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VICTORIA.

STATE RIVERS AND WATER SUPPLY COMMISSION.

THIRTY-SEVENTH
ANNUAL REPORT,
1941-42.

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STATE RIVERS AND WATER SUPPLY COMMISSION.

Treasury Gardens,
Melbourne, C.2,
16th December, 1942.

ANNUAL REPORT, 1941-42.

In compliance with the provisions of the *Water Act* 1928, the State Rivers and Water Supply Commission has the honour to present to Parliament the following Report and Statement for the Financial Year 1941-42, and Estimates for the ensuing year.

L. R. EAST, Chairman.
M.C.E., M.Inst.C.E., M.Am.Soc.C.E., M.I.E., Aust.

W. A. ROBERTSON, Commissioner.
M.C.E., M.Inst. C.E., M.I.E., Aust.

H. HANSLOW, Commissioner.

L. DUGGAN.
Secretary.

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ANNUAL REPORT

OF

THE STATE RIVERS AND WATER SUPPLY COMMISSION

FOR

YEAR ENDED 30TH JUNE, 1942.

PART I.—SUMMARY OF REPORT.

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1. The State Rivers and Water Supply Commission was constituted on 1st May, 1906, under the provisions of the Water Act 1905.	
2. This Report covers the period 1st July, 1941, to 30th June, 1942.	
3. Several Acts affecting the administration of water supply activities were passed by Parliament during the year	7
4. Construction of works of water supply, drainage and sewerage for military camps and establishments was continued by the Commission on behalf of the Commonwealth Government	9
5. In addition to the design and construction of works the Commission's contribution to the War Effort has involved the release of a large number of its staff as well as many items of plant for undertakings of an important nature	11 and 22
6. A competition for the best effort to control sand drift and a number of competitions for irrigated crops and fodder conservation were conducted	10
7. The Commission is of the opinion that a Central Authority should be constituted to obviate the present multiplicity of Authorities in Victoria making land valuations	34
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8. The total net annual valuation of properties within irrigation and water supply and waterworks districts and the urban districts and divisions thereof, including the Coliban System, amounted to £3,616,008, indicating a total capital value of over £72,000,000.	40
9. The total number of rating assessments in the districts supplied with water by the Commission is 77,621 and the numbers of persons dwelling in such districts total 214,271	40
WATER SUPPLY.	
10. The total capacity of water storages controlled by the Commission is 1,975,500 acre feet	Appendix E
11. The total area of lands supplied with water for domestic and stock purposes or for irrigation by channels, tanks, bores and pipe lines was 15,159,400 acres	13
12. The discharge of water of the principal streams during the year was, generally, below the average	31
13. The total area irrigated during the year created a new record of 602,074 acres, the largest area irrigated in one year previously being 596,662 acres in 1940-41	Appendix D
14. The total quantity of water delivered to water users from the Commission's works—excluding Wimmera-Mallee Waterworks System—during 1941-42 was 644,010 acre feet, of which 612,879 acre feet were delivered to lands within constituted districts. The record total delivery of water was 698,121 acre feet in 1940-41	Appendix C
15. The Murray Valley Irrigation District was extended to include new lands served by additional channel works. Approximately 200 miles of channels have been constructed in the District to date, but this work has now been suspended and the workmen transferred to urgent defence works	15-16
16. Particulars are shown of the quantities of water pumped for irrigation purposes during the waterings in the Red Cliffs, Merbein and Nyah Districts in the 1941-42 season	14-15
17. The Parliamentary Public Works Committee has submitted to the Government its report and recommendations as to the practicability of providing for the storage of additional quantities of water to meet the requirements of the Eacchus Marsh and Werribee Irrigation Districts	8
18. Additional questions referred to the Parliamentary Public Works Committee by the Governor in Council were as to the practicability and desirability of (1) providing for the irrigation of lands in the Nambrok and Denison areas from the Thomson River or from other sources, and (2) constructing a storage reservoir and any other works to conserve the flow of the Avoca River	8-9
19. Soil surveys in the Shepparton and Murray Valley Districts have been further advanced and an investigation is being made as to the causes of citrus defoliation in Kerang and Swan Hill Districts	10

TOWN SUPPLIES.

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20. Further improvements have been carried out to the Commission's water supply systems in the Coliban, Mornington Peninsula and other districts throughout the year	17-20
21. Special reference is made to the seasonal variations in the storage reservoirs of the Coliban System and to the periods of water restrictions in the District	17
22. In Otway District ample supplies of water were available to meet the requirements of the Urban Districts, and the City of Warrnambool was supplied with 219,815,000 gallons. The reticulation of Allansford Urban District was completed and extensions were made to the systems at Camperdown and Cobden	19
23. The new tunnel on the Barwon River enabling additional water to be obtained from the western branch of that river for the supply of the Bellarine Peninsula District operated satisfactorily during the year	19
24. Water supplies to the Geelong Waterworks and Sewerage Trust's area from the Commission's Bellarine Peninsula System are steadily increasing, the quantity so supplied during 1941-42 being 720,971,000 gallons	19
25. Beneficial results have been derived by the Commission from the establishment of its meter testing depot at Murtoa	20

DOMESTIC AND STOCK SUPPLIES.

26. The man power problem in the country has been acute, particularly in the Mallee, and, as a consequence, the commencement and progress of the 1942 watering of the Wimmera-Mallee Districts were delayed	20
27. Sand drift is still causing much trouble in these districts, the expense of the necessary cleaning of water supply channels in the financial year 1941-42 being £78,048 and in the 1941 watering year £87,497.	21
28. On account of sand drift, water was not run in sections of some channels in Mallee Districts	20
29. The present provision being considered inadequate, the Commission has recommended to the Government that legislation be enacted to empower it to prohibit following within 3 chains of a water supply channel. This provision would assist in preventing the filling up of channels with drift sand	21
30. For the supply of the Wimmera-Mallee Waterworks Districts 38,058 acre feet of water were released from Wimmera Headworks and 22,315 acre feet were delivered through the Waranga Western channel	Appendix B

PUMPING.

31. The completion of the electrification scheme between the Red Cliffs and Merbein pumping plants is awaiting delivery of a turbo-alternator from overseas	21
32. Some of the boilers at the Red Cliffs Pumping Station which have been in regular service since 1921-22 are to be reconditioned and others replaced	21
33. The new pumping plant for the Nyah Irrigation District came into operation during the year and functioned very satisfactorily	22
34. The shortage of fuel—firewood, coal, and briquettes—for pumping stations is causing the Commission much concern	22

MAIN STORAGES.

35. The Lauriston Reservoir was completed and officially opened and filled with water to the present full supply level on 25th October, 1941	23
36. To release man power and materials for war activities, work has been discontinued at the Rocklands Reservoir on the Glenelg River and its outlet channels	24

INVESTIGATIONS.

37. Some further progress has been made with the investigation of the Water Resources of Victoria, particularly the Loddon, Avoca, Campaspe, Goulburn and Werribee Rivers	26-27
38. In connexion with the possible enlargement of the Eildon Reservoir, opportunity was taken of a visit to Victoria by Dr. J. L. Savage, Chief Designing Engineer, Bureau of Reclamation, United States of America, to obtain from him a report on the Commission's proposals	26-27
39. Engineering Research has been continued at the Commission's laboratory at 420 William-street, Melbourne	32-33

WATERWORKS TRUSTS.

40. Only urgent works of a special nature have been carried out during the year by the 117 Waterworks Trusts and 17 Local Governing Bodies under the supervision of the Commission	28
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DRAINAGE AND FLOOD PROTECTION.

41. Extensions were made to some drainage systems in irrigated areas during the year, but work on new projects at Dingee and Tresco had to be deferred on account of the lack of funds	28-29
42. The Nyah Drainage District was constituted to embrace the lands which will be benefited by the drainage scheme. Owing to war conditions construction work on this proposal has had to be suspended	12 and 15
43. Proposals for the drainage of certain areas in the Murrabit section of the Koondrook Irrigation District have been approved	29
44. Progress has been made with the construction of further flood protection works in the Cardinia and Kooweerup Districts	29

SEWERAGE.

	Page
45. There are now 38 Sewerage Authorities in country centres and schemes are in operation in 27 Sewerage Districts	30
46. At the direction of the Commonwealth Government construction work on new sewerage schemes ceased in March, 1942, resulting in the partial operation only of certain systems and the non-completion of other schemes which were in hand	30

RIVER IMPROVEMENT WORKS.

47. The shortage of labour in the country resulted in fewer applications being made for assistance from the Rivers and Streams Fund. Only 44 grants totalling £5,000 were allotted during the year, making the total, since the inception of the Fund in 1930, 628 grants aggregating £93,340.	30
48. An experimental station to obtain run-off data from natural and improved forest and from grass land has been established in the catchment of the Teddington Reservoir near St. Arnaud	30

FINANCE.

49. The total receipts for water rates and charges for the financial year 1941-42 amounted to a record of £693,519, the previous highest collection being £615,277 in 1939-40	42
50. The net Loan Liability of the State for works of water supply and drainage at 30th June, 1942, was £27,919,190, exclusive of equity in National Debt Sinking Fund	77
51. Of the net Loan Liability at 30th June, 1942, £1,962,368 is charged to Waterworks Trusts and other Local Governing Bodies, £4,122,506 is debited to districts directly controlled by the Commission, £64,303 is debited to the Plant and Machinery Account, and the balance £21,770,013 is borne by the State	43
52. The total Interest Charges for 1941-42, including £116,872 exchange on overseas payment on this liability, amounted to £1,236,624	48 and 49
53. Waterworks Trusts and Local Governing Bodies paid to the Treasury as interest on loans the sum of £88,499	48
54. In addition, interest amounting to £157,973 in respect of Districts and Divisions under its control was met by the Commission	43
55. In 102 districts, the capital liability of which has been adjusted, the operations for the year resulted in a net surplus of £73,825 after providing for interest, redemption, and depreciation	45
56. A loss of £82,931 was incurred in operating 45 districts to which the supply was continued by direction of the Governor in Council. This amount was debited to the "Revenue Expenditure Chargeable to the State Account"	46
57. The net cost of services of a national character and other miscellaneous charges not debited to districts was £48,596	48
58. The net cost to the State for Interest and Exchange, loss on districts supplied by direction of Governor in Council and services not directly chargeable to water-users was £1,096,421. Comment is made and this figure analysed	47 and 48
59. A sum of £5,026 was paid from Consolidated Revenue for Administration and General Expenditure Charges in connexion with Unemployment Relief Loan Works not directly chargeable to water-users	50
60. The total expenditure during the year on water distribution, maintenance of water supply and drainage works, administration, and War damage Insurance, &c. was £511,994 of which £509,109 was provided from Vote Funds, £2,500 from Special Appropriations, and £385 from Unemployment Relief (Taxation) Funds	48
61. An amount of £11,245 was expended on war precautions under the provisions of the National Security Act 1939, No. 4645, inclusive of £8,400 War Damage Insurance	48
62. Further water supply and sewerage works have been constructed for a number of Military and Internment camps. The expenditure (£171,925) incurred during the year on this work was met from Commonwealth Funds	43
63. The value of stores and equipment held in the Stores Suspense Account as at 30th June, 1942, was £97,256	44
64. The value of movable Plant and Machinery held in the Plant and Machinery Account as at 30th June, 1942, was £64,303	44
65. A statement is included showing the details of the Water Supply Works Depreciation Account, and the amounts at credit of the Water Supply Works Depreciation Fund, and Water Supply Plant and Machinery Depreciation Fund respectively	64-66
66. A sum of £47,678 was paid into Consolidated Revenue in respect of depreciation payments by Commission's Districts for the year 1941-42	64-66
67. The amount at credit of Water Supply Plant and Machinery Depreciation Fund as at 30th June, 1942, was £17,159	66
68. The arrears of water rates and charges outstanding at 30th June, 1942, was £602,877	63
69. The amount included in the Budget Estimate for 1942-43 for Vote Expenditure on works and services under the control of the Commission is £623,516. This amount is less by £34,958 than the Commission's estimated requirements	79
70. A total amount of £3,266,574 has been made available to the Commission from Unemployment Relief Funds since 1st June, 1930. Of this amount £3,230,585 was expended at 30th June, 1942. The total number of men to whom employment has been provided is 47,757	Appendix A

PART II.—GENERAL.

OUTLINE OF REPORT.

This Report covers the period 1st July, 1941, to 30th June, 1942, and contains a general outline of the activities of the Commission and its operations throughout the year.

Statements are inserted setting out the names of districts supplied with water ; the annual value of the lands and tenements and the numbers of persons dwelling in these districts ; the water rates, irrigation charges and drainage and flood protection rates levied ; the areas of lands under irrigated culture within the State ; the quantities of water delivered to districts during the year ; and the capacities of the various water storages. Financial particulars relating to the Commission's Works and Districts to 30th June, 1942, and Estimates of Revenue and Expenditure for the year 1942-43 are also published.

Reference is made to new legislation affecting the administration of water supply activities ; also to the difficulties arising from the shortage of fuel for the Commission's main pumping stations, particularly at Red Cliffs and Nyah ; and to the works carried out by the Commission, on behalf of the Commonwealth Government, for the water supply, drainage and sewerage of military camps and establishments.

In addition, it is pointed out in the Report that, in order to release man power and materials for war activities, it has been necessary to suspend practically all of the construction works in hand by the Commission, including the channel reticulation of further areas of the new Murray Valley District, the preliminary operations for the Rocklands Reservoir on the Glenelg River and its outlet channels, and the placing of additional material on the embankment of the Hume Reservoir.

As far as the limited staff and facilities available would permit, progress has been made with the comprehensive investigation of the water resources of Victoria. In this connexion, several reports have been prepared by the Commission and submitted to the Parliamentary Public Works Committee in relation to developmental projects which had been referred to it by the Government for investigation. Opportunity was taken of a visit to Victoria by Dr. J. L. Savage, Chief Designing Engineer, Bureau of Reclamation, United States of America, to have him report on the Commission's proposals for the enlargement of Eildon Reservoir.

The man-power problem also resulted in water not being run in several channels in the Mallee Districts, where drift sand in the channels is continuing to cause considerable trouble. The Commission has recommended that it be empowered to prohibit fallowing of land within three chains of a water supply channel in order to reduce the drift of soil.

LEGISLATION.

In the 1941 Session of Parliament several Acts affecting the Commission's administration were passed, the most important being the following, viz :—

Water Act 1941, No. 4837.—Under the amendments of water supply legislation made by this Act the Commission is empowered (1) to conduct irrigated farm competitions and award prizes of water for irrigation, and (2) to apportion extra water rights for the irrigation of lands under intense culture whether or not they are commanded by gravitation with water.

Another important provision under this amending Act empowers the Commission, on application in writing of the owner of land or tenements concerned, to apply the provisions of *Water Act 1940, No. 4740*, to any arrears as at 30th June, 1940, of payments in respect of water sold by the Commission and delivered to any such land or tenement, thereby making such charges for water sales a charge on the land and payable in instalments as part of the consolidated arrears of rates and charges.

Water Supply Loans and Application Act 1941, No. 4838.—This Act authorized the raising of £589,000 for irrigation works and water supply works and for drainage and flood protection works in country districts and for works under the River Murray Waters Acts, and sanctioned the issue and application of the money so raised and of other money available for such purposes under Loan Acts or in the State Loans Repayment Fund ; and for other purposes.

Other Acts passed during the year in which the Commission is concerned comprised the **Mildura Irrigation and Water Trusts (Land) Act No. 4802**, the **Workers' Compensation (Amendment) Act No. 4814**, the **State Development Act No. 4875**, and the **Farmers Protection Act No. 4877**.

INQUIRIES AND REPORTS.

PARLIAMENTARY PUBLIC WORKS COMMITTEE'S INQUIRIES.

Little River—Water Supply.

Reference was made in last year's Report to the question of the construction of a storage reservoir to conserve the flow of the Little River in the vicinity of the Little River Township to improve water supplies for domestic and stock and irrigation purposes to lands along the stream.

The proposed construction of the storage reservoir, as recommended by the Parliamentary Public Works Committee, has been approved by the Government, but, in view of the present emergency conditions, it was decided that the question of carrying out the work must be deferred.

Snowy River—Drainage and Flooding Problems.

Another matter referred to and reported upon by the Parliamentary Public Works Committee was the advisability and cost of further works for the alleviation of flooding in the Snowy River area. The terms of reference and the Committee's recommendations were set out in the last Report. As then indicated an amendment of the *Snowy River Works Act 1938*, No. 4548, would be necessary before the Commission could carry out the additional works recommended.

The form of the proposed legislation has been drafted and is now under consideration.

Bacchus Marsh and Werribee Irrigation Districts—Additional Storages.

As mentioned also in the 1940-41 Report the question as to "*the practicability and desirability of providing for the storage of additional quantities of water to safeguard the water users of the Bacchus Marsh and Werribee Irrigation and Water Supply Districts against serious deficiencies in supply during drought periods*" was referred to the Parliamentary Public Works Committee for inquiry and report.

This problem is a most difficult one and, after a comprehensive investigation, the Committee reported that—

"The estimated costs of the construction of storages, at sites investigated in the Bacchus Marsh and Werribee catchments, were so heavy compared with construction costs in other parts of Victoria that the provision of additional storage to supply these districts could not be justified on economic grounds."

The Committee did, however, recommend—

- (1) The completion of the lining of the tunnel (through which water is diverted into the Pykes Creek Reservoir from the Werribee River near Ballan) downstream of chainage 50 chains and protection and incidental works on the channel leading from the tunnel to Pykes Creek Reservoir.
- (2) Further investigations should be undertaken by the State Rivers and Water Supply Commission to determine whether the capacity of Pykes Creek Reservoir could be safely enlarged to hold an additional 3,000 acre feet.
- (3) The carrying out of research work by the State Rivers and Water Supply Commission to ascertain the practicability of reducing the water losses between storages and the farms of irrigators, and also the possibility of improving the efficiency in the methods of measuring water deliveries.
- (4) A policy of regulation of water supplies should be implemented.
- (5) The State should promote fodder conservation schemes as a general provision to alleviate distress during drought periods in any part of the State.
- (6) Consideration should be given to creating a State Drought Insurance or Reserve Fund.

This Report and the recommendations are now under consideration by the Government.

Nambrok and Denison Areas—Irrigation Supply.

The question as to "*the desirability and practicability of providing for the irrigation of lands in the Nambrok and Denison areas from the Thomson River or from other sources*," was, during the year, referred by the Governor in Council to the Parliamentary Public Works Committee for inquiry and report.

The Commission prepared and submitted to the Committee a First Progress Report on the utilization of the waters of the Thomson River and the irrigation of lands in the Nambrok and Denison areas, and the Committee, after consideration of this report and inspection of the areas, is continuing its investigations.

Avoca River—Water Resources.

The Governor in Council has also referred to the Parliamentary Public Works Committee for inquiry and report the question as to "*the desirability and practicability of constructing a storage reservoir and any other necessary works to conserve the flow of the Avoca River to improve water supplies for domestic and stock and irrigation purposes to lands along that stream.*"

A First Progress Report on this question, indicating the possibility of a site for a large storage reservoir on the Avoca River at Gowar, has been prepared and submitted by the Commission to the Committee, which is proceeding with its inquiry.

SPECIAL INVESTIGATIONS AND REPORTS.

The most important investigations and reports made by the Commission during the year were in connexion with inquiries into several water supply questions by the Parliamentary Public Works Committee and with further matters relating to the investigation of the water resources of Victoria. Reference to these is made under other sections of this Report.

Other items which may be referred to under this section are as follow.

COMMONWEALTH DEFENCE WORKS.

Since the outbreak of war the Commission has completed or has put in hand, on behalf and at the cost of the Commonwealth Government, more than sixty separate undertakings, the estimated total cost being £512,000 of which £456,598 had been expended as at 30th June, 1942.

The works have been mainly in connexion with the installation of water supply, drainage and sewerage systems for camps and other military establishments although other works outside this sphere but of a specialized defence nature have been carried out by the Commission.

Volumes comprising brief descriptions of the bases of design and construction of the larger completed works, with notes on their operation and maintenance together with complete sets of record plans, have been compiled by the Commission and forwarded to the Defence Department.

RIVER MURRAY WATERS—DISTRIBUTION.

The question as to the apportionment of Victoria's total allocation of 1,000,000 acre feet of water per annum discharged from the Hume Reservoir at Albury is still under consideration by the Commission.

It had been proposed to apportion extra water rights in accordance with the provisions of Section 61, *Water Act* 1928, No. 3801, to irrigated lands within Districts—with the exception of Kerang District—already supplied from the Torrumbarry System, as from the 1st July, 1942.

Many applications for extra water rights had been made by the landholders concerned, but, in view of the labour position and of other circumstances arising out of the war, the Commission has given the landholders an opportunity of amending their applications and has, therefore, deferred for twelve months the question of increasing water rights to lands in these Districts.

LODDON UNITED WATERWORKS TRUST—ADMINISTRATION AND CONTROL.

In the 1940-41 Report reference was made to the proposed enactment of legislation to provide for the abolition of the Loddon United Waterworks Trust and for the re-constitution of the lands in the Trust District as Waterworks Districts under the direct control and management of the Commission.

The matter is still under consideration.

IRRIGATION DEVELOPMENT.

1941-42 Season.

Notwithstanding the fact that the rainfall over the Irrigation Districts for the year 1941-42 was not appreciably below the average, there was again an increase in the area irrigated throughout the State, a new record being reached in the total of 602,074 acres. This was partly accounted for by the extension of the Murray Valley District but there were also marked increases in the other districts devoted to mixed farming; particularly was this the case in respect to the extent of irrigated pasture, the average area of which has increased from 150,000 acres to over 350,000 acres in the past ten years. The actual areas and the nature of the crops irrigated in each district will be found in Appendix D. of this Report.

Competitions—Field Days.

The Hanslow Cup Competition for the "Best Effort to Control Soil Drift on a Mallee Farm" (the inauguration of which was noted in the last Report) was again conducted this year. The generosity of a number of firms and authorities enabled cash prizes to be given for sectional competitions in the Mallee Shires. The report of the competition has been published and copies have been distributed through the Mallee Districts.

In conjunction with the local Agricultural and Herd Testing Societies, competitions for "The Farm with the Most Efficient Use and Control of Water" and the "Best areas of Lucerne, Pasture and Summer Fodder" were conducted in the Dingee, Tragowel Plains and Rochester Districts.

Fodder Conservation Competitions were also held by the local Agricultural Societies in the Boort, Kerang and Cohuna Districts.

Soil Surveys and Investigations.

The Soil Survey of the Shepparton District mentioned in the last Report has been continued in conjunction with the Department of Agriculture.

Land Classification Maps of the Soil Survey of the Murray Valley Irrigation District were printed and are now available to irrigators at the Commission's district office. This work was carried out in conjunction with the Council for Scientific and Industrial Research and the Department of Agriculture.

Officers of the Commission are also co-operating with the Department of Agriculture in an investigation into the causes of Citrus Defoliation in the Kerang and Swan Hill Districts.

The practical application of the methods of reclamation of salt-affected soils outlined in the Bulletin of the Soil Survey of the Kerang District was investigated by officers of the Commission and a set of conditions combining the best practices was drawn up for the guidance of irrigators in the use of the extra water made available for this purpose.

District Advisory Boards.

During the year these Boards functioned in all but two Irrigation Districts and also in the Cardinia Flood Protection District. The Commission appreciates the assistance given by the Boards in the administration of the various Districts.

Appeal Boards—Land Classification in Irrigation Districts.

During the year, Boards appointed under Section 10, *Water Act* 1937, No. 4513, heard and determined appeals in the following districts—Cohuna, Tongala-Stanhope, Rochester and Murray Valley.

Production.

The harvesting and drying of the dried fruit crops were delayed through labour difficulties and early rains which made it necessary to finish in the dehydrator a larger proportion of fruit than usual. The total harvested, however, was 55,160 tons as compared with last year's production of 46,744 tons and with the average over the past five years of 48,977 tons.

The pack of canned fruits was also affected by shortage of labour in the orchards and the canneries and was considerably lower than the previous season, the Australian pack, of which the greatest proportion is produced in Victoria, being 2,125,042 cases as compared with 2,732,701 cases in 1941.

During the year a number of butter factories have added annexes for the manufacture of cheese in order to increase supplies to Great Britain. Figures are not available for the total production from grazing—dairying and sheep raising and fattening—but it would appear that the slight reduction in the number of cows would be balanced by the increased return per cow.

In the Standard Herd Tests the State Championship was won by Messrs. T. H. Noble and Sons of Maffra who irrigate land in the Maffra District. The herd average of 590 lbs., including allowances, was a record for the State for a herd of over twenty-five cows.

Irrigation Education.

The Commission has co-operated during the year with teachers and committees of schools in country centres in imparting to scholars information regarding irrigation practices.

Experimental plots are being conducted by local committees at many schools and a limited quantity of water for irrigation is being made available by the Commission, free of charge.

ADMINISTRATION.

STAFF.

The Commission records, with deep regret, the death during the year of Mr. J. Martin, who held the position of District Officer at Birchip.

Mr. G. L. Williams, many years District Officer at Frankston, having passed the statutory age, has retired; Mr. R. L. Plummer, Inspector, Wonthaggi District, had to retire on account of ill health; and Mr. G. F. Young, Assistant District Officer at Kerang, and Mr. J. A. P. Ham, Rate Collector (part-time) at Frankston have resigned.

To meet the special circumstances brought about by the war, Mr. I. B. Hughes, District Engineer, Maffra Centre, was appointed to act at Head Office as Co-ordinator of Emergency Services in connexion with the Commission's activities, in addition to his duties as District Engineer.

The services of many of the Commission's officers have been made available to Commonwealth Departments to assist in the war effort. Senior officers so released during the year included Mr. L. N. Welch, Assistant Divisional Engineer, and Mr. C. L. Sanders, Executive Engineer, to the Department of the Interior, and Mr. L. J. Falconer, Officer in Charge of Mechanized Accounting and Costing Branch, and Mr. H. R. Gray, Assistant Estates Officer, to the Department of the Navy.

Following a request by the Deputy Director-General of Man Power (Victoria) arrangements were made for the release of Commission's Officers Messrs. H. F. Byham (District Engineer, Shepparton), J. D. Wallis (District Officer, Swan Hill), and W. B. Murphy (Revenue Officer, Kerang) to act as National Service Officers at Shepparton, Swan Hill and Kerang respectively under the National Security (Man Power) Regulations.

At the outbreak of hostilities in 1939 there were 333 professional and clerical officers on the Commission's staff. Of these, no fewer than 117 were serving with the Armed Forces at 30th June, 1942,—41 with commissioned rank—and 22 officers were on loan to Commonwealth Departments engaged on war activities.

The following transfers of officers were made during the year:—

Mr. R. I. Walsh, A.M.I.E. Aust., from Bacchus Marsh to Swan Hill as Acting District Engineer and Secretary; Mr. R. T. Squire, from Head Office to Bacchus Marsh as Relieving District Officer; Mr. B. W. Scharp, B.C.E., A.M.I.E. Aust., from construction work to act as District Engineer, Mornington Peninsula District; and Mr. F. J. Cooke, from Gunbower to act as District Officer and Secretary at Cohuna. Mr. A. J. Grant, Surveyor, is acting as District Officer at Shepparton.

HOUSING.

The Commission's Housing Branch supervises the maintenance of 240 staff houses and 26 District Offices, and, in addition, arranges with the Public Works Department for the erection of new buildings required for the Commission's use.

During the year, under the supervision of the Public Works Department, the erection of eleven houses was commenced and completed (ten for Water Bailiffs and one for a District Officer) and one house was commenced but not completed. In addition, a District Office, in brick, was put in hand and erected at Frankston.

Under the supervision of the Housing Branch, major repairs and renovations were effected to seven houses and three District Offices, as well as minor repairs and replacements to 140 other residences.

In accordance with plans prepared by the Public Works Department, the Commission has practically completed the erection of the necessary stores at Frankston for use as a depot for the Mornington Peninsula System.

DISTRICT EXTENSIONS AND EXCISIONS.

Murray Valley Irrigation District was extended to include an area of 27,320 acres commanded by irrigation channels recently completed.

Cohuna and Leitchville Irrigation Districts were united and are now known as the Cohuna Irrigation District.

Swan Hill Irrigation District and the Wimmera United, Wycheproof, Long Lake and Normanville Waterworks Districts were extended to include lands supplied from the Commission's works.

Cohuna and Red Cliffs Urban Divisions and the Nyah, Ouyen, Pyramid Hill and Spring Vale Urban Districts were extended to include lands served by extensions of the respective reticulations systems.

Mornington Urban District was extended to include the Mount Martha Urban District.

The boundaries of North Shepparton Irrigation District and the Waitchie and Ultima Urban Districts were adjusted to conform with allotment boundaries.

Carrum, Cohuna, Maffra-Sale, Rodney and Shepparton Drainage Districts were extended to include lands benefited by the Commission's respective drainage works.

Certain lands not benefited by the Commission's works were excised from the Maffra-Sale and Shepparton Irrigation Districts, the Tyntynder Waterworks District, the Kanyapella Flood Protection District, and the Kerang East Drainage District.

NEW DISTRICTS.

Nyah Drainage District was constituted to embrace that portion of the Nyah Irrigation District benefited by the recently completed drainage scheme.

An area of 6,685 acres, benefited by a system of drainage channels within the Koondrook Irrigation District, is to be constituted the Murrabit Drainage District as on and from 1st October, 1942.

PART III.

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.

The major items of importance regarding the Commission's operations, during the year 1941-42, are shown in the following pages :—

WATER SUPPLY.

In Victoria, the total area of lands supplied with water for domestic and stock purposes or for irrigation, excluding the metropolitan areas, amounted to 15,159,400 acres.

Good rainfalls over most of the State during July, 1941, delayed the demand for irrigation supplies until late in August, at which time the major storages, including Victoria's half share of Hume Reservoir, contained 1,478,165 acre feet of water against the total capacity of 1,840,460 acre feet. There was no difficulty in meeting domestic and stock requirements throughout the State as well as all the needs of water users in irrigation districts.

During the year, a total of 573,115 acre feet of water, including 46,579 acre feet by pumping for Red Cliffs, Merbein, Nyah and Tresco Districts, was delivered from the Commission's channels to landholders in irrigation districts, and 31,131 acre feet were supplied to lands outside the boundaries of the Commission's Districts, making a total delivery for irrigation of 604,246 acre feet. This quantity was less than that delivered during the record season of 1940-41, when irrigation deliveries totalled 659,284 acre feet of water. The landholders in the irrigation districts and areas also received 22,586 acre feet of water for domestic and stock purposes, while the high level waterworks districts of Millewa, Coreena, Carwarp, and Yelta, involving pumping from the River Murray, received 17,178 acre feet also for domestic and stock requirements. The total quantity of water delivered in all these districts in 1941-42 was 644,010 acre feet as compared with 698,121 acre feet in previous year.

The volume of water released from Waranga Reservoir amounted to 618,274 acre feet. Of this quantity 248,789 acre feet were delivered to irrigators, and 13,743 acre feet were passed on to the Wimmera-Mallee Waterworks Districts at the Loddon Weir, indicating that about 43 per cent. of the total volume released from the storage was delivered throughout the system.

To supply the Wimmera-Mallee Waterworks Districts 38,058 acre feet of water were released from the Wimmera-Mallee headworks in the vicinity of the Grampians, and a supplementary supply of 22,315 acre feet was received from the Goulburn, Loddon, and Avoca Rivers through the Waranga-Mallee Channel during the winter months.

Returns of water delivered to individual districts for irrigation and other purposes and of water released from headworks for the supply of Wimmera-Mallee Waterworks Districts for the year 1941-42 are included as Appendices to this Report.

Water storages contained 957,790 acre feet of water on 1st July, 1941, and, at the termination of the irrigation season on 16th May, 1942, the volume remaining in all storages amounted to 891,215 acre feet, which quantity was increased to 1,671,380 acre feet on 30th June, 1942.

IRRIGATION SUPPLIES.

GOULBURN DISTRICTS.

These districts generally had a satisfactory year with excellent returns from butter fat and fruit crops. Some areas are showing the effect of labour shortage, but, on the whole, production from the districts is being kept at a high standard.

In the Shepparton Centre there was a marked increase in the area devoted to the growth of market garden products, chiefly beans, peas and tomatoes.

Despite the war conditions many properties were subdivided, and the necessary water supply and drainage works were carried out with funds provided by the subdividers.

Maintenance works usually carried out after the close of the irrigation season have been seriously curtailed on account of the shortage of labour, and it has been necessary to concentrate on only those works essential for the supply of water to all districts.

LODDON AND TORRUMBARRY DISTRICTS.

The Cohuna and Leitchville Irrigation and Water Supply Districts were amalgamated to form one District known as Cohuna Irrigation and Water Supply District as from 1st July, 1941.

Remodelling of the worst sections of old channel systems in the Loddon and Torrumbarry Districts was further continued during the year, a length of 30 miles being so treated in the Mystic Park, Koondrook, Cohuna, and Tragowel Plains Districts.

Extensive use was again made by irrigators of the dragline excavators made available on hire by the Commission. By this means a total length of 30 miles of private irrigation channels was improved. This work, added to operations of this nature carried out previously, is having a beneficial effect on water distribution, not only in the irrigators' own channels, but in increasing the efficiency of the Commission's channel system generally.

A further ten meter outlets, six regulators and six culverts were installed to replace old structures. In addition, several wooden meter outlets were replaced by concrete structures.

Repairs were effected to numerous channel works, and weed cutting with a narrow steel saw was carried out along several miles of channel.

Further installations rendered necessary by private subdivisions of properties have been constructed in the Swan Hill District at the cost of the subdividers.

RED CLIFFS AND MERBEIN DISTRICTS.

The season under review proved very favorable for the production of dried fruits, but the citrus crop was below the average. Although the late spring and summer were dry, the year's rainfall was from one inch to one and a half inches above the average and no damaging frosts were experienced.

An almost record crop of 33,718 tons of dried fruits was harvested, compared with 29,060 tons in 1940-41, 34,000 tons in 1939-40 (record), and 26,700 tons in 1938-39.

Special features were connected with the waterings during the past season. On account of the shortage of labour fruit growers were forced to prolong the picking season, and, at the request of the Red Cliffs and Merbein Districts Advisory Boards, the Commission agreed to assist in the matter by extending the period of the fourth (pre-harvest) watering, thus retarding the maturation of the fruit. Another feature was the necessity, as a war emergency, to reduce the consumption of fuel (coal and briquettes) at the Red Cliffs pumping station, and it was therefore arranged that only one post-harvest watering (in two pumping periods) be given for dried fruit vines with two post-harvest waterings for citrus, late varieties of grapes, and vegetables. Supplies were not provided for green manure crops.

Five general irrigations were given in the six pumping periods, some 67,509 acre feet of water being pumped to provide the supply, compared with 77,700 acre feet for six general irrigations last year in drought conditions, and 69,000 acre feet for six general irrigations in the previous year (1939-40).

Particulars in relation to the irrigations given during the past year are as follow :—

Watering.	Period.	Total Quantity of Water Pumped in Acre Feet.	Area Watered in Acres.	Depth of Water Pumped per Acre Irrigated in Inches.
<i>Red Cliffs District.</i>				
First	18.8.41- 22.8.41 } 1.9.41- 27.9.41 }	7,414	10,702	8.3
Second	29.10.41- 4.11.41 } 10.11.41- 4.12.41 }	7,863	10,944	8.6
Third	8.12.41- 11.1.42	9,471	11,220	10.1
Fourth	12.1.42- 17.2.42	9,769	12,377	9.5
Fifth	19.3.42- 30.3.42	1,855	1,736	12.8
Sixth	22.4.42- 2.5.42 } 6.5.42- 10.5.42 }	3,289	3,949	9.9
Totals	1941-42	39,661	50,928	9.4
<i>Merbein District.</i>				
First	20.8.41- 22.8.41 } 10.9.41- 4.10.41 }	5,484	7,197	9.1
Second	10.11.41- 4.12.41	5,327	7,734	8.3
Third	14.12.41- 8.1.42	5,991	7,716	9.3
Fourth	12.1.42- 12.2.42	6,721	8,788	9.3
Fifth	19.3.42- 9.4.42	3,372	4,545	8.9
Sixth	27 and 28.4.42 } 1 and 2.5.42 } 6- 12.5.42 }	953	1,176	9.7
Totals	1941-42	27,848	37,156	9.0

Note—Quantities for Fourth Waterings include "Run through" at end of waterings.

The distributary channel systems and the sub-surface drainage installations were maintained in reasonable condition and minor structural improvements were effected.

For the fourth season some 70 acres of pasture plots were irrigated under sales conditions in the Carwarp District, 1,641 acre feet being supplied for the purpose. Meter wheels are being installed for the measurement of water to these areas during the 1942-43 season.

NYAH DISTRICT.

A favorable season was experienced, the production of dried fruits reaching the record total of 3,352 tons compared with 2,670 tons last year.

Six waterings periods were provided, necessitating the pumping of 10,196 acre feet compared with 11,498 acre feet and 9,810 acre feet in 1940-41 and 1939-40 respectively.

Particulars in relation to the irrigations given during the past year are as follow :—

Watering.	Period.	Total Quantity of Water Pumped in Acre Feet.	Area Watered in Acres.	Depth of Water Pumped per Acre Irrigated in Inches.
First	4.9.41- 26.9.41	1,830	2,950	7.5
Second	8.11.41-26.11.41	1,713	2,792	7.3
Third	10.12.41- 1.1.42	1,920	2,973	7.7
Fourth	8.1.42- 31.1.42	1,908	2,973	7.7
Fifth	5.2.42- 21.2.42	1,259	2,158	7.0
Sixth	16.4.42- 7.5.42	1,566	2,700	7.0
Totals	1941-42	10,196	16,546	7.4

Owing to war conditions the construction of the sub-surface drainage system was suspended. However, main and lateral drains totalling 3 miles 70 chains in length have been laid, and these will provide direct relief to 37 holdings and will indirectly give an improved outlet to a considerable area which must depend on open drains until the sub-surface system can be extended.

The distributary irrigation channels were maintained in reasonable condition and some improvements including repairs to concrete structures have been put in hand. Maintenance to a limited extent was carried out to open drainage channels.

MURRAY VALLEY DISTRICT.

As a result of the completion of further sections of the channel works to serve this new irrigation area, the gross extent of the District was increased during the year from 65,010 acres to 92,330 acres with a consequent increase of the water right commitment from 13,986 acre feet to 18,882 acre feet.

Channel works were advanced sufficiently to enable water to be supplied to most of the Naringaningalook area at the commencement of the 1941-42 irrigation season, and all works in this area were completed before the end of the year 1941.

Work proceeded rapidly on the large Strathmerton Main Channel, and irrigation supplies were available during the 1941-42 season to lands supplied in No. 2 area to chainage 14 miles 37 chains, the tentative terminus of this channel. Most of the earthworks in Nos. 2 and 5 Systems have now been completed to the western boundary of the Parish of Yarroweyah, but, owing to the necessity of transferring men to defence works, progress on structures was limited to the completion of those in hand. However, an appreciable area of land on Nos. 2 and 5 Systems south of the Yarroweyah-Cobram railway line will be commanded by water during the forthcoming irrigation season.

During the latter part of the year, all earthworks on channel construction in this District were suspended, and all available men were transferred to urgent defence works in other parts of the State.

Landholders have made full use of the Commission's staff for guidance in the proper layout of lands to be brought under irrigated culture. During the year, approximately 500 acres were planted to fruit. In addition, a number of properties were purchased privately for fruit growing, but the planting has had to be deferred on account of conditions brought about by the war.

Areas being sown to lucerne and pastures are increasing but, here again, the war conditions are hindering the more rapid development under irrigation. The shortage of labour, fencing material and manure is seriously affecting the progress of the district.

The soil survey put in hand through the co-operation of the Commonwealth Council for Scientific and Industrial Research, the Department of Agriculture and the Commission has been completed in respect of the area now reticulated, and soil plans are available for seven parishes in the eastern section of the Murray Valley scheme.

General maintenance works have been carried out on the completed channels, particular attention being given to the control of cumbungi weed growth along the Yarrawonga Main Canal. Scours on the banks of the Main Canal are a serious problem, and, while many of the deeper ones have been filled in, there is still a large number which require treatment. It is proposed to control the drainage along the tops of the banks to prevent these scours developing.

Trouble has been experienced also with what may be termed "drift hole" leaks, which have developed inside the Main Canal and outflowed to the surface of adjoining lands. Affected sections are now being pugged with a carefully prepared mixture of clay and sand, and it is expected that this will overcome the difficulty.

During the year three new houses have been completed for water bailiffs and all of the bailiffs' quarters have been connected to the public telephone.

In the whole Murray Valley Channel System, approximately 200 miles have been completed to date of main and spur channels, involving the excavation of over 4,000,000 cubic yards of earth, and the erection of bridges, regulators, culverts, checks, siphons and numerous other structures, all of steel and reinforced concrete design, in which 5,362 tons of cement and 830 tons of steel have been used.

The estimated total cost of the whole system is £900,000, and the expenditure to date has been approximately £565,000, including £35,000 from Unemployment Relief Funds. The numbers of men employed varied from 212 at the commencement to 18 at the close of the year.

BACCHUS MARSH AND WERRIBEE DISTRICTS.

In Bacchus Marsh District, protective works against erosion have been carried out on the Lerderderg River and Pyrete Creek to prevent loss of several of the Commission's structures and channels.

In the Werribee District some difficulty was experienced in meeting the irrigation requirements of the market gardeners and general irrigators, and in order to overcome this the Commission, with the concurrence of the District Advisory Board, introduced a roster rotation system of water delivery. While this new system gave general satisfaction an endeavour will be made to effect further improvements during the coming season.

Reconditioning of concrete lined channels was continued throughout the year and 100 feet of box section were constructed over the main sewer at Werribee.

Blanket weed has given considerable trouble in both districts. This is a particularly troublesome weed as it grows prolifically on the concrete lined channels in the hot weather during the period of peak demand for irrigation supplies and reduces the carrying capacity of the channels to a marked extent.

There was a further increase of market gardening, particularly in the Werribee District.

MAFFRA-SALE DISTRICT.

This District has had its fifth dry year in succession and the value of irrigation to the district cannot be doubted. Irrigation in the past season commenced on the 4th August, 1941, and the demand for water increased to the end of October, when the peak was reached and this continued until the middle of March, 1942. Irrigation finally ceased early in May, 1942. The total water deliveries amounted to 27,516 acre feet representing 25 per cent. more than the allotted water rights, and this quantity has been exceeded only once, during the record drought of 1938-39. This District receives deliveries on the roster system which is found to work smoothly.

Production generally has been maintained, particularly in the dairying industry. Both milk products factories at Maffra were at full capacity, but sugar beet production has diminished, mainly on account of labour shortage.

Maintenance of channels and drains has been continuous. The weed growth in drains was particularly heavy, necessitating a second cutting during the year.

Seepage from an escarpment adjoining the Thomson River flats at Bundalaguah has caused trouble for some time, and a survey has been carried out to ascertain the possibility of dealing with the position by the construction of a drain to connect up a series of lagoons and provide an outfall into the river.

Two additional houses for water bailiffs were constructed during the year and connected to the public telephone.

GENERAL.

In addition to the Main Systems and Districts before-mentioned, supplies of water were made available for the irrigation of limited areas amounting to 5,302 acres in the Coliban District, and 3,049 acres in the Western Wimmera and Wimmera United Districts.

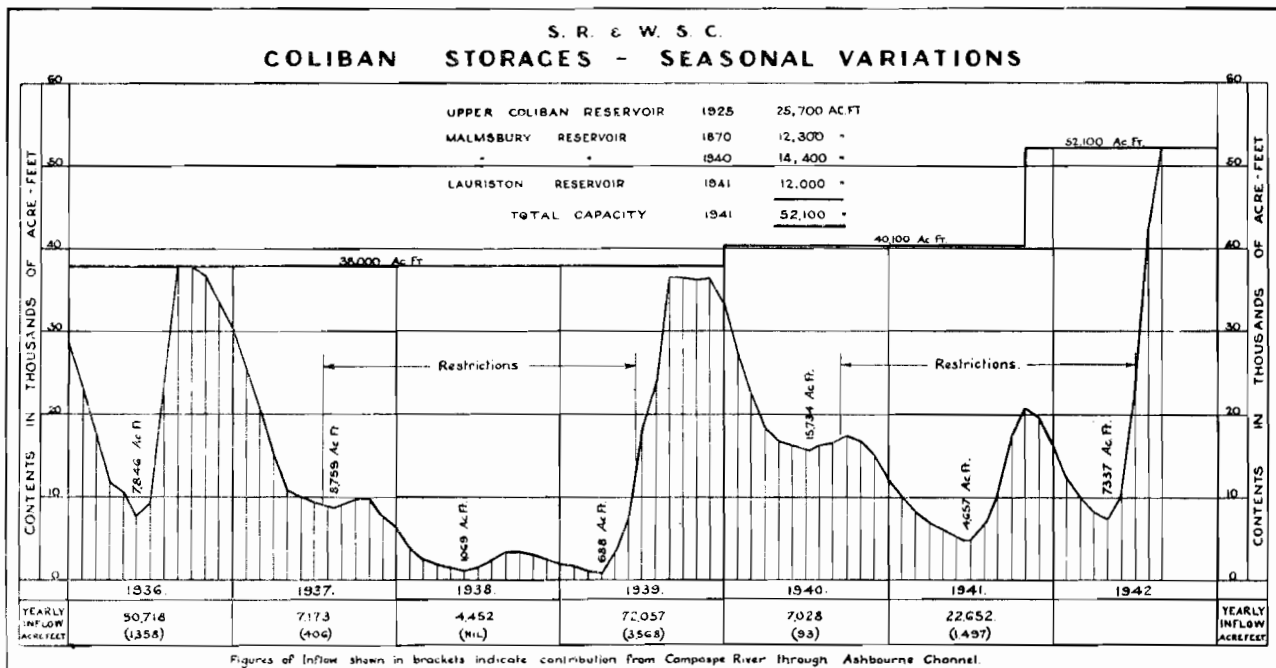
TOWN SUPPLIES.

COLIBAN SYSTEM.

For the six months ended June, 1941, the Coliban area had a rainfall considerably below the average for that period of the year, and, following the abnormally dry year of 1940, when the rainfall was only 60 per cent. of the average, the storages in June, 1941, contained no more than 4,657 acre feet. Conditions improved somewhat as a result of the spring rains of 1941, and the season was commenced with 20,000 acre feet in the main reservoirs, which, with the new Lauriston Reservoir which came into operation early in the year, have a capacity of 52,100 acre feet. As the quantity stored was insufficient to meet the full requirements of a normal year, some restriction of supply to irrigators and other water users was unavoidable.

The water supply catchment of the Coliban System is a very unreliable one, and the many towns and townships and hundreds of irrigators dependent upon it have suffered very severely from drastic water restrictions during drought periods.

The diagram hereunder shows the seasonal variations in these main storages since 1st January, 1936, and the periods in which restrictions of water supplies were necessary.



Prior to the construction of the Lauriston Reservoir and the enlargement of Malmsbury Reservoir the capacity of the main reservoirs was 38,000 acre feet, and they were overflowing at the end of October, 1939.

Owing to the failure of the winter rains in 1940, restrictions on irrigation became necessary by the 13th September, 1940—only eleven months after the reservoirs were overflowing—and irrigation supplies were limited to orchards and market gardens only, except in the case of the small area supplied from the local Spring Gully Reservoir, where some water was supplied for permanent pastures as well.

By the 3rd November, 1940, further restrictions on irrigation were necessary, and, outside the Spring Gully area, supplies were given on a limited basis to orchards only. Later in the season, on the 6th March, 1941, it became necessary to impose restrictions on urban supplies also.

The storages reached their lowest level of 4,657 acre feet on the 13th June, 1941, and if the 1941 winter had been as poor as the 1940 winter, disastrous restrictions would have been necessary throughout the whole system, similar to those of a few years earlier.

The reservoirs did not reach 38,000 acre feet again until July, 1942—two years and nine months after the previous filling.

The Coliban Reservoirs—including Lauriston—now provide for 52,100 acre feet, and it is expected that, owing to very good winter inflow, they will be filled in the spring of 1942.

Records over 50 years, however, show that there will be many years—up to six in succession at times—when the reservoirs will not fill, and even over as long a period as seventeen years, from 1925 to 1941, the average inflow has been only 38,644 acre feet.

The total inflow to the reservoirs in recent severe drought years, including the contribution from the Campaspe River through the Ashbourne channel, has been—

1937	..	..	..	..	..	..	7,173	acre feet.
1938	..	..	..	..	..	..	4,452	.. ..
1940	..	..	..	..	..	..	7,028	.. ..

whereas the normal annual requirements of the towns, mines and established irrigators together with evaporation losses from the reservoirs average 40,000 acre feet.

If there should be, in the future, a repetition of a year as dry as 1937, 1938 or 1940, all reservoirs would be rapidly drawn down in twelve months, and there could be very little irrigation at all throughout the Coliban System for the following season.

Any expansion of irrigation, therefore, obviously increases the risk of failure for all irrigation, and of restrictions on town supplies as well.

Additional improvements in the nature of replacements and enlargements of mains in the reticulation systems of Bendigo, Eaglehawk, Castlemaine, Campbell's Creek, Chewton and Taradale, involving the laying of 405 chains of asbestos-cement pipe, of sizes varying from 9 inches to 3 inches in diameter, and 15 chains of galvanized iron pipe of 1½ inches diameter were carried out during the year at a cost of £3,650.

Further extensions to the pipe reticulation systems of Bendigo and Castlemaine totalling in length 38 chains of 3-inch diameter asbestos-cement pipe, to provide supplies for new residential houses, were approved and installed.

The concrete lined basin of 1,000,000 gallons capacity at Kalimna Point, Castlemaine, was completed and connected to the town reticulation by 18 chains of 12-inch diameter reinforced concrete pipe. The cost of this work was £6,800. Since the basin was put into operation there has been a marked improvement in the supply, and previous large variations in pressure during periods of maximum demand have been noticeably reduced.

Near the township of Elphinstone a length of 130 feet of main channel has been beached with stone and lined with cement concrete, and for an old timber overshoot on this section of channel a reinforced concrete structure has been substituted. In addition, fifteen timber culverts over subsidiary races were replaced either by pipes or rectangular culverts constructed of reinforced concrete.

Owing to the war, practically all new works in progress have been suspended and proposed works deferred, and only those required to assure the continuity of water supplies have been maintained in a reasonably sound condition.

NEWSTEAD DISTRICT.

The failure in early summer of the flow in the Jim Crow Creek was responsible for the local storages at Newstead being very much depleted by the end of February, 1942, and, in order to safeguard domestic water supplies for the town, it was necessary to impose restrictions in March by prohibiting the use of hoses for watering gardens.

MORNINGTON PENINSULA DISTRICT.

The duplication of the 24-inch diameter siphons along the Bunyip Main Race was completed, thereby ensuring an ample supply of water to meet the constantly increasing demands of the district.

An 18-inch diameter pipe-line connecting Beaconsfield Reservoir to the Dandenong Channel at Berwick was laid, and as a result the demand on the Berwick-Cranbourne line has been reduced, and additional supplies are now available for the bayside towns from Frankston to Portsea.

Following the completion of service basins at Sorrento and Portsea an excellent water supply throughout those towns has been provided. In order to permit of an alternative direct supply to the Dromana-Portsea Urban District from the Beaconsfield Reservoir, in case of emergency, a by-pass channel was constructed around the Bittern Reservoir.

Improvements and extensions to the reticulation systems of various urban districts were carried out. A new electric pumping plant installed at Berwick has resulted in a more satisfactory service to that town.

The erection of central offices and storerooms at Davey-street, Frankston, was commenced. The construction of these offices will permit of the more efficient administration of the district.

OTWAY DISTRICT.

Ample supplies of water for the Urban Districts served by the Otway system were available throughout the year.

The quantities of water supplied, by agreement, to the City of Warrnambool since the initiation of this system have been as follow :—

Period.				Gallons.
1.11.39-30.6.40	..	..	..	147,500,000
1.7.40-30.6.41	..	..	..	214,750,000
1.7.41-30.6.42	..	..	..	219,815,000

The reticulation of the Allansford Urban District was completed, and reticulation extensions were carried out at Camperdown and Cobden.

An extension of the Commission's works to supply water to a flax mill at Terang was put in hand and completed at the request of Commonwealth Authorities.

BELLARINE PENINSULA DISTRICT.

The tunnel connecting the East and West Branches of the Barwon River is operating satisfactorily. Although the flows in the two branches of the river were relatively small during the winter of 1941, the additional water obtained from the West Branch through the tunnel enabled the Wurdee Boluc storage reservoir to be filled early in October.

The survey of a possible site for a storage basin on the East Barwon River to conserve the surplus water from both branches was completed.

The main supply for the Geelong area is obtained by the Geelong Waterworks and Sewerage Trust from its own headworks on the Eastern Moorarbool River and Stony Creek. The Trust, however, supplements this supply with water obtained from the Bellarine Peninsula System by agreement with this Commission. The quantities so obtained since the inception of this system have been as follow :—

Period.				Gallons.	Acre Feet.
7.5.29-30.6.30	..	..	..	273,512,000	1004.65
1.7.30-30.6.31	..	..	..	310,077,000	1141.26
1.7.31-30.6.32	..	..	..	251,060,000	922.16
1.7.32-30.6.33	..	..	..	332,703,000	1221.45
1.7.33-30.6.34	..	..	..	385,648,000	1415.93
1.7.34-30.6.35	..	..	..	433,619,000	1592.72
1.7.35-30.6.36	..	..	..	496,789,000	1824.75
1.7.36-30.6.37	..	..	..	584,214,000	2145.88
1.7.37-30.6.38	..	..	..	603,608,000	2217.11
1.7.38-30.6.39	..	..	..	639,626,000	2349.40
1.7.39-30.6.40	..	..	..	580,279,000	2131.43
1.7.40-30.6.41	..	..	..	583,653,000	2143.43
1.7.41-30.6.42	..	..	..	720,971,000	2648.20

As will be seen from the above table the water requirements of Geelong from the Bellarine Peninsula System are steadily increasing, and there is every prospect of further demands for water from the system being made in the near future.

WONTHAGGI DISTRICT.

Water supplies to the State Coal Mine and the towns of Wonthaggi, North Wonthaggi, and Hicksborough were satisfactorily maintained.

Tree planting at Lance Creek Reservoir was continued. A total of 8,000 pine trees has now been planted on the reservoir reserve and they are making good progress.

WIMMERA-MALLEE AND OTHER TOWNS.

In the 37 pipe reticulated towns served by the Wimmera-Mallee Channel System and operated by the Commission, full supplies were maintained during the year. Minor extensions of mains and improvements to the reticulation systems were effected in the townships of Sea Lake, Jeparit, Dimboola, and Ouyen.

Continuous supplies were provided for the requirements of Nyah, Nyah West, Piangil, Werrimull, Meringur, and Carwarp, to all of which water is pumped from the River Murray through adjacent rural districts. At Nyah West a new electric pumping unit was installed.

The Nyah Urban District was extended during the year involving the laying of 30 chains of water main for the supply of the new area.

At Red Cliffs and Merbein the extensions of mains to serve 30 dwellings erected by the Housing Commission were completed and satisfactory supplies to these townships were maintained.

At the meter depot established at Murtoa last year, 401 meters were repaired and tested and 62 meters were converted from inferential to positive type. This work was carried out at a considerable saving compared with the costs incurred prior to the establishment of the depot.

Supplies were maintained in the Commission's Urban Districts and Divisions in the Goulburn, Loddon and Torrumbarry Systems.

In the Murrabit Urban Division four new 500 gallons capacity galvanized corrugated iron tanks were erected to replace existing tanks which had become rusted and ineffective.

Minor repairs were carried out to the reticulation systems at Dingee, Mitiamo, Koondrook, Pyramid Hill, and Lake Boga.

DOMESTIC AND STOCK SUPPLIES.

The greater portion of the areas receiving water for domestic and stock purposes experienced an average season and full supplies were provided throughout the various districts.

WIMMERA-MALLEE SYSTEM.

This system comprises the Western Wimmera, Upper Western Wimmera, Wimmera United, Upper Wimmera United, Karkarooc, Hindmarsh, Birchip, Wycheproof, Long Lake, Sea Lake, Tyrrell, Tyrrell West, and Tyntynder Waterworks Districts, the various centres for administration being Horsham, Murtoa, Hopetoun, Birchip, Nyah West, and Ouyen.

Volumes of water stored in the headworks reservoirs were considerably augmented during the year and sufficient quantities were available to meet all domestic and stock requirements and to enable full supplies to be given to the irrigation areas in the vicinity of Horsham and Murtoa, comprising 1,506 acres of orchards and other forms of intense culture, and 1,543 acres of pastures and fodder crops.

The construction of the Rocklands Reservoir on the Glenelg River to supplement the storages of the Wimmera-Mallee System has been suspended on account of war conditions. Of the main outlet channel from this proposed storage, 16 miles 5 chains had been completed up to the time of the closing down of the works in February, 1942.

In districts generally, particularly the Mallee, the man power problem has been acute and resulted in delay in the commencement and progress of the 1942 watering. Fortunately, the amount of sand drift to be removed from channels will not be as great as in 1941, as more favorable conditions are being experienced. The expenditure on removing sand drift, however, is still much too high, and some general method of drift control on cultivated lands is urgently necessary to alleviate the position.

Water was not run in sections of some channels in the Mallee Districts. The reasons for this were:—(1) That the sections were practically full of drift sand due to irresponsible cultivation of land, (2) that the cost of cleaning would be five or six times the amount of assessable rates on the holdings which would be supplied, and (3) that teams for the necessary cleaning work were unprocurable. If water is to be run in such channels in future, it will be necessary for the landholders concerned, in their own interests, to endeavour to control the drift sand by sowing and maintaining cover crops in their properties, particularly on the areas adjacent to channels. The Water Act at present empowers the Commission to prohibit or regulate the clearing, cultivating or fallowing of land situate within one chain of any channel under its control. The Commission considers, however, that the distance mentioned is

inadequate and, with a view to safeguarding water supplies to Mallee towns and farms, has appealed to farmers not to fallow any area within three chains of a channel where sand drift is likely to occur, and has submitted a recommendation to the Government that the Water Act be amended to enable the Commission to prohibit fallowing within three chains of a water supply channel.

As shown by figures published in the last Annual Report, the average amounts which had to be expended on cleaning sand drift from the Commission's water supply channels of the Wimmera-Mallee System during the thirteen financial years from 1928-29 to 1940-41 inclusive, and in the twelve calendar year waterings from 1929 to 1940 inclusive, were £72,164 and £71,395 respectively. In the financial year 1941-42, the expenditure was £78,048, and in the 1941 watering year, £87,497.

The works for the supply of water to high lands at Gooroc referred to in the last Report were completed, as well as the construction of 8 miles of small distributary channels in the parishes of Towaninny and Doboobetic.

Other operations were confined chiefly to the maintenance and repair of channels, including the remodelling of 15 miles of the Wycheproof-Goschen main channel.

SYSTEMS SUPPLIED FROM RIVER MURRAY.

The annual supply of water was provided for Carwarp and Carwarp Central Districts through channels extended from the Red Cliffs Irrigation System and for Yelta District from the Merbein Irrigation System.

The Coreena District was fully supplied by pumping from the River Murray, which was at a sufficiently high level to make the running of the auxiliary pumping plant unnecessary.

Millewa and Millewa Central Districts, which are supplied through a series of pumps from No. 9 lock, received full supplies and, in addition, grazing lands outside the districts were provided with water under sales conditions.

The quantity of water pumped to these districts at the main pumping station at Cullulleraine for the 1941 watering was 8,304 acre feet.

OTHER DOMESTIC AND STOCK SYSTEMS.

In the Walpeup West District, where water for general purposes is made available from over 100 bores throughout the area, continuous supplies were provided and the equipment of bores was maintained in a reasonably efficient condition.

Usual supplies of water for domestic and stock purposes were given from the channels of the Werribee Waterworks District.

MAIN PUMPING STATIONS.

The main pumping stations operated by the Commission are situated near or on the River Murray to provide water supplies to the important irrigation districts of Red Cliffs, Merbein, Nyah, and Tresco, and the Millewa, Yelta, Carwarp, and Coreena Waterworks Districts. There are, in addition, numerous plants used for pumping water in other Waterworks Districts in the central and western gravitation areas to lands above the normal flow level. Water supplies in many townships also involve pumping.

The final turbo-alternator to complete the electrification scheme between Red Cliffs and Merbein pumping plants, referred to in previous Reports, has not as yet been received from overseas, the delay being caused by precedence of items urgently required for the war. As this plant is to provide a standby unit to meet unforeseen contingencies, its non-arrival has not in any way interfered with the scheme in general. Up to the present, full load conditions have been met by the existing plant which was extended between 1939 and 1941, but, as the main plant is 20 years old, it is essential that the additional turbo-alternator be delivered at an early date so that, in the event of a breakdown of the existing plant, it will be possible to maintain water supplies to the Red Cliffs and Merbein Districts.

At the Red Cliffs Power Station, six of the seven boilers are now in the aged class, having been installed and in regular service since 1921-22. At the end of the 1941-42 season, it was decided to recondition Nos. 1 and 2 boilers at once and to call tenders for the replacement of boilers Nos. 5 and 6 with a view to the ultimate replacement of the old section of the boiler plant. However, on account of war conditions, it is impossible to forecast when these new boilers will be installed. Re-conditioning work is also limited because of the shortage of materials and labour required to undertake the work. In the case of Nos. 1 and 2 boilers

the brick work was renewed, stokers were lowered to increase furnace volume, and tubes were renewed where necessary. It is proposed to similarly recondition two more boilers next year. This work will extend the effective life of these boilers at full steam pressure by several years.

The new plant for the Nyah Irrigation District was completely installed and was brought into operation for the first irrigation of the 1941-42 watering in September, 1941. A most successful season was completed by this plant which exceeded expectations. A very considerable saving was effected in fuel consumption and the irrigation rotation periods were reduced because of the improved discharge of water.

Great difficulty was experienced in obtaining the necessary supplies of firewood for the pumping plants using this class of fuel. The shortage of labour and the ever increasing costs caused a number of the larger private contractors to be unable to fulfil their contracts, and, to meet the position as far as possible, it was necessary to obtain small quantities of firewood under agreements. As a result of the shortage of supplies, the season's pumping was completed only by using up in nearly all cases the reserve stocks carried over from the previous year.

The Red Cliffs Power Station, where the main fuel used is briquettes, was placed under a fuel ration early in 1941 season by the State Coal Committee. Such ration represented 10,500 tons of briquettes and approximately 4,200 tons of black coal in place of the normal quantity of some 16,500 tons of briquettes. The forced consumption of Wonthaggi large black coal during the season represented an increased fuel cost for the year of £1,350. From July, 1941, to May, 1942, this class of coal was increased in price four times, reaching in the total a rise of nearly 37 per cent. The briquette price was stationary throughout the year, but advice has been received that early in the year 1941-42 there will be a rise of 11.1 per cent. All such increases directly affect the cost of water as supplied to the land.

Numerous water supply pumping plants for defence requirements were designed and installed during the year, and many of the Commission's mechanical excavating machines of various sizes were made available and were continuously engaged on defence works.

To meet the position of petrol shortage the Commission, after a survey of its motor transport vehicles, decided to fit gas producer units to those vehicles which were used on heavy transport, and to general maintenance vehicles which were required to run 10,000 miles or more per annum. During the year, nine motor trucks, of from 1 to 3 tons capacity, four utility trucks, and two cars were so fitted, representing 21.7 per cent. of the Commission's vehicles in service. A forward programme has been arranged to install gas producers on all vehicles.

MURRAY WORKS AND MAIN STORAGES.

MURRAY WORKS.

Hume Reservoir.

The placing of additional material on the upstream face of the main embankment was continued and all items of plant functioned satisfactorily during the year. In order to expedite the work, two shifts operated from 1st July, 1941, until 24th November, 1941, after which one shift was worked until 20th April, 1942. Owing to the staff and workmen at the dam being required for urgent defence works, the placing of material has been carried out only intermittently since that date. It having been decided to defer any further work at the dam above R.L. 590' pending consideration of the question of an increase in the capacity of the dam, most of the men and equipment have been released for defence works. During the year 279,000 cubic yards of material were placed, the total to 30th June, 1942, being 597,000 cubic yards.

In the quarry, a further 5,200 feet of well blast holes were bored and the face is ready for immediate blasting when the works re-open.

The full supply level of the reservoir is R.L. 606'. On 30th June, 1942, the level was R.L. 598' 4½", the highest level during the year was R.L. 607' 9" on 28th October, 1941, and the lowest 575' 1" on 3rd May, 1942.

The plantations of trees around the dam were maintained during the year and are in a very satisfactory condition. The loaming of the downstream face of the dam was continued and the grass is now making good progress. All parts of the embankments were carefully maintained.

The average number of men employed during the year was 75.

Yarrowonga Weir.

The grading and sealing of portion of the road across the weir were carried out. The painting and overhauling of the gates and gearing commenced during the previous year were completed. A septic tank was installed at the caretaker's house, and some additional trees were planted. Along the Victorian bank near Yarrowonga township 55 chains of brush protective work to check erosion were placed.

For convenience in regulation, the weir was maintained for the greater part of the year at approximately one foot below full supply level.

Torrumbarry Weir.

During the year, owing to flood conditions, the weir trestles were removed from the river from 10th October, 1941, to 28th October, 1941, and again on 18th June, 1942. Opportunity was taken during their removal to overhaul and paint the trestles, and they are now in a satisfactory condition. The balance of the structure was carefully maintained and some additional trees were planted.

The weir held water to full supply level during the irrigation season.

Mildura Weir and Lock.

The weir remained in position during the year and water was maintained at full supply level. General maintenance was carried out and the structure is in good condition.

MAIN STORAGES.

COLIBAN SYSTEM.

Lauriston Reservoir.

During the year all construction work at the dam was completed with the exception of the steel spillway gates, the installation of which has been deferred owing to the war situation. In the construction of the dam, 27,800 cubic yards of earth and rock were excavated from the foundations, and 32,500 cubic yards of concrete and 22,300 cubic yards of rock and earth were placed.

The storage of water commenced on 21st July, 1941, and the reservoir was officially opened by the Premier, the Hon. A. A. Dunstan, M.L.A. and the Minister of Water Supply, the Hon. F. E. Old, M.L.A., on 25th October, 1941, and the reservoir was filled to the present full supply level (capacity 12,000 acre feet) on that day.

During the year most of the plant and stores were transferred to Rocklands Reservoir near Balmoral and other works, and during September, 1941, an auction sale was held at the dam for the disposal of surplus materials.

The area around the works has been cleared and planted with grasses and trees.

Malmsbury Reservoir.

The reservoir was not filled during the year, the highest level being 14' 10" below full supply level on 9th October, 1941. The spillway gates, valves and embankment were carefully maintained. Electric light was installed along the dam for the lighting of the structure during night operations.

Upper Coliban Reservoir.

General maintenance works and improvement of the area around the dam have been carried out and the dam is in a satisfactory condition. The reservoir was not at full supply level during the year, the highest level being 21' 2" below this level on 30th June, 1942.

Eppalock Reservoir.

The works were carefully maintained during the year. A part-time caretaker has been appointed to carry out maintenance and water regulation.

GOULBURN STORAGES.

Eildon Reservoir.

General maintenance was carried out during the year and the works are in a satisfactory condition. The spillway gates were overhauled and painted. An examination was made of the condition of the main outlet works, and these were found to be generally satisfactory, although some pitting of the needle valves has been noted.

The reservoir was at full supply level on 24th September, 1941, the lowest level reached being 61' 6" below this level on 1st May, 1942. Survey measurements taken regularly during the year indicated that no appreciable movements of the bank had occurred.

Fencing and improvement of the areas around the dam by planting of trees were carried out.

Goulburn Weir.

The works have been carefully maintained. The rectification of the right bank of the river below the structure is being carried out as labour becomes available. The work done to date has improved the flow conditions of the flood waters and removed the tendency of erosion of the left bank of the river and the danger to the National Channel.

The area around the structure has been improved by further planting of trees.

Waranga Reservoir.

The reservoir was at full supply level on 8th October, 1941, and its lowest level was 16' 1" below this level on 2nd May, 1942. Repairs to the upstream facing were carried out as required and the reserve stone heaps along the crest were replenished. A further section of the tramline along the crest was relaid. Experiments on the planting of grass on the downstream face of the bank were continued. Some additional work was done on the inlet structure, and sheds to protect plant were erected. Some further clearing of the area around the bank has been carried out and plantations have been extended.

WIMMERA STORAGES.

These works comprising Wartook Reservoir, Fyans Lake, Lake Lonsdale, Pine Lake, and Taylors Lake have been maintained during the year.

Rocklands Reservoir.

Preliminary work for the construction of the Rocklands Dam was continued during portion of the year. Further large quantities of material, plant and equipment were transferred from Lauriston. The establishment of a camp for the accommodation of approximately 200 workmen, foremen and staff, including 22 houses for the accommodation of families, was completed. Water supply and drainage services to the camp were completed. Workshops were erected and the installation of plant and equipment was continued.

The erection of the power house building and installation of electrical generating equipment were completed. A power line was erected for the supply of electricity to the tunnel works.

Further work was carried out on the construction of the downstream coffer dam.

Buildings were erected and plant installed at the upstream portal of the tunnel. Open cut excavation was completed to the extent necessary for the commencement of tunnelling works, involving the removal of approximately 5,000 cubic yards of earth and rock.

Owing to the diversion of staff and labour to defence works, operations at Rocklands Reservoir were discontinued on 28th February, 1942.

Steps have been taken to preserve the work so far carried out, so that construction can be resumed with as little delay as possible on the cessation of hostilities.

The average number of men employed until the works closed down was 93.

GLENMAGGIE RESERVOIR.

The reservoir was at full supply level on 6th July, 1941, and the lowest level was 19 feet below that level on 2nd May, 1942.

The outlet works and internal drainage system of the dam operated freely during the year. The works have been well maintained.

LAANECORIE RESERVOIR.

The reservoir was at full supply level on 3rd October, 1941, and the lowest level was 13' 4" below that level on 1st May, 1942.

The spillway gates were overhauled and painted where necessary. Some repairs to the bywash were carried out. The condition of the structure is satisfactory. A number of trees has been planted in the area around the dam.

WERRIBEE AND BACCHUS MARSH STORAGES.

Pykes Creek Reservoir.

Some repairs to the upstream facing of the bank were carried out. An examination has been made of the outlet system which requires attention and the matter is being considered by the Commission. The inlet tunnel from the Werribee River requires some further concrete lining. All works have been well maintained during the year.

The highest level of reservoir was 4' 10" below full supply level on 18th October, 1941, the lowest level being 26' 7" below that level on 29th April, 1942.

Further tree planting has been done.

Melton Reservoir.

The reservoir was at full supply level on 7th October, 1941, and the lowest level was 43' 9" below that level on 1st May, 1942.

The spillway gates, outlet valves and bank are all in good condition. Some extensions to the tree plantations have been carried out.

LITTLE MURRAY WEIR AND BENJEROOP WEIR.

At both structures some repairs have been carried out, but further work is necessary to bring the works to a reasonable standard.

GOULBURN MAIN CHANNELS.

Goulburn-Waranga Main Channel.

The channel generally is in excellent condition. A minor leak was discovered during the year but repairs were effected before any damage occurred.

A survey has been made of the channel to ascertain its hydraulic condition and to investigate the question of enlargement. It is of interest that, although the channel has been in operation for 50 years, there is very little evidence of silting throughout its length of 23 miles from the Goulburn Weir to Waranga Reservoir.

Waranga-Western Main Channel.

Only general maintenance and repair work was carried out in this channel during the year. Beaching was placed at points where scour was taking place and several bridges were repaired and painted.

East Goulburn Main Channel.

Minor repairs to the Broken River siphon and spillway on this channel were effected. The question of better facilities for operating the outlet valves is being investigated.

INVESTIGATION AND DESIGN OF NEW IRRIGATION AND WATER SUPPLY PROPOSALS.

This activity during the year comprised the investigation of irrigation and water supply proposals, the preparation of designs of new works, including schemes of water supply, drainage and sewerage for a number of military encampments, and the extension of existing systems.

MURRAY VALLEY IRRIGATION DISTRICT.

Investigation into watering of the various sections of this District has proceeded concurrently with the design of their reticulation systems and subdivision into bailiffs' sections. Surveys of channel extensions and location of necessary structures—meter outlets, drainage subways, regulators, and other installations—for service and efficient working of these areas have also been carried out.

Design work included the preparation of sections and plans of main and spur channels, of combined structures such as a bridge, drop and regulator, and of contracted conduits and flumes for flow measurement.

GLENELG RIVER DEVELOPMENT.

The design of Rocklands Dam and of the Rocklands Outlet Channel and associated structures was advanced; whilst the location survey of the Toolondo Outlet Channel was completed from Toolondo Reservoir to the Burnt Creek Regulator.

WATER RESOURCES OF VICTORIA INVESTIGATION.

Werribee River Basin.

For the Parliamentary Public Works Committee inquiry into Bacchus Marsh and Werribee storages, particulars, including estimates of cost of possible storages on the Lerderderg River and Goodman's Creek, as well as on the Lower Werribee River, were prepared. Proposals for extending the lining of the tunnel diverting water from Werribee River into Pykes Creek Reservoir, and of a possible aqueduct from Melton Reservoir to Werribee Diversion Weir to minimize water losses in the river where used as a carrier channel were also prepared.

Designs were initiated for the installation of a cast iron pressure pipe culvert and sector type outlet gate for a pressure regulating valve at the outer toe of Pykes Creek Dam, similar to that at Melton Reservoir; whilst spillway provisions are being investigated for a flood at the latter storage of similar magnitude to that of January, 1941, when the peak rate of inflow was estimated at 55,700 cusecs.

Loddon River.

Plans, sections and diagrams, to accompany a Third Progress Report on the water resources investigation of this river, have been prepared, dealing more particularly with proposed reservoir sites at Cairn Curran and Baringhup West.

Steel regulator gates proposed to be installed in place of drop bars in the Loddon Weir at Janiember West have been designed, but, owing to war conditions, no tenders were received in response to advertisements and the installation of these gates must be deferred until after the war.

Avoca River.

For a First Progress Report to the Parliamentary Public Works Committee on the utilization of Avoca River waters, topographical, contour and geological plans of this river basin have been prepared, together with hydrographic diagrams showing effect of regulated outflows from the proposed reservoir at Gowar and behaviour of various capacity storages.

Campaspe River.

For the further development of the water resources of this river and the examination of a proposal to build a very large reservoir at Eppalock as an adjunct to the Goulburn Irrigation System, hydrographs of the river with regard to regulated flows and various reservoir capacities are being investigated to ascertain the maximum storage practicable on this river.

Goulburn River.

Eildon Reservoir Enlargement.—During the recent visit to Australia of the eminent American expert on high dams, Dr. J. L. Savage, Chief Designing Engineer of the United States Bureau of Reclamation, the opportunity was taken of consulting him in regard to the practicability of increasing the capacity of the Eildon Reservoir.

This Reservoir, on the Goulburn River above Alexandra, has a capacity of 306,000 acre feet, and is one of the two main storages of the extensive Goulburn Irrigation System supplying water over an area of one and a quarter million acres in Northern Victoria, of which 321,843 acres were irrigated during the year.

Owing to rapid development in this area during recent years, the need for increased storage has become acute, and the Commission has carried out a considerable amount of investigation to ascertain the possibilities of developing new storage sites and of increasing the capacities of existing storages.

The problem of increasing the capacity of the Eildon Reservoir presented particular difficulties owing to the form of construction of the dam, which was affected by subsidences of the rockfill in 1929. The remedial works carried out subsequently to strengthen the dam have proved satisfactory, and no further trouble has been experienced. It has been evident, however, that a considerable departure from the original design would be necessary if this dam were to be raised for the storage of additional water.

Dr. Savage was asked to advise the Commission as to "the practicability of increasing the capacity of the Reservoir and as to the form of construction most suitable for raising the embankment on the present site if this is considered practicable". He was also asked to comment on the soundness and adequacy of the methods of investigation and design being followed by the Commission.

After preliminary discussions and study of plans and reports prepared by the Commission and after a visit by him to the Reservoir, the Commission received Dr. Savage's report dealing with the practicability of increasing the storage to approximately 918,000 acre feet by raising the Dam to hold water to a maximum depth of some 175 feet.

Dr. Savage stated that, in his opinion, a safe and adequate dam of the desired height is practicable and that the cost of such a dam would not be prohibitive in view of the value of additional storage. He referred to several alternative forms of construction and commented very favorably on a proposal for the construction of an earth and rockfill dam immediately downstream of and partly supported against the present Dam, which would become, in effect, the upstream toe of the large dam. He stated that such a design would avoid many of the uncertain and difficult problems involved in the enlargement of the present structure by rockfill.

The report stated further that the foundation conditions are believed to be satisfactory for such a design providing the impervious portion is founded on bed rock and the rockfill portions are founded on rock or on the gravel stratum that overlies the rock.

The prospects of finding a source of suitable impervious embankment materials in the vicinity of the dam appear favorable. These materials are likely to be obtained from the flood plains of the river downstream from the dam, where clay and silt beds overlie a stratum of sand and gravel. A proper mixture of these materials, such as can be obtained by controlled operation of power shovels, is likely to produce suitable gradations for impervious fill, and for semi-pervious fill if the latter is required.

This type of dam will not require a core wall extending to reservoir level. Two or three low cut-off walls at the base would provide adequate protection against percolation along the contact plane. With liberal dimensions for the impervious fill and with suitable materials available, both of which conditions appear obtainable, no corewall extending to maximum reservoir level would be required.

Dr. Savage stated also that it was evident from his discussion with the Commission's Engineers and from the reports prepared by them that they had a clear conception of the problems involved in the investigation and design of this important enlargement project. He added that the methods of investigation and design used by them followed well-established practice and appeared to be generally sound and adequate for the purpose.

He concluded by outlining an extensive and comprehensive programme for continuing the investigations and designs for the enlargement of the Dam. These new explorations involve tests of all classes of materials in and under the existing dam and also of materials available in the vicinity for the new embankments which would require nearly 5,000,000 cubic yards of fill. Scientific investigations of hydrostatic pressures in the existing embankment and in the foundation of the present Dam would be necessary; after which alternative designs and comparative estimates should be prepared for the various types of structures discussed. The Commission estimates the cost of these investigations at about £20,000.

As the enlargement of the Eildon Reservoir would, if carried out, be one of the most valuable post-war conservation works, the Commission is proceeding with the investigations recommended by Dr. Savage to the extent practicable with its very limited staff and labour resources. Rapid progress with the investigations is not expected as so many of the Commission's Engineers and work-men are serving in the fighting forces or in defence works.

Survey investigations of a reservoir site at Mitchellstown were completed.

Thomson River.

An investigation survey of this river was made and plans prepared in connection with a report to the Parliamentary Public Works Committee on the use of the waters of the river for irrigation in the Nambrok and Denison areas.

Barwon River.

Investigation surveys were completed of the East Branch and tributaries of this river, the flow of which is used to supply water to towns in the Bellarine Peninsula and to the City of Geelong.

MILITARY CAMPS.

Numerous surveys and designs have been carried out for the military authorities.

Works for Water Supply included the design of service basins and tanks, pumping plants, pipes and fittings, reticulation systems and extensions thereto, chlorinating apparatus and other installations, and for Drainage and Sewerage, sullage and sewage treatment plants comprising aeration units, sedimentation tanks, sludge drying beds, and other appurtenant equipment.

MISCELLANEOUS.

Designs have been made for a drilling plant for exploratory boring, for soil testing equipment, measuring flumes and meter recorders, and for grease traps and silt pits for use on drainage channels to permit the entrance of drainage from several townships. Various specifications, including revised standard specifications for different types of pipe, have been prepared, also numerous A.R.P. organization charts for water supply districts.

WATERWORKS TRUSTS UNDER SUPERVISION OF COMMISSION.

Water supply systems in many country towns are controlled by Local Authorities under the general supervision of the Commission.

There are now 134 of these Authorities—117 Waterworks Trusts and 17 Local Governing Bodies.

Apart from essential maintenance and renewal, the works carried out during the year have been limited to urgent works of a special nature.

This curtailment of many very desirable improvements, has been necessary to conserve all available material and manpower for war purposes.

The Benalla Waterworks Trust is continuing the construction of a large storage reservoir on Ryan's Creek as the first stage in a project to obtain a more reliable water supply for the town.

The Colac Waterworks Trust is carrying out improvements to the main pipe line to augment the town water supply.

The Maryborough Waterworks Trust is carrying out urgent improvements to the town reticulation.

The Orbost Waterworks Trust completed the installation of a new pipe line from the Rocky River to provide an increased water supply of improved quality to the town.

The Underbool Waterworks Trust has completed the major works to provide a town water supply and it is anticipated the reticulation mains will be installed in the next few months.

DRAINAGE AND FLOOD PROTECTION.

DRAINAGE DISTRICTS.

Irrigation Areas.

The maintenance of the various drainage systems has been under review and a method of working by patrols was adopted, but it has been found that the rapid growth of weeds makes it extremely difficult to keep all drains clear. Dragline excavators were fully employed, while available, on cleaning, enlarging and regrading drainage channels but, owing to the machines being required for urgent war works, this work could not be extended to many of the drains. The construction of drainage inlets from farms has been continued, but the funds available were insufficient to complete this work.

The Commission has decided that drainage from townships would be admitted to its drainage systems only after it passes through main grease and silt traps to be constructed and maintained by the Municipal Councils concerned. The design of a standard grease trap is being prepared.

The outfall of the Rodney Drainage System into Wells Creek has been completed by the construction of a concrete regulator and drop with suitable protection, and a road crossing.

In Shepparton Centre, the work of improving the outfalls to the various drainage systems has been advanced and indications are that, when completed, the drainage of this area will be very much improved. The growth of the weed *Polygonum Hydropiper*, known as "black pepper," is however causing considerable trouble in the No. 3 Main Drain and experiments are to be undertaken with chemicals and flame throwers in an endeavour to keep it in check.

A comprehensive report has been prepared in regard to the completion of works for the drainage of irrigated lands in Shepparton, North Shepparton, and Katandra Irrigation Districts but consideration of the proposals contained in the report has had to be deferred on account of the conditions brought about by the war.

The work of extending the drainage system in the Kerang East Drainage District has been completed involving the construction of a total length of ten miles of drains together with necessary structures. Maintenance of the existing system was also carried out.

In the Woorinen Drainage District, a few minor extensions were completed and the whole system was maintained.

In the Tresco area, further short lengths of open cut channel were reconditioned, twenty chains of pipe drain were laid, and several structures were installed. However, on account of the exhaustion of funds, work had to be discontinued.

After a length of five miles of the outfall section of the scheme (Myer's Creek and Main Outfall scheme) had been completed by means of a mechanical dragline excavator, the work of the construction of the Dingee Drainage System, designed to serve lands within the Dingee Irrigation District, was discontinued, also due to the lack of funds.

Proposals for the drainage of certain areas in the Murrabit section of the Koondrook Irrigation District were submitted to the interested landholders and approved. Pending the provision of funds for the carrying out of the comprehensive scheme as submitted, arrangements were made for the cleaning out of the existing drainage system and this work is now in hand.

Carrum.

The Carrum Drainage District—formerly the Carrum Waterworks Trust District—was constituted as from 1st July, 1941. An Advisory Board, comprising representatives of the Municipal Councils whose areas are included within the boundaries of the District, has been appointed to confer with the Commission on questions of rating classification of lands and other important matters which may arise.

No major constructional works have been carried out during the year. The work of deepening and enlarging the Mordialloc Catch Drain, which receives the drainage from an outer suburban area of about 30 square miles, was commenced towards the end of the year and is progressing satisfactorily.

General maintenance has comprised the clearing out of drains totalling 36 miles in length and the clearing of furze and noxious weeds on the main drainage reserves.

FLOOD PROTECTION DISTRICTS.

Cardinia and Kooweerup.

In the Cardinia District the work of remodelling the Toomuc Catch Drain for a distance of 5 miles above the South Gippsland Railway has been completed.

Fair progress has been made with the Yallock Scheme of work for the alleviation of flooding in the Kooweerup District. Below Bayles Township a large new drain has been constructed and a wide floodway provided for a distance of 2 miles on the south-east side of the existing Yallock Outfall. This outfall has been improved between Bayles and the No. 5 Road by enlarging the waterway and strengthening the protective banks, and further improvement work is in progress.

The work of regrading and enlarging the Catch Drain on the north-west side of the Kooweerup Main Canal has been extended about 50 chains above the railway at Kooweerup.

During the year in the two districts approximately 275,000 cubic yards of earth were removed by mechanical excavators, and other work including clearing, fencing and concrete work was carried out.

Maintenance has comprised the remodelling of McKays and Griffiths Drains for lengths of 60 and 80 chains respectively, the removal of growth and obstructions from drains totalling 85 miles in length, the treatment of noxious weeds and vermin along some 20 miles of drainage reserves, and repairs to bridges and structures.

Privately owned suction plants, operating under an arrangement with the Commission, have removed 36,000 tons of coarse clean sand from the Kooweerup Main Canal during the year. The total output of sand from this source to date is approximately 452,000 tons.

Kanyapella.

Minor repairs were carried out to the embankment at Warrigal Creek, and no damage resulted from fluctuations of the river.

Loch Garry.

Owing to the level of the Goulburn River at Shepparton having risen to 34 feet in July, 1941, the Loch Garry Regulator had to be opened. The removal of the bars was commenced on 9th July, 1941, and they were all replaced on 13th July, 1941. Some difficulty in this operation was experienced as the result of timber and debris left by woodcutters, but no damage was caused to the structure.

SEWERAGE.

There are now 38 Sewerage Authorities in Country Centres and the undertakings are in operation in 27 Sewerage Districts.

During the year the principal works were under construction at Kyabram, Leongatha, Maffra, Mornington, Nhill, Portland, Traralgon, and Yarrawonga.

In March, 1942, sewerage construction work ceased at the direction of the Commonwealth Government and at this date the undertakings at Leongatha, Maffra, Traralgon and Yarrawonga had not been brought into operation.

At Dimboola, Kyneton, Kyabram, Mornington, Nhill, and Portland, only portion of the properties of the sewerage areas had been connected to the sewers and the undertakings are therefore only in partial operation.

In the cases of the seven centres, where commencement of construction was previously deferred because of the national emergency, the undertakings remain in abeyance.

RIVER IMPROVEMENT, CONTROL AND GAUGINGS.

WORKS.

Owing to shortage of labour throughout the country, applications for assistance from the Rivers and Streams Fund have been reduced. Only 44 grants totalling some £5,000 were made during the year to Municipalities and other Authorities towards the cost of works for the removal of obstructions from streams and protection of the beds and banks from erosion. From the inception of the Fund in 1930 to 30th June, 1942, the number of grants approved has been 628 and the total sum granted £93,340. Rentals for river frontage licences paid into the Fund during the year amounted to £10,900.

Protective works for the Princes Highway Bridge on the Avon River at Stratford were completed. A flood in August, 1941, passed without material damage to any of the banks protected by the recent works. So far no flood sufficiently high to provide a real test has occurred.

Works were undertaken to arrest erosion on 60 chains of bank on the Yarrawonga Weir pool on the River Murray.

CATCHMENT CONTROL.

An experimental station has been established in the catchment of the Teddington Reservoir near St. Arnaud, for the purpose of obtaining run-off data from natural and improved forest and from grass land. Measuring weirs and Venturi type flumes have been installed and regular measurements are being obtained.

MURRAY LEVEES.

During the year, six applications for permission to erect levees along the River Murray and adjacent streams for the protection of lands from flooding were dealt with by the Interstate Committee appointed for the purpose.

Draft legislation is being prepared with a view to providing more control over the erection of levees along the River Murray and on other streams throughout Victoria.

MINING AND SLUDGE ABATEMENT.

Several applications for alluvial Mining Leases on streams have been investigated and reported upon.

DIVERSION OF WATER.

The right of the State to the use and flow and to the control of waters in rivers, creeks, streams and watercourses, lakes, lagoons, swamps, and marshes has been strictly exercised.

Prosecutions were lodged by the Commission in four cases for unauthorized diversion of water under the Water Acts, and convictions were obtained in all cases and fines were imposed by the Courts.

During the earlier summer months, seasonal conditions and stream flows were favorable to the use of water for irrigation, but, in several instances, it was found necessary to enforce restrictions and to regulate the use of water for irrigation from natural streams, particularly on the Avoca River, Bendigo Creek, and Little River.

There was a smaller demand by landholders outside irrigation districts for authority to divert water from streams and other natural sources of supply. The authorized diversions in force comprise 7 under licences for periods up to fifteen years and 2,194 under annual permits, making a total of 2,201 compared with 2,246 for the previous year.

Details of licences and permits in force during the year are set out below:—

	Industrial.	Vineyards.	Orchards and Market Gardens.	Tobacco.	Miscellaneous.	Total.
<i>Licences—</i>						
Number in force	7	..	..	..	..	7
<i>Permits—</i>						
Number in force	120	41	235	53	1,745	2,194
Area irrigated (acres) ..	..	956	1,736	563	12,086	15,341

Two hundred and forty-one applications for Licences under Section 188 of the Water Act, 1928, to divert water for irrigation purposes for a period of fifteen years, mainly from the River Murray and its tributaries and contiguous systems, were received during the year, making a total of 258 such applications received to 30th June, 1942. Consideration is being given to these applications.

RIVER GAUGING.

As provided by Section 32 of the *Water Act* 1928, the gauging and recording of flows of the principal rivers and streams of the State were continued. Weekly returns showing the volumes of water stored in reservoirs have been compiled.

During the greater part of the year, stream flow throughout the State was well below the average resulting in low levels in all reservoirs at the end of the irrigation season. Commencing in May, 1942, however, the run-off from all catchments excepting some in East Gippsland has been substantially above normal and the storage of sufficient water in all reservoirs for the coming season is assured.

The number of gauging stations in operation is 54.

The following table shows the discharge of some of the principal streams during the year 1941-42, also the average annual discharge and the percentage departure from the average.

Stream.	Discharge for Year 1941-42.	Average Annual Discharge since Year (—).	Percentage Departure from the Average.
	Acre feet.	Acre feet.	
River Murray at Jingellic	1,113,000	1,851,000 (1891)	— 40
Mitta River at Tallandoon	620,000	1,117,000 (1887)	— 44
Broken River at Goorambat	76,600	210,800 (1887)	— 64
Goulburn River at Eildon Weir	1,238,000	1,409,000 (1916)	— 12
Goulburn River at Murchison	1,954,000	2,296,000 (1882)	— 15
Coliban River at Malmsbury	38,720	52,290 (1890)	— 26
Loddon River at Laanecoorie	70,800	173,900 (1891)	— 59
Little Wimmera River at Lake Lonsdale ..	63,100	72,800 (1904)	— 13
Werribee River at Melton Reservoir	21,050	54,880 (1917)	— 62
Bunyip River at Bunyip	133,100	125,900 (1908)	+ 6
Thomson River at Cowwarr	266,100	326,100 (1901)	— 18
Macalister River at Glenmaggie Weir	340,500	428,200 (1920)	— 20

MISCELLANEOUS.

ENGINEERING RESEARCH BRANCH.

The work of this branch has been carried out under unusually arduous conditions as the result of three factors of major importance engendered in the main by the present state of war. It so happened that all members of the staff having more than two years' service in this branch of the Commission's activities undertook full time duties with the Army, Navy, or Air Services.

The laboratory itself had to be hurriedly transferred from the Exhibition Building to premises at 420 William Street, Melbourne, to provide accommodation urgently required for the Liquid Fuel Control Board. The Soil Mechanics Laboratory Equipment was transferred from Hume Reservoir to Melbourne.

The provision of services, furnishings and equipment essential to the smooth functioning of the laboratory was greatly hampered and delayed by the unusual conditions at present prevailing.

The work involved in Research and Testing is summarized as far as possible in the following grouping :—

- (1) Routine Laboratory Tests for Commission and Other Authorities.
- (2) Inspection of Materials Supplied by Contractors.
- (3) Chemical and Physical Examination of Materials for Works.
- (4) Water Purification and Analysis.
- (5) Soil Mechanics.

(1) *Routine Laboratory Tests for Commission and Other Authorities.*

—						Normal Portland Cement.	Low-Heat Portland Cement.	Concrete Specimens.
						tons.	tons.	
For the Commission	..	..	..	..	..	2,208	71	91
For other Departments	..	..	..	..	..	22,455	..	272
Totals	..	..	..	..	..	24,663	71	363

Testing was also carried out to meet the requirements of the Commission's undertakings and, in addition, of many installations in connexion with military activities.

The pipes tested were of various sizes and pressure heads, but to secure brevity no reference has been made to such particulars in the tabulation hereunder :—

Material.						Length.	Number.
						feet.	
Welded Steel Pipes	..	..	..	..	..	7,058	..
Cast Iron Pipes	..	..	..	..	..	1,075	..
Asbestos-Cement Pipes	..	..	..	..	..	245,819	..
Cement Concrete Pipes (High Pressure)	..	..	..	..	..	17,532	..
Sluice Valves	..	..	..	..	..	..	241
Sundry Valves	..	..	..	..	..	..	21
Pillar Hydrants	..	..	..	..	..	..	24
Totals	..	..	..	..	..	271,484	286

(2) *Inspection of Materials Supplied by Contractors.*

The nature of raw or fabricated materials is such that, in many instances, routine testing is impracticable and in these cases careful inspection has been made prior to acceptance of materials for works.

In detail these consisted of:—

Material.	Length.	Number.
	feet.	
Cement Concrete Pipes (Low Pressure)	42,194	..
Cement Concrete Pipes (Half-Round)	500	..
Collars for Cement Concrete Pipes .. .. .	..	41
Glazedware Pipes	16,275	..
Glazedware Pipe Fittings .. .. .	..	2,535
Rubber Rings (for Asbestos-Cement Pipes) .. .. .	..	18,864
Rubber Rings (for Cement Concrete Pipes) .. .. .	..	1,980
Cast-iron Gibault Joints (for Asbestos-Cement Pipes) .. .. .	..	3,871
Cast-iron Blank Ends (for Asbestos-Cement Pipes) .. .. .	..	280
Castings (such as Tees, Bends, &c.) .. .. .	..	1,776
Cast-iron Tapping Saddles .. .. .	..	857
Fire Plugs .. .. .	..	74
Fire Plug Covers .. .. .	..	69
Meter Covers .. .. .	..	209
Valve Covers .. .. .	..	129
High Pressure Ferrule Stop Cocks .. .. .	..	72
Mild Steel Fabricated Items .. .. .	..	466
Totals	58,969	31,223

NOTE. Additional to those mentioned above, inspections were made of many other items, including agricultural drain pipes, steel sections, timber, windmills, and boat.

(3) *Chemical and Physical Examination of Materials for Works.*

Samples of material for concrete aggregates have been received and examined. These included sands from Balmoral for use in the construction of Rocklands Dam which were tested for grading, mica content, and water soluble salts, with a view to determining whether any deleterious effect on concrete was possible.

Specimens of incrustations from concrete and ironwork in water supply systems were examined, including an incrustation of calcium carbonate which was causing considerable trouble by blockage of a suction pipe from the drainage well at Lauriston Dam. With regard to the latter the cause of formation and methods of prevention were investigated and incrustation was greatly reduced by the exclusion of air from the pipe in question.

An investigation has been commenced on the relation between the strength of concrete test specimens and the degree of water saturation at the time of breaking.

(4) *Water Purification and Analysis.*

Conditions in the summer were apparently less favourable than usual to algal infestations, as reports of complaints in this regard were at a minimum and examination of samples of water from sources subject to algal trouble generally indicated the condition of the water to be satisfactory.

(5) *Soil Mechanics.*

A considerable amount of work has been handled in this section, including the continuation of testing in reference to the Hume Reservoir Bank. In connexion therewith, full scale models of apparatus proposed for use in the measurement of pore pressure in the reservoir bank have been set up to determine the most satisfactory procedure for the tests.

Samples of soils from the Murray Valley Irrigation District have been received and tested with a view to their use in channel banks.

From Eildon Reservoir samples of foundation material of the bank have been received and tested.

In connexion with certain constructional activities of Engineer Headquarters of United States Army Forces in Australia a number of soil samples have been tested.

LAND VALUATIONS.

Valuations for Rating.

Valuations for extensions totalling 27,320 acres of the Murray Valley Irrigation and Water Supply District were made as well as for the Carrum Drainage District which comprises some 3,500 separate assessments. In addition, 66 supplementary valuations made under the provisions of the *Water Act* 1939, No. 4678, were returned.

Valuations for Land Compensation.

Two hundred and seventeen claims for compensation for land required for the Commission's undertakings were dealt with and 84 cases were settled with the claimants. In the latter, the claims totalled £16,151 and settlements were effected for £4,808.

In regard to land compensation generally, the Commission has had a very long experience, having dealt with nearly 6,000 cases in the 37 years of its existence.

The lands and interests in lands acquired have been situated in practically every part of the State, and the matters involved have been extremely varied and often complicated. In the compulsory acquisition of land by statutory authorities, such as the Commission, it is rare for the only subject arising to be that of land value; by far the greater number of cases require consideration of the difficult questions of severance, depreciation, enhancement, and that of special value to the owner of the land being acquired. Land value is, however, the first question to be decided and the dominant factor.

The multiplicity of authorities in Victoria charged with the duty of making land valuations, and the varying valuations in consequence ascribed to the same parcel of land, unnecessarily complicates and delays the settlement of land acquisition cases, and it is apparent that the creation of a central Authority to establish land valuing on a sound basis so that the same land would have one valuation for all purposes would be of benefit both to landowners and to the State. The Commission is of the opinion that such a body should be constituted, and that land valuation should not be carried out by rating or construction authorities.

OCCUPATION OF COMMISSION'S LANDS.

The Commission has continued the leasing to suitable tenants of lands not required in connexion with its works, 1,093 occupancy permits for periods up to fifteen years being now in force.

CROWN LANDS.

In accordance with a long standing arrangement with the Lands Department, numerous applications for alienation or occupation of Crown Lands, including water reserves and creek frontages, were referred to this Commission for report in connexion with water supply interests.

PART IV.—RATING AND FINANCE.

VALUATIONS, RATES, IRRIGATION CHARGES, AND FLOOD PROTECTION CHARGES.

The statements which follow set forth 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, the number of assessments, and the general rates, compulsory irrigation charges, flood protection rates and charges, and drainage rates made in all Districts. An estimate of the numbers of persons dwelling in such Districts is also appended.

During the year, rates were, for the first time, made in the Carrum Drainage District and the Allansford Urban District. An irrigation charge was also made for the first time in the Deakin Irrigation and Water Supply District.

As mentioned in the last report, the Carrum Waterworks Trust was abolished and the Trust's District created the Carrum Drainage District. The District was later extended to include lands within the City of Chelsea which derive benefit from the drainage works.

The Cohuna and Leitchville Irrigation and Water Supply Districts were amalgamated to form one District known as Cohuna Irrigation and Water Supply District, while the Mornington and Mount Martha Urban Districts were amalgamated to form one District known as Mornington Urban District.

For the purpose of making and levying rates and charges as provided by the *Water Acts* 1928 and 1939, the lands in 42 Irrigation and Water Supply and Waterworks Districts were arranged in not more than three divisions, and those in 14 Flood Protection and Drainage Districts in not more than four divisions in accordance with the relative benefits derived by such lands from the works, while, as heretofore in the urban portion of the Coliban System, a minimum and tapering rate was made. In the Carrum Drainage District, rates were made on the unimproved capital value of lands within the District.

Under the powers conferred by Section 62 of the *Water Act* 1928, minimum annual rates were fixed by the Commission on the first division lands in 20 Waterworks Districts.

In 26 Districts the Commission made and levied compulsory irrigation charges, in 3 Flood Protection Districts charges were made, and, in 2 Waterworks Trusts Districts taken over by the Commission, rates were also made.

Details of all rates and charges made are set out hereunder :—

VALUATIONS, RATES, IRRIGATION CHARGES, AND FLOOD PROTECTION CHARGES.

Districts Supplied with Water for Domestic and Ordinary Use and for Watering Cattle or Other Stock.	Area of District in Acres.	Area classified as Irrigable in Acres.	Water Rights Apportioned (including Extra Rights) in Acre Feet.	Annual Value of Lands and Tenements.	Rate in the £1 made during Year ended 30th June, 1942.	Compulsory Irrigation Charge per Acre Foot of Water Right, Season 1941-42.	Number of Assessments.	Estimated Number of Persons dwelling in District, excluding Defence Establishments.		
IRRIGATION AND WATER SUPPLY DISTRICTS.										
Supplied from Goulburn System.				Valuation by Commission.	Divisions.					
					1st.	2nd.	3rd.			
					£	s. d.	s. d.		s. d.	s. d.
1. BOORT	80,074	56,722	11,339	18,395	1 0	0 6	..	7 0	276	410
2. CALIVIL	61,135	32,597	6,519	16,467	1 0	..	..	7 0	193	404
3. DEAKIN	160,449	14,092	3,552	45,597	1 8	0 10	0 5	6 0	551	1,237
4. DINGEE	8,849	4,361	4,361	3,329	1 0	..	..	7 0	68	160
5. KATANDRA	13,966	11,184	7,336	8,126	1 0	..	..	7 0	121	385
6. NORTH SHEPPARTON ..	121,722	61,365	13,319	54,039	1 0	0 6	0 3	7 0	473	1,120
7. ROCHESTER	181,330	57,169	57,565	66,710	1 0	0 6	0 3	6 0	911	2,563
8. RODNEY	272,673	190,338	60,900	134,606	1 0	0 6	0 3	6 0	1,896	5,110
9. SHEPPARTON	24,485	21,417	21,417	35,757	1 0	..	..	6 0	677	2,300
10. SOUTH SHEPPARTON ..	33,670	17,923	4,404	15,362	1 0	0 6	..	6 0	129	355
11. TONGALA-STANHOPE ..	76,160	47,663	48,089	48,852	1 0	0 6	0 3	6 0	919	2,073
12. TRAGOWEL PLAINS ..	218,445	148,688	31,177	44,309	1 0	0 6	0 3	7 0	635	908
Totals	1,252,958	663,519	269,978	491,549					6,849	17,025

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

Districts Supplied with Water for Domestic and Ordinary Use and for Watering Cattle or Other Stock.	Area of District in Acres.	Area classified as Irrigable in Acres.	Water Rights Appropriated (including Extra Rights) in Acre Feet.	Annual Value of Lands and Tenements.	Rate in the £1 made during Year ended 30th June, 1942.	Compulsory Irrigation Charge per Acre Foot of Water Right, Season 1941-42.	Number of Assessments.	Estimated Number of Persons dwelling in District excluding Defence Establishments.		
IRRIGATION AND WATER SUPPLY DISTRICTS—continued.										
Supplied from Yarrawonga Weir.				Valuation by Commission. £	Divisions.					
					1st. s. d.	2nd. s. d.	3rd. s. d.			
13. MURRAY VALLEY ..	89,222	67,630	18,882	35,097	1 0	0 6	0 3	10 0	428	75
Supplied from Torrumbarry System.										
14. COHUNA ..	85,708	44,079	44,265	46,079	1 9	0 10½	0 5¼	6 0	634	1,564
15. DRY LAKE ..	1,806	779	..	279	..	..	..	..	4	..
16. FISH POINT ..	6,327	3,756	1,845	1,533	1 0	..	..	6 0	33	4
17. KERANG ..	85,321	54,784	18,901	17,651	1 9	0 10½	0 5¼	5 0	402	690
18. KOONDROOK ..	82,683	23,402	23,402	23,980	1 9	0 10½	0 5¼	6 0	376	1,072
19. MYSTIC PARK ..	20,260	7,928	2,690	3,337	1 0	..	..	6 0	84	100
20. SWAN HILL ..	37,101	22,268	22,271	30,917	1 0	..	..	6 0	625	1,795
21. THIRD LAKE ..	11,482	3,771	2,513	2,156	1 9	0 10½	..	6 0	45	85
Totals ..	330,688	160,767	115,887	125,932					2,203	5,358
Supplied from Southern State Works.										
22. MAFFRA-SALE ..	51,782	22,282	22,338	58,732	1 0	0 6	0 3	10 0	450	2,250
23. BACCHUS MARSH ..	6,655	3,331	3,331	15,024	1 0	0 6	0 3	22 6	250	562
24. WERRIBEE ..	10,137	8,154	8,155	21,443	1 0	0 6	..	12 0	236	1,355
Totals ..	68,574	33,767	33,824	95,199					936	4,167
Supplied direct from River Murray.										
25. MERBEIN ..	10,354	7,726	19,316	49,557	0 6	..	..	62 6	551	3,000
26. NYAH ..	3,847	2,775	7,424	8,662	0 6	..	..	53 4	235	830
27. RED CLIFFS ..	30,955	11,223	28,056	81,603	0 6	0 3	0 1½	70 0	934	3,150
Totals ..	45,156	21,724	54,796	139,822					1,720	6,980
Supplied on a Sales of Water Basis.										
28. CAMPASPE ..	19,725	..	..	8,871	2 0	1 0	0 6	6 0	149	155
29. TRESKO ..	3,482	2,000	..	3,529	2 6	1 3	..	20 0	215	223
Totals ..	23,207	2,000	..	12,400					364	378
Totals (Irrigation) ..	1,809,805	949,407	493,367	899,999					12,500	34,658

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, 1942.			Minimum Amount of Rate per 640 Acres on Lands in the First Division.	Number of Assessments.	Estimated Number of Persons dwelling in District, excluding Defence Establishments.
WATERWORKS DISTRICTS.							
Supplied from Wimmera-Mallee System.	Valuation by Commission. £	Divisions.			£ s. d.		
		1st. s. d.	2nd. s. d.	3rd. s. d.			
30. BIRCHIP	41,964	2 1	1 0½	0 6¼	9 12 0	646	1,800
31. HINDMARSH	8,542	2 8	..	0 8	10 13 4	51	222
32. KARKAROOC	128,876	1 11	0 11½	0 5¾	9 12 0	1,261	3,850
33. LONG LAKE	72,521	2 6½	1 3¼	0 7½	9 12 0	798	2,100
34. SEA LAKE	63,785	2 5	1 2½	0 7¼	9 12 0	658	1,700
35. TYNTYNDER	50,784	3 0	1 6	0 9	9 12 0	1,006	2,000
36. TYRRELL	39,668	3 0	1 6	0 9	9 12 0	814	2,420
37. TYRRELL WEST .. .	57,804	3 0	1 6	0 9	9 12 0	1,354	3,020
38. UPPER WESTERN WIMMERA	63,858	1 4	0 8	0 4	9 12 0	477	1,644
39. UPPER WIMMERA UNITED ..	106,172	1 4	0 8	0 4	9 12 0	1,007	2,170
40. WESTERN WIMMERA .. .	278,612	1 0½	0 6¼	0 3½	..	2,660	8,560
41. WIMMERA UNITED .. .	315,648	1 0½	0 6¼	0 3½	9 12 0	2,490	6,810
42. WYCHEPROOF	76,075	2 1	1 0½	0 6¼	9 12 0	1,060	2,000
Totals	1,304,309					14,282	38,296
Supplied direct from River Murray.							
43. CARWARP	4,545	3 4	1 8	0 10	10 13 4	144	425
44. CARWARP CENTRAL .. .	784	3 4	1 8	0 10	10 13 4	17	60
45. COREENA	5,968	3 4	1 8	0 10	10 13 4	135	210
46. MILLEWA	18,615	3 4	1 8	0 10	10 13 4	418	1,000
47. MILLEWA CENTRAL .. .	11,624	3 4	1 8	0 10	10 13 4	300	575
48. YELTA	1,991	3 4	..	0 10	10 13 4	57	40
Totals	43,527					1,071	2,310
Supplied by Bores.							
49. WALPEUP WEST	48,211	0 8	0 4	..	4 16 0	1,069	1,820
Supplied from Coliban System.							
50. AXE CREEK	1,663	1 9½	..	..	..	67	250
51. HARCOURT	6,652	1 4	..	..	..	173	600
Totals	8,315					240	850
Miscellaneous.							
52. KERANG NORTH-WEST LAKES	7,400	0 5	..	..	..	180	346
53. NORMANVILLE	28,842	1 6	0 9	0 4½	10 13 4	273	459
54. WERRIBEE	5,029	2 0	1 0	..	..	63	108
Totals	41,271					516	913
Totals (Waterworks) ..	1,445,633					17,178	44,189

VALUATIONS, RATES, AND FLOOD PROTECTION CHARGES—continued.

Districts Supplied with Water for Domestic and Ordinary use from pipe reticulations.	Annual Value of Lands and Tenements.	Rate in the £1 made during year ended 30th June, 1942.	Minimum Amount of Rate for lands on which there is a building.	Minimum Amount of Rate for lands on which there is no building.	Sales of Water Charge per 1,000 gallons.	Number of Assessments.	Estimated Number of Persons dwelling in District, excluding Defence Establishments.
URBAN DISTRICTS AND DIVISIONS.							
<i>Supplied from Bellarine Peninsula System.</i>	Municipal Valuation.						
	£	s. d.	s. d.	s. d.	s. d.		
55. ANGLESEA	2,999	2 6	50 0	15 0	1 0	161	150
56. BARWON HEADS AND OCEAN GROVE	11,032	2 6	50 0	15 0	1 0	739	850
57. DRYSDALE	3,061	2 6	50 0	15 0	1 0	175	600
58. PORTARLINGTON	3,372	2 6	50 0	15 0	1 0	248	600
59. QUEENSCLIFF AND POINT LONSDALE	22,719	2 6	50 0	15 0	1 0	818	3,100
60. TORQUAY	5,608	2 6	50 0	15 0	1 0	331	450
Totals	48,791					2,472	5,750
<i>Supplied from Mornington Peninsula System.</i>							
61. BERWICK	7,249	2 1	30 0	7 6	1 0	312	950
62. BITTERN	623	3 1	30 0	7 6	1 0	65	100
63. BUNYIP	3,378	2 4	50 0	10 0	1 0	154	400
64. CARRUM	94,038	1 5	30 0	7 6	1 0	4,233	7,600
65. CRANBOURNE	3,585	2 0	30 0	7 6	1 0	143	300
66. CRIB POINT	3,415	3 1	50 0	10 0	1 6	277	650
67. DANDENONG	72,794	1 3	30 0	7 6	1 0	2,153	4,900
68. DROMANA—PORTSEA	51,919	3 3	60 0	10 0	1 3	2,579	3,000
69. FRANKSTON	76,736	1 4	30 0	7 6	1 0	2,492	6,100
70. GARFIELD	2,555	2 4	50 0	10 0	1 0	100	300
71. HASTINGS	2,494	3 0	40 0	10 0	1 0	180	500
72. LONGWARRY	2,152	2 6	50 0	10 0	1 0	122	280
73. MORNINGTON	48,816	1 6	30 0	7 6	1 0	1,188	2,540
74. PAKENHAM	5,950	2 1	50 0	10 0	1 0	221	730
75. SOMERVILLE	2,767	2 6	30 0	7 6	1 0	82	310
76. SOUTH FRANKSTON	18,300	2 3	100 0	20 0	1 0	288	910
77. SPRING VALE	42,928	1 6	30 0	7 6	1 0	2,803	3,365
Totals	439,699					17,392	32,935
<i>Supplied from Otway System.</i>							
78. ALLANSFORD	778	1 6	30 0	5 0	1 3	39	200
(Rate made for period 7th February, 1942, to 30th June, 1942.)							
79. CAMPERDOWN	31,125	3 0	60 0	10 0	1 3	959	2,800
80. COBDEN	8,981	3 0	60 0	10 0	1 3	288	800
81. TERANG	22,478	3 0	60 0	10 0	1 3	663	1,950
Totals	63,362					1,949	5,750
<i>Supplied from Wimmera-Mallee System.</i>							
82. ANTWERP	224	3 6	70 0	10 0	2 0	25	58
83. BERRIWILLOCK	1,388	3 6	20 0	..	1 6	64	80
84. BEULAH	3,595	3 0	20 0	..	1 3	218	375
85. BIRCHIP	6,110	1 8	20 0	..	1 3	291	530
86. BRIM	1,168	3 6	60 0	10 0	1 6	89	112
87. CHILLINGOLLAH	313	3 6	70 0	10 0	2 0	37	45
88. CHINKAPOOK	562	3 6	70 0	10 0	2 0	42	100
89. CULGOA	1,344	3 6	20 0	..	1 6	60	70
90. DIMBOOLA	16,452	1 8	20 0	..	1 0	595	1,608
91. DOOEN	169	2 0	40 0	5 0	1 6	6	24
92. HOPETOUN	6,713	3 0	20 0	..	1 3	291	640
93. JEPARIT	9,071	2 1	20 0	..	1 3	290	824
Carried forward	47,109					2,008	4,466

VALUATIONS, RATES, AND FLOOD PROTECTION CHARGES—continued.

Districts Supplied with Water for Domestic and Ordinary use from pipe reticulations.	Annual Value of Lands and Tenements.	Rate in the £1 made during year ended 30th June, 1942.	Minimum Amount of Rate for lands on which there is a building.	Minimum Amount of Rate for lands on which there is no building.	Sales of Water Charge per 1,000 gallons.	Number of Assessments.	Estimated Number of Persons dwelling in District, excluding Defence Establishments.
URBAN DISTRICTS AND DIVISIONS—continued.							
<i>Supplied from Wimmera-Mallee System—continued.</i>	Municipal Valuation.						
Brought forward ..	£ 47,109	s. d.	s. d.	s. d.	s. d.	2,008	4,466
94. JUNG JUNG ..	889	3 0	30 0	7 6	1 6	45	148
95. LALBERT ..	850	3 6	70 0	10 0	1 6	56	109
96. LASCELLES ..	935	3 6	20 0	..	1 6	83	113
97. MANANGATANG ..	2,144	3 6	70 0	10 0	2 0	118	272
98. MARNOO ..	1,173	3 6	50 0	10 0	1 6	56	184
99. MINYIP ..	6,313	2 9	20 0	..	1 6	261	560
100. NANDALY ..	290	3 6	70 0	10 0	2 0	33	90
101. NATIMUK ..	3,288	1 6	20 0	..	1 0	141	534
102. NULLAWIL ..	794	3 6	70 0	10 0	2 0	43	50
103. OUYEN ..	9,385	3 0	20 0	..	2 0	468	930
104. PATCHEWOLLOCK ..	710	3 6	70 0	10 0	2 0	67	127
105. QUAMBATOOK ..	3,268	2 10	20 0	..	1 3	170	353
106. RAINBOW ..	9,084	1 8	20 0	..	1 3	312	850
107. RUPANYUP ..	5,797	2 10	20 0	..	1 6	217	488
108. SEA LAKE ..	7,613	2 0	20 0	..	1 3	278	450
109. SPEED ..	419	3 6	70 0	10 0	2 0	27	40
110. TEMPY ..	288	3 6	70 0	10 0	2 0	43	70
111. ULTIMA ..	2,205	3 0	20 0	..	1 3	202	270
112. WAITCHIE ..	288	3 6	70 0	10 0	2 0	39	45
113. WALPEUP ..	872	3 6	70 0	10 0	2 0	60	130
114. WATCHEM ..	1,776	3 3	20 0	..	1 6	115	180
115. WOOMELANG ..	1,987	3 6	20 0	..	1 3	119	160
116. WOORINEN ..	710	3 6	70 0	10 0	1 6	66	96
117. WYCHEPROOF ..	7,664	2 0	20 0	..	1 3	253	480
118. YAAPEET ..	321	3 6	70 0	10 0	2 0	33	50
Totals ..	116,172					5,313	11,245
<i>Supplied from Torrumbarry System.</i>							
119. COHUNA ..	10,856	1 10	20 0	..	1 3	453	1,050
120. KOONDROOK ..	3,063	2 9	20 0	..	1 3	198	561
121. LEITCHVILLE ..	1,929	3 6	40 0	10 0	1 6	116	230
122. MURRABIT ..	285	3 6	70 0	10 0	2 0	33	52
Totals ..	16,133					800	1,893
<i>Supplied direct from River Murray.</i>							
123. CARWARP ..	96	3 6	70 0	10 0	2 0	21	15
124. LAKE BOGA ..	2,266	3 0	20 0	..	1 3	178	345
125. MERBEIN ..	10,340	2 9	20 0	..	1 0	412	1,400
126. MERINGUR ..	303	3 6	70 0	10 0	2 6	34	60
127. NYAH ..	890	2 9	55 0	..	1 3	62	115
128. NYAH WEST ..	4,410	2 9	60 0	10 0	1 6	212	350
129. PIANGIL ..	1,055	3 6	60 0	10 0	1 6	99	105
130. RED CLIFFS ..	16,914	2 2	30 0	15 0	1 0	434	960
131. WERRIMULL ..	881	3 6	70 0	10 0	2 6	69	99
Totals ..	37,155					1,521	3,449
<i>Miscellaneous.</i>							
132. BACCHUS MARSH ..	16,984	1 6	20 0	..	1 6	572	1,838
133. COROP ..	178	2 6	20 0	..	1 0	24	51
134. DINGEE ..	344	3 6	40 0	10 0	1 3	25	45
135. HEYFIELD ..	4,101	2 6	50 0	10 0	1 0	153	500
136. HICKSBOROUGH ..	454	3 6	60 0	10 0	1 6	40	100
137. LOCKINGTON ..	1,579	3 0	60 0	10 0	1 6	94	160
138. MARONG ..	814	3 0	40 0	10 0	1 0	60	300
139. NEWSTEAD ..	2,993	3 0	60 0	10 0	1 0	156	400
Carried forward ..	27,447					1,124	3,394

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

Districts Supplied with Water for Domestic and Ordinary use from pipe reticulations.	Annual Value of Lands and Tenements.	Rate in the £1 made during year ended 30th June, 1942.	Minimum Amount of Rate for lands on which there is a building.	Minimum Amount of Rate for lands on which there is no building.	Sales of Water Charge per 1,000 gallons.	Number of Assessments.	Estimated Number of Persons dwelling in District, excluding Defence Establishments.
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URBAN DISTRICTS AND DIVISIONS—*continued.*

<i>Miscellaneous—continued.</i>		Municipal Valuation.						
		£	s. d.	s. d.	s. d.	s. d.		
Brought forward	..	27,447					1,124	3,394
140. NORTH WONTHAGGI	..	3,524	2 0	30 0	5 0	1 6	426	1,000
141. PYRAMID HILL	..	3,515	2 3	45 0	10 0	1 6	162	376
142. STANHOPE	..	1,874	2 6	50 0	10 0	1 3	81	225
143. WONTHAGGI	..	31,402	1 6	20 0	..	1 6	1,316	8,000
Totals	..	67,762					3,109	12,995

COLIBAN SYSTEM.

	Municipal Valuation.	Rate in the £1 made during year ended 30th June, 1942.	Minimum Amount of Rate for lands on which there is a building.			
	£	s. d.	s. d.			
144. COLIBAN	412,369	On Valuations up to £300	1 6	20 0	1 0	14,563
		From £301 up to £700	1 3	..	..	..
		From £701 on	1 0	..	..	..
		Vacant Lands	1 6	..	..	..
Totals (Urban)	1,201,443					47,119

Includes Bendigo, Castlemaine, Eaglehawk, Maldon, Barker's Creek, Campbell's Creek, Chewton, Elphinstone, Epsom-Ascot, Fryers-town, Guildford, Harcourt, Huntly, Kangaroo Flat, Myer's Flat, Raywood, Sebastian, Spring Gully, Taradale, and Yapeen.
See under Waterworks Districts for Axe Creek and Harcourt rural supplies and under Urban Districts for Marong.

WATERWORKS TRUSTS.
(Administered by Commission.)

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, 1942.			Number of Assessments.	Estimated Number of Persons dwelling in District, excluding Defence Establishments.
		Divisions.				
	Valuation by Commission.	1st.	2nd.	3rd.		
	£	s. d.	s. d.	s. d.		
145. LODDON UNITED ..	68,003	0 8	0 4	0 2	767	770
	Municipal Valuation.	Rate in the £1 made during year ending 31st December, 1942.	Minimum Amount of Rate for lands on which there is a building.	Sales of Water Charge per 1,000 gallons.		
	£	s. d.	s. d.	s. d.		
146. MITIAMO (Urban).. ..	930	4 0	20 0	1 3	57	137
Totals (Trusts)	£68,933				824	907
Grand Totals	£3,616,008				77,621	214,271

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

District.	Annual Value of Lands and Tenements.	Rate in the £1 made during Year ended 30th June, 1942.				Number of Assessments.	Estimated Number of Persons dwelling in District, excluding Defence Establishments.				
DRAINAGE DISTRICTS.											
		Divisions.									
		1st.		2nd.		3rd.		4th.			
Valuation by Commission.		s. d.		s. d.		s. d.		s. d.			
£											
147. COHUNA	35,131	1	6	1	1½	0	9	0	4½	511	1,145
148. KERANG EAST	16,939	1	8	1	3	0	10	0	5	355	721
149. MAFFRA-SALE	28,906	1	2	0	10½	0	7	0	3½	244	1,120
150. MERBEIN	43,304	0	9	..	..	0	4½	..	..	387	3,000
151. RED CLIFFS	71,254	0	9	..	..	0	4½	..	..	614	2,750
152. ROCHESTER	26,822	1	6	1	1½	0	9	0	4½	463	1,511
153. RODNEY	18,083	1	3	0	11½	0	7½	0	3¾	295	670
154. SHEPPARTON	56,141	1	2	0	10½	0	7	0	3½	899	3,000
155. TONGALA-STANHOPE	51,217	1	6	1	1½	0	9	0	4½	780	2,123
156. WERRIBEE	22,152	0	8	0	6	0	4	0	2	250	1,289
157. WOORINEN	10,360	1	2	..	..	..	..	..	..	238	360
Totals	380,309	..	..	..	..	..	..	..	..	5,036	17,689
Unimproved Capital Value											
£											
158. CARRUM	354,015	0	3	0	2½	0	1½	0	0¾	4,608	4,450
Totals (Drainage)	£380,309 (N.A.V.)									9,644	22,139
	£354,015 (U.C.V.)										

FLOOD PROTECTION DISTRICTS.

		Rate in the £1 made during Year ended 30th June, 1942.					
		Divisions.					
Valuation by Commission.		1st.	2nd.	3rd.	4th.		
£		s. d.	s. d.	s. d.	s. d.		
159. LOWER KOOWEERUP ..	56,771	2 0	1 6	1 0	0 6	961	2,500
Area in Acres.		Charge per Acre made during year ended 30th June, 1942.					
		s. d.	s. d.	s. d.	s. d.		
160. CARDINIA	26,594	3 2	2 4½	1 7	0 9½	242	750
161. KANYAPELLA	12,578	0 5	..	0 2½	..	41	63
162. LOCH GARRY	41,681	0 5	..	..	..	108	180
Totals (Flood Protection)		80,853 (Acres)				1,352	3,493

MISCELLANEOUS WATER CHARGES.

For Irrigation Supplies from the Commission's channels to lands outside constituted Irrigation and Water Supply Districts, the charge for water is 50 per cent. above the compulsory charge ruling in the nearest Irrigation and Water Supply District, excepting supplies to such lands as are within constituted Waterworks Districts and subject to the general Domestic and Stock rate, for which the charge is the equivalent of the irrigation charge ruling in the nearest Irrigation and Water Supply District.

For Irrigation Supplies to lands in the Western Wimmera and Wimmera United Waterworks Districts the charge for water is 12s. per acre foot with a minimum annual payment of £2 for any one holding.

For Domestic and Stock Supplies from the Commission's pipe lines to properties outside proclaimed Urban Districts the charges are in accordance with the Commission's By-law No. 3875 or by special agreement and are as follow :—

Name of Waterworks District.	Amount of Charge per 1,000 Gallons for Water Supplied.	Minimum Charge per Annum.
	s. d.	s. d.
BELLARINE PENINSULA	1 0	50 0
MORNINGTON PENINSULA	1 0	50 0
MORNINGTON PENINSULA (EXTENSION)	1 3	60 0
OTWAY	1 3	60 0

FINANCE.

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

REVENUE.

The respective amounts collected during the past three years were £615,277 for 1939-40, £611,235 for 1940-41, and £693,519 for 1941-42.

The amount collected, which included arrears, represented the equivalent of 132 per cent. of the year's assessment (£526,383) for rates and charges. Additional amounts collectable for sales of water, interest on arrears, meter rents, &c., were £163,597. The total collectable new money for the year, therefore, was £689,980, of which the actual sum collected (£693,519) represented the equivalent of 101 per cent.

An amount of £14,634 was written off the books of the Commission for the financial year 1941-42 as compared with £110,872 for the previous year. The large amounts which have been written off the books of the Commission over the past few years are mainly the result of adjustments of accounts of water-users in arrears, in rural districts. The adjustments have been made pursuant to legislation, as listed hereunder :—

	Amount of remission to 30th June, 1942. £	Number of individual cases involved.
<i>Farmers' Debts Adjustment Act</i> 1935, No. 4326	90,402	1,460
<i>Water Act</i> 1937, No. 4513	125,538	1,845
<i>Water Act</i> 1940, No. 4740	81,663	12,000
		(Approx.)

The amount of £81,663, written off under the provisions of the Water Act No. 4740, represents the remission of interest accrued on arrears to 30th June, 1940. Arrears totalling £437,635, of the rates and charges (excluding interest remitted and excused) subject to the provisions of the Water Act, No. 4740, are payable by instalments over periods ranging up to twenty years. The arrears so consolidated are not subject to interest conditionally upon the instalment being paid on the due date each year.

The loss for the year 1941-42 on Crown lands which have not been occupied or have been vacated by the lessees leaving no assets amounted to £5,255.

The arrears of rates and charges were reduced from £620,846 as at 1st July, 1941, to £602,877 as at 30th June, 1942.

EXPENDITURE.

The expenditure for the year on maintenance, water distribution, and management, and the comparative figures for 1940-41 are set out hereunder :—

	1941-42. £	1940-41. £
From Annual Vote Appropriation	511,609	489,258
From Unemployment Relief (Taxation) Funds	384	1,984
	<hr/> 511,993	<hr/> 491,242

An amount of £315,660 was expended during the year on capital construction works, reconstruction, improvements and enlargement of works, and river improvements from funds provided as under :—

	£
Ordinary Loan Funds (Acts Nos. 4771 and 4838)	274,845
Unemployment Relief Loan Funds (Act 4097)	37,575
Unemployment Relief (Taxation) Fund	3,230
Commonwealth Defence Works (U.R.) Account (Commission's Works)	10
	<hr/> 315,660

The total expenditure on works carried out or supervised by the Commission for the year 1941–1942 from all sources was as set out hereunder :—

	£	£
*Vote Funds	509,109	
Special Appropriation	2,500	
Unemployment Relief (Taxation) Funds	384	
		511,993
Ordinary Loan Funds—		
Commission Works	247,807	
Waterworks Trusts and Local Bodies	27,038	
		274,845
Unemployment Relief Loan Funds (Act 4097)	37,575	
Unemployment Relief (Taxation) Fund	3,230	
Commonwealth Defence Works (U.R.) Account (Commission's Works)	10	
Water Supply Works Depreciation Fund	4,493	
		45,308
Total Expenditure on construction, operation, maintenance and administration of Commission's Works and Water Supply Works supervised by Commission		832,146

*Includes £8,400 contribution to War Damage Fund—Commonwealth National Security (War Damage to property) Regulations—for period 1st January, 1942, to 30th June, 1942.

Expenditure on war precautions under the provisions of the *National Security Act* 1939, No. 4645, amounted to £2,845. 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.

The actual expenditure during the year by this Commission on works included in the River Murray Agreement was Construction £53,593 and Maintenance £7,727.

In addition, water supply, sewerage and other works have been constructed at the request of the Military Authorities for a number of military and internment camps. The expenditure (£171,925) 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, 1942, was £27,919,190, of which amount £21,770,013 is charged to the "Capital Expenditure borne by the State Account." Of the remainder, £1,962,368 is charged to Waterworks Trusts and Local Government Bodies, £64,303 is debited to the Plant and Machinery Account, and the balance, £4,122,506, 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 £2,031,261 in the National Debt Sinking Fund.

The average rate per cent. of Interest for 1941–42 debited by the Treasury on the Capital Liability for Country Water Supply Works was £3 15s. 6d.

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

	£	s.	d.
Interest	1,119,752	5	4
Exchange on overseas interest	116,871	19	3
	1,236,624	4	7

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 1941–42 in relation to the Capital Liability.

Capital Debited to—	Capital Liability as at 30th June, 1942.	Interest Liability (excluding Exchange).	Interest Paid by Water Users.
	£	£ s. d.	£ s. d.
Districts and Divisions under the direct control of the Commission	4,122,506	161,950 15 2	157,973 2 7
Waterworks Trusts and Local Governing Bodies	1,962,368	86,407 16 2	88,499 0 11*
Plant and Machinery Account	64,303	2,468 16 11	2,468 16 11
Capital Expenditure borne by the State Account	21,770,013	868,924 17 1	..
	27,919,190	1,119,752 5 4	248,941 0 5

* Inclusive of arrears of interest paid.

DEPRECIATION.

The amount at credit of the Water Supply Works Depreciation Account in the Commission's books at 1st July, 1941, was £126,456 12s. An amount of £47,678 4s. 3d. was raised by rates and charges during the financial year 1941-42 and paid to consolidated revenue for purposes of depreciation.

In addition, a sum of £396 8s. was paid direct to the credit of the Fund, being amounts contributed by landholders and other bodies as capitalized maintenance of water supply works constructed for their respective benefits.

After crediting the Account with interest amounting to £2,909 13s. 10d. and deducting the expenditure (£4,492 17s. 3d.) from Depreciation for the year, the balance remaining in the Account as at 30th June, 1942, was £172,948 0s. 10d.

During the year a sum of £117,000 was transferred from the Commission's revenue to the credit of the Water Supply Works Depreciation Fund in the Treasury Books.

It is desirable that the Fund be built up to ensure that moneys will be available to meet large expenditure in replacements which must be effected in the near future, and that regular transfers be made to the Fund to avoid fluctuations in the Commission's net revenue each year. The amount included in rates and charges levied each year for purposes of depreciation is approximately £48,000.

Details of the Water Supply Works Depreciation Account are set out on pages 64-66. 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, 1942, was	97,256	6	2
The value of movable Plant and Machinery held in the Plant and Machinery Account as at 30th June, 1942, was	64,302	17	1

Plant and Machinery controlled in the Plant and Machinery Account are 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. The hire charge account is in credit to the extent of £2,266 16s.

The amount of the hire charge representing the 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 £17,159 2s. 5d. as at 30th June, 1942, as against the credit of £17,551 14s 10d. in the Water Supply Plant and Machinery Account in the Commission's books. The difference represents interest credited to the Account in the Commission's books, and not yet paid to the Fund by the Treasury.

REVENUE EXPENDITURE CHARGEABLE TO THE STATE ACCOUNT.

The Commission, by direction of the Governor in Council, has throughout 1941-42 continued the water supply to 2 Irrigation Districts, 19 Waterworks Districts, 21 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, 1940-41 £76,954, and 1941-42 £82,931. In 29 of these Districts an aggregate cash surplus of revenue over expenditure of £11,145 was obtained. This amount was applied to Interest (£5,406) in respect of Capital works debited to districts subsequent to the Capital Adjustment, Redemption (£340), and Depreciation (£2,048), leaving a sum of £3,351 available to the credit of the respective districts.

The above figures are exclusive also 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 in the following pages.

FINANCIAL OPERATIONS 1941-42.

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 (27).

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

Waterworks Districts (10).

Axe Creek	Mornington	Normanville	Western Wimmera
Bellarine Peninsula	Peninsula	Otway	Wimmera United
Harcourt	Newstead	Werribee	

Urban Divisions and Districts (65).

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

The surplus Revenue over Expenditure in respect of these Districts after providing for interest, redemption, and depreciation was	£	73,825
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“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 was insufficient to meet operating costs and to which supplies of water were continued by direction of the Governor in Council are :—

Irrigation and Water Supply Districts (2).

* Fish Point Tresco

Waterworks Districts (19).

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

Urban Divisions and Districts (24).

*Corop	*Carwarp	*Meringur	*Speed
*Heyfield	*Chinkapook	*Nandaly	*Tempy
Murrabit	*Drysdale	*Nyah West	*Ultima
*Anglesea	*Jung Jung	*Patchewollock	*Waitchie
*Beulah	*Koondrook	*Piangil	*Walpeup
*Bittern	Lake Boga	*Portarlington	*Werrimull

In districts marked “*” the operations for 1941–42 resulted in an aggregate surplus of £5,739. Of this amount a sum of £2,388 has been applied to depreciation account and redemption.

The amount debited to “The Revenue Expenditure chargeable to the State Account”	£
in respect of districts maintained during 1941–42 by direction of the Governor	
in Council, in which the Revenue was insufficient to meet operating costs, was	82,931

NATIONAL SERVICES.

Included in the heading of “National Services” are such items as River Gaugings and Inspections, Contribution to the River Murray Commission for the Maintenance of River Murray Works, Supervision of Waterworks Trusts and Sewerage Authorities, Administration of Unemployment Relief Works, &c. In addition, the salaries (provided for under Special Appropriation) paid to the Commissioners of the State Rivers and Water Supply Commission are debited to the annual cost of operating country water supply works.

The Total Cost of Services of a National Character administered by the	£
Commission during 1941–42, was	70,762
From this amount may be deducted miscellaneous revenue collected in	
respect to diversion permits, rents, &c.	22,166
Net Cost of National Services, 1941–42	48,596

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 1941–42 that “the net cost to the State for the year in connexion with country water supply which has been met from general revenue was £1,096,421.” This figure includes the cost of the services above referred to, also a sum of £2,845 expended on war precautions. The equivalent figure stated annually is often incorrectly quoted as a “loss” in respect of country water supply, whereas the only amount which, on the existing basis of rates and charges, might be correctly regarded as a cash “loss” is the amount of £82,931 mentioned above, being the deficiency on Districts in which the revenue was insufficient to meet expenses and to which, as already intimated, the supply of water was continued by direction of the Governor in Council.

The excess of receipts over expenditure throughout the districts operated by the Commission was £294,480—this amount includes a sum of £8,757 being revenue in excess of operating costs in certain of the (Order in Council) Districts. After allocation where applicable of this amount towards Interest, Redemption, and Depreciation, a net amount of £17,500 remained and may be regarded as an offset to the amount of £82,931 debited to the “Revenue Expenditure borne by the State Account”.

A summary of the total cost (£1,096,421) to the State for the year is set out hereunder—a more detailed analysis is set out on page 48 of this Report.

					£
Total Cost to the State	..	..	..	..	1,096,421
			£	£	
Loss on “Non-paying” Districts	..	..	..	82,931	
Net Cost of “National Services”	..	..	..	48,596	
Interest and Exchange on Headworks, and Capital borne by State	..	..	985,797		
Less Interest on Lands sold, &c.	..	..	3,403		
				982,394	
				1,113,921	
Deduct amount paid to Revenue in respect of Depreciation (£47,678) and Redemption (£9,646)				57,324	
				1,056,597	
Deduct Surplus on “Paying Districts”	..	..	73,825		
Revenue in excess of operating costs in other (“Non-Paying”) Districts		..	3,351		
				77,176	
				979,421	
Add amount transferred from Revenue to Depreciation Fund	..	..	..	117,000	
Net Total Cost to State	..	..	..	..	1,096,421

The net cost to the State of £1,096,421 represents an increase of £16,828 over the comparable figure for the previous year. This is in part due to increased expenditure on maintenance and in part to interest charges on expenditure incurred in construction of new storages and other State works.

Included in the “Capital Expenditure borne by the State Account” are amounts representing expenditure (temporarily charged to that account) on works at present under construction and in respect of which the Capital Liability has not been allocated to Districts. As development proceeds in Districts already constituted, a commensurate amount of the Capital Liability is transferred from the State Account to the District Accounts—a sum of £121,126 was so transferred during the financial year 1941–42.

Large sums are involved in major water supply projects at present under construction; these are national works and the interest charges will not be fully borne by the water-users. Further, on the present basis of rates and charges it would not be possible, notwithstanding increasing development, for water-users to meet the full costs of interest, redemption, and operation.

It must be expected, therefore, that the cost to the State will continue for some time to increase each year. The amount (£1,096,421) borne by the community for the 1941–42 financial year is equivalent to 11s. 4d. per head of the whole population. It is considered, however, that the indirect benefits to the State which result from the extensive works and services administered by the Commission, particularly during the recent period of dry years, have fully warranted this contribution towards a State enterprise which has an important bearing on the prosperity of every citizen.

RESULT OF OPERATIONS IN DISTRICTS

Disbursements, 1941-42.

	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	25,764	2	2	15,915	15	3	8,381	9	7	50	2	1	50,111	9	1
Irrigation Districts ..	186,525	17	7	70,849	1	10	17,515	13	7	4,483	16	1	279,374	9	1
Irrigation Urban Divisions ..	3,511	0	0	1,760	12	0	664	15	3	112	17	9	6,049	5	0
Waterworks Districts ..	184,148	5	0	33,959	3	8	4,115	1	5	962	6	8	223,184	16	9
Waterworks Urban Districts ..	32,867	5	3	39,033	1	2	15,374	4	5	3,627	3	10	90,901	14	8
Flood Protection Districts ..	5,709	2	1	433	1	3	..	..	..	409	0	4	6,551	3	8
Drainage Districts	20,132	8	11	..	..	..	1,627	0	0	..	..	..	21,759	8	11
	458,658	1	0	161,950	15	2	47,678	4	3	9,645	6	9	677,932	7	2
Expenditure not chargeable to Districts	4,969	6	1	..	..	..	..	..	..	..	..	..	..	..	..
Free Headworks	7,754	8	3	..	..	..	..	..	..	..	..	..	..	..	..
Others	40,612	2	0	..	..	..	..	..	..	..	..	..	..	..	..
	511,993	17	4	161,950	15	2	47,678	4	3	9,645	6	9	677,932	7	2

SUMMARY OF OPERATIONS FOR YEAR 1941-42.

	£	s.	d.	£	s.	d.		£	s.	d.	£	s.	d.
REVENUE, 1941-42—							EXPENDITURE, 1941-42—						
From Districts and other activities under the control of the Commission							From—						
Less transfers to—							Annual Vote ..	500,709	4	0			
State Loans Re-payment Fund ..	£	s.	d.	693,519	8	8	War Damage Insurance ..	8,400	0	0			
Water Supply Works Depreciation Fund ..	409	0	4				Special Appropriation ..	2,500	0	0			
											511,609	4	0
							Unemployment Relief Fund (Public Account) ..				384	13	4
							Surplus carried down ..						
											511,993	17	4
											64,501	4	4
											576,495	1	8

ANALYSIS OF EXPENDITURE BORNE BY THE STATE, 1941-42.

	£	s.	d.	£	s.	d.
Services of a National Character—						
Maintenance River Murray Commission Works—Contribution by the State of Victoria in accordance with the provisions of the River Murray Waters Acts .. ..	..	..	..	14,100	0	0
Maintenance and Management of Free Headworks .. ..	..	..	..	7,754	8	3
Administration and General Expenditure in respect to Expenditure from Unemployment Relief Loan Funds .. ..	..	..	..	5,026	2	6
Expenditure under provisions of National Security (Emergency Powers) Act No. 1645 ..	..	..	..	2,845	0	1
War Damage Insurance .. ..	..	..	..	8,400	0	0
Superannuation .. ..	..	..	..	14,581	14	9
River Gaugings, Investigations, Supervision of Waterworks Trusts, Irrigation charges waived in respect of lands worked in interest of owners serving in military forces, free water supplied to Council for Scientific and Industrial Research, &c. ..	..	..	..	18,055	5	7
				70,762	11	2
Less Revenue received from Headworks, Diversion Permits, Rents, and recoup of salaries of officers on loan to Commonwealth .. ..	..	..	..	22,166	0	6
				48,596	10	8
Exchange on Overseas Interest Payments	116,871	19	3			
Interest on Capital Expenditure on Free Headworks and other Capital Expenditure borne by the State	868,924	17	1			
	985,796	16	4			
Less Interest on land sold, &c., inclusive of arrears of interest paid by Waterworks Trusts, £2,091 4s. 9d.	3,403	4	2			
				982,393	12	2
				1,030,990	2	10
Commission Districts—						
Districts supplied by direction of Governor in Council, Act. No. 4513, and showing excess Expenditure over Revenue (inclusive of Interest £1,969 17 9)	82,930	19	1			
Deduct Surpluses from operation of other Districts—						
Commission Districts the Capital Liability in respect of each of which has been adjusted under Act No. 4513—						
Surplus .. ..	..	..	..	228,400	2	6
Less Current Interest—						
Paid .. ..	..	..	..	152,566	18	8
Forward .. ..	..	..	..	2,007	14	10
				154,574	13	6
				73,825	9	0
Districts supplied by direction of Governor in Council but which show excess Revenue over Operating Costs, after allowing for Depreciation, £2,047 16s. 3d., and Redemption £340 7s. 7d.						
Surplus .. ..	..	..	..	8,757	3	0
Less Current Interest Paid .. ..	..	..	..	5,406	3	11
				3,350	19	1
				77,176	8	1
Amounts paid to Revenue in respect of Depreciation, £47,678 4s. 3d.; and Redemption, £9,645 6s. 9d. .. ..	..	..	..	57,323	11	0
				134,499	19	1
Less amount transferred to Water Supply Works Depreciation Fund in Treasury on account of moneys paid to Revenue in prior years and interest credited to Depreciation Account .. ..	..	..	..	117,000	0	0
				17,499	19	1
				65,431	0	0
Total Expenditure borne by the State				1,096,421	2	10

UNDER CONTROL OF COMMISSION.

Receipts, 1941-42.

	Total Receipts.	Less Transfers to—		Total Collections, Paid to Consolidated Revenue.	Excess.	
		(a) Depreciation Fund.	(b) State Loans Repayment Fund.		Receipts over Disbursements.	Disbursements over Receipts.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Coliban Works	49,932 16 10	(a) 19,385 0 0		30,547 16 10		178 12 3
Irrigation Districts ..	330,148 16 2	(a) 36,296 0 0		293,852 16 2	50,774 7 1	..
Irrigation Urban Divisions ..	8,130 12 5	(a) 1,835 0 0		6,295 12 5	2,081 7 5	..
Waterworks Districts ..	145,929 16 8	(a) 22,430 0 0		123,499 16 8		77,255 0 1
Waterworks Urban Districts ..	106,496 11 8	(a) 33,484 0 0		73,012 11 8	15,594 17 0	..
Flood Protection Districts ..	9,782 9 10	(b) 409 0 4		9,373 9 6	3,231 6 2	..
Drainage Districts	21,780 19 7	(a) 3,570 0 0		18,210 19 7	21 10 8	..
	672,202 3 2	(a) 117,000 0 0		554,793 2 10	71,703 8 4	77,433 12 4
		(b) 409 0 4				
Free Headworks	4,203 10 6	..		4,203 10 6	..	..
Miscellaneous	17,113 15 0	..		17,113 15 0	..	..
	693,519 8 8	(a) 117,000 0 0		576,110 8 4	71,703 8 4	77,433 12 4
		(b) 409 0 4				

Capital Expenditure 1941-42—

Expenditure during the year on Capital Works of Water Supply—	£ s. d.
Ordinary Loan Funds	274,845 7 0
State Unemployment Relief Funds	40,804 5 2
Total Capital Expenditure from Ordinary Sources	315,649 12 2
Additional Expenditure on Capital Works from Commonwealth Defence Works Unemployment Relief Funds	10 0 0
Total Capital Expenditure during year (Details pages 68-69)	315,659 12 2

Loan Capital Liability—

Net Loan Liability of State for Works of Country Water Supply at 30th June, 1942	26,259,086 12 9
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Represented by—

Works at Debit of Authorities—	£ s. d.	£ s. d.
Commission Districts	4,122,506 9 5	
Water Supply Plant and Machinery Account	64,302 17 1	
Waterworks Trusts and Local Governing Bodies	1,962,367 10 10	
		6,149,176 17 4

Capital Expenditure Borne by the State—

Free Headworks	1,227,844 16 7
Capital Works and Charges not apportionable to Districts	1,319,667 7 2
Headworks and Distributary Works	17,979,138 15 0
Waterworks Trusts and Local Governing Bodies	1,101,005 10 9
Free Grants to Local Authorities in early years	142,356 4 11
	21,770,012 14 5

Net Loan Capital Liability of Commission's Districts, Divisions, and

Works under control of the Commission	27,919,189 11 9
Less Amount from National Debt Sinking Fund (page 77)	1,714,180 10 1

26,205,009 1 8

Add Cash on Hand at Treasury	54,077 11 1
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Net Liability Country Water Supply Capital Account in Treasury	26,259,086 12 9
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Interest and Exchange—

The Total Interest due on the Loan Liability for 1941-42 is	1,119,752 5 4
To which is to be added Exchange payable on Overseas Interest	116,871 19 3
	1,236,624 4 7

Interest Debitable to—

Works at Debit of Authorities—

Commission Districts	161,950 15 2
Trusts	86,407 16 2
Water Supply Plant and Machinery Account	2,468 16 11
	250,827 8 3

Capital Expenditure Borne by the State—

Free Headworks	49,008 0 1
Capital Works and Charges not apportionable to Districts	52,673 0 0
Headworks and Distributary Works not debited to Districts	717,616 9 11
Free Grants to Local Authorities and Amounts written off over 43 years ago	49,627 7 1
	868,924 17 1

Exchange not apportioned	1,119,752 5 4
	116,871 19 3

1,236,624 4 7

RECEIPTS AND DISBURSEMENTS.

STATEMENT of Moneys Received and Disbursed during the Year Ended 30th June, 1942.

Works.	Receipts (Exclusive of Credit 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.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Coliban Works	49,932 16 10	(a) 19,385 0 0	30,547 16 10	25,764 2 2	..	25,764 2 2
Free Headworks—						
Broken River Works ..	..	..	..	..	..	..
Goulburn River Works ..	759 4 7	..	759 4 7	5,032 12 8	69 18 8	5,102 11 4
Kow Swamp Works ..	2,115 12 8	..	2,115 12 8	1,904 3 3	..	1,904 3 3
Lake Lonsdale Reservoir ..	412 0 5	..	412 0 5	46 2 6	..	46 2 6
Loddon River Works ..	271 6 6	..	271 6 6	349 16 3	..	349 16 3
North-West Lakes Works ..	645 6 4	..	645 6 4	325 14 0	..	325 14 0
Irrigation Districts ..	330,148 16 2	(a) 36,296 0 0	293,852 16 2	186,478 7 2	47 10 5	186,525 17 7
Irrigation Urban Divisions ..	8,130 12 5	(a) 1,835 0 0	6,295 12 5	3,511 0 0	..	3,511 0 0
Waterworks Districts ..	145,929 16 8	(a) 22,430 0 0	123,499 16 8	184,009 2 0	139 3 0	184,148 5 0
Waterworks Urban Districts ..	106,496 11 8	(a) 33,484 0 0	73,012 11 8	32,867 5 3	..	32,867 5 3
Flood Protection Districts ..	9,782 9 10	(b) 409 0 4	9,373 9 6	5,709 2 1	..	5,709 2 1
Drainage Districts ..	21,780 19 7	(a) 3,570 0 0	18,210 19 7	20,128 0 4	4 8 7	20,132 8 11
Miscellaneous Expenditