005 10 9	
Free Grants to Local Authorities in early years	142,356 4 11	
		21,463,709 9 3
Net Loan Capital Liability of Commission Districts, Divisions and Works under control of the Commission		27,237,306 9 6
Less Amount from National Debt Sinking Fund		1,395,390 8 2
		25,841,916 1 4
Add Cash on Hand at Treasury		200,000 0 0
Net Liability Country Water Supply Capital Account in Treasury		26,041,916 1 4

Interest and Exchange—

The Total Interest due on the Loan Liability for 1939-40 is		1,096,718 12 9
To which is to be added Exchange payable on Overseas Interest		110,255 3 3
		1,206,973 16 0
Interest Debitable to—		
Works at Debit of Authorities—		
Commission Districts	144,870 9 9	
Trusts	84,945 7 0	
Water Supply Plant and Machinery Account	627 13 1	
		230,443 9 10
Capital Expenditure Borne by the State—		
Free Headworks	49,464 4 3	
Capital Works and Charges not apportionable to Districts ..	52,632 3 9	
Headworks and Distributary Works not Debited to Districts	714,027 0 5	
Free Grants to Local Authorities and Amounts Written off over 41 years ago	50,151 14 6	
		866,275 2 11
		1,096,718 12 9
Exchange not apportioned		110,255 3 3
		1,206,973 16 0

RECEIPTS AND DISBURSEMENTS.

STATEMENT of Moneys received and disbursed during the year ended 30th June, 1940.

Works.	Receipts (Exclusive of Credits for Urban Water).			Disbursements (exclusive of Interest, Redemption, and Depreciation Charges, and Charges for Rural Water).		
	Total.	Paid to— (a) Depreciation Fund; (b) State Loans Repayment Fund.	Paid to Consolidated Revenue.	From Annual Votes and Special Appropriation.	From Unemployment Relief (Taxation) Fund.	Total.
District Works.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Coliban Works	48,527 6 10	..	48,527 6 10	22,535 1 10	54 9 5	22,589 11 3
Free Headworks—						
Broken River Works ..	..	..	..	..	83 6 1	83 6 1
Goulburn River Works ..	767 3 11	..	767 3 11	4,312 3 1	1,859 5 2	6,171 8 3
Kow Swamp Works ..	1,154 2 5	..	1,154 2 5	1,973 13 4	345 8 2	2,319 1 6
Lake Lonsdale Reservoir ..	223 17 8	..	223 17 8	46 15 5	..	46 15 5
Loddon River Works ..	274 0 11	..	274 0 11	356 10 5	..	356 10 5
North-West Lakes Works ..	404 7 11	..	404 7 11	341 14 2	..	341 14 2
Irrigation Districts ..	284,545 17 2	..	284,545 17 2	167,194 3 10	4,758 7 8	171,952 11 6
Irrigation Urban Divisions ..	7,622 16 8	..	7,622 16 8	2,548 8 8	..	2,548 8 8
Waterworks Districts ..	144,235 14 2	..	144,235 14 2	179,837 10 9	804 3 7	180,641 14 4
Waterworks Urban Districts	91,341 18 11	..	91,341 18 11	27,600 15 2	210 15 11	27,811 11 1
Flood Protection Districts ..	8,599 1 0	(b) 376 6 11	8,222 14 1	5,383 12 7	..	5,383 12 7
Drainage Districts	13,599 11 11	..	13,599 11 11	16,463 7 1	134 9 8	16,597 16 9
Miscellaneous Expenditure (not directly chargeable to Districts)—						
Loch Garry (proportion of maintenance borne by State)	..	..	..	502 9 5	..	502 9 5
Irrigation Branch ..	..	..	..	901 16 5	..	901 16 5
Waterworks Trusts and Sewerage Authorities ..	..	..	..	2,390 7 6	..	2,390 7 6
Cobungi and Water Weed Research—State Grant to Council for Scientific and Industrial Research ..	..	..	..	250 0 0	..	250 0 0
Rivers and Reclamation Division—Surveys, Investigations, &c. ..	..	..	..	7,016 4 2	..	7,016 4 2
Compensation	..	..	..	150 0 0	..	150 0 0
River Murray Commission—State contribution towards maintenance River Murray Works ..	..	..	..	9,650 0 0	..	9,650 0 0
Administration of Unemployment Relief Loan Works, &c.	..	..	..	28,948 8 5	..	28,948 8 5
Special Appropriation, Act No. 3801, sections 19, 20, Administration	..	..	..	3,507 3 6	..	3,507 3 6
Miscellaneous Collections—(Diversion Permits, Rents, &c.)	13,981 6 10	..	13,981 6 10	..	..	..
Totals	615,277 6 4	(b) 376 6 11	614,900 19 5	*481,910 5 9	8,250 5 8	†490,160 11 5

	£ s. d.
Net Receipts paid to Consolidated Revenue	614,900 19 5
Total Disbursements from Votes and Special Appropriation	481,910 5 9
Surplus available towards meeting Interest and other Treasury Charges ..	132,990 13 8

*Included in the above figures is an amount of £28,948 8s. 5d., being Administration and General Expenditure Charges, in connexion with Unemployment Relief Loan Works, not directly chargeable to water users.

In addition, the expenditure on services of a national character, not directly chargeable to water users, was £21,409 0s. 5d. This sum is comprised of:—Administration charges under Special Appropriation (£3,507 3s. 6d.); Administration of Waterworks Trusts and Sewerage Authorities (£2,390 7s. 6d.); Maintenance of Free Headworks (£4,207 3s. 7d.); Proportion of Loch Garry Flood Protection District borne by State under Agreement (£502 9s. 5d.); Contribution by State towards maintenance River Murray Works (£9,650); Other Expenditure (£1,151 16s. 5d.).

†Expenditure amounting to £9,363 10s. 11d., under the provisions of the National Security (Emergency Powers) Act (No. 4645) has not been included in the above statement.

COLIBAN SYSTEM.

STATEMENT of Moneys received and disbursed during the year ended 30th June, 1940, and of Interest charged at the rate of 3·978 per cent. on Capital Debits; and also of Depreciation and Redemption charged as at 30th June, 1940.

District.	Receipts.	Disbursements.					Excess Disbursements over Receipts.	Excess Receipts over Disbursements.
		Operating Costs.	Depreciation Charges (See page 70).	Redemption.	Interest.	Total.		
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
1. Coliban	46,270 11 11	21,763 3 8	9,182 14 5	..	15,324 13 10	46,270 11 11	..	..
2. Axe Creek	331 3 5	225 17 7	..	..	124 9 5	350 7 0	19 3 7	..
3. Harcourt	1,744 1 4	537 14 5	39 0 0	77 12 10	617 14 11	1,272 2 2	..	471 19 2
4. Marong	181 10 2	62 15 7	73 16 4	..	44 18 3	181 10 2	..	..
Totals	48,527 6 10	22,589 11 3	9,295 10 9	77 12 10	16,111 16 5	48,074 11 3	19 3 7	471 19 2

DISTRICTS HELD IN TRUST BY THE COMMISSION.

STATEMENT of Receipts and Disbursements for the year ended 31st December, 1939.

Receipts.

Name of Trust.	Bank Balance at 1st January, 1939.	1939.				Grand Total for Year 1939.
		Rates.	Water Sales.	Interest and Miscellaneous.	Total.	
	£	£	£	£	£	£
Carrum	*Cr.* 40	1,573	..	226	1,799	1,839
Loddon United	*Cr.* 584	1,832	85	174	2,091	2,675
Loddon United (Mitiamo Urban)	..	177	..	244	421	421
Totals	*Cr.* 624	3,582	85	644	4,311	4,935

Disbursements.

Name of Trust.	Capital Debit, 31st December, 1939.	1939.					Grand Total for Year 1939.	Bank Balance Carried Forward 1st January, 1940.
		Maintenance and Water Distribution.	Management.	Total.	Interest.	(A) Depreciation; (B) Redemption.		
	£	£	£	£	£	£	£	£
Carrum	24,937	443	112	555	1,200	..	1,755	*Cr.* 84
Loddon United	1,485	1,340	116	1,456	82	(B) 454	1,992	*Cr.* 683
Loddon United (Mitiamo Urban) ..	4,726	148	15	163	198	(A) 28 (B) 32	421	..
Totals	31,148	1,931	243	2,174	1,480	(A) 28 (B) 486	4,168	*Cr.* 767

FLOOD PROTECTION DISTRICTS.

STATEMENT of Moneys received and disbursed from 1st July, 1920, to 30th June, 1940, and of Interest charged at the rate of 3·978 per cent. on Capital Debits, and also of Redemption charged as at 30th June, 1940.

RECEIPTS.

District.	1st July, 1920, to 30th June, 1939.	1939–40.			Grand Total at 30th June, 1940.
		Charge.	Interest and Miscellaneous.	Total.	
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
1. Cardinia	28,446 8 6	2,598 18 6	89 10 9	2,688 9 3	31,134 17 9
2. Kanyapella	3,871 18 5	260 0 5	32 17 5	292 17 10	4,164 16 3
3. Kooweerup Lower	62,199 14 1	4,793 4 3	252 1 0	5,045 5 3	67,244 19 4
4. Loch Garry	12,114 17 8	558 4 2	14 4 6	572 8 8	12,687 6 4
Totals	106,632 18 8	8,210 7 4	388 13 8	8,599 1 0	115,231 19 8

DISBURSEMENTS AND INTEREST, AND REDEMPTION CHARGED.

District.	Disbursements.					Interest Charged.			Redemption paid to— (A) Redemption Funds; (B) Revenue.	Grand Total at 30th June, 1940.
	1st July, 1920, to 30th June, 1939.	1939–40.			Total at 30th June, 1940.	1st July, 1920, to 30th June, 1939.	1st July, 1939, to 30th June, 1940.	Total at 30th June, 1940.		
		Repairs and Maintenance.	Administration.	Total.						
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
1. Cardinia ..	9,119 6 11	838 19 1	501 13 7	1,340 12 8	10,459 19 7	26,429 1 2	..	26,429 1 2	..	36,889 0 9
2. Kanyapella ..	1,196 17 3	36 19 8	18 8 8	55 8 4	1,252 5 7	2,118 4 0	156 6 3	2,274 10 3	(B) 29 14 6	3,556 10 4
3. Kooweerup Lower ..	16,698 0 7	2,234 19 10	1,250 2 5	3,485 2 3	20,183 2 10	58,969 3 2	..	58,969 3 2	..	79,152 6 0
4. Loch Garry	1,243 3 9	391 7 6	111 1 10	502 9 4	1,745 13 1	6,282 15 0	347 14 3	6,630 9 3	(A) 4,286 12 8	12,662 15 0
Totals ..	28,257 8 6	3,502 6 1	1,881 6 6	5,383 12 7	33,641 1 1	93,799 3 4	504 0 6	94,303 3 10	(A) 4,286 12 8 (B) 29 14 6	132,260 12 1

IRRIGATION AND WATER SUPPLY DISTRICTS.

STATEMENT of Moneys received from 1st May, 1906, to 30th June, 1940.

RECEIPTS.

District.	1st May, 1906, to 30th June, 1939.	1939–40.						Grand Total at 30th June, 1940.
		Rates.	Compulsory Irrigation Charges.	Water Sales.	Interest and Miscellaneous.	Total.	Urban Water.	
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
1. Bacchus Marsh	136,344 14 7	772 1 0	3,418 3 7	758 15 9	375 1 8	5,324 2 0	545 0 0	142,213 16 7
2. Boort	111,016 15 0	968 12 5	2,791 18 4	1,383 16 0	175 8 6	5,319 15 3	..	116,336 10 3
3. Calivil	30,894 12 8	841 14 6	1,229 16 11	766 14 11	147 0 6	2,985 6 10	..	33,879 19 6
4. Campaspe	24,534 3 0	722 8 2	..	33 9 0	53 5 5	809 2 7	..	25,343 5 7
5. Cohuna	423,878 15 6	3,592 17 6	11,489 8 5	2,750 11 7	648 4 5	18,481 1 11	76 0 0	442,435 17 5
6. Deakin	136,114 14 4	3,083 17 9	..	954 8 11	158 10 2	4,196 16 10	3 0 0	140,314 11 2
7. Dingee	43,845 2 4	155 1 3	1,489 3 1	73 2 11	93 16 3	1,811 3 6	5 0 0	45,661 5 10
8. Dry Lake	984 5 9	..	..	..	..	..	..	984 5 9
*9. Fish Point	10,164 15 5	68 10 0	663 17 3	69 19 5	36 0 8	838 7 4	..	11,003 2 9
10. Katandra	17,645 13 6	436 15 7	1,381 10 0	1,000 2 5	93 14 9	2,912 2 9	..	20,557 16 3
11. Kerang	180,989 9 2	1,713 6 5	3,105 4 2	3,573 6 2	212 11 6	8,604 8 3	..	189,593 17 5
12. Koondrook	244,002 2 7	2,187 3 8	6,946 14 8	994 17 5	374 18 9	10,503 14 6	84 0 0	254,589 17 1
13. Leitchville	34,914 17 5	743 19 0	1,331 5 4	1,015 7 7	56 11 2	3,147 3 1	..	38,062 0 6
14. Maffra–Sale	126,787 16 11	2,950 17 2	10,541 2 3	2,522 18 3	636 10 4	16,651 8 0	100 0 0	143,539 4 11
15. Merbein	550,932 6 6	1,259 1 3	24,456 1 2	376 1 9	447 6 11	26,538 11 1	520 0 0	577,990 17 7
16. Murray Valley	..	156 16 0	..	258 1 3	46 8 3	461 5 6	..	461 5 6
17. Mystic Park	17,637 17 6	197 18 0	1,401 0 10	36 11 6	40 6 8	1,675 17 0	..	19,313 14 6
18. North Shepparton	42,318 10 8	2,370 17 2	2,468 13 6	502 17 5	207 13 2	5,550 1 3	..	47,868 11 11
19. Nyah	168,176 14 7	217 8 3	8,376 14 9	175 11 8	214 8 9	8,984 3 5	237 0 0	177,397 18 0
20. Red Cliffs	545,820 17 7	2,038 0 6	39,781 14 0	1,186 3 1	2,751 18 7	45,757 16 2	598 0 0	592,176 13 9
21. Rochester	439,184 3 4	3,176 16 9	15,882 19 8	2,083 2 10	1,096 10 5	22,239 9 8	15 0 0	461,438 13 0
22. Rodney	756,071 4 3	6,890 7 1	17,182 10 1	2,313 13 3	973 13 1	27,360 3 6	..	783,431 7 9
23. Shepparton	186,449 16 4	1,805 14 7	5,726 10 7	139 12 6	247 5 1	7,919 2 9	..	194,368 19 1
24. South Shepparton	33,748 14 9	776 6 8	1,279 8 11	104 19 8	69 18 7	2,230 13 10	..	35,979 8 7
25. Swan Hill	217,672 2 9	1,674 9 11	7,321 19 10	2,592 8 1	457 0 9	12,045 18 7	..	229,718 1 4
26. Third Lake	13,241 7 8	191 18 5	864 11 0	32 14 10	35 3 3	1,124 7 6	..	14,365 15 2
27. Tongala–Stanhope	288,487 14 10	2,239 8 6	11,803 17 1	941 13 4	757 2 8	15,742 1 7	20 0 0	304,249 16 5
28. Tragowel Plains	348,338 8 11	2,028 19 2	10,738 12 10	1,306 18 4	674 11 8	14,749 2 0	42 0 0	363,129 10 11
*29. Tresco	32,357 3 9	488 9 8	..	1,749 2 6	109 16 1	2,347 8 3	..	34,704 12 0
30. Werribee	140,863 5 11	1,139 11 4	5,398 18 3	1,447 16 3	248 16 5	8,235 2 3	..	149,098 8 2
Totals	5,303,418 7 6	44,889 7 8	197,071 16 6	31,144 18 7	11,439 14 5	284,545 17 2	2,245 0 0	5,590,209 4 8

* Districts marked thus are those whose works will not produce sufficient revenue to cover the expense of the maintenance and management thereof, and where water supplies are being continued by direction of the Governor in Council. The annual amount of loss resulting from the maintenance and management of these districts has been transferred to the "Revenue Expenditure Chargeable to the State Account." (By authority of Order in Council, dated 30th July, 1938, under the provisions of section 6, *Water Act* 1937, (No. 4513).)

IRRIGATION AND WATER SUPPLY DISTRICTS.

STATEMENT of Moneys disbursed from 1st May, 1906, to 30th June, 1940, and of Interest charged at the rate of 3·978 per cent. on Capital Debits, and also of Depreciation and Redemption charged as at 30th June, 1940. (Free Headworks excluded.)

DISBURSEMENTS AND INTEREST, DEPRECIATION, AND REDEMPTION CHARGED.

District.	1st May, 1906, to 30th June, 1939.	Disbursements. 1939–40. Repairs and Maintenance.	Water Distribution.	Administration.	Total.	Total at 30th June, 1940.	Interest Charged. 1st May, 1906, to 30th June, 1939.	1st July, 1939, to 30th June, 1940.	Total at 30th June, 1940.	Depreciation Charges. (See page 69.)	Redemption Paid to— (A) Redemption Funds. (B) Revenue.	Grand Total at 30th June, 1940.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
1. Bacchus Marsh ..	37,620 9 1	2,138 9 8	563 13 0	1,255 4 8	3,957 7 4	41,577 16 5	125,539 19 1	1,445 18 3	126,985 17 4	54 0 0	(B) 411 16 5	169,029 10 2
2. Boort	55,790 9 9	1,617 8 9	961 11 1	1,056 5 9	3,635 5 7	59,425 15 4	58,102 13 9	569 6 5	58,672 0 2	81 0 0	(A) 1,400 0 0 (B) 107 16 4	119,686 11 10
3. Calivil	13,442 14 11	837 17 5	670 18 11	419 12 4	1,928 8 8	15,371 3 7	39,756 7 10	343 2 9	40,099 10 7	39 0 0	(B) 63 9 10	55,573 4 0
4. Campaspe	14,672 3 1	709 13 2	7 17 10	196 5 3	913 16 3	15,585 19 4	13,769 9 4	..	13,769 9 4	..	..	29,355 8 8
5. Cohuna	224,835 19 2	2,705 18 0	1,811 8 8	1,709 11 1	6,226 17 9	231,062 16 11	211,015 13 6	7,702 15 9	218,718 9 3	13,045 0 0	(B) 1,456 13 0	464,282 19 2
6. Deakin	51,191 11 5	643 14 10	456 13 2	403 6 9	1,503 14 9	52,695 6 2	91,496 7 9	1,141 18 0	92,638 5 9	..	(B) 218 4 4	145,551 16 3
7. Dingee	22,353 13 9	411 17 3	311 1 2	216 8 4	939 6 9	23,293 0 6	28,171 7 3	448 18 2	28,620 5 5	30 0 0	(B) 84 12 9	52,027 18 8
8. Dry Lake	1 0 0	..	..	..	..	1 0 0	983 15 10	28 12 0	1,012 7 10	..	(B) 0 3 3	1,013 11 1
*9. Fish Point ..	7,017 8 1	337 16 7	86 2 11	148 5 6	572 5 0	7,589 13 1	6,734 11 6	..	6,734 11 6	..	..	14,324 4 7
10. Katandra	10,144 7 7	605 6 9	401 5 3	341 1 8	1,347 13 8	11,492 1 3	40,462 1 3	589 18 3	41,051 19 6	36 0 0	(B) 73 3 1	52,653 3 10
11. Kerang	97,968 1 10	1,805 19 7	1,095 1 10	1,033 12 6	3,934 13 11	101,902 15 9	89,044 9 3	2,484 2 4	91,528 11 7	450 0 0	(A) 2,700 0 0 (B) 468 3 4	197,049 10 8
12. Koondrook ..	130,973 17 1	2,224 11 8	1,373 2 1	1,224 1 0	4,821 14 9	135,795 11 10	170,334 0 11	3,441 14 3	173,775 15 2	6,160 0 0	(B) 651 3 3	316,382 10 3
13. Leitchville ..	10,223 0 1	311 14 4	379 4 1	286 7 5	977 5 10	11,200 5 11	19,637 7 7	1,229 8 9	20,866 16 4	..	(B) 231 17 9	32,299 0 0
14. Maffra–Sale ..	58,165 0 1	3,929 9 3	1,508 9 5	2,205 10 5	7,643 9 1	65,808 9 2	73,119 6 8	3,905 3 9	77,024 10 5	390 0 0	(B) 726 4 1	143,949 3 8
15. Merbein	419,682 17 7	2,466 6 8	14,870 9 10	1,961 10 6	19,298 7 0	438,981 4 7	163,870 19 5	2,080 4 3	165,951 3 8	26,032 19 10	..	630,965 8 1
16. Murray Valley ..	..	606 8 7	185 14 0	239 1 6	1,031 4 1	1,031 4 1	..	525 0 0	525 0 0	..	..	1,556 4 1
17. Mystic Park ..	11,997 9 5	502 13 0	82 3 8	200 0 9	784 17 5	12,782 6 10	9,456 5 0	268 3 3	9,724 8 3	..	(B) 50 14 11	22,557 10 0
18. North Shepparton ..	17,770 10 6	1,598 18 1	877 17 3	814 13 8	3,291 9 0	21,061 19 6	70,180 8 11	2,787 3 11	72,967 12 10	52 0 0	(B) 170 15 3	94,252 7 7
19. Nyah	129,985 8 6	1,999 14 0	5,536 19 8	1,123 19 1	8,660 12 9	138,646 1 3	75,428 6 9	174 18 5	75,603 5 2	5,773 19 5	..	220,023 5 10
20. Red Cliffs	343,460 5 9	3,482 0 11	30,042 6 9	2,902 17 7	36,427 5 3	379,887 11 0	211,790 12 1	1,819 7 0	213,609 19 1	39,712 9 3	..	633,209 19 4
21. Rochester	191,337 9 3	7,607 0 9	3,672 12 4	2,902 12 8	14,182 5 9	205,519 15 0	307,932 1 3	7,712 12 9	315,644 14 0	349 7 8	(B) 1,214 2 11	522,727 19 7
22. Rodney	319,658 13 3	6,808 19 7	3,302 2 7	3,711 7 8	13,822 9 10	333,481 3 1	533,028 17 0	6,197 3 7	539,226 0 7	384 0 0	(B) 1,168 8 1	874,259 11 9
23. Shepparton ..	74,614 10 6	1,694 17 6	1,432 8 2	1,072 13 4	4,199 19 0	78,814 9 6	175,843 11 2	2,836 13 2	178,680 4 4	141 0 0	(B) 356 4 4	257,991 18 2
24. South Shepparton ..	8,368 3 1	492 4 0	265 5 10	282 7 5	1,039 17 3	9,408 0 4	28,804 13 7	701 3 8	29,505 17 3	30 0 0	(B) 132 9 3	39,076 6 10
25. Swan Hill ..	113,565 14 1	3,100 18 5	1,344 19 10	1,430 14 2	5,876 12 5	119,442 6 6	112,517 10 6	2,727 11 10	115,245 2 4	5,788 0 0	(B) 515 16 8	240,991 5 6
26. Third Lake ..	4,585 3 8	178 19 8	197 16 11	127 12 8	504 9 3	5,089 12 11	12,506 13 1	185 6 2	12,691 19 3	..	(B) 35 7 7	17,816 19 9
27. Tongala–Stanhope ..	138,387 14 10	4,531 5 1	2,717 5 10	2,195 0 8	9,443 11 7	147,831 6 5	250,935 0 2	5,804 1 0	256,739 1 2	319 12 4	(B) 918 12 3	405,808 12 2
28. Tragowel Plains ..	144,941 16 0	4,909 11 4	2,236 1 6	1,926 18 1	9,072 10 11	154,014 6 11	262,043 7 1	4,649 10 1	266,692 17 2	207 0 0	(B) 584 6 6	421,498 10 7
*29. Tresco	47,588 18 2	715 18 0	2,188 13 8	516 1 3	3,420 12 11	51,009 11 1	50,656 18 3	..	50,656 18 3	..	..	101,666 9 4
30. Werribee	28,965 9 3	1,465 0 10	742 16 5	286 10 6	2,494 7 9	31,459 17 0	135,449 6 5	4,746 9 8	140,195 16 1	246 0 0	(B) 596 7 10	172,498 0 11
Totals ..	2,729,309 19 9	60,440 13 8	79,322 3 8	32,189 14 2	171,952 11 6	2,901,262 11 3	3,368,612 2 2	66,546 7 5	3,435,158 9 7	99,321 8 6	(A) 4,100 0 0 (B) 10,236 13 0	6,450,079 2 4

* Districts marked thus are those whose works will not produce sufficient revenue to cover the expense of the maintenance and management thereof, and where water supplies are being continued by direction of the Governor in Council. The annual amount of loss resulting from the maintenance and management of these districts has been transferred to the "Revenue Expenditure Chargeable to the State Account." (By authority of Order in Council, dated 30th July, 1938, under the provisions of section 6, *Water Act* 1937 (No. 4513).)

WATERWORKS DISTRICTS.

STATEMENT of Moneys received from 1st May, 1906, to 30th June, 1940.

RECEIPTS.

District.	1st May, 1906, to 30th June, 1939.	1939–40.					Grand total at 30th June, 1940.
		Rates.	Water Sales.	Interest and Miscellaneous.	Total.	Urban Water.	
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
1. Bellarine Peninsula	34,419 6 2	..	7,327 5 0	13 15 6	7,341 0 6	..	41,760 6 8
2. Birchip		4,839 3 9	..	196 8 4	5,035 12 1	185 0 0	
*3. Sea Lake		9,121 9 11	..	538 3 7	9,659 13 6	287 0 0	
*4. Tyrrell	725,879 8 7	6,286 13 5	..	265 6 11	6,552 0 4	86 0 0	767,534 3 2
*5. Tyrrell West		9,672 17 7	64 13 11	510 7 10	10,247 19 4	1,027 0 0	
6. Wycheproof		7,979 10 8	..	387 18 8	8,367 9 4	207 0 0	
*7. Carwarp	17,041 13 10	1,590 18 7	273 11 5	133 4 8	1,997 14 8	..	19,039 8 6
*8. Carwarp Central	1,846 12 8	273 0 6	24 15 10	12 6 8	310 3 0	16 0 0	2,172 15 8
*9. Coreena	3,572 8 1	404 18 2	..	43 4 8	448 2 10	..	4,020 10 11
10. Hindmarsh	13,324 3 8	993 15 6	..	46 10 1	1,040 5 7	..	14,364 9 3
*11. Karkarooc	286,099 1 2	12,056 3 5	11 14 11	598 16 5	12,666 14 9	551 0 0	299,316 15 11
*12. Kerang North-West Lakes	4,240 0 7	171 8 5	..	8 14 2	180 2 7	..	4,420 3 2
13. Long Lake	217,215 6 5	8,782 17 2	..	397 0 5	9,179 17 7	228 0 0	226,623 4 0
*14. Millewa	27,480 17 4	3,114 3 2	615 2 10	213 5 9	3,942 11 9	50 0 0	31,473 9 1
*15. Millewa Central	13,872 4 11	1,977 10 0	358 19 1	85 6 6	2,421 15 7	36 0 0	16,330 0 6
16. Mornington Peninsula	68,995 8 1	83 7 3	3,635 13 1	149 16 11	3,868 17 3	..	72,864 5 4
17. Newstead	30 0 0	..	30 10 0	..	30 10 0	..	60 10 0
18. Normanville	631 12 1	1,634 5 4	179 12 5	46 12 3	1,860 10 0	..	2,492 2 1
19. Otway	154 3 6	..	3,862 6 3	83 18 1	3,946 4 4	..	4,100 7 10
*20. Tyntynder	127,105 16 0	6,580 1 7	38 19 4	617 3 2	7,236 4 1	193 0 0	134,535 0 1
*21. Upper Western Wimmera	105,206 14 11	3,739 12 1	..	110 17 1	3,850 9 2	120 0 0	109,177 4 1
22. Upper Wimmera United	172,217 8 9	6,844 4 3	15 16 6	191 7 6	7,051 8 3	62 0 0	179,330 17 0
*23. Walpeup West	36,743 7 0	1,341 12 9	53 7 6	115 0 7	1,510 0 10	..	38,253 7 10
24. Werribee	13,143 15 2	596 18 6	..	22 9 6	619 8 0	..	13,763 3 2
25. Western Wimmera	373,528 18 9	12,093 5 1	4,272 19 9	325 10 8	16,691 15 6	481 0 0	390,701 14 3
26. Wimmera United	412,715 19 5	15,788 19 0	1,462 5 4	444 0 10	17,695 5 2	145 0 0	430,556 4 7
*27. Yelta	7,645 7 5	455 14 4	20 17 6	7 6 4	483 18 2	..	8,129 5 7
Totals	2,663,109 14 6	116,422 10 5	22,248 10 8	5,564 13 1	144,235 14 2	3,674 0 0	2,811,019 8 8

* Districts marked thus are those whose works will not produce sufficient revenue to cover the expense of the maintenance and management thereof, and where water supplies are being continued by direction of the Governor in Council. The annual amount of loss resulting from the maintenance and management of these districts has been transferred to the "Revenue Expenditure Chargeable to the State Account." (By authority of Order in Council dated 30th July, 1938, under the provisions of section 6, Water Act 1937, No. 4513.)

WATERWORKS DISTRICTS.

STATEMENT of Moneys disbursed from 1st May, 1906, to 30th June, 1940; and of Interest charged at the rate of 3·978 per cent. on Capital Debits; and also Depreciation and Redemption charged as at 30th June, 1940. (Free Headworks excluded).

DISBURSEMENTS AND INTEREST, DEPRECIATION, AND REDEMPTION CHARGED.

District.	Disbursements.							Interest Charged.			Depreciation Charges (See page 69.)	Redemption Paid to— (A) Redemption Funds. (B) Revenue.	Grand Total at 30th June, 1940.
	1st May, 1906, to 30th June, 1939.	1939-40.				Rural Water.	Total at 30th June, 1940.	1st May, 1906, to 30th June, 1939.	1st July, 1939, to 30th June, 1940.	Total at 30th June, 1940.			
		Repairs and Maintenance.	Water Distribution.	Administration.	Total.								
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.		£ s. d.
1. Bellarine Peninsula	9,259 7 6	1,895 10 10	..	389 15 7	2,285 6 5	..	11,544 13 11	33,634 6 6	3,291 18 2	36,926 4 8	..	(B) 413 10 9	48,884 9 4
2. Birchip		3,599 15 4	520 2 2	726 8 5	4,846 5 11				1,012 5 3			..	
*3. Sea Lake		6,526 18 5	991 11 11	1,206 5 10	8,724 16 2				0 8 3			..	
*4. Tyrrell	517,678 19 11	13,059 15 11	1,379 19 5	1,641 4 2	16,080 19 6	..	584,664 16 8	548,987 0 3	0 1 7	553,112 4 9	..	..	1,138,168 5 3
*5. Tyrrell West		27,192 16 0	2,331 1 10	3,126 3 1	32,650 0 11				0 2 9			..	
6. Wycheproof		2,689 0 0	1,070 15 3	923 19 0	4,683 14 3				3,112 6 8			(B) 391 3 10	
*7. Carwarp	54,291 17 4	1,313 1 1	1,485 0 10	379 15 7	3,177 17 6	250 0 0	57,719 14 10	22,227 18 10	..	22,227 18 10	586 0 0	..	80,533 13 8
*8. Carwarp Central	2,899 0 5	161 19 0	157 0 10	46 18 0	365 17 10	..	3,264 18 3	1,275 1 2	..	1,275 1 2	25 0 0	..	4,564 19 5
*9. Coreena	18,226 11 0	861 17 11	630 5 6	187 11 3	1,679 14 8	..	19,906 5 8	16,742 19 8	..	16,742 19 8	..	..	36,649 5 4
10. Hindmarah	4,399 9 1	634 9 8	57 9 0	111 7 0	803 5 8	..	5,202 14 9	8,047 16 5	232 17 8	8,280 14 1	982 2 3	(B) 29 13 5	14,495 4 6
*11. Karkarooc	146,859 19 6	15,090 10 10	860 19 10	2,174 11 7	18,126 2 3	..	164,986 1 9	199,791 10 11	36 3 2	199,827 14 1	..	..	364,813 15 10
*12. Kerang North-West Lakes	3,367 19 3	92 3 7	118 12 10	63 6 9	274 3 2	..	3,642 2 5	1,942 6 9	..	1,942 6 9	..	..	5,584 9 2
13. Long Lake	141,298 9 4	8,790 10 9	1,917 9 5	1,520 12 4	12,228 12 6	..	153,527 1 10	108,677 2 10	335 3 1	109,012 5 11	8,305 0 0	..	270,844 7 9
*14. Millewa	104,313 3 11	4,731 18 2	6,502 13 3	1,229 14 9	12,464 6 2	..	116,777 10 1	35,423 13 7	..	35,423 13 7	..	..	152,201 3 8
*15. Millewa Central	51,763 9 8	1,865 6 9	6,537 12 9	776 8 1	9,179 7 7	..	60,942 17 3	26,013 19 7	..	26,013 19 7	..	..	86,956 16 10
16. Mornington Peninsula	10,983 17 10	379 12 2	5 18 11	135 0 7	520 11 8	..	11,504 9 6	57,315 0 1	2,492 8 9	59,807 8 10	558 0 0	(B) 156 12 9	72,026 11 1
17. Newstead	15 0 0	30 10 0	..	..	30 10 0	..	45 10 0	..	..	..	..	..	45 10 0
18. Normanville	217 16 10	522 10 0	246 10 8	371 18 4	1,140 19 0	50 0 0	1,408 15 10	400 9 0	741 10 9	1,141 19 9	..	(B) 25 1 3	2,575 16 10
19. Otway	..	1,022 3 4	..	403 12 6	1,425 15 10	..	1,425 15 10	7,234 9 5	1,877 9 1	9,111 18 6	642 19 5	..	11,180 13 9
*20. Tyntynder	124,907 17 3	10,303 2 2	1,073 16 8	1,724 13 3	13,101 12 1	..	138,009 9 4	145,530 11 5	19 11 11	145,550 3 4	..	..	283,559 12 8
*21. Upper Western Wimmera	42,468 10 5	3,320 7 7	268 15 3	647 13 7	4,236 16 5	..	46,705 6 10	58,125 6 10	0 1 7	58,125 8 5	606 0 0	(A) 1,500 0 0	106,936 15 3
22. Upper Wimmera United	59,218 4 3	3,815 7 9	739 17 3	994 11 3	5,549 16 3	..	64,768 0 6	113,183 10 5	2,534 5 1	115,717 15 6	..	(A) 2,390 0 0	182,924 6 5
*23. Walpeup West	26,801 15 2	1,033 16 8	..	268 5 1	1,302 1 9	..	28,103 16 11	21,698 18 0	..	21,698 18 0	1,424 10 1	(B) 48 10 5	51,227 5 0
24. Werribee	4,067 16 1	88 17 10	47 3 2	59 17 2	195 18 2	..	4,263 14 3	11,413 15 7	216 19 6	11,630 15 1	..	..	15,935 16 10
25. Western Wimmera	173,427 19 6	7,183 5 10	2,602 11 4	1,826 8 6	11,612 5 8	..	185,040 5 2	211,004 6 8	6,278 4 11	217,282 11 7	2,422 0 0	(B) 41 7 6	15,935 16 10
26. Wimmera United	142,172 4 4	8,413 3 3	2,314 10 11	2,176 6 10	12,904 1 0	..	155,076 5 4	264,712 19 7	10,405 15 2	275,118 14 9	..	(A) 5,400 0 0	410,144 16 9
*27. Yelta	9,086 9 3	198 10 0	686 18 0	165 8 0	1,050 16 0	120 0 0	10,257 5 3	3,898 17 10	..	3,898 17 10	..	(A) 5,310 0 0	435,505 0 1
												..	14,156 3 1
Totals	1,647,725 17 10	124,817 0 10	32,546 17 0	23,277 16 6	180,641 14 4	420 0 0	1,828,787 12 2	1,897,282 1 4	32,587 13 4	1,929,869 14 8	15,551 11 9	(A) 14,600 0 0 (B) 1,105 19 11	3,789,914 18 6

* Districts marked thus are those whose works will not produce sufficient revenue to cover the expense of the maintenance and management thereof, and where water supplies are being continued by direction of the Governor in Council. The annual amount of loss resulting from the maintenance and management of these districts has been transferred to the "Revenue Expenditure Chargeable to the State Account." (By authority of Order in Council, dated 30th July, 1938, under the provisions of section 6, *Water Act* 1937 (No. 4513).)

URBAN DISTRICTS.

STATEMENT of Moneys received from 1st May, 1906, to 30th June, 1940.

RECEIPTS.

District.	1st May, 1906, to 30th June, 1939.	1939-40.				Grand Total at 30th June, 1940.
		Rates.	Water Sales.	Interest and Miscellaneous.	Total.	
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
* 1. Anglesea	1,805 3 0	422 5 3	40 16 10	8 14 0	471 16 1	2,276 19 1
2. Antwerp	800 8 6	74 8 0	15 4 6	6 10 11	96 3 5	896 11 11
3. Barwon Heads and Ocean Grove	10,376 18 4	1,645 10 6	307 11 4	48 10 2	2,001 12 0	12,378 10 4
4. Berriwillock	5,954 1 11	267 3 8	21 4 8	26 2 0	314 10 4	6,268 12 3
5. Berwick	10,723 19 9	693 9 0	240 3 0	44 5 1	977 17 1	11,701 16 10
* 6. Beulah	14,146 4 6	432 3 6	89 9 9	39 11 9	561 5 0	14,707 9 6
7. Birchip	28,288 16 9	557 3 10	296 0 4	82 0 0	935 4 2	29,224 0 11
* 8. Bittern	2,203 15 7	94 18 7	70 13 3	4 12 0	170 3 10	2,373 19 5
9. Brim	4,480 17 4	275 18 3	9 8 6	25 4 8	310 11 5	4,791 8 9
10. Bunyip	3,195 10 10	361 5 2	52 4 0	20 14 9	434 3 11	3,629 14 9
11. Camperdown	2,166 5 1	4,657 10 11	506 15 9	150 7 9	5,314 14 5	7,480 19 6
12. Carrum	111,447 1 9	7,008 6 5	1,070 1 5	455 0 3	8,533 8 1	119,980 9 10
*13. Carwarp	459 15 6	33 10 0	..	0 1 7	33 11 7	493 7 1
14. Chillingollah	1,812 19 10	50 13 2	57 0 9	16 9 8	124 3 7	1,937 3 5
15. Chinkapook	2,193 14 8	140 5 0	20 0 0	0 4 2	160 9 2	2,354 3 10
16. Cobden	179 18 7	1,358 0 0	31 11 8	21 11 6	1,411 3 2	1,591 1 9
17. Cranbourne	9,070 5 7	397 14 10	77 15 0	11 10 3	487 0 1	9,557 5 8
18. Crib Point	4,934 9 2	534 3 7	36 12 0	11 17 5	582 13 0	5,517 2 2
19. Culgoa	6,625 17 9	236 12 5	158 7 0	12 15 10	407 15 3	7,033 13 0
20. Dandenong	86,293 19 2	4,868 1 6	1,269 4 5	357 18 8	6,495 4 7	92,789 3 9
21. Dimboola	51,475 8 11	1,359 6 8	509 14 8	125 8 9	1,994 10 1	53,469 19 0
22. Dooen	331 9 1	12 13 7	15 5 0	0 8 10	28 7 5	359 16 6
*23. Drysdale	2,031 9 2	333 5 4	73 18 8	24 0 0	431 4 0	2,462 13 2
24. Frankston	74,613 4 4	4,985 6 3	1,726 10 10	301 9 10	7,013 6 11	81,626 11 3
25. Garfield	2,606 1 8	292 5 11	38 0 4	23 2 6	353 8 9	2,959 10 5
26. Hastings	4,403 10 3	401 1 1	39 0 7	14 2 1	454 3 9	4,857 14 0
27. Hicksborough	787 11 0	54 1 0	3 15 0	3 17 6	61 13 6	849 4 6
28. Hopetoun	19,631 3 7	899 5 9	166 12 7	61 16 3	1,127 14 7	20,758 18 2
29. Jeparit	21,510 2 4	943 0 5	115 2 9	32 18 10	1,091 2 0	22,601 4 4
*30. Jung Jung	3,303 10 6	128 6 1	19 6 6	2 16 2	150 8 9	3,453 19 3
*31. Koondrook	10,621 6 2	375 3 3	27 19 6	6 10 6	409 13 3	11,030 19 5
*32. Lake Boga	9,259 15 1	289 9 8	22 1 0	23 14 10	335 5 6	9,595 0 7
33. Lalbert	5,015 5 11	258 17 4	75 0 0	7 2 7	340 19 11	5,356 5 10
34. Lascelles	4,221 2 4	211 8 6	28 1 11	10 10 4	250 0 9	4,471 3 1
35. Longwarry	3,800 15 11	237 5 6	380 16 8	13 7 4	631 9 6	4,432 5 5
36. Manangatang	8,479 18 0	439 9 6	95 4 6	10 8 2	545 2 2	9,025 0 2
37. Marnoo	4,813 6 4	335 7 9	75 4 6	5 10 3	416 2 6	5,229 8 10
38. Merbein	24,481 19 1	1,515 8 1	147 3 1	135 14 4	1,798 5 6	26,280 4 7

*39. Meringur	1,549 15 9	91 0 0	6 17 6	1 17 3	99 14 9	1,649 10 6
40. Minyip	22,099 11 7	912 4 10	86 4 3	65 16 8	1,064 5 9	23,163 17 4
41. Mornington	49,586 5 6	3,156 2 4	562 4 6	143 12 0	3,861 18 10	53,448 4 4
42. Mount Martha	8,039 9 1	905 5 0	382 4 7	52 4 0	1,339 13 7	9,379 2 8
43. Nandaly	1,805 8 10	71 19 5	10 4 0	2 16 6	84 19 11	1,890 8 9
44. Natimuk	14,665 13 3	251 9 5	153 18 3	46 19 8	452 7 4	15,118 0 7
45. Newstead	3,133 3 11	525 9 0	52 17 3	24 19 10	603 6 1	3,736 10 0
46. North Wonthaggi	4,948 2 1	306 14 6	2 10 0	8 11 3	317 15 9	5,265 17 10
47. Nullawil	3,120 16 3	217 13 4	21 11 7	9 12 3	248 17 2	3,369 13 5
48. Nyah	1,944 14 7	103 1 9	8 12 6	1 1 11	112 16 2	2,057 10 9
*49. Nyah West	10,677 15 4	606 3 1	62 5 6	18 6 9	686 15 4	11,364 10 8
50. Ouyen	35,979 8 8	1,409 1 4	732 12 6	78 7 3	2,220 1 1	38,199 9 9
51. Pakenham	11,869 0 7	593 19 5	554 16 0	37 6 3	1,186 1 8	13,055 2 3
*52. Patchewollock	2,026 4 10	254 7 3	33 19 0	29 16 2	318 2 5	2,344 7 3
*53. Piangil	6,849 4 7	194 7 6	130 7 6	3 14 4	328 9 4	7,177 13 11
*54. Portarlington	2,712 8 6	525 1 1	55 10 9	18 17 7	599 9 5	3,311 17 11
55. Pyramid Hill	8,114 2 9	469 17 7	98 15 9	29 11 6	598 4 10	8,712 7 7
56. Quambatook	2,990 6 1	459 18 8	30 7 1	32 13 11	522 19 8	3,513 5 9
57. Queenscliff and Point Lonsdale	22,560 3 4	2,913 9 8	585 2 10	52 4 9	3,550 17 3	26,111 0 7
58. Rainbow	27,378 19 2	897 17 1	281 4 0	57 4 2	1,236 5 3	28,615 4 5
59. Rupanyup	19,562 0 4	858 9 0	52 5 9	60 18 4	971 13 1	20,533 13 5
60. Sea Lake	23,219 4 5	712 14 11	193 4 11	78 19 1	984 18 11	24,204 3 4
61. Somerville	4,846 10 7	343 10 6	181 13 8	31 14 6	556 18 8	5,403 9 3
62. South Frankston	25,650 0 1	1,963 11 2	437 0 6	84 0 7	2,484 12 3	28,134 12 4
*63. Speed	1,924 0 1	117 2 3	36 8 6	14 17 2	168 7 11	2,092 8 0
64. Spring Vale	42,204 11 0	3,295 5 11	4,995 0 6	352 1 0	8,642 7 5	50,846 18 5
65. Tempy	1,805 11 0	114 5 7	38 15 3	4 9 7	157 10 5	1,963 1 5
66. Terang	95 12 6	3,087 10 2	58 19 0	76 0 11	3,222 10 1	3,318 2 7
67. Torquay	3,892 19 5	810 19 7	83 9 0	26 18 6	921 7 1	4,814 6 6
*68. Ultima	10,683 8 0	301 0 1	10 15 6	19 2 6	330 18 1	11,014 6 1
69. Waitchie	1,150 10 11	51 9 7	..	7 4 7	58 14 2	1,209 5 1
70. Walpeup	719 2 3	226 14 0	5 8 0	26 15 7	258 17 7	977 19 10
71. Watchem	8,263 5 4	286 18 8	27 17 5	43 1 3	357 17 4	8,621 2 8
72. Werrimull	3,830 14 5	263 9 8	12 5 0	6 10 7	282 5 3	4,112 19 8
73. Wonthaggi	113,035 12 5	2,035 4 6	1,196 2 0	74 7 5	3,305 13 11	116,341 6 4
74. Woomelang	17,653 6 9	375 10 11	198 19 8	41 7 6	615 18 1	18,269 4 10
75. Woorinen	1,793 10 6	155 19 9	8 7 9	5 10 3	169 17 9	1,963 8 3
76. Wycheproof	22,986 4 9	780 12 2	194 15 6	72 16 9	1,048 4 5	24,034 9 2
77. Yaapeet	1,448 4 3	84 15 9	23 13 0	5 7 2	113 15 11	1,562 0 2
Totals	1,105,362 6 11	67,910 11 8	19,536 8 6	3,894 18 9	91,341 18 11	1,196,704 5 10

* Districts marked thus are those whose works will not produce sufficient revenue to cover the expense of the maintenance and management thereof, and where water supplies are being continued by direction of the Governor in Council. The annual amount of loss resulting from the maintenance and management of these districts has been transferred to the "Revenue Expenditure Chargeable to the State Account." (By authority of Order in Council dated 30th July, 1938, under the provisions of section 6, *Water Act* 1937, No. 4513.)

URBAN DISTRICTS.

STATEMENT of Moneys disbursed from 1st May, 1906, to 30th June, 1940; and of Interest charged at the rate of 3·978 per cent. on Capital Debits; and also of Depreciation and Redemption charged as at 30th June, 1940 (Free Headworks excluded).

DISBURSEMENTS AND INTEREST, DEPRECIATION, AND REDEMPTION CHARGED.

District.	Disbursements.						Interest Charged.			Depreciation Charges (See pages 70 & 71.)	Redemption Paid to— (A) Redemption Funds; (B) Revenue.		Grand Total at 30th June, 1940.
	1st May, 1906, to 30th June, 1939.	1939–40.				Total at 30th June, 1940.	1st May, 1906, to 30th June, 1939.	1st July, 1939, to 30th June, 1940.	Total at 30th June, 1940.				
		Repairs and Maintenance.	Water Distribution.	Administration.	Total.	Rural Water.							
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.		£ s. d.	£ s. d.
*1. Anglesea	1,106 10 4	219 4 10	0 6 2	67 2 5	286 13 5	..	1,393 3 9	2,239 8 2	4 11 6	2,243 19 8	168 0 0	(B) 0 8 7	3,805 12 0
2. Antwerp	266 6 7	18 15 11	..	10 10 11	29 6 10	9 0 0	304 13 5	371 15 0	28 5 1	400 0 1	24 0 0	(B) 5 11 3	734 4 9
3. Barwon Heads and Ocean Grove	2,627 6 4	399 17 9	0 8 2	159 8 2	559 14 1	..	3,187 0 5	6,953 16 4	637 6 10	7,591 3 2	837 0 0	(B) 79 8 2	11,694 11 9
4. Berriwillock	2,749 14 0	48 7 7	26 6 8	32 5 5	106 19 8	29 0 0	2,885 13 8	3,252 12 9	77 11 1	3,330 3 10	161 0 0	(B) 9 15 5	6,386 12 11
5. Berwick	2,174 12 9	147 4 7	30 7 3	108 8 5	286 0 3	..	2,460 13 0	8,358 6 7	80 5 3	8,438 11 10	789 0 0	(B) 10 0 8	11,698 5 6
*6. Beulah	6,486 5 9	115 5 7	169 17 11	81 19 4	367 2 10	100 0 0	6,953 8 7	7,551 11 4	0 2 5	7,551 13 9	227 0 0	..	14,732 2 4
7. Birchip	13,277 11 3	72 3 3	292 16 1	134 16 4	499 15 8	185 0 0	13,962 6 11	14,802 13 0	66 14 7	14,869 7 7	1,147 0 0	(A) 300 0 0	30,287 1 11
												(B) 8 7 5	
*8. Bittern	393 5 6	44 6 11	..	23 12 9	67 19 8	..	461 5 2	1,764 0 0	..	1,764 0 0	102 0 0	..	2,327 5 2
9. Brim	1,090 4 11	74 2 8	23 10 10	33 17 11	131 11 5	35 0 0	1,256 16 4	2,778 3 5	121 5 2	2,899 8 7	308 14 10	(B) 15 11 4	4,480 11 1
10. Bunyip	710 15 2	47 18 5	..	38 6 5	86 4 10	..	797 0 0	2,704 11 5	6 17 8	2,711 9 1	432 0 0	(B) 0 13 1	3,941 2 2
11. Camperdown	..	379 16 2	12 18 0	291 4 2	683 18 4	..	683 18 4	..	3,082 1 6	3,082 1 6	574 0 0	(B) 193 13 11	4,533 13 9
12. Carrum	24,651 18 2	1,684 11 11	32 10 6	1,037 16 5	2,754 18 10	..	27,406 17 0	94,425 12 10	1,662 0 8	96,087 13 6	7,020 0 0	(B) 199 14 3	130,714 4 9
*13. Carwarp	314 10 10	6 2 0	..	5 14 3	11 16 3	16 0 0	342 7 1	273 16 5	..	273 16 5	191 15 4	..	807 18 10
14. Chillingollah	934 13 0	39 4 7	12 4 1	18 10 1	69 18 9	40 0 0	1,044 11 9	1,712 17 1	60 16 6	1,773 13 7	185 0 0	..	3,003 5 4
15. Chinkapook	807 17 9	59 16 3	25 8 1	18 13 9	103 18 1	44 0 0	955 15 10	1,283 2 5	23 7 10	1,306 10 3	318 0 0	..	2,580 6 1
16. Cohden	..	111 7 4	2 5 0	141 12 7	255 4 11	..	255 4 11	1 5 1	813 0 11	814 6 0	167 0 0	(B) 51 3 6	1,287 14 5
17. Cranbourne	1,558 2 11	49 3 5	0 12 8	40 5 3	90 1 4	..	1,648 4 3	7,834 1 6	141 5 2	7,975 6 8	303 0 0	(B) 25 2 9	9,951 13 8
18. Crib Point	1,135 16 0	64 6 5	0 2 2	84 16 3	149 4 10	..	1,285 0 10	3,283 2 6	259 7 4	3,542 9 10	604 11 6	..	5,432 2 2
19. Culgoa	2,525 6 9	63 9 1	50 4 11	38 13 9	152 7 9	29 0 0	2,706 14 6	3,945 15 2	161 11 5	4,107 6 7	156 0 0	(B) 20 7 1	6,990 8 2
20. Dandenong	17,619 19 2	1,097 3 11	25 5 7	697 16 9	1,820 6 3	..	19,440 5 5	69,033 3 6	1,621 7 11	70,654 11 5	4,865 0 0	(B) 202 7 4	95,162 4 2
21. Dimboola	27,613 12 6	372 13 2	42 12 11	196 8 1	611 14 2	340 0 0	28,565 6 8	20,355 19 0	712 13 9	21,068 12 9	2,085 0 0	(A) 1,230 0 0	53,038 15 8
												(B) 89 16 3	
22. Dooen	183 5 5	0 7 5	..	3 0 6	3 7 11	6 0 0	192 13 4	261 19 8	..	261 19 8	48 0 0	..	502 13 0
*23. Drysdale	843 5 6	169 1 5	0 9 10	56 16 5	226 7 8	..	1,069 13 2	1,388 7 9	18 6 7	1,406 14 4	249 0 0	(B) 1 4 5	2,726 11 11
24. Frankston	13,406 5 11	567 5 6	7 12 9	602 5 8	1,177 3 11	..	14,583 9 10	58,941 14 3	2,935 18 3	61,877 12 6	3,354 0 0	(B) 547 18 11	80,363 1 3
25. Garfield	601 6 5	42 14 6	..	53 19 5	96 13 11	..	698 0 4	2,293 1 9	36 9 4	2,329 11 1	333 0 0	(B) 4 11 10	3,365 3 3
26. Hastings	1,051 18 4	79 0 0	0 16 10	48 14 2	128 11 0	..	1,180 9 4	3,605 18 10	40 17 11	3,646 16 9	483 0 0	(B) 4 5 6	5,314 11 7
27. Hicksborough	290 7 3	13 0 0	..	5 0 0	18 0 0	..	308 7 3	388 8 7	13 3 2	401 11 9	68 0 0	(B) 2 12 11	780 11 11
28. Hopetoun	10,562 5 9	119 16 1	306 8 2	133 1 10	559 6 1	204 0 0	11,325 11 10	9,318 1 5	76 11 3	9,394 12 8	285 0 0	(A) 150 0 0	21,170 0 5
												(B) 14 15 11	
29. Jeparit	4,351 4 1	115 12 7	..	91 10 3	207 2 10	175 0 0	4,733 6 11	15,654 9 10	532 6 0	16,186 15 10	225 0 0	(A) 800 0 0	22,027 0 3
												(B) 81 17 6	
*30. Jung Jung	2,047 12 1	75 8 11	38 0 4	24 17 1	138 6 4	15 0 0	2,200 18 5	1,642 19 7	..	1,642 19 7	204 0 0	..	4,047 18 0
*31. Koondrook	6,420 6 11	69 10 3	278 8 4	92 12 11	440 11 6	79 0 0	6,939 18 5	4,537 2 0	1 3 6	4,538 5 6	345 0 2	..	11,823 4 1
*32. Lake Boga	5,317 19 6	21 16 11	185 18 3	59 19 7	267 14 9	79 0 0	5,664 14 3	4,552 6 5	..	4,552 6 5	205 0 0	(A) 150 0 0	10,572 0 8
33. Lalbert	1,186 16 5	81 10 5	37 16 10	44 18 10	164 6 1	28 0 0	1,379 2 6	3,396 18 9	173 11 7	3,570 10 4	658 7 9	..	5,608 0 7
34. Lascelles	1,959 12 4	44 18 7	18 1 11	34 6 4	97 6 10	25 0 0	2,081 19 2	2,493 8 10	42 5 0	2,535 13 10	257 0 0	(B) 5 6 0	4,879 19 0
35. Longwarry	526 7 1	55 7 9	0 13 11	46 17 11	102 19 7	..	629 6 8	2,099 12 11	469 16 2	2,569 9 1	284 13 9	(B) 51 4 0	3,534 13 6
36. Manangatang	2,030 13 7	68 6 2	56 17 2	160 4 10	285 8 2	113 0 0	2,429 1 9	4,961 4 10	203 5 8	5,164 10 6	716 0 0	(B) 24 16 1	8,334 8 4
37. Marnoo	846 2 7	47 5 7	..	28 0 8	75 6 3	23 0 0	944 8 10	3,148 2 11	162 6 2	3,310 9 1	666 0 0	(B) 30 9 5	4,951 7 4
38. Merbein	11,172 0 11	299 3 9	24 5 0	127 2 6	450 11 3	400 0 0	12,022 12 2	12,749 4 6	656 14 11	13,405 19 5	1,061 0 0	(B) 119 10 9	26,609 2 4
*39. Meringur	620 17 10	30 14 10	11 7 7	16 8 9	58 11 2	36 0 0	715 9 0	874 4 10	..	874 4 10	181 3 7	..	1,770 17 5
40. Minyip	6,861 19 8	104 5 0	166 19 9	112 13 5	383 18 2	58 0 0	7,303 17 10	13,714 2 11	411 5 0	14,125 7 11	971 0 0	(A) 424 0 0	22,902 1 0
												(B) 77 15 3	
41. Mornington	8,500 15 0	400 4 9	7 14 5	354 18 6	762 17 8	..	9,263 12 8	39,043 3 5	1,699 11 8	40,742 15 1	2,555 0 0	(B) 293 0 5	52,854 8 2
42. Mount Martha	1,433 6 2	124 14 5	5 17 6	78 13 0	209 4 11	..	1,642 11 1	5,618 4 7	364 18 8	5,983 3 3	489 0 0	(B) 68 17 10	8,183 12 2
43. Nandaly	629 16 8	26 2 11	..	10 16 9	36 19 8	42 0 0	708 16 4	1,004 2 0	..	1,004 2 0	240 0 3	..	1,952 18 7

44. Natimuk	3,601 8 0	53 5 0	..	44 0 4	97 5 4	56 0 0	3,754 13 4	9,978 5 7	158 13 2	10,136 18 9	199 0 0	(A) 750 0 0 (B) 30 0 1	14,870 12 2
45. Newstead	1,122 1 3	121 2 5	..	63 17 11	185 0 4	..	1,307 1 7	1,653 3 0	234 15 1	1,887 18 1	153 0 0	(B) 43 9 2	3,391 8 10
46. North Wonthaggi ..	1,669 12 11	144 0 0	..	30 0 0	174 0 0	..	1,843 12 11	2,870 17 5	47 13 1	2,918 10 6	452 0 0	(B) 9 0 0	5,223 3 5
47. Nullawil	886 14 0	30 1 4	9 3 7	21 11 4	60 16 3	22 0 0	969 10 3	2,121 12 7	124 16 6	2,246 9 1	127 0 0	(B) 23 14 11	3,366 14 3
48. Nyah	946 2 4	6 18 9	..	11 13 9	18 12 6	60 0 0	1,024 14 10	911 13 3	6 10 11	918 4 2	121 12 9	(B) 0 8 3	2,065 0 0
*49. Nyah West	3,746 3 3	22 14 1	403 4 11	98 14 7	524 13 7	177 0 0	4,447 16 10	6,099 5 4	0 16 11	6,100 2 3	987 19 11	..	11,535 19 0
50. Ouyen	14,436 16 9	203 17 9	601 14 0	240 12 5	1,046 4 2	807 0 0	16,290 0 11	20,547 18 11	228 16 9	20,776 15 8	1,126 0 0	(B) 41 8 1	38,234 4 8
51. Pakenham	1,858 7 2	186 17 0	..	98 0 11	284 17 11	..	2,143 5 1	8,829 16 1	587 9 4	9,417 5 5	1,398 11 9	(B) 37 0 0	12,996 2 3
*52. Patchewollock ..	646 16 5	26 3 0	0 2 6	26 12 7	52 18 1	60 0 0	759 14 6	1,379 11 7	..	1,379 11 7	327 0 0	..	2,466 6 1
*53. Piangil	2,563 2 0	61 13 11	151 8 0	79 1 9	292 3 8	31 0 0	2,886 5 8	3,527 17 0	1 1 11	3,528 18 11	684 3 9	..	7,099 8 4
*54. Portarlington ..	1,522 0 5	286 6 4	..	91 18 4	378 4 8	..	1,900 5 1	2,891 10 0	8 10 10	2,900 0 10	337 14 1	..	5,138 0 0
55. Pyramid Hill ..	3,206 1 3	25 0 10	95 19 10	43 16 7	164 17 3	42 0 0	3,412 18 6	4,060 14 5	200 4 10	4,260 19 3	657 0 0	(B) 37 17 9	8,368 15 6
56. Quambatook ..	1,630 10 11	65 3 5	147 14 2	75 7 7	288 5 2	74 0 0	1,992 16 1	1,328 6 8	125 15 5	1,454 2 1	210 19 1	(B) 11 18 4	3,669 15 7
57. Queenscliff and Point Lonsdale	5,485 11 10	889 1 11	1 15 3	304 0 1	1,194 17 3	..	6,680 9 1	15,709 12 6	1,271 17 1	16,981 9 7	1,542 0 0	(B) 159 7 6	25,363 6 2
58. Rainbow	4,753 19 0	181 9 3	..	108 4 8	289 13 11	202 0 0	5,245 12 11	18,482 6 3	428 11 3	18,910 17 6	1,225 0 0	(A) 800 0 0 (B) 70 16 8	26,252 7 1
59. Rupanyup	6,484 4 5	118 2 11	114 18 1	101 6 4	334 7 4	49 0 0	6,867 11 9	11,861 19 6	359 16 11	12,221 16 5	800 0 0	(A) 400 0 0 (B) 50 7 5	20,339 15 7
60. Sea Lake	10,290 10 10	107 19 6	209 16 9	140 15 5	458 11 8	125 0 0	10,874 2 6	10,138 4 6	308 18 9	10,447 3 3	1,649 0 0	(B) 55 17 3	23,026 3 0
61. Somerville	802 16 7	26 11 4	..	24 0 2	50 11 6	..	853 8 1	3,719 5 5	190 12 6	3,909 17 11	177 0 0	(B) 32 18 3	4,973 4 3
62. South Frankston ..	4,098 6 8	225 14 4	44 18 11	250 10 8	521 3 11	..	4,619 10 7	17,565 11 5	1,031 7 0	18,596 18 5	1,436 0 0	(B) 191 7 10	24,843 16 10
*63. Speed	736 4 4	44 19 2	..	16 14 1	61 13 3	33 0 0	830 17 7	1,131 0 8	0 1 6	1,131 2 2	417 0 0	..	2,378 19 9
64. Spring Vale	8,139 10 10	728 0 8	..	526 6 4	1,254 7 0	..	9,393 17 10	29,417 5 0	1,549 1 3	30,966 6 3	2,595 0 0	(B) 269 5 6	43,224 9 7
65. Tempy	686 9 3	53 0 4	..	17 7 7	70 7 11	47 0 0	808 17 2	1,042 8 10	0 6 2	1,042 15 0	363 0 0	..	2,209 12 2
66. Terang	..	324 19 3	5 1 0	171 10 0	501 10 3	..	501 10 3	0 0 6	2,160 13 4	2,160 13 10	436 0 0	(B) 124 6 6	3,222 10 7
67. Torquay	1,585 8 8	286 6 8	..	103 2 8	389 9 4	..	1,974 18 0	3,777 17 11	125 17 3	3,903 15 2	291 0 0	(B) 15 11 5	6,185 4 7
*68. Ultima	3,847 0 2	147 5 4	77 16 4	86 7 4	311 9 0	95 0 0	4,253 9 2	6,808 8 10	0 1 6	6,808 10 4	275 0 0	..	11,336 19 6
69. Waitchie	728 18 3	63 7 4	..	11 18 0	75 5 4	40 0 0	844 3 7	1,198 15 7	..	1,198 15 7	288 0 0	..	2,330 19 2
70. Walpeup	463 0 10	49 9 4	9 18 4	15 0 0	74 7 8	80 0 0	617 8 6	352 15 0	31 14 11	384 9 11	39 0 0	(B) 5 19 11	1,046 18 4
71. Watchem	2,778 3 6	33 8 3	19 13 11	43 0 3	96 2 5	42 0 0	2,916 5 11	5,375 1 7	110 5 7	5,485 7 2	346 0 0	(B) 13 17 10	8,761 10 11
72. Werrimull	1,558 19 10	83 14 3	19 6 7	34 16 1	137 16 11	50 0 0	1,746 16 9	2,339 18 1	25 3 11	2,365 2 0	491 0 0	(B) 3 3 6	4,606 2 3
73. Wonthaggi	29,264 16 7	375 16 3	1,619 13 9	487 0 8	2,482 10 8	..	31,747 7 3	65,444 5 2	633 13 4	66,077 18 6	6,917 9 11	(A) 9,000 0 0 (B) 39 16 6	113,782 12 2
74. Woomelang	5,932 7 9	46 12 11	40 10 3	60 16 0	147 19 2	104 0 0	6,184 6 11	11,738 4 0	117 0 0	11,855 4 0	708 0 0	(A) 200 0 0 (B) 14 14 2	18,962 5 1
75. Woorinen	762 8 5	25 11 9	..	20 16 9	46 8 6	31 0 0	839 16 11	1,164 9 8	51 8 6	1,215 18 2	177 0 9	(B) 1 16 6	2,234 12 4
76. Wycheproof	11,125 2 8	243 7 3	269 1 1	151 0 6	663 8 10	185 0 0	11,973 11 6	10,706 13 3	27 6 2	10,733 19 5	1,344 0 0	(B) 3 8 7	24,054 19 6
77. Yaapeet	432 10 5	48 12 5	..	17 4 1	65 16 6	20 0 0	518 6 11	915 12 6	29 19 6	945 12 0	294 8 1	..	1,758 7 0
TOTALS	326,681 2 7	13,008 3 9	5,737 2 10	9,066 4 6	27,811 11 1	4,542 0 0	359,034 13 8	729,708 2 1	27,578 4 7	757,281 6 8	63,136 7 3	(A) 14,204 0 0 (B) 3,527 19 8	1,197,184 7 3

* Districts marked thus are those whose works will not produce sufficient revenue to cover the expense of the maintenance and management thereof, and where water supplies are being continued by direction of the Governor in Council. The annual amount of loss resulting from the maintenance and management of these districts has been transferred to the "Revenue Expenditure Chargeable to the State Account." (By authority of Order in Council, dated 30th July, 1938, under the provisions of section 6, *Water Act* 1937 (No. 4513).)

URBAN DIVISIONS.

STATEMENT of Moneys received and disbursed from 1st May, 1906, to 30th June, 1940; and of Interest charged at the rate of 3·978 per cent. on Capital Debits; and also of Depreciation and Redemption charged as at 30th June, 1940 (Free Headworks excluded).

RECEIPTS.

Division.	1st May, 1906, to 30th June, 1939.	1939–40. Rates.	Water Sales.	Interest and Miscellaneous.	Total.	Grand Total at 30th June, 1940.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
1. Bacchus Marsh	42,460 1 4	1,272 10 4	652 17 0	10 17 11	1,936 5 3	44,396 6 7
2. Cohuna	20,895 12 5	995 17 1	259 2 0	102 8 10	1,357 7 11	22,253 0 4
*3. Corop	826 16 3	19 14 0	..	0 0 6	19 14 6	846 10 9
4. Dingee	1,262 12 5	70 18 3	..	14 8 3	85 6 6	1,347 18 11
*5. Heyfield	4,522 9 1	531 18 10	..	7 4 6	539 3 4	5,061 12 5
6. Leitchville	5,348 13 7	373 4 1	85 6 9	20 17 1	479 7 11	5,828 1 6
7. Lockington	4,305 9 11	247 7 10	6 19 6	30 9 9	284 17 1	4,590 7 0
*8. Murrabit	633 10 8	53 14 10	20 0 0	0 0 2	73 15 0	707 5 8
9. Red Cliffs	24,989 6 6	2,044 8 8	293 17 11	161 4 10	2,499 11 5	27,488 17 11
10. Stanhope	3,232 19 4	334 13 0	1 6 9	11 8 0	347 7 9	3,580 7 1
Totals	108,477 11 6	5,944 6 11	1,319 9 11	358 19 10	7,622 16 8	116,100 8 2

Disbursements and Interest, Depreciation and Redemption Charged.

Division.	1st May, 1906, to 30th June, 1939.	Disbursements. 1939–40. Repairs and Maintenance.	Water Distribution.	Administration.	Total.	Rural Water.	Total at 30th June, 1940.	Interest. 1st May, 1906, to 30th June, 1939.	1st July, 1939, to 30th June, 1940.	Total at 30th June, 1940.	Depreciation Charges. (See page 69.)	Redemption Paid to— (A) Redemption Funds, (B) Revenue.	Grand Total at 30th June, 1940.
	£ s. d	£ s. d.	£ s. d	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
1. Bacchus Marsh ..	10,582 14 6	189 18 0	13 3 0	176 7 6	379 8 6	545 0 0	11,507 3 0	31,841 13 2	435 2 0	32,276 15 2	814 0 0	(A) 250 0 0	44,902 14 7
												(B) 54 16 5	
2. Cohuna	6,274 9 2	257 9 1	85 1 1	181 14 0	524 4 2	51 0 0	6,849 13 4	13,056 13 4	358 8 10	13,415 2 2	1,026 13 4	(A) 350 0 0	21,708 1 2
												(B) 66 12 4	
*3. Corop	405 7 6	..	..	5 0 0	5 0 0	8 0 0	413 7 6	419 12 10	..	419 12 10	78 0 0	..	911 0 4
4. Dingee	509 11 8	7 16 9	15 14 3	13 15 9	37 6 9	5 0 0	551 18 5	744 0 5	..	744 0 5	168 0 0	..	1,463 18 10
*5. Heyfield ..	2,238 4 6	102 8 10	94 6 8	63 0 1	259 15 7	100 0 0	2,598 0 1	2,178 18 0	..	2,178 18 0	415 0 0	..	5,191 18 1
6. Leitchville ..	2,623 9 2	3 0 11	99 17 7	39 9 11	142 8 5	25 0 0	2,790 17 7	2,247 0 8	70 5 10	2,317 6 6	387 0 0	(B) 12 16 8	5,508 0 9
7. Lockington ..	935 7 10	45 13 4	44 18 1	34 17 10	125 9 3	15 0 0	1,075 17 1	2,490 7 5	90 19 5	2,581 6 10	564 15 11	(B) 5 0 0	4,226 19 10
*8. Murrabit ..	393 8 5	4 3 2	57 11 10	13 8 3	75 3 3	5 0 0	473 11 8	337 10 0	..	337 10 0	25 10 3	..	836 11 11
9. Red Cliffs ..	11,192 19 9	343 10 2	386 4 0	186 7 10	916 2 0	348 0 0	12,457 1 9	11,054 1 3	530 0 0	11,584 1 3	1,399 0 0	(B) 99 13 4	25,539 16 4
10. Stanhope ..	996 8 7	..	54 1 9	29 9 0	83 10 9	20 0 0	1,099 19 4	1,627 1 7	57 11 5	1,684 13 0	393 0 0	(B) 10 4 10	3,187 17 2
Totals ..	36,152 1 1	954 0 3	850 18 3	743 10 2	2,548 8 8	1,117 0 0	39,817 9 9	65,996 18 8	1,542 7 6	67,539 6 2	5,270 19 6	(A) 600 0 0	113,476 19 0
												(B) 249 3 7	

* Divisions marked thus are those whose works will not produce sufficient revenue to cover the expense of the maintenance and management thereof, and where water supplies are being continued by direction of the Governor in Council. The annual amount of loss resulting from the maintenance and management of these divisions has been transferred to the "Revenue Expenditure Chargeable to the State Account." (By authority of Order in Council dated 30th July, 1938, under the provisions of section 6, *Water Act*, 1937, No. 4513.)

DRAINAGE DISTRICTS.

STATEMENT of Moneys received and disbursed from 1st July, 1937, to 30th June, 1940; and of Depreciation charged as at 30th June, 1940.

RECEIPTS.

District.	1st January, 1938, to 30th June, 1939.	1939–40. Rates.	1939–40. Interest and Miscellaneous.	1939–40. Total.	Grand Total at 30th June, 1940.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
1. Cohuna	2,155 4 1	1,363 4 6	12 18 0	1,376 2 6	3,531 6 7
2. Kerang East	1,230 6 1	802 9 11	7 18 11	810 8 10	2,040 14 11
3. Maffra–Sale	113 15 1	1,073 16 3	4 4 5	1,078 0 8	1,191 15 9
4. Merbein	1,807 11 8	1,556 17 8	21 3 5	1,578 1 1	3,385 12 9
5. Red Cliffs	1,871 8 2	1,990 18 2	85 15 7	2,076 13 9	3,948 1 11
6. Rochester	1,502 17 1	1,228 8 9	21 11 0	1,249 19 9	2,752 16 10
7. Rodney	559 0 8	450 8 4	12 14 7	463 2 11	1,022 3 7
8. Shepparton	3,610 7 7	2,208 0 8	10 1 4	2,218 2 0	5,828 9 7
9. Tongala–Stanhope	1,302 3 11	1,931 17 0	38 18 0	1,970 15 0	3,272 18 11
10. Werribee	764 13 4	765 17 7	12 7 10	778 5 5	1,542 18 9
Totals	14,917 7 8	13,371 18 10	227 13 1	13,599 11 11	28,516 19 7

DISBURSEMENTS.

District.	1st July, 1937, to 30th June, 1939.	1939–40. Repairs and Maintenance.	1939–40. Administration.	1939–40. Total.	Total at 30th June, 1940.	Depreciation Charges. (See page 71.)	Grand Total at 30th June, 1940.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
1. Cohuna	2,657 1 0	1,082 16 0	454 5 2	1,537 1 2	4,194 2 2	..	4,194 2 2
2. Kerang East	2,213 6 11	806 1 7	323 14 11	1,129 16 6	3,343 3 5	..	3,343 3 5
3. Maffra–Sale	1,597 8 2	1,368 12 7	462 5 7	1,830 18 2	3,428 6 4	..	3,428 6 4
4. Merbein	2,224 15 7	906 17 7	294 12 8	1,201 10 3	3,426 5 10	845 13 5	4,271 19 3
5. Red Cliffs	2,964 16 0	1,320 14 9	269 0 11	1,589 15 8	4,554 11 8	587 3 0	5,141 14 8
6. Rochester	3,522 11 1	1,297 17 2	334 14 9	1,632 11 11	5,155 3 0	..	5,155 3 0
7. Rodney	1,872 12 2	640 8 6	229 5 7	869 14 1	2,742 6 3	..	2,742 6 3
8. Shepparton	4,190 11 5	2,165 19 10	603 19 10	2,769 19 8	6,960 11 1	..	6,960 11 1
9. Tongala–Stanhope	4,536 13 6	2,755 9 5	747 8 6	3,502 17 11	8,039 11 5	..	8,039 11 5
10. Werribee	811 2 4	430 15 6	102 15 11	533 11 5	1,344 13 9	..	1,344 13 9
Totals	26,590 18 2	12,775 12 11	3,822 3 10	16,597 16 9	43,188 14 11	1,432 16 5	44,621 11 4

SUB-SURFACE DRAINAGE WORKS.

Extensive Sub-surface Drainage Works have been constructed in the important dried fruit centres of Red Cliffs, Merbein, and Mildura. The cost of the works has been met by grants approved from Unemployment Relief Loan Funds, supplemented by contributions from growers.

A condition of the grants was that settlers would contribute £5 per irrigable acre towards the cost of the respective schemes. Such portion of the contributions, as required, was to be applied to supplement the grants from Unemployment Relief Funds and the balance paid to State Loans Repayment Fund (Unemployment Relief) as part recoup of the moneys made available by the State to carry out the works.

The expenditure to 30th June, 1940, in the respective areas is set out hereunder :—

Area.	Source of Funds.		Total Cost of Scheme to 30th June, 1940.
	Unemployment Relief Loan Funds.	Growers' Contributions during Construction.	
	£ s. d.	£ s. d.	£ s. d.
Red Cliffs Irrigation and Water Supply District ..	151,448 5 4	18,549 0 6	169,997 5 10
Merbein Irrigation and Water Supply District ..	103,030 5 1	9,749 15 1	112,780 0 2
First Mildura Irrigation Trust	210,625 3 10	52,856 15 8	263,481 19 6
Totals	465,103 14 3	81,155 11 3	546,259 5 6

In addition, Sub-surface Drainage Works are now under construction in the Woorinen area. The cost of the work is being met from Unemployment Relief Loan Funds. The expenditure to 30th June, 1940, was £45,810 3s. 2d. No contributions have yet been made by growers in respect of these works.

The following statement shows the position of the payments in respect of growers' contributions to the respective sub-surface drainage schemes.

Area.	Total Amount of Contributions.	Instalments due to 30th June, 1940.	Payments made as at 30th June, 1940.	Arrears of Contributions as at 30th June, 1940.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Red Cliffs Irrigation and Water Supply District	40,856 16 8	40,818 10 0	33,836 12 10	6,981 17 2
Merbein Irrigation and Water Supply District	31,386 0 0	27,628 13 4	25,589 18 9	2,038 14 7
First Mildura Irrigation Trust	53,577 2 6	53,577 2 6	53,577 2 6	..
Totals	125,819 19 2	122,024 5 10	113,003 14 1	9,020 11 9

The First Mildura Irrigation Trust raised the equivalent of the growers' contributions by means of a loan from outside sources. The Trust will recoup itself from the contributions by local growers.

SUMMARY OF UNEMPLOYMENT RELIEF GRANTS MADE TO COMMISSION TO 30TH JUNE, 1940.

Year.	Grants.
	£
1930–32 .. .. (Prior to constitution of Employment Council)	166,035
1932–33	281,318
1933–34	313,721
1934–35	489,540
1935–36	319,582
1936–37	371,917
1937–38	423,295
1938–39	412,760
1939–40	301,000
Total	3,079,168

(For Schedule of details of these Grants see Appendix A)

CAPITAL EXPENDITURE.

STATEMENT OF MONEYS EXPENDED FROM STATE FUNDS UNDER WATER SUPPLY LOAN ACTS AND FROM UNEMPLOYMENT RELIEF FUNDS FOR THE YEAR ENDED 30TH JUNE, 1940.

Works.	Water Supply Loan Funds.				Unemployment Relief Funds Act 4097.
	Act 4655.	Act 4612.	Total Ordinary Loan Funds.	Treasurer's Advance.	
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Free Headworks.					
Goulburn—Waranga Channel	..	..	..	..	0 5 6
Kow Swamp Works	19 15 6	..	19 15 6	..	..
Loddon Weir	..	..	..	..	7 3 3
Taylors Lake Channel to Cohuna Channel offtake	..	..	..	..	166 4 8
River Murray Waters Acts.—Works	46,000 0 0	..	46,000 0 0	..	..
Main Supply Works.					
Melton Reservoir	29 18 6	..	29 18 6	..	182 0 9
Pykes Creek Reservoir	6 7 7	..	6 7 7	..	*Cr.* 37 10 7
Waranga Reservoir Enlargement	83 2 8	..	83 2 8	..	..
Waranga Western Main Channel	..	..	..	..	3,295 8 0
Wimmera Storages	1,396 9 0	4 6 3	1,400 15 3	..	..
Wimmera Main Channels	5,807 14 5	607 14 3	6,415 8 8	..	1,250 0 0
Surveys and Investigations	4,825 3 3	200 6 9	5,025 10 0	..	..
Plant and Machinery Suspense	31,356 4 0	..	31,356 4 0	..	..
Irrigation and Water Supply Districts.					
Bacchus Marsh	0 19 3	..	0 19 3	..	..
Boort	10 13 10	..	10 13 10	..	..
Calivil	622 11 3	1 3 0	623 14 3	..	..
Campaspe	19 13 8	..	19 13 8	..	25 17 0
Cohuna	171 11 9	..	171 11 9	..	..
Deakin	91 16 6	..	91 16 6	..	..
Fish Point	4 18 5	..	4 18 5	..	..
Katandra	5 4 11	..	5 4 11	..	56 4 6
Kerang	203 16 10	..	203 16 10	..	..
Koondrook	126 16 7	..	126 16 7	..	574 11 0
Leitchville	*Cr.* 4 5 1	3 12 0	*Cr.* 0 13 1	..	..
Maffra–Sale	2,142 15 0	143 15 4	2,286 10 4	..	7,838 5 11
Merbein	3,108 11 1	1 15 8	3,110 6 9	..	..
Murray Valley (under construction)	113,466 7 11	..	113,466 7 11	12,018 10 9	6,594 9 3
Mystic Park	124 12 0	..	124 12 0	..	..
North Shepparton	72 14 2	40 0 0	112 14 2	..	196 11 4
Nyah	9,717 5 4	..	9,717 5 4	..	..
Red Cliffs	14,193 11 0	320 14 3	14,514 5 3	..	..
Rochester	450 7 1	..	450 7 1	..	350 10 10
Rodney	1,014 16 3	8 12 6	1,023 8 9	..	203 5 7
Shepparton	435 19 3	..	435 19 3	..	150 0 3
South Shepparton	29 4 11	..	29 4 11	..	32 8 6
Swan Hill	396 10 3	..	396 10 3	..	786 6 5
Third Lake	5 18 7	..	5 18 7	..	..
Tongala–Stanhope	1,517 10 2	..	1,517 10 2	..	267 16 8
Tragowel Plains	62 13 3	..	62 13 3	..	117 13 4
Tresco	8 19 2	..	8 19 2	..	..
Werribee	129 6 7	..	129 6 7	..	32 7 8
Urban Divisions of Irrigation and Water Supply Districts.					
Bacchus Marsh	..	..	..	..	42 4 11
Cohuna	102 18 11	28 7 11	131 6 10	..	..
Corop	..	..	..	..	57 5 2
Red Cliffs	25 5 8	..	25 5 8	..	..
Stanhope	15 0 4	..	15 0 4	..	40 7 9
Waterworks Districts.					
Bellarine Peninsula (including Headworks)	9,226 9 0	202 5 11	9,428 14 11	..	4,524 1 2
Birchip	168 0 0	7 19 0	175 19 0	..	..
Carwarp	6 11 2	..	6 11 2	..	..
Coreena	175 0 0	..	175 0 0	..	..
Hindmarsh	10 7 0	..	10 7 0	..	..
Karkarooc	363 19 10	282 17 11	646 17 9	..	342 5 4
Kerang North-West Lakes	127 18 7	..	127 18 7	..	..
Long Lake	34 7 4	..	34 7 4	..	234 7 6
Millewa	28 3 10	..	28 3 10	..	..
Mornington Peninsula* (including Headworks)	35,177 9 8	105 11 11	35,283 1 7	..	5,658 15 7
Normanville	2,099 1 11	53 9 4	2,152 11 3	..	..
Otway (under Construction)	27,709 15 10	6,723 7 8	34,433 3 6	..	..
Sea Lake	42 9 4	..	42 9 4	..	1,522 2 6
Tyntynder	265 0 3	..	265 0 3	..	1,363 18 9
Tyrrell	17 1 5	..	17 1 5	..	2,122 13 1
Carried forward	313,250 14 11	8,735 19 8	321,986 14 7	12,018 10 9	37,998 1 7

CAPITAL EXPENDITURE—*continued.*

STATEMENT OF MONEYS EXPENDED FROM STATE FUNDS UNDER WATER SUPPLY LOAN ACTS AND FROM UNEMPLOYMENT RELIEF FUNDS FOR THE YEAR ENDED 30TH JUNE, 1940—*continued.*

Works.	Water Supply Loan Funds.				Unemployment Relief Funds Act 4097.
	Act 4655.	Act 4612.	Total Ordinary Loan Funds.	Treasurer's Advance.	
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Brought forward	313,250 14 11	8,735 19 8	321,986 14 7	12,018 10 9	37,998 1 7
Waterworks Districts—continued.					
Tyrrell West	57 2 11	..	57 2 11	..	3,316 15 4
Upper Western Wimmera	56 14 10	..	56 14 10	..	..
Upper Wimmera United	295 0 3	..	295 0 3	..	..
Western Wimmera	88 16 8	..	88 16 8	..	999 6 3
Wimmera United	30 10 10	..	30 10 10	..	711 1 7
Wycheproof	35 7 8	..	35 7 8	..	..
Yelta	..	..	..	..	25 0 0
Urban Districts of Waterworks Districts.					
Anglesea	0 2 6	..	0 2 6	..	..
Antwerp	1 3 9	..	1 3 9	..	..
Barwon Heads and Ocean Grove	122 3 4	..	122 3 4	..	..
Berriwillock	3 0 2	..	3 0 2	..	..
Beulah	6 1 10	..	6 1 10	..	174 18 11
Birchip	12 16 4	..	12 16 4	..	204 15 9
Brim	57 7 9	..	57 7 9	..	..
Carrum	149 10 1	0 4 0	149 14 1	..	..
Chillingollah	..	..	..	..	100 14 0
Chinkapook	..	..	..	..	1,023 19 0
Cobden	75 9 7	..	75 9 7	..	..
Coliban	28,620 14 1	12 10 1	28,633 4 2	..	161,672 13 10
Culgoa	1 14 10	..	1 14 10	..	..
Dandenong	142 3 5	0 7 6	142 10 11	..	..
Dimboola	46 0 8	..	46 0 8	..	..
Dooen	25 16 11	6 17 8	32 14 7	..	..
Drysdale	794 2 7	..	794 2 7	..	..
Frankston	769 7 7	0 3 0	769 10 7	..	..
Hopetoun	10 16 10	..	10 16 10	..	..
Jeparit	50 12 7	44 13 1	95 5 8	..	..
Jung Jung	4 18 9	..	4 18 9	..	2 17 3
Koondrook	82 17 11	..	82 17 11	..	62 19 9
Lake Boga	..	..	..	..	69 2 3
Lalbert	68 11 9	..	68 11 9	..	..
Lascelles	6 2 6	..	6 2 6	..	..
Manangatang	1 13 3	..	1 13 3	..	1,124 10 10
Marnoo	2 4 3	..	2 4 3	..	..
Merbein	70 6 1	*Cr.* 0 5 3	70 0 10	..	..
Minyip	7 10 4	..	7 10 4	..	23 6 6
Mornington	450 0 5	..	450 0 5	..	..
Mount Martha	316 14 5	..	316 14 5	..	..
Natimuk	9 19 8	..	9 19 8	..	..
Newstead	1 0 7	..	1 0 7	..	..
Nullawil	1 10 4	..	1 10 4	..	..
Nyah	..	..	..	..	93 11 3
Nyah West	..	..	..	..	170 7 8
Ouyen	117 10 10	..	117 10 10	..	..
Patchewollock	..	..	..	..	958 12 7
Piangil	54 15 5	..	54 15 5	..	..
Pyramid	..	..	..	..	11 6 4
Quambatook	5 5 0	..	5 5 0	..	..
Queenscliff and Point Lonsdale	115 3 5	..	115 3 5	..	..
Rainbow	770 6 10	738 16 4	1,509 3 2	..	..
Rupanyup	16 0 8	..	16 0 8	..	141 4 0
Sea Lake	14 5 10	..	14 5 10	..	..
South Frankston	233 11 0	0 4 6	233 15 6	..	..
Speed	3 16 7	..	3 16 7	..	*Cr.* 4 7 6
Spring Vale	1,828 16 11	410 17 0	2,239 13 11	..	..
Tempy	15 6 4	..	15 6 4	..	..
Terang	243 12 6	59 1 10	302 14 4	..	..
Torquay	79 13 11	..	79 13 11	..	..
Ultima	3 13 11	..	3 13 11	..	131 17 10
Waitchie	..	..	..	..	100 19 7
Watchem	6 6 0	..	6 6 0	..	..
Wonthaggi	62 13 6	..	62 13 6	..	..
Woomelang	6 6 8	..	6 6 8	..	..
Woorinen	1 0 0	..	1 0 0	..	..
Wycheproof	11 5 2	..	11 5 2	..	..
Yaapeet	1 0 0	..	1 0 0	..	..
Carried forward	349,317 13 8	10,009 9 5	359,327 3 1	12,018 10 9	209,113 14 7

CAPITAL EXPENDITURE—*continued.*

STATEMENT OF MONEYS EXPENDED FROM STATE FUNDS UNDER WATER SUPPLY LOAN ACTS AND FROM UNEMPLOYMENT RELIEF FUNDS FOR THE YEAR ENDED 30TH JUNE, 1940—*continued.*

Works.	Water Supply Loan Funds.				Unemployment Relief Funds Act 4097.
	Act 4655.	Act 4612.	Total Ordinary Loan Funds.	Treasurer's Advance.	
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Brought forward	349,317 13 8	10,009 9 5	359,327 3 1	12,018 10 9	209,113 14 7
Flood Protection Districts.					
Cardinia	1,968 16 7	..	1,968 16 7	..	4,977 1 2
Kanyapella	..	..	..	..	68 2 4
Kooweerup Lower	81 4 1	..	81 4 1	..	2,324 15 1
Drainage Districts.					
Cohuna	64 11 10	1 4 1	65 15 11	..	10,373 6 3
Kerang East	23 4 8	8 19 6	32 4 2	..	3,297 15 9
Maffra–Sale	48 7 5	7 10 0	55 17 5	..	47 11 8
Merbein	0 12 10	..	0 12 10	..	..
Red Cliffs	74 1 4	..	74 1 4	..	..
Rochester	314 12 0	2 11 0	317 3 0	..	3,054 13 6
Rodney	401 19 5	..	401 19 5	..	7,953 7 10
Shepparton	283 16 8	..	283 16 8	..	8,262 8 1
Tongala–Stanhope	408 11 9	..	408 11 9	..	4,067 0 10
Werribee	1 16 8	..	1 16 8	..	..
Woorinen	15 17 0	..	15 17 0	..	17,816 14 10
Proposed Drainage Districts.					
Nyah	..	..	..	..	4 13 4
Tresco	..	..	..	..	2,492 12 6
Waterworks Trusts and Local Governing Bodies ..	46,257 1 1	5,514 5 0	51,771 6 1	..	..
Miscellaneous.					
Carrum	..	..	..	..	61 8 4
River Improvements	..	..	..	..	15,848 12 1
TOTALS	**399,262 7 0**	**15,543 19 0**	**414,806 6 0**	**12,018 10 9**	**289,763 18 2**

* Is exclusive of £32,374 14 6 expended on Capital Works from Commonwealth Unemployment Relief Funds (Commonwealth Defence Works Unemployment Relief Account).

SUMMARY.

	£ s. d.
Ordinary Loan Funds (Acts 4655 and 4612)	414,806 6 0
Treasurer's Advance	12,018 10 9
Unemployment Relief Funds	289,763 18 2
Total Capital Expenditure from State Funds for 1939–40	**716,588 14 11**

CONTRACTS.

STATEMENT OF CONTRACTS ENTERED INTO DURING THE YEAR ENDED 30TH JUNE, 1940.

No.	Name of Contractor.	Work or Supply.	Amount (Loan and Vote). £ s. d.
3115	Australian Cement Ltd.	2,000 tons Portland Cement, Works Generally	7,483 6 8
3116	Thompson's Engineering and Pipe Co. Ltd.	Replacement Parts for 36-inch Pump, Merbein Pumping Station	946 0 0
3117	Ruston and Hornsby (Aust.) Pty. Ltd.	Two 2½ cubic yards Quarry Shovels, Hume Reservoir	27,520 14 3
3118	Alfred T. Harman and Sons Pty. Ltd.	Two 2½ cubic yards 60 feet radius Excavators, Kooweerup	24,300 0 0
3119	Alfred T. Harman and Sons Pty. Ltd.	One ¾ cubic yard Dragline Excavator, Kooweerup	4,120 0 0
3120	J. Botterill and Fraser	Two Towing Launches, Hume Reservoir	4,681 0 0
3121	Hume Pipe Co. (Aust.) Ltd.	Laying, jointing, and maintaining 21,054 feet 21-inch diameter Reinforced Concrete Pipes, Dromana-Portsea Extension	1,403 12 0
3122	Wilson Electric Transformer Co. Pty. Ltd.	One 1,000 K.V.A. step-down Transformer, Merbein Pumping Station	789 0 0
3123	Graham Campbell Ferrum Co. Pty. Ltd.	30-inch Cast Iron Outlet Pipes, Lauriston Reservoir	674 6 0
3124	A. Challingsworth Pty. Ltd.	Two bottom dump steel Barges, Hume Reservoir	12,344 0 0
3125	Australian General Electric Ltd.	One 600 H.P. slipring induction Motor with switch gear, Merbein Pumping Station	2,000 0 0
3126	Australian Cement Ltd.	2,000 tons Low heat Portland Cement, Lauriston Reservoir	7,708 6 8
3127	Malcolm Moore Ltd.	Eight 5 cubic yards Motor truck tipping Bodies, Hume Reservoir	1,780 0 0
3128	Fowler Road Maintenance Co. Pty. Ltd.	Tamping Roller, Lauriston Reservoir	1,197 18 0
3129	Australian General Electric Ltd.	Blading for Nos. 1 and 2 Turbines, Red Cliffs Pumping Station	1,801 10 0
3130	Hume Pipe Co. (Aust.) Ltd.	66,700 feet of 15-inch diameter reinforced concrete Pipes, Dromana-Portsea Extension	29,404 13 11
3131	Rocla Ltd.	18,200 feet of 18-inch, 16,580 feet 12-inch reinforced concrete Pipes, Dromana-Portsea Extension	11,860 4 0
3132	G. T. Gahan	Unloading and cartiug 9,000 tons Cement from Kyneton to Lauriston Reservoir	866 5 0
3133	R. G. Minns	14,000 cubic yards ¾-inch Screenings, 28,000 cubic yards 2-inch Stone, Lauriston Reservoir	18,431 17 6
3134	T. W. Needs	Supply and delivery 10,000 cubic yards coarse Sand, Lauriston Reservoir	4,125 0 0
3135	A. Warburton and Co. Pty. Ltd.	60 steel sheet Covers for Operating Gear, Yarrawonga Weir	422 19 0
3136	A. T. Harman and Sons Pty. Ltd.	One ½ cubic yard Excavator with back-ditcher, Works Generally	3,100 0 0
3137	Reinforced Concrete and Monier Pipe Construction Co. Pty. Ltd.	Erection of Sewage Pumping Station, Puckapunyal	1,997 12 0
3138	Marfleet and Weight Pty. Ltd.	Two 30-inch diameter Cone Valves, Lauriston Reservoir	2,572 18 0
3139	Southern States Drilling Co. Pty. Ltd.	Drilling 1,400 feet of 5-inch diameter Well Holes in granite, Hume Reservoir	1,699 10 0
3140	J. A. Black	Unloading and carting 8,000 cubic yards Fine Sand, Lauriston Reservoir	751 13 4
3141	G. E. Handley	Construction of Sewage Treatment Plant, Puckapunyal	8,274 5 0
3142	Thompson's Engineering and Pipe Co. Ltd.	Sewage Pumping Plant, Puckapunyal	1,060 0 0
3143	Tuke and Bell (Aust.) Pty. Ltd.	Cast Iron Pipework, Valves and Siphons, Puckapunyal	1,660 0 0
3144	Tuke and Bell (Aust.) Pty. Ltd.	Supply and erection of two Sewage Distributors, Puckapunyal	420 0 0
3145	Associated Quarries Pty. Ltd.	Graded aggregate for filter beds, Puckapunyal	2,286 10 0
3146	Australian Cement Ltd.	2,000 tons Low Heat Portland Cement, Works Generally	7,733 6 8
3147	Australian Cement Ltd.	2,000 tons Portland Cement, Works Generally	7,483 6 8
3148	J. Morell	3,200 cubic yards Beaching Stone Spalls, Waurn Ponds Basin	1,261 6 8
3149	Geo. W. Kelly and Lewis Ltd.	One 48 cusec Centrifugal Pump, Nyah Pumping Station	1,310 0 0
3150	Babcock and Wilcox Ltd.	Water tube Boiler and Equipment, Nyah Pumping Station	7,126 0 0
3151	Siemens (Aust.) Pty. Ltd.	Two Outlet Regulating Valves, Lauriston Reservoir	1,320 0 0
	Contracts at Piecework Rates—		
	Channel construction	Murray Valley District	36,432 19 0
	Firewood Supplies	Pumping Plants	10,593 3 3
	Miscellaneous		6,448 9 2
		Total	267,391 12 9

DIRECT LABOUR 1939-40.

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

Works.	Loan Funds. £	Unemployment Relief Funds. £
River Murray Storages	7,754	..
Otway District Towns (Camperdown, Terang, Warrnambool, Cobden)	10,579	..
Lauriston Reservoir	264	49,094
Coliban System	47	20,187
Coliban Emergency Supply	8,262	92
Murray Valley District	40,903	3,628
Wimmera Mallee System	4,507	9,750
Merbein, Mildura, and Red Cliffs Districts	2,128	..
Rivers and Reclamation Division—		
River Improvements	..	13,078
Kooweerup and Cardinia Flood Protection Works	13	3,272
Main Urban Supplies Division—		
Mornington Peninsula District	5,927	4,997
Bellarine Peninsula District	5,174	2,780
Gippsland and Goulburn Division—		
Deakin, Rochester, Rodney, Shepparton, Stanhope, and Tongala Districts	712	15 363
Maffra-Sale District	587	3,683
Bacchus Marsh and Werribee Districts	..	99
Loddon Division—		
Boort, Tragowel Plains, Nyah, Swan Hill, Cohuna, Kerang, Kerang Lakes, Koondrook, Mystic Park, and Tresco Districts	818	19,044
Miscellaneous	1,027	..
	88,702	145,067
Grand Total	£233,769	

WATER SUPPLY WORKS DEPRECIATION ACCOUNTS AS AT 30TH JUNE, 1940.

Name of District.	Balance at 1st July, 1939.	Amounts Paid into Account 1939–40.	Interest Credited 1939–40.	Total.	Expenditure 1939–40.	Balance in Account at 30th June, 1940.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
IRRIGATION AND WATER SUPPLY DISTRICTS.						
Bacchus Marsh ..	..	54 0 0	..	54 0 0	..	54 0 0
Boort	54 16 3	27 0 0	1 12 10	83 9 1	..	83 9 1
Calivil	26 0 0	13 0 0	0 15 7	39 15 7	..	39 15 7
Cohuna	193 0 11	..	..	193 0 11	..	193 0 11
Dingee	20 6 0	10 0 0	0 12 2	30 18 2	..	30 18 2
Katandra	24 0 0	12 0 0	0 14 5	36 14 5	..	36 14 5
Maffra–Sale	263 18 0	130 0 0	7 18 4	401 16 4	..	401 16 4
Merbein	123 11 9	5,679 19 10	..	5,803 11 7	..	5,803 11 7
North Shepparton ..	52 0 0	..	1 11 3	53 11 3	..	53 11 3
Nyah	116 7 2	385 12 3	3 9 7	505 9 0	..	505 9 0
Red Cliffs	11,618 19 4	8,109 3 11	215 6 4	19,943 9 7	..	19,943 9 7
Rochester	235 6 8	117 0 0	7 1 2	359 7 10	..	359 7 10
Rodney	256 0 0	128 0 0	7 13 7	391 13 7	..	391 13 7
Shepparton	94 0 0	47 0 0	2 16 5	143 16 5	..	143 16 5
South Shepparton ..	20 0 0	10 0 0	0 12 0	30 12 0	..	30 12 0
Swan Hill	1,196 10 6	340 0 0	20 14 0	1,557 4 6	..	1,557 4 6
Tongala–Stanhope ..	136 0 0	184 0 0	4 1 7	324 1 7	..	324 1 7
Tragowel Plains ..	..	207 0 0	..	207 0 0	..	207 0 0
Tresco	..	..	..	..	..	..
Werribee	..	246 0 0	..	246 0 0	..	246 0 0
Totals	14,430 16 7	15,699 16 0	274 19 3	30,405 11 10	..	30,405 11 10
URBAN DIVISIONS OF IRRIGATION AND WATER SUPPLY DISTRICTS.						
Bacchus Marsh ..	252 0 0	126 0 0	7 11 2	385 11 2	..	385 11 2
Cohuna	85 9 0	112 11 0	0 17 0	198 17 0	57 0 0	141 17 0
Corop	12 3 7	6 0 0	0 7 3	18 10 10	..	18 10 10
Dingee	35 7 10	14 0 0	0 17 0	50 4 10	..	50 4 10
Heyfield	232 5 7	115 0 0	6 19 5	354 5 0	..	354 5 0
Leitchville	84 13 0	90 0 0	1 7 9	176 0 9	..	176 0 9
Lockington	221 3 9	53 8 5	3 4 10	277 17 0	..	277 17 0
Murrabit	25 10 3	..	0 15 4	26 5 7	..	26 5 7
Red Cliffs	403 1 4	275 9 5	9 14 2	688 4 11	14 5 9	673 19 2
Stanhope	128 0 6	35 0 0	2 2 7	165 3 1	*Cr.* 0 11 3	165 14 4
Totals	1,479 14 10	827 8 10	33 16 6	2,341 0 2	70 14 6	2,270 5 8
WATERWORKS DISTRICTS.						
Carwarp	..	..	..	..	..	..
Carwarp Central ..	6 19 7	..	..	6 19 7	..	6 19 7
Coreena	..	..	..	..	..	..
Harcourt	..	39 0 0	..	39 0 0	..	39 0 0
Hindmarsh	477 9 0	4 2 3	8 9 2	490 0 5	..	490 0 5
Long Lake	..	..	..	..	..	..
Millewa	..	..	..	..	..	..
Millewa Central ..	..	..	..	..	..	..
Mornington	377 11 7	186 0 0	11 6 6	574 18 1	..	574 18 1
Otway	..	642 19 5	..	642 19 5	..	642 19 5
Tyntynder	..	..	..	..	..	..
Tyrrell	..	..	..	..	..	..
Tyrrell West	..	..	..	..	..	..
Upper Western Wimmera	169 1 2	..	..	169 1 2	..	169 1 2
Walpeup West ..	..	207 19 1	..	207 19 1	..	207 19 1
Western Wimmera ..	..	..	..	..	..	..
Wimmera United ..	..	..	..	..	..	..
Totals	1,031 1 4	1,080 0 9	19 15 8	2,130 17 9	..	2,130 17 9

WATER SUPPLY WORKS DEPRECIATION ACCOUNTS AS AT 30TH JUNE, 1940—*continued.*

Name of District.	Balance at 1st July, 1939.	Amounts Paid into Account 1939–40.	Interest Credited 1939–40.	Total.	Expenditure 1939–40.	Balance in Account at 30th June, 1940.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
URBAN DISTRICTS OF WATERWORKS DISTRICTS.						
Anglesea	108 1 0	59 19 0	3 4 10	171 4 10	..	171 4 10
Antwerp	9 1 8	2 0 0	0 2 5	11 4 1	..	11 4 1
Barwon Heads and Ocean Grove	493 13 9	279 0 0	13 7 11	786 1 8	47 2 1	738 19 7
Berriwillock	32 9 7	16 0 0	0 19 6	49 9 1	..	49 9 1
Berwick	528 1 7	263 0 0	15 16 10	806 18 5	..	806 18 5
Beulah	69 5 9	23 0 0	1 8 0	93 13 9	..	93 13 9
Birchip	127 18 6	151 19 4	3 15 6	283 13 4	30 0 0	253 13 4
Bittern	69 0 5	34 0 0	2 1 5	105 1 10	..	105 1 10
Brim	125 8 4	22 14 10	3 4 7	151 7 9	44 14 0	106 13 9
Bunyip	290 13 3	144 0 0	8 14 5	443 7 8	..	443 7 8
Camperdown	..	574 0 0	..	574 0 0	..	574 0 0
Carwarp	60 10 10	5 15 4	0 7 2	66 13 4	..	66 13 4
Carrum	3,000 12 9	4,019 7 3	90 0 4	7,110 0 4	..	7,110 0 4
Chillingollah	22 11 11	..	..	22 11 11	..	22 11 11
Chinkapook	63 0 11	..	..	63 0 11	..	63 0 11
Cobden	..	167 0 0	..	167 0 0	..	167 0 0
Coliban	2,838 7 11	9,182 14 5	76 1 6	12,097 3 10	302 11 10	11,794 12 0
Cranbourne	205 0 7	101 0 0	6 3 0	312 3 7	..	312 3 7
Crib Point	223 10 10	174 0 10	6 12 5	404 4 1	78 1 1	326 3 0
Culgoa	64 19 11	18 0 0	1 1 11	84 1 10	..	84 1 10
Dandenong	2,833 10 7	1,560 7 10	85 0 1	4,478 18 6	..	4,478 18 6
Dimboola	95 10 7	155 0 0	2 17 4	253 7 11	..	253 7 11
Dooen	18 18 2	14 8 5	0 11 4	33 17 11	..	33 17 11
Drysdale	166 0 0	83 0 0	4 19 7	253 19 7	..	253 19 7
Frankston	2,183 12 8	1,189 6 6	58 14 4	3,431 13 6	226 8 3	3,205 5 3
Garfield	224 13 0	111 0 0	4 5 7	339 18 7	81 19 1	257 19 6
Hastings	254 7 3	229 1 0	7 12 5	491 0 8	..	491 0 8
Hicksborough	26 2 7	6 0 0	0 7 3	32 9 10	..	32 9 10
Hopetoun	123 16 7	61 0 0	3 14 3	188 10 10	..	188 10 10
Jeparit	108 2 6	39 0 0	2 6 10	149 9 4	..	149 9 4
Jung Jung	90 0 0	..	2 14 0	92 14 0	..	92 14 0
Koondrook	37 18 10	0 0 2	..	37 19 0	37 19 0	..
Lake Boga	165 8 6	..	..	165 8 6	..	165 8 6
Lalbert	1 7 9	..	..	1 7 9	..	1 7 9
Lascelles ..	13 6 11	49 13 1	0 8 0	63 8 0	..	63 8 0
Longwarry	229 7 10	58 13 9	6 17 8	294 19 3	..	294 19 3
Manangatang	248 6 5	..	2 0 2	250 6 7	..	250 6 7
Marnoo	225 3 4	33 0 0	2 0 2	260 3 6	..	260 3 6
Marong	7 2 0	73 16 4	0 4 3	81 2 7	..	81 2 7
Merbein	283 8 2	137 0 0	8 6 11	428 15 1	..	428 15 1
Meringur	67 16 11	5 3 7	0 15 7	73 16 1	..	73 16 1
Minyip	..	75 0 0	..	75 0 0	..	75 0 0
Mornington	1,293 14 4	915 8 0	38 0 0	2,247 2 4	166 8 1	2,080 14 3
Mount Martha ..	330 17 10	163 0 0	9 18 6	503 16 4	..	503 16 4
Nandaly	78 10 7	6 0 3	0 10 11	85 1 9	..	85 1 9
Natimuk	101 10 0	50 0 0	3 0 10	154 10 10	..	154 10 10
Newstead	103 10 7	51 0 0	3 2 1	157 12 8	..	157 12 8
North Wonthaggi ..	178 11 10	44 0 0	2 13 7	225 5 5	..	225 5 5
Nullawil	47 7 2	10 0 0	0 12 2	57 19 4	..	57 19 4
Nyah	17 19 2	27 12 9	0 6 1	45 18 0	..	45 18 0
Nyah West	429 1 5	..	6 6 10	435 8 3	..	435 8 3
Ouyen	446 11 0	111 0 0	6 15 2	564 6 2	..	564 6 2
Pakenham	517 17 4	313 14 5	8 17 9	840 9 6	..	840 9 6
Patchewollock ..	110 19 10	17 0 0	1 0 5	129 0 3	..	129 0 3
Piangil	189 13 11	4 3 9	..	193 17 8	149 16 2	44 1 6
Portarlington ..	125 0 2	212 13 11	3 15 0	341 9 1	..	341 9 1
Pyramid Hill	217 13 11	39 0 0	2 7 6	259 1 5	..	259 1 5
Quambatook	89 3 10	34 19 1	2 12 4	126 15 3	..	126 15 3
Queenscliff and Point Lonsdale	1,035 15 11	514 0 0	31 1 6	1,580 17 5	..	1,580 17 5
Rainbow	97 8 10	48 0 0	2 18 5	148 7 3	..	148 7 3
Rupanyup	166 11 1	57 0 0	3 9 5	227 0 6	..	227 0 6
Sea Lake	549 9 11	75 0 0	4 11 4	629 1 3	..	629 1 3
Somerville	119 15 5	59 0 0	3 11 10	182 7 3	..	182 7 3
South Frankston ..	772 16 10	312 0 0	19 7 6	1,104 4 4	266 8 9	837 15 7
Speed	116 11 0	40 17 4	0 9 8	157 18 0	..	157 18 0
Carried forward ..	22,873 2 0	22,223 11 2	582 6 4	45,678 19 6	1,431 8 4	44,247 11 2

WATER SUPPLY WORKS DEPRECIATION ACCOUNTS AS AT 30TH JUNE, 1940—*continued.*

Name of District.	Balance at 1st July, 1939.	Amounts Paid into Account 1939-40.	Interest Credited 1939-40.	Total.	Expenditure 1939-40.	Balance in Account at 30th June, 1940.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
URBAN DISTRICTS OF WATERWORKS DISTRICTS—continued.						
Brought forward ..	22,873 2 0	22,223 11 2	582 6 4	45,678 19 6	1,431 8 4	44,247 11 2
Spring Vale	1,755 19 0	865 0 0	52 13 7	2,673 12 7	..	2,673 12 7
Terang	..	436 0 0	..	436 0 0	..	436 0 0
Tempy	107 9 1	26 7 1	0 14 11	134 11 1	..	134 11 1
Torquay	194 7 5	97 0 0	5 16 7	297 4 0	..	297 4 0
Ultima	76 14 2	..	..	76 14 2	65 15 0	10 19 2
Waitchie	..	..	..	..	..	..
Walpeup	..	39 0 0	..	39 0 0	..	39 0 0
Watchem	101 14 9	35 0 0	2 2 7	138 17 4	..	138 17 4
Werrimull	145 7 5	42 0 0	2 10 5	189 17 10	..	189 17 10
Wonthaggi	1,768 7 5	189 9 11	22 11 2	1,980 8 6	16 17 0	1,963 11 6
Woomelang	131 19 0	65 0 0	3 19 2	200 18 2	..	200 18 2
Woorinen	37 18 11	41 0 9	..	78 19 8	..	78 19 8
Wycheproof	524 18 0	143 0 0	8 14 2	676 12 2	..	676 12 2
Yaapeet	107 9 7	..	1 0 11	108 10 6	..	108 10 6
Totals	27,825 6 9	24,202 8 11	682 9 10	52,710 5 6	1,514 0 4	51,196 5 2
DRAINAGE DISTRICTS.						
Merbein	469 2 7	376 10 10	14 1 6	859 14 11	..	859 14 11
Red Cliffs	100 4 11	486 18 1	3 0 2	590 3 2	..	590 3 2
Totals	569 7 6	863 8 11	17 1 8	1,449 18 1	..	1,449 18 1
Grand Totals ..	**45,336 7 0**	**42,673 3 5**	**1,028 2 11**	**89,037 13 4**	**1,584 14 10**	**87,452 18 6**

RECONCILIATION OF WATER SUPPLY WORKS DEPRECIATION ACCOUNT WITH WATER SUPPLY WORKS DEPRECIATION FUND (ACT 3801 AS AMENDED BY ACT 4513).

Water Supply Works Depreciation Account.

	£ s. d.	£ s. d.
Balance from 1938-39 ..	45,336 7 0	
Paid into Account 1939-40 ..	42,673 3 5	
	88,009 10 5	
Interest Credited ..	1,028 2 11	
	89,037 13 4	
Less Expenditure 1939-40	1,584 14 10	
Balance in Account 30th June, 1940 ..		87,452 18 6
		87,452 18 6

Water Supply Works Depreciation Fund (in Treasury).

	£ s. d.	£ s. d.
Credit Balance as at 30th June, 1939	9,832 13 7	
Less Expenditure 1939-40 ..	1,584 14 10	
		8,247 18 9
Amount invested in Sundry Investments Account ..	4,090 9 0	
Interest earned 1939-40 ..	123 12 7	
		4,214 1 7
Balance amount paid to Consolidated Revenue, but not yet transferred to Fund		74,990 18 2
		87,452 18 6

WATER SUPPLY PLANT AND MACHINERY ACCOUNT (ACT 4655).

SUMMARY OF FIRST YEAR OF OPERATIONS TO 30TH JUNE, 1940.

	£ s. d.
Amounts charged on moneys authorized for carrying out construction and maintenance of Commission works on which plant and machinery was engaged :—	
Interest with respect to Capital Liability of—	
At 30th June, 1939, nil.	
At 30th June, 1940, £36,522 16s. 11d.	1,291 15 8
Redemption	80 19 7
Depreciation	4,660 19 8
Costs of operation maintenance and repairs	9,393 0 1
	15,426 15 0

	£ s. d.	£ s. d.
Interest paid to Revenue No. 2, Interest to 30th June, 1940		627 13 1
Redemption paid to Revenue No. 9, Miscellaneous, to 30th June, 1940 ..		39 8 10
Water Supply Works, Plant and Machinery Depreciation Fund (in Treasury) ..		4,660 19 8
Costs of operation maintenance and repairs		8,842 11 1
Stores Suspense Account Reserve for :—		
Interest	664 2 7	
Redemption	41 10 9	
Costs of operation maintenance and repairs ..	550 9 0	
		1,256 2 4
		15,426 15 0

LOAN CAPITAL LIABILITY.

WORKS UNDER CONTROL OF COMMISSION.

The following statement gives a brief description, summary of Loan Liability for expenditure under Loan Application Acts, and other particulars relative to the undermentioned works.

A.—FREE HEADWORKS.	Expenditure.	Net Loan Capital Liability at 30th June, 1940.
	£ s. d.	£ s. d.
Broken River Works.—Casey's Weir and offtake, with about 59 chains of channel to the Broken Creek; Gowangardie Weir with offtake sluice ..	14,852 15 0	
Goulburn River Works.—Weir on the Goulburn River, about 9 miles above Murchison; channel therefrom, about 23½ miles, to Waranga Reservoir; and that Reservoir (but exclusive of the work of its enlargement)	739,525 8 1	
Kerang North-West Lakes Works.—Weir on the Loddon River at its confluence with the Pyramid Creek; regulating weirs at the effluence from the Loddon of the Sheepwash and Washpen Creeks; channel from the Washpen Creek regulator to Reedy Lake, Middle Lake, Third Lake, Lake Charm, Racecourse Lake, Cullen's Lake, Kangaroo Lake, and Lake Tutchewop, and to the Little Murray River, with water storage works at these lakes	26,619 17 3	
Kow Swamp Works.—Intake from the River Murray with regulator, at the effluence of the Gunbower Creek; channel thence to the Kow Swamp Reservoir; and that Reservoir; channel along the northern side of the reservoir; channel from the outlet of the reservoir, about 23½ miles, to the left bank of the Loddon River	187,964 7 3	
Lake Lonsdale Reservoir.—Reservoir at Lake Lonsdale, on the Little Wimmera River, near Ledcourt	49,057 4 2	
Loddon River Works.—Laanecoorie Weir, on the Loddon; Bridgewater Weir, on the Loddon; Kinypanial Weir, on the Loddon	172,351 14 3	
Long Lake Pumping Works.—Inlet to Lake Baker, from the Little Murray River; water storage works at Lake Baker and Long Lake, with channel connecting these lakes; pumping plant at Long Lake, with rising main thence about 7 miles to allotment 10M, parish of Kooem; system of main distributary channels, about 85 miles in length	27,305 18 5	
Lower Wimmera Compensation Works.—Drung Drung Weir, on the Wimmera, near allotment 29, parish of Longerenong; Dimboola Weir, on the Wimmera, near Dimboola township; Antwerp Weir, on the Wimmera, at Antwerp Station homestead; Jeparit Weir, on the Wimmera, near Jeparit township	8,663 12 3	
		1,226,340 16 8
B.—CAPITAL WORKS AND CHARGES NOT APPORTIONABLE TO DISTRICTS.		
Geelong (inclusive of Loan Flotation Expenses)	160,609 0 11	
Eppalock Reservoir	111,704 2 4	
Goulburn Levees	30,797 0 4	
Lang Lang River Works	48,543 8 9	
Surveys and Preliminary Investigations	197,543 18 5	
Loan Flotation Expenses	755,654 18 8	
Plant and Machinery Suspense	36,483 8 1	
		1,341,335 17 6

C.—HEADWORKS—EXCLUSIVE OF FREE HEADWORKS.

In Respect of Irrigation and Water Supply Districts and Waterworks Districts.

	£ s. d.	£ s. d.	£ s. d.
Goulburn and Loddon Storages (exclusive of Free Headworks)—			
Investigations	6,534 7 4		
Eildon Reservoir	1,889,975 5 11		
Waranga Reservoir Enlargement	609,576 17 1		
Laanecoorie Weir Improvements	2,509 9 3		
		2,508,595 19 7	
Goulburn Main Channels—			
East Goulburn Main	363,963 11 1		
Goulburn–Waranga	6,922 8 4		
Waranga–Western Main	1,047,469 10 0		
Main Distributaries	10,635 13 0		
		1,428,991 2 5	
Total Goulburn and Loddon Works (exclusive of Free Headworks) ..	..	3,937,587 2 0	
Less Debited to Wimmera–Mallee	..	99,867 10 6	
			3,837,719 11 6
Bacchus Marsh and Werribee Schemes—			
Ballan Tunnel	..	21,677 14 8	
Pykes Creek Reservoir	..	142,230 16 1	
Melton Reservoir	..	99,174 8 10	
Lerderderg River Flats	..	330 0 8	
			263,413 0 3
Bellarine Peninsula Waterworks District (exclusive of cost of Urban Reticulation, £41,339 9s. 11d.)	..	455,633 16 9	
Less Redemption paid to Revenue	..	413 10 9	
			455,220 6 0
Mornington Peninsula Waterworks District (exclusive of cost of Distributary Works and Urban Reticulation, £224,644 5s. 11d.)	..	969,683 13 4	
Less Redemption paid to Revenue	..	156 12 9	
			969,527 0 7
Maffra–Sale Scheme—Glenmaggie Reservoir	..	..	678,357 6 11
River Murray Agreement Works (Victorian Contributions under River Murray Waters Acts)	..	..	2,957,745 13 8
River Murray State Works—Surveys, &c.	..	..	7,506 18 7
Otway Waterworks District (under Construction) (exclusive of cost of Urban Reticulation, £87,703 0s. 7d.)	..	..	251,846 3 6
Wimmera–Mallee—Main Channels and Storages inclusive of £99,867 10s. 6d. from Goulburn Works ..	..	..	946,333 4 9
			10,367,669 5 9
		Carried forward ..	**12,935,345 19 11**

LOAN CAPITAL LIABILITY—*continued.*

Name of District.	Loan Liability (including Treasurer's Advance, £12,018 10s. 9d.). Headworks.	Distributary Works.	Total.	Allotted to District.	Capital Expenditure Borne by the State Account. Headworks.	Distributary Works.	Total.	Net Loan Capital Liability at 30th June, 1940.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Brought forward ..								12,935,345 19 11
D.—IRRIGATION AND WATER SUPPLY DISTRICTS.								
1. Bacchus Marsh	82,649 2 8	95,942 10 4	178,591 13 0	72,229 16 3	82,168 16 0	24,193 0 9	106,361 16 9	
2. Boort	170,293 0 0	79,616 19 1	249,909 19 1	14,275 15 9	170,292 0 0	65,342 3 4	235,634 3 4	
3. Calivil	81,654 0 0	112,960 3 0	194,614 3 0	8,913 8 2	81,653 0 0	104,047 14 10	185,700 14 10	
4. Campaspe	5,031 0 0	12,283 0 8	17,314 0 8	..	5,031 0 0	12,283 0 8	17,314 0 8	
5. Cohuna	427,138 0 0	284,672 6 11	711,810 6 11	193,148 3 8	427,138 0 0	91,524 3 3	518,662 3 3	
6. Deakin	36,922 6 11	58,381 4 7	95,303 11 6	28,632 12 6	36,922 6 11	29,748 12 1	66,670 19 0	
7. Dingee	58,278 0 0	15,471 12 2	73,749 12 2	11,256 7 3	58,278 0 0	4,215 4 11	62,493 4 11	
8. Dry Lake	1,965 0 0	718 16 9	2,683 16 9	718 16 9	1,965 0 0	..	1,965 0 0	
9. Fish Point	21,468 0 0	15,798 11 10	37,266 11 10	..	21,468 0 0	15,798 11 10	37,266 11 10	
10. Katandra	76,272 0 0	107,385 16 1	183,657 16 1	14,792 4 5	76,271 0 0	92,594 11 8	168,865 11 8	
11. Kerang	246,783 0 0	127,271 8 4	374,054 8 4	62,319 16 1	246,783 0 0	64,951 12 3	311,734 12 3	
12. Koondrook	245,136 0 0	217,787 6 10	462,923 6 10	86,351 0 9	239,639 0 0	136,933 6 1	376,572 6 1	
13. Leitchville	67,853 8 1	42,744 10 10	110,597 18 11	30,827 11 3	67,853 8 1	11,916 19 7	79,770 7 8	
14. Maffra–Sale	678,357 6 11	578,132 1 4	1,256,489 8 3	98,572 19 0	678,352 6 9	479,564 2 6	1,157,916 9 3	
15. Merbein	193,605 0 0	253,320 12 8	446,925 12 8	52,292 19 6	193,605 0 0	201,027 13 2	394,632 13 2	
16. Mystic Park	38,985 19 8	17,471 6 5	56,457 6 1	6,707 8 1	38,985 19 8	10,763 18 4	49,749 18 0	
17. North Shepparton ..	157,158 0 0	198,018 18 0	355,176 18 0	70,095 1 3	157,157 0 0	127,924 16 9	285,081 16 9	
18. Nyah	74,034 0 0	120,912 13 9	194,946 13 9	4,397 4 1	74,034 0 0	116,515 9 8	190,549 9 8	
19. Red Cliffs	280,035 0 0	791,196 12 2	1,071,231 12 2	45,761 7 10	280,035 0 0	745,435 4 4	1,025,470 4 4	
20. Rochester	844,868 11 3	339,517 3 3	1,184,385 14 6	193,668 8 2	844,863 11 3	145,853 15 1	990,717 6 4	
21. Rodney	908,267 12 9	576,735 15 0	1,485,003 7 9	155,394 19 0	908,261 12 9	421,346 16 0	1,329,608 8 9	
22. Shepparton	287,430 0 0	197,195 2 8	484,625 2 8	71,158 5 1	287,428 0 0	126,038 17 7	413,466 17 7	
23. South Shepparton ..	58,936 19 10	59,583 11 11	118,520 11 9	17,582 5 7	58,936 19 10	42,001 6 4	100,938 6 2	
24. Swan Hill	290,207 0 0	184,983 11 8	475,190 11 8	68,490 18 11	290,207 0 0	116,492 12 9	406,699 12 9	
25. Third Lake	25,355 0 0	25,206 19 10	50,561 19 10	4,646 12 5	25,355 0 0	20,560 7 5	45,915 7 5	
26. Tongala–Stanhope ..	644,991 0 0	296,063 8 0	941,054 8 0	146,196 2 9	644,987 10 0	149,870 15 3	794,858 5 3	
27. Tragowel Plains	507,617 0 9	259,193 19 10	766,811 0 7	116,317 13 4	507,614 0 9	142,879 6 6	650,493 7 3	
28. Tresco	25,675 0 0	90,860 14 10	116,535 14 10	..	25,675 0 0	90,860 14 10	116,535 14 10	
29. Werribee	180,763 17 7	119,092 1 10	299,855 19 5	118,721 18 6	180,727 17 11	406 3 0	181,134 0 11	
	6,717,730 6 5	5,278,519 0 7	11,996,249 7 0	1,693,469 16 4	6,711,688 9 11	3,591,091 0 9	10,302,779 10 8	
Under Construction—								
30. Murray Valley	887,417 4 6	328,243 7 11	1,215,660 12 5	26,392 12 3	887,417 4 6	301,850 15 8	1,189,268 0 2	
Totals	7,605,147 10 11	5,606,762 8 6	13,211,909 19 5	1,719,862 8 7	7,599,105 14 5	3,892,941 16 5	11,492,047 10 10	
Less Treasurer's Advance ..	..	12,018 10 9	12,018 10 9	..	..	12,018 10 9	12,018 10 9	
Loan Liability	7,605,147 10 11	**5,594,743 17 9**	13,199,891 8 8	1,719,862 8 7	7,599,105 14 5	3,880,923 5 8	11,480,029 0 1	**5,594,743 17 9**

E.—URBAN DIVISIONS OF IRRIGATION AND WATER SUPPLY DISTRICTS.

1. Bacchus Marsh	..	..	..			14,032	0	0	14,032	0	0	10,910	3	7	..		3,121	16	5	3,121	16	5	
2. Cohuna	..	..	..	..		9,031	6	4	9,031	6	4	9,031	6	4	..		..			..			
3. Corop	..	..	..	..		231	15	6	231	15	6	..			..		231	15	6	231	15	6	
4. Dingee	..	..	..	..		1,452	4	5	1,452	4	5	..			..		1,452	4	5	1,452	4	5	
5. Heyfield	..	..	..	..		12,244	18	4	12,244	18	4	..			..		12,244	18	4	12,244	18	4	
6. Leitchville	..	..	..	..		3,913	4	9	3,913	4	9	1,758	3	4	..		2,155	1	5	2,155	1	5	
7. Lockington	..	..	..	..		2,286	16	1	2,286	16	1	2,286	16	1	..		..			..			
8. Murrabit	..	..	..	..		1,024	19	11	1,024	19	11	..			..		1,024	19	11	1,024	19	11	
9. Red Cliffs	..	..	..	..		16,378	7	10	16,378	7	10	13,269	4	10	..		3,109	3	0	3,109	3	0	
10. Stanhope	..	..	..	..		1,450	18	6	1,450	18	6	1,450	18	6	..		..			..			
Totals, Loan Liability	..	..	..	..		**62,046**	**11**	**8**	62,046	11	8	38,706	12	8	..		23,339	19	0	23,339	19	0	**62,046 11 8**

F.—WATERWORKS DISTRICTS.

1. Axe Creek	..	..	..	..		4,894	0	0	4,894	0	0	3,129	0	0	..		1,765	0	0	1,765	0	0	
2. Bellarine Peninsula	..	286,112	15	3	..			286,112	15	3	82,616	9	8	203,496	5	7	..			203,496	5	7	
3. Birchip	..	38,144	18	0	103,024	14	4	141,169	12	4	25,446	10	0	38,143	18	0	77,579	4	4	115,723	2	4	
4. Carwarp	..	..			41,410	19	11	41,410	19	11	..			..			41,410	19	11	41,410	19	11	
5. Carwarp Central	..	..			2,353	10	2	2,353	10	2	..			..			2,353	10	2	2,353	10	2	
6. Coreena	..	..			46,091	11	10	46,091	11	10	..			..			46,091	11	10	46,091	11	10	
7. Harcourt	..	..			17,145	7	2	17,145	7	2	15,451	7	2	..			1,694	0	0	1,694	0	0	
8. Hindmarsh	..	4,118	10	8	15,484	19	8	19,603	10	4	5,854	6	7	4,118	10	8	9,630	13	1	13,749	3	9	
9. Karkarooc	..	96,113	18	2	219,476	3	8	315,590	1	10	1,136	6	11	95,440	0	0	219,013	14	11	314,453	14	11	
10. Kerang North-West Lakes	..	..			2,444	12	11	2,444	12	11	..			..			2,444	12	11	2,444	12	11	
11. Long Lake	..	63,511	0	0	106,257	3	9	169,768	3	9	8,425	3	3	63,328	0	0	98,015	0	6	161,343	0	6	
12. Millewa	..	103,244	0	0	379,518	12	10	482,762	12	10	..			103,244	0	0	379,518	12	10	482,762	12	10	
13. Millewa Central	..	36,351	0	0	133,892	0	0	170,243	0	0	..			36,351	0	0	133,892	0	0	170,243	0	0	
14. Mornington Peninsula	..	141,027	13	9	10,281	0	3	151,308	14	0	62,498	17	3	78,529	6	6	10,280	10	3	88,809	16	9	
15. Newstead	..	..			4,636	6	10	4,636	6	10	..			..			4,636	6	10	4,636	6	10	
16. Normanville	..	..			20,035	0	7	20,035	0	7	19,965	12	1	..			69	8	6	69	8	6	
17. Sea Lake	..	46,416	0	0	143,673	10	9	190,089	10	9	10	6	5	46,415	0	0	143,664	4	4	190,079	4	4	
18. Tyntynder	..	117,913	0	0	257,292	18	7	375,205	18	7	616	10	5	117,573	0	0	257,016	8	2	374,589	8	2	
19. Tyrrell	..	84,290	0	0	165,561	2	3	249,851	2	3	2	0	0	84,288	0	0	165,561	2	3	249,849	2	3	
20. Tyrrell West	..	148,075	0	0	279,285	3	1	427,360	3	1	3	10	0	148,072	0	0	279,284	13	1	427,356	13	1	
21. Upper Western Wimmera	..	28,002	18	2	57,827	7	11	85,830	6	1	1	19	8	28,001	18	6	57,826	7	11	85,828	6	5	
22. Upper Wimmera United	..	44,017	0	0	76,160	6	0	120,177	6	0	63,842	19	10	44,016	0	0	12,318	6	2	56,334	6	2	
23. Walpeup West	..	..			35,880	18	8	35,880	18	8	..			..			35,880	18	8	35,880	18	8	
24. Werribee	..	..			11,554	11	4	11,554	11	4	5,440	12	6	..			6,113	18	10	6,113	18	10	
25. Western Wimmera	..	115,419	6	9	236,292	3	11	351,711	10	8	157,824	3	11	115,417	6	9	78,470	0	0	193,887	6	9	
26. Wimmera United	..	97,029	2	8	177,184	3	10	274,213	6	6	261,582	13	8	12,885	10	4	*Cr.* 254	17	6	12,630	12	10	
27. Wycheproof	..	63,282	10	4	167,090	15	11	230,373	6	3	77,847	8	8	63,281	10	4	89,244	7	3	152,525	17	7	
28. Yelta	..	..			6,152	7	2	6,152	7	2	..			..			6,152	7	2	6,152	7	2	
		1,513,068	13	9	2,720,901	13	4	4,233,970	7	1	791,695	18	0	1,282,601	6	8	2,159,673	2	5	3,442,274	9	1	
Under Construction—																							
29. Otway	..	187,498	3	6	..			187,498	3	6	64,317	7	1	123,180	16	5	..			123,180	16	5	
30. Mornington Peninsula Extension (Including proportion of Main Headworks Costs.)		271,001	2	8	..			271,001	2	8	77,914	4	6	193,086	18	2	..			193,086	18	2	
Totals, Loan Liability	..	1,971,567	19	11	**2,720,901**	**13**	**4**	4,692,469	13	3	933,927	9	7	1,598,869	1	3	2,159,673	2	5	3,758,542	3	8	**2,720,901 13 4**
																			Carried forward	..		**21,313,038 2 8**

LOAN CAPITAL LIABILITY—*continued.*

Net Loan Capital Liability at 30th June, 1940.		
£	*s.*	*d.*
21,313,038	2	8

Brought forward ..

Name of District.	Loan Liability.			Allotted to District.	Capital Expenditure Borne by the State Account.		
	Headworks.	Distributary Works.	Total.		Headworks.	Distributary Works.	Total.
	£ *s.* *d.*	£ *s.* *d.*	£ *s.* *d.*	£ *s.* *d.*	£ *s.* *d.*	£ *s.* *d.*	£ *s.* *d.*
G.—URBAN DISTRICTS OF WATERWORKS DISTRICTS.							
1. Anglesea	8,621 15 11	9,740 19 6	18,362 15 5	116 15 10	8,591 8 2	9,654 11 5	18,245 19 7
2. Antwerp	..	709 0 1	709 0 1	709 0 1	..	..	..
3. Barwon Heads and Ocean Grove	32,062 17 1	7,226 7 0	39,289 4 1	16,037 11 3	23,251 12 10	..	23,251 12 10
4. Berriwillock	..	5,199 4 3	5,199 4 3	1,946 4 9	..	3,252 19 6	3,252 19 6
5. Berwick	13,733 4 8	8,652 7 3	22,385 11 11	2,012 11 8	13,729 4 8	6,643 15 7	20,373 0 3
6. Beulah	..	7,584 6 3	7,584 6 3	6 1 10	..	7,578 4 5	7,578 4 5
7. Birchip	..	12,489 13 1	12,489 13 1	1,675 8 11	..	10,814 4 2	10,814 4 2
8. Bittern	1,671 1 8	1,207 0 0	2,878 1 8	..	1,671 1 8	1,207 0 0	2,878 1 8
9. Brim	..	3,562 19 4	3,562 19 4	3,076 16 5	..	486 2 11	486 2 11
10. Bunyip	5,382 2 7	5,891 0 8	11,273 3 3	172 12 2	5,380 19 7	5,719 11 6	11,100 11 1
11. Camperdown	28,813 0 0	48,471 6 1	77,284 6 1	77,284 6 1	..	..	..
12. Carrum	170,680 16 9	43,412 17 9	214,093 14 6	41,757 19 3	170,529 5 4	1,806 9 11	172,335 15 3
13. Carwarp	..	633 3 6	633 3 6	..	..	633 3 6	633 3 6
14. Chillingollah	..	2,482 3 1	2,482 3 1	1,529 0 0	..	953 3 1	953 3 1
15. Chinkapook	..	2,551 11 7	2,551 11 7	588 0 0	..	1,963 11 7	1,963 11 7
16. Cobden	6,213 0 0	14,212 1 3	20,425 1 3	20,425 1 3	..	..	..
17. Coliban	..	1,648,225 9 8	1,648,225 9 8	385,292 5 10	..	1,262,933 3 10	1,262,933 3 10
18. Cranbourne	6,614 0 11	2,750 12 8	9,364 13 7	3,542 2 0	5,822 11 7	..	5,822 11 7
19. Crib Point	8,766 18 0	3,029 0 0	11,795 18 0	6,520 0 0	5,275 18 0	..	5,275 18 0
20. Culgoa	..	4,424 1 9	4,424 1 9	4,052 7 9	..	371 14 0	371 14 0
21. Dandenong	95,869 19 5	39,794 11 2	135,664 10 7	40,711 10 4	94,269 13 8	683 6 7	94,953 0 3
22. Dimboola	..	17,893 7 3	17,893 7 3	17,893 7 3	..	..	..
23. Dooen	..	681 4 0	681 4 0	..	..	681 4 0	681 4 0
24. Drysdale	11,277 8 1	2,159 11 9	13,436 19 10	857 9 6	11,236 8 1	1,343 2 3	12,579 10 4
25. Frankston	92,882 19 10	16,079 3 8	108,962 3 6	74,000 19 2	34,961 4 4	..	34,961 4 4
26. Garfield	4,188 16 4	4,487 18 2	8,676 14 6	914 8 2	4,187 16 4	3,574 10 0	7,762 6 4
27. Hastings	7,403 4 5	6,273 9 1	13,676 13 6	1,025 9 1	7,401 4 5	5,250 0 0	12,651 4 5
28. Hicksborough	..	989 2 2	989 2 2	329 19 5	..	659 2 9	659 2 9
29. Hopetoun	..	10,304 5 4	10,304 5 4	1,925 0 11	..	8,379 4 5	8,379 4 5
30. Jeparit	..	13,386 13 2	13,386 13 2	13,386 13 2	..	..	..
31. Jung Jung	..	3,340 6 5	3,340 6 5	..	..	3,340 6 5	3,340 6 5
32. Koondrook	..	5,689 0 6	5,689 0 6	58 16 0	..	5,630 4 6	5,630 4 6
33. Lake Boga	..	5,517 1 2	5,517 1 2	..	..	5,517 1 2	5,517 1 2
34. Lalbert	..	4,651 6 10	4,651 6 10	4,397 11 9	..	253 15 1	253 15 1
35. Lascelles	..	4,263 19 10	4,263 19 10	1,059 16 6	..	3,204 3 4	3,204 3 4
36. Longwarry	6,740 15 11	5,072 8 5	11,813 4 4	11,810 4 4	3 0 0	..	3 0 0
37. Manangatang	..	5,110 19 6	5,110 19 6	5,110 19 6	..	..	..
38. Marnoo	..	4,070 19 10	4,070 19 10	4,070 19 10	..	..	..
39. Marong	..	2,100 0 0	2,100 0 0	1,129 0 0	..	971 0 0	971 0 0

40. Merbein	..	18,321 6 4	18,321 6 4	16,488 16 0	..	1,832 10 4	1,832 10 4	
41. Meringur	..	1,752 13 0	1,752 13 0	..	..	1,752 13 0	1,752 13 0	
42. Minyip	..	10,290 1 3	10,290 1 3	10,290 1 3	..	..	..	
43. Mornington	43,082 2 5	16,205 15 8	59,287 18 1	42,841 2 4	16,446 15 9	..	16,446 15 9	
44. Mount Martha	4,855 8 0	9,669 0 5	14,524 8 5	9,199 9 6	4,854 8 0	470 10 11	5,324 18 11	
45. Nandaly	..	1,749 13 11	1,749 13 11	..	..	1,749 13 11	1,749 13 11	
46. Natimuk	..	4,937 16 10	4,937 16 10	3,983 5 11	..	954 10 11	954 10 11	
47. Newstead	..	7,578 5 6	7,578 5 6	5,886 9 11	..	1,691 15 7	1,691 15 7	
48. North Wonthaggi	..	4,155 8 10	4,155 8 10	1,194 18 10	..	2,960 10 0	2,960 10 0	
49. Nullawil	..	3,669 10 1	3,669 10 1	3,130 15 5	..	538 14 8	538 14 8	
50. Nyah	..	340 3 5	340 3 5	164 11 9	..	175 11 8	175 11 8	
51. Nyah West	..	5,713 11 6	5,713 11 6	21 4 6	..	5,692 7 0	5,692 7 0	
52. Ouyen	..	20,818 16 8	20,818 16 8	5,796 12 2	..	15,022 4 6	15,022 4 6	
53. Pakenham	10,542 18 9	7,990 18 0	18,533 16 9	14,767 18 0	3,765 18 9	..	3,765 18 9	
54. Patchewollock	..	3,628 19 0	3,628 19 0	..	..	3,628 19 0	3,628 19 0	
55. Piangil	..	6,097 9 0	6,097 9 0	54 15 5	..	6,042 13 7	6,042 13 7	
56. Portarlington	22,747 10 11	2,543 9 6	25,291 0 5	220 13 4	22,664 10 11	2,405 16 2	25,070 7 1	
57. Pyramid Hill	..	5,013 3 8	5,013 3 8	5,013 3 8	..		..	
58. Quambatook	..	4,846 12 3	4,846 12 3	3,164 6 8		1,682 5 7	1,682 5 7	
59. Queenscliff and Point Lonsdale	72,721 5 1	9,856 17 2	82,578 2 3	31,967 3 1	50,610 19 2	..	50,610 19 2	
60. Rainbow		11,496 13 10	11,496 13 10	11,496 13 10	..	..	..	
61. Rupanyup	..	10,638 12 4	10,638 12 4	9,031 2 6	..	1,607 9 10	1,607 9 10	
62. Sea Lake	..	7,739 2 2	7,739 2 2	7,739 2 2	..	..	..	
63. Somerville	3,333 10 8	2,761 0 0	6,094 10 8	4,780 0 2	1,314 10 6	..	1,314 10 6	
64. South Frankston	13,743 4 0	15,041 18 7	28,785 2 7	25,969 17 3	8 0 0	2,807 5 4	2,815 5 4	
65. Speed	..	2,838 2 3	2,838 2 3	3 16 7	..	2,834 5 8	2,834 5 8	
66. Spring Vale	68,006 19 10	26,044 4 2	94,051 4 0	39,956 12 3	54,094 11 9	..	54,094 11 9	
67. Tempy	..	2,624 18 2	2,624 18 2	15 6 4	..	2,609 11 10	2,609 11 10	
68. Terang	29,322 0 0	25,019 13 3	54,341 13 3	54,341 13 3	..	..	..	
69. Torquay	21,676 13 8	9,812 5 0	31,488 18 8	3,201 2 6	21,598 13 8	6,689 2 6	28,287 16 2	
70. Ultima	..	6,575 3 2	6,575 3 2	3 13 11	..	6,571 9 3	6,571 9 3	
71. Waitchie	..	2,539 5 6	2,539 5 6	..	..	2,539 5 6	2,539 5 6	
72. Walpeup	..	1,987 3 3	1,987 3 3	794 0 1	..	1,193 3 2	1,193 3 2	
73. Watchem	..	5,115 13 3	5,115 13 3	2,768 8 2	..	2,347 5 1	2,347 5 1	
74. Werrimull	..	4,849 0 0	4,849 0 0	631 16 6	..	4,217 3 6	4,217 3 6	
75. Wonthaggi	..	67,640 4 11	67,640 4 11	15,960 7 6	..	51,679 17 5	51,679 17 5	
76. Woomelang	..	9,277 12 1	9,277 12 1	2,932 12 6	..	6,344 19 7	6,344 19 7	
77. Woorinen	..	1,965 18 11	1,965 18 11	1,293 3 6	..	672 15 5	672 15 5	
78. Wycheproof	..	10,908 8 8	10,908 8 8	690 6 7	..	10,218 2 1	10,218 2 1	
79. Yaapeet	..	2,286 6 8	2,286 6 8	754 0 0	..	1,532 6 8	1,532 6 8	
Totals, Loan Liability ..	790,953 14 11	**2,356,661 11 2**	3,147,615 6 1	1,081,975 13 4	561,669 17 2	1,503,969 15 7	2,065,639 12 9	**2,356,661 11 2**

H.—FLOOD PROTECTION DISTRICTS.

1. Cardinia	..	102,896 10 4	102,896 10 4	..	..	102,896 10 4	102,896 10 4	
2. Kanyapella	..	3,919 11 1	3,919 11 1	3,919 11 1	..	..	..	
3. Kooweerup Lower ..	..	241,218 7 0	241,218 7 0	..	..	241,218 7 0	241,218 7 0	
4. Loch Garry	..	20,294 4 4	20,294 4 4	8,003 11 8	..	12,290 12 8	12,290 12 8	
Totals, Loan Liability ..	..	**368,328 12 9**	368,328 12 9	11,923 2 9	..	356,405 10 0	356,405 10 0	**368,328 12 9**
Carried forward ..								**24,038,028 6 7**

LOAN CAPITAL LIABILITY—*continued.*

Name of District.	Loan Liability.			Allotted to District.	Capital Expenditure Borne by the State Account.			Net Loan Capital Liability at 30th June, 1949.
	Headworks.	Distributary Works.	Total.		Headworks.	Distributary Works.	Total.	
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Brought forward ..								24,038,028 6 7
I.—DRAINAGE DISTRICTS.								
EXPENDITURE IN RESPECT TO ACQUISITION OF LAND FOR DRAINAGE WORKS. CONSTRUCTION CARRIED OUT FROM UNEMPLOYMENT RELIEF LOAN FUNDS.								
1. Cohuna	..	675 19 7	675 19 7	..	..	675 19 7	675 19 7	
2. Kerang East	..	116 0 2	116 0 2	..	..	116 0 2	116 0 2	
3. Maffra–Sale	..	215 3 2	215 3 2	..	..	215 3 2	215 3 2	
4. Merbein	..	267 17 9	267 17 9	..	..	267 17 9	267 17 9	
5. Red Cliffs	..	143 0 1	143 0 1	..	..	143 0 1	143 0 1	
6. Rochester	..	997 16 8	997 16 8	..	..	997 16 8	997 16 8	
7. Rodney	..	1,311 0 1	1,311 0 1	..	..	1,311 0 1	1,311 0 1	
8. Shepparton	..	674 15 1	674 15 1	..	..	674 15 1	674 15 1	
9. Tongala–Stanhope ..	..	767 10 3	767 10 3	..	..	767 10 3	767 10 3	
10. Werribee	..	13 2 2	13 2 2	..	..	13 2 2	13 2 2	
11. Woorinen	..	15 17 0	15 17 0	..	..	15 17 0	15 17 0	
Totals, Loan Liability ..	..	**5,198 2 0**	5,198 2 0	..	..	5,198 2 0	5,198 2 0	**5,198 2 0**
Totals, Commission's Districts (Statements D, E, F, G, H, and I.)	**10,367,669 5 9**	**11,107,880 8 8**	**21,475,549 14 5**	**3,786,395 6 11**	**9,759,644 12 10**	**7,929,509 14 8**	**17,689,154 7 6**	

WORKS UNDER GENERAL SUPERVISION OF COMMISSION.

J.—WATERWORKS TRUSTS AND LOCAL GOVERNING BODIES.

	£ s. d.	£ s. d.	
Waterworks Trusts and First Mildura Irrigation Trust	1,391.836 14 9		
Local Governing Bodies for Construction of Mallee Tanks	748 14 0		
Local Governing Bodies for Construction of Other Waterworks	558,132 16 6		
Total Loan Liability on which Interest is payable by Trusts and Local Bodies	..	1,950,718 5 3	
Amounts Written Off (Acts Nos. 1625, 1651, 2016, 4002, 4175, 4176), and Free Grants to Local Authorities, Borne by the State. (For details see Annual Report for Year 1938/39.)	..	1,243,361 15 8	**3,194,080 0 11**
Grand Total Net Loan Capital Liability (Exclusive of Equity in National Debt Sinking Fund) ..		..	**27,237,306 9 6**

SUMMARY STATEMENT OF LOAN LIABILITY AS AT 30th JUNE, 1940.

Reference to Preceding Statements.	Works.	Total Loan Capital Expenditure.	Deduct Redemption Paid.	Net Loan Capital Liability.	At Debit of Authorities and Borne by Districts.	Capital Expenditure Borne by the State.
		£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
A	Free Headworks	1,226,831 14 8	490 18 0	1,226,340 16 8	..	1,226,340 16 8
B	Capital Works and Charges not Apportionable to Districts	1,664,731 8 1	323,395 10 7	1,341,335 17 6	36,483 8 1	1,304,852 9 5
C	Headworks Costs in respect of Irrigation and Water Supply Districts and Waterworks Districts	10,442,655 4 3	74,985 18 6	10,367,669 5 9	608,024 12 11	9,759,644 12 10
D	Irrigation and Water Supply Districts, exclusive of Headworks Costs ..	5,678,852 9 3	84,108 11 6	5,594,743 17 9	1,713,820 12 1	3,880,923 5 8
E	Urban Divisions of Irrigation Districts	63,437 14 4	1,391 2 8	62,046 11 8	38,706 12 8	23,339 19 0
F	Waterworks Districts, exclusive of Headworks Costs	2,766,323 6 11	45,421 13 7	2,720,901 13 4	561,228 10 11	2,159,673 2 5
G	Urban Districts of Waterworks Districts, exclusive of Headworks Costs	2,386,325 11 1	29,663 19 11	2,356,661 11 2	852,691 15 7	1,503,969 15 7
H	Flood Protection Districts	374,415 4 4	6,086 11 7	368,328 12 9	11,923 2 9	356,405 10 0
I	Drainage Districts	5,198 2 0	..	5,198 2 0	..	5,198 2 0
J	Waterworks Trusts and Local Governing Bodies	3,844,980 12 7	650,900 11 8	3,194,080 0 11	1,950,718 5 3	1,243,361 15 8
		28,453,751 7 6	1,216,444 18 0	27,237,306 9 6	5,773,597 0 3	21,463,709 9 3
	Deduct National Debt Sinking Fund not credited to Districts and Works		1,648,172 18 5			
	Less Redemption paid by Districts, Waterworks Trusts &c. and credited by Treasury to Revenue		252,782 10 3	1,395,390 8 2		
	Net Loan Liability of State for Works of Country Water Supply .. .. .. (Exclusive of £200,000 cash in hand held by Treasury)		..	**25,841,916 1 4**		

STATEMENT OF REVENUE SETTING OUT ARREARS AS AT 1ST JULY, 1939, AND AS AT 30TH JUNE, 1940, RESPECTIVELY.

—	Total.	General Rate.		Irrigation Charge.		Drainage Rate.		Flood Protection Charge.		Sales of Water.	Meter Rent.	Miscellaneous.
		Rate.	Interest.	Charge.	Interest.	Rate.	Interest.	Charge.	Interest.			
1	2	3	4	5	6	7	8	9	10	11	12	13
	£	£	£	£	£	£	£	£	£	£	£	£
Arrears at 1st July, 1939 ..	**748,567**	349,257	82,877	193,779	29,892	11,203	454	15,571	3,458	55,818	837	5,421
Assessments, 1939–40	**498,791**	272,513	..	200,654	..	17,308	..	8,316	..	..	..	..
Additional Water Sales, Meter Rents and Interest Charges to 30th June, 1940	**144,372**	..	16,257	..	8,034	..	741	..	796	89,042	3,846	25,656
Total Amount Collectable 1939–40	**1,391,730**	621,770	99,134	394,433	37,926	28,511	1,195	23,887	4,254	144,860	4,683	31,077
Deduct—												
(i) Revenue Collected 1939–40	**615,277**	269,005	6,529	197,072	5,715	13,372	187	8,210	341	87,908	3,638	23,300
(ii) Credits Absorbed ..	**6,514**	260	2	5,083	..	27	..	1	..	185	258	698
Balance	**769,939**	352,505	92,603	192,278	32,211	15,112	1,008	15,676	3,913	56,767	787	7,079
Add Amounts Overpaid ..	**1,761**	303	4	140	..	305	1	6	..	148	11	843
Total = Gross Arrears at 30th June, 1940 ..	**771,700**	352,808	92,607	192,418	32,211	15,417	1,009	15,682	3,913	56,915	798	7,922
Deduct Amounts recommended for Writing Off, 1939–40 ..	**110,688**	45,943	31,946	13,181	11,017	1,166	34	1,277	601	3,858	4	1,661
Net Arrears as at 30th June, 1940	**661,012**	306,865	60,661	179,237	21,194	14,251	975	14,405	3,312	53,057	794	6,261

This Statement is subject to Audit and minor adjustments.

ESTIMATES 1940–41.

PROPOSED DISBURSEMENTS.

	Estimated Requirements.	Amount provided in Budget.
	£	£
Coliban Works	6,653	6,008
Free Headworks	4,386	4,386
Irrigation Districts	89,187	88,187
Waterworks Districts	140,881	132,526
Flood Protection Districts	4,546	4,546
Drainage Districts	10,198	10,198
Administration*	194,356	187,024
General Expenditure*	34,625	34,625
River Murray Works—Contribution by State	12,500	12,500
	497,332	480,000

* To be apportioned over the above Districts.

ESTIMATED RECEIPTS.

	£
Coliban Works	46,000
Waterworks Districts	224,000
Irrigation Districts	284,000
Flood Protection and Drainage Districts	23,000
Other	18,000
	595,000
Estimated amount available to meet Interest on basis of Budget provision ..	115,000
Add estimated Revenues from Other Authorities—	
Waterworks Trusts 60,300	
Local Bodies 24,000	
	84,300
Total Estimated amount available from Revenues of all Authorities to meet Interest	199,300

Dated at the Office of the State Rivers and Water Supply Commission, Treasury Gardens, Melbourne, the day of November, 1940.

L. R. EAST, Chairman.

W. A. ROBERTSON, Commissioner.

H. HANSLOW, Commissioner.

L. DUGGAN, Secretary.

11722/40.—6

APPENDIX A.

SCHEDULE OF UNEMPLOYMENT RELIEF GRANTS TO 30TH JUNE, 1940.

Since the commencement of Relief Works in 1930, a total amount of £3,079,168 has been made available to this Commission from Unemployment Relief Funds for expenditure on works providing employment in country districts. Of this amount, £166,035 was allocated prior to the constitution of the Employment Council in July, 1932. Details are as follow :—

SCHEDULE OF GRANTS, 1ST JUNE, 1930, TO 11TH JULY, 1932.

Locality.	Works.	Grant.	
	HEADWORKS.	£	£
Goulburn Main Channels	East Goulburn	6,000	
	West Goulburn	5,000	
	East and West Goulburn	5,100	
Mornington Peninsula	Lysterfield Reservoir	12,400	
Campaspe River	Eppalock Weir	6,000	
Wimmera Mallee	Lake Lonsdale Reservoir	5,000	
			39,500
	IRRIGATION DISTRICTS.		
Maffra–Sale	Channel Lining	15,000	
Bacchus Marsh	Channel Lining	19,000	
Cohuna	Channel Construction..	5,665	
Kerang	Channel Construction	4,575	
Tragowel Plains	Channel Construction	2,260	
			46,500
	WATERWORKS DISTRICTS.		
Coliban	Channel Lining	20,000	
Millewa	Channel Lining	10,000	
Northern Mallee	Channel Construction	14,000	
	Ironclad Catchments	5,000	
Bellarine Peninsula	Town Supplies	10,000	
			59,000
	FLOOD PROTECTION DISTRICTS.		
Kooweerup	Drains	15,000	
Carrum	Drains and Banks	2,000	
			17,000
	MISCELLANEOUS.		
Canned Fruits	Shepparton—Processing	4,035	
			4,035
	Total of Grants from 1.6.30 to 11.7.32	..	**166,035**

SCHEDULE OF GRANTS, 12TH JULY, 1932, TO 30TH JUNE, 1940.

Locality.	Works.		Grant.	
	HEADWORKS.		£	£
Wimmera–Mallee	Lake Lonsdale—Increased Storage ..	1932–33	2,500	
	Mt. Zero Channel and Basin ..	1932–33	6,000	
	Fyans Lake—Tree planting	1932–33	350	
	Longerenong Weir	1933–34	700	
	Moora Reservoir—Construction ..	1934–35	4,750	
	Pine Lake, Taylors Lake, &c. ..	1936–37	5,000	
	Waranga Western Channel Floodways..	1939–40	3,500	
				22,800
Loddon River	Laanecoorie Weir	1933–34	1,250	
	Serpentine Weir—Reconstruction ..	1935–36	800	
				2,050
Goulburn River	Goulburn – Waranga Channel—Re-conditioning	1934–35	5,000	
				5,000
Campaspe River	Eppalock Weir	1932–33	4,500	
				4,500
Werribee River	Melton Dam—Raising	1934–35	3,500	
	Raising Diversion Weir	1938–39	6,500	
				10,000
Kerang North-West Lakes	Main Channels, Swan Hill and Kerang	1932–33	14,500	
	Main Channels, Kerang and Kerang North-West Lakes	1933–34	10,350	
	Tutchewop Channel	1934–35	3,000	
				27,850
Pykes Creek Reservoir	Lining Tunnel	1937–39	8,500	
				8,500
	Total (Headworks)		..	**80,700**

SCHEDULE OF GRANTS 12TH JULY, 1932, TO 30TH JUNE, 1940—*continued.*

Locality.	Works.		Grant.	
	IRRIGATION DISTRICTS—WATER SUPPLY.		£	£
Bacchus Marsh	Channel Lining	1932–35	31,350	
				31,350
Werribee	Channel Lining	1932–35	38,700	
				38,700
Mystic Park and Tresco	Channels (also £2,000 for Tresco drains, q.v.)	1933–34	2,500	
				2,500
Red Cliffs and Merbein	Channel Construction, Red Cliffs and Merbein	1932–35	15,000	
				15,000
Maffra–Sale	Channel Construction	1932–34	7,850	
	Riverslea Extension	1938–39	7,000	
	Riverslea Extension	1939–40	3,000	
				17,850
Rodney	Channel Construction	1932–33	7,000	
				7,000
Cohuna	Channel Cleaning	1932–33	300	
	Channel Siphon	1933–34	1,000	
	Channel Construction	1933–34	1,500	
				2,800
Deakin	Channel Construction	1934–35	2,405	
				2,405
Nyah	Channel Lining	1934–35	540	
				540
Swan Hill	Channel Lining, Woorinen	1935–36	650	
				650
Shepparton	Channel Construction—Bunbartha ..	1938–39	1,500	
				1,500
Murray Valley	Channel Construction	1938–39	35,000	
				35,000
Koondrook	Channels	1938–39	1,000	
	Channels	1939–40	600	
				1,600
	Total (Irrigation Supply Works) ..			**156,895**
	IRRIGATION DISTRICTS—DRAINAGE.			
Maffra-Sale	Drainage	1933–39	30,300	
	Drainage	1939–40	2,500	
				32,800
Cohuna	Drainage, Leitchville and Cohuna ..	1932–37	30,500	
	Drainage, Cohuna	1937–39	25,000	
	Drainage, Cohuna and Leitchville ..	1937–38	5,000	
	Drainage, Cohuna and Leitchville ..	1939–40	11,000	
				71,500
	Barr Creek, Enlargement	1932–37	24,280	
				24,280
Swan Hill	Drainage, Woorinen, and Swan Hill ..	1933–36	10,095	
	Drainage, Woorinen	1937–39	30,000	
	Drainage, Woorinen	1939–40	19,000	
				59,095
Rodney	Drainage	1933–39	73,455	
	Drainage	1939–40	10,500	
				83,955
Deakin	Drainage	1934–35	5,060	
				5,060
Tongala–Stanhope	Drainage	1932–36	69,500	
	Drainage	1939–40	7,500	
				77,000
Nyah	Drainage	1933–38	6,300	
				6,300
Shepparton	Drainage	1932–39	78,575	
	Drainage	1939–40	9,000	
				87,575
	Carried forward			447,565

APPENDIX A—*continued.*

SCHEDULE OF GRANTS 12TH JULY, 1932, TO 30TH JUNE, 1940—*continued.*

Locality.	Works.		Grant.	
	IRRIGATION DISTRICTS—DRAINAGE—*continued.*		£	£
	Brought forward			447,565
Werribee	Drainage	1933–37	3,750	
				3,750
Bacchus Marsh	Drainage	1936–37	1,250	
				1,250
Mildura	Subsurface Drainage	1934–38	208,541	
				208,541
Red Cliffs and Merbein	Subsurface Drainage, Red Cliffs, Merbein, and Mildura—Surveys, &c. ..	1933–34	10,000	
	Red Cliffs and Merbein Subsurface Drainage	1933–37	234,653	
	Merbein, Subsurface Drainage ..	1937–38	12,000	
				256,653
Tragowel Plains	Drainage	1933–39	22,000	
	Drainage	1939–40	3,000	
				25,000
Rochester	Drainage	1933–39	71,420	
	Drainage	1939–40	5,500	
				76,920
Kerang	Drainage, Kerang East	1934–36	77,436	
				77,436
Tresco	Drainage, see under Water Supply, £2,000 for drainage out of £4,500 ..	1933–34	2,000	
	Drainage	1937–39	6,000	
	Drainage	1939–40	1,000	
				9,000
	Total (Irrigation Drainage Works) ..			**1,106,115**
	WATERWORKS DISTRICTS.			
Wimmera-Mallee	Channel Construction	1932–33	15,000	
	Tanks and Bores	1932–33	3,000	
	Mt. Zero Channel Construction ..	1932–33	9,000	
	Channels and tanks	1932–33	1,250	
	Channels—Sand Drift	1933–39	134,000	
	Channels—Sand Drift	1939–40	10,000	
	Enlargement and Lining of Channels	1936–37	6,000	
	Urban Storages	1936–37	4,500	
	Mallee Towns—Improvement ..	1937–39	24,000	
	Donald East Channel	1937–38	780	
	Pimpinio High Lands	1937–38	8,400	
	Murtoa—Channel Construction ..	1938–39	1,000	
	Taylors Lake Outlet Channel ..	1938–39	19,000	
				235,930
Millewa	Outlets, Clay Lining Channels ..	1932–33	4,000	
				4,000
Coreena	Clay Lining Channels	1932–33	800	
				800
Yelta	Watering	1933–34	500	
				500
Long Lake	Channel Construction	1934–35	1,230	
				1,230
Tyrrell West	Ironclad Catchments, Baring North and Patchewollock	1933–34	3,500	
				3,500
Tyrrell West	Road Construction, Patchewollock North	1933–34	300	
				300
Loddon United	Serpentine Weir	1933–34	765	
				765
	Total (Rural Works)			**247,025**

APPENDIX A—*continued.*

SCHEDULE OF GRANTS 12TH JULY, 1932, TO 30TH JUNE, 1940—*continued.*

Locality.	Works.		Grant.	
	WATERWORKS DISTRICTS—URBAN.		£	£
Newstead	Channel Construction	1932–33	2,000	
				2,000
Walpeup	Water Tower	1933–34	1,250	
				1,250
Nyah	Reticulation Improvements	1933–34	1,000	
				1,000
Koondrook	Reticulation Improvements	1935–36	230	
				230
Leitchville	Storage and Reticulation	1935–36	1,000	
				1,000
Lake Boga	Improved Supply	1935–36	1,500	
				1,500
Jeparit	Reticulation Improvements	1935–36	2,500	
				2,500
Rainbow	Reticulation Improvements	1935–36	500	
				500
Mornington Peninsula	Channel (Dromana–Sorrento) ..	1932–33	10,000	
	Lysterfield Reservoir	1932–33	7,800	
	Service Basin, Garfield ..	1932–33	2,300	
	Cranbourne–Bittern Channel	1932–33	9,000	
	Beaching Mornington Reservoir ..	1932–33	2,080	
	Enlargement of Mornington Reservoir	1933–34	3,200	
	Lysterfield Reservoir, Raising ..	1934–35	4,000	
				38,380
Dromana–Sorrento Extension ..	Instalment of £55,000	1935–36	5,000	
	Instalment of £55,000	1937–38	25,000	
	Instalment of £55,000	1939–40	15,000	
				45,000
Bellarine Peninsula	Urban Supplies	1932–35	29,050	
	Barwon River Tunnel	1938–39	7,500	
	Barwon River Tunnel	1939–40	4,000	
				40,550
Western District Scheme	Instalment of £93,700	1935–37	62,750	
	Instalment of £93,700	1937–38	30,950	
				93,700
Coliban	Channel Lining	1932–36	96,468	
	River Diversion (Ashbourne) ..	1934–35	7,950	
	Eaglehawk Main	1935–36	12,000	
	Bendigo and Castlemaine Reticulation Improvements and Channel Lining (1st and 2nd Instalments, £200,000)	1936–38	132,000	
	(3rd and 4th Instalments, £200,000)	1938–39	57,000	
	(5th Instalment, £200,000)	1939–40	6,000	
	Malmsbury Reservoir—Enlargement ..	1937–39	31,500	
	Malmsbury Reservoir—Enlargement ..	1939–40	5,000	
	New Storages	1937–38	15,000	
	Bendigo Emergency Supply	1938–39	25,000	
	Lauriston Reservoir	1938–39	60,000	
	Lauriston Reservoir	1939–40	127,000	
	Minor Storages	1939–40	2,500	
	Upper Coliban Reservoir	1939–40	1,000	
				578,418
Wimmera–Mallee	Various Urban Systems	1939–40	5,000	
				5,000
	Total (Urban Works)			**811,028**
	FLOOD PROTECTION.			
Kooweerup and Cardinia	Drains and Levees	1932–33	22,000	
	Drains and Levees .. .. .. (Includes £25,000 from Commonwealth)	1934–35	65,000	
	Cardinia Outfall	1936–39	20,000	
	Yallock Outfall	1936–38	15,000	
	Yallock Outfall	1939–40	13,000	
	Flood Relief	1937–38	2,000	
				137,000
Lake Meering	Levees	1933–34	790	
				790
	Carried forward			137,790

APPENDIX A—*continued.*

SCHEDULE OF GRANTS 12TH JULY, 1932, TO 30TH JUNE, 1940—*continued.*

Locality.	Works.		Grant.	
	FLOOD PROTECTION—*continued.*		£	£
	Brought forward			137,790
Various Districts	1934 Flood Damage—Repairs ..	1933–34	20,000	
	1939 Flood Damage—Repairs ..	1938–39	5,000	
				25,000
Carrum	Eastern Contour Drain	1932–33	8,000	
	Drains and Levees	1933–36	17,450	
	Pillars Bridge—Flooding	1936–37	2,000	
	Flood Relief	1937–38	4,500	
				31,950
Swan Hill and Kerang	Pental Island	1932–33	170	
	Little Murray Levees, Fish Point ..	1933–34	6,430	
	Little Murray Levees, Benjeroop ..	1933–34	7,500	
	Murray River Levees, Swan Hill ..	1935–38	7,000	
	Murray River Levees	1937–38	3,000	
	Loddon River Levees	1937–38	3,000	
				27,100
Dandenong	Levee Bank, Stud Road	1934–35	700	
				700
Rodney and Tongala	Flood Repairs	1939–40	400	
				400
	Total (Flood Protection Works) ..			**222,940**
	RIVER IMPROVEMENTS.		£	£
Mitchell River	Snagging—Bairnsdale	1932–33	350	
				350
Goulburn River	Cribwork—Acheron Breakaway ..	1932–34	1,000	
				1,000
Rivers Generally	Snagging—			
	Avoca, West Barwon, Broken, Fitzroy, Gellibrand, Goulburn, King, Kiewa, Latrobe, Loddon, Macalister, Mitchell, Ovens, Powlett, Rubicon, Snowy, Tambo, Tarra, Tarwin, Thomson, and Yarra Rivers; Gunbower and Woori Yallock Creeks	1934–37	46,500	
		1937–38	5,000	
		1938–39	9,000	
				60,500
Snowy River, Orbost	Improvements	1933–39	27,580	
	Improvements	1939–40	1,000	
				28,580
Latrobe River	Improvements	1936–39	37,000	
				37,000
Avon River	Improvements	1939–40	1,000	
				1,000
	Total (River Improvements)		..	**128,430**
	GENERAL.			
Districts Generally	Noxious Weeds—Destruction ..	1936–37	1,000	
				1,000
	Reconditioning Works	1934–39	125,000	
	Reconditioning Works	1939–40	25,000	
				150,000
	Total (General)			**151,000**
	Total of Grants from 12.7.32 to 30.6.40 ..			**£2,913,133**
	GRAND TOTAL OF GRANTS FROM 1.6.30 TO 30.6.40			**£3,079,168**

NOTE.—The total expenditure of Unemployment Relief Funds as from 1st June, 1930, to 30th June, 1940, was £2,973,161, the total number of men to whom employment was provided being 45,237.

APPENDIX B.

STATE RIVERS AND WATER SUPPLY COMMISSION.

WATER SUPPLY STATISTICS.

1939-40.

SUMMARY RELATING TO WATER SUPPLY IN VICTORIA.

Victoria—Area				**87,884 square miles (56,000,000 acres)**
Rainfall				**10 inches to 80 inches**
	Under 15 inches	18,701 square miles	= 21·3 per cent.	of area of State
	15 inches to 20 inches	13,800 ,, ,,	= 15·7 ,,	,, ,,
	20 ,, 25 ,,	13,551 ,, ,,	= 15·4 ,,	,, ,,
	25 ,, 30 ,,	14,528 ,, ,,	= 16·5 ,,	,, ,,
	30 ,, 40 ,,	15,802 ,, ,,	= 18·0 ,,	,, ,,
	40 ,, 50 ,,	6,671 ,, ,,	= 7·6 ,,	,, ,,
	50 ,, 60 ,,	2,660 ,, ,,	= 3·0 ,,	,, ,,
	Over 60 inches	2,171 ,, ,,	= 2·5 ,,	,, ,,
	Total	87,884 ,, ,,		

Expenditure Country Water Supply to 30th June, 1940—(*a*) Borne by the State		**£21,463,709 9 3**
	(*b*) Borne by the Districts	**£5,773,597 0 3**
	Total	**£27,237,306 9 6**

Channels—Length—	
Irrigation Supply	**4,233 miles**
Domestic and Stock Supply	**8,288 miles**
Drainage	**2,054 miles**
Total	**14,575 miles**
Area of lands in Victoria artificially supplied with water for domestic and stock purposes by channels, tanks, and bores	**15,118,000 acres**
This represents over one-quarter of the total area of the State—actually two-fifths of the agricultural lands	
Area commanded by irrigation channels	**2,124,600 acres**
Area Irrigated—1939-40	**517,903 acres**
Area benefited by Flood Protection Works	**160,600 acres**
Storages—	
Present capacity	**1,963,200 acre feet**
Additional storage being provided by works in course of construction	**16,000 acre feet**
Rural Districts administered by Commission—	
Irrigated Districts—Water supplied for cultivation	**30 districts**
Domestic and Stock Districts—Water supplied to fill excavated storage tanks	**32 districts**
Flood Protection Districts	**4 districts**
Waterworks Trusts and Local Governing Bodies supervised by Commission	**135 districts**
Sewerage Authorities supervised by Commission	**38 districts**
Country Towns—Reticulated pipe supplies for domestic use—	
Administered by Commission	**120 towns**
,, ,, Waterworks Trusts	**113 towns**
,, ,, Local Governing Bodies	**16 towns**
Total Population in Country Towns supplied with water	**445,400 persons**

By Authority: H. E. Daw, Government Printer, Melbourne.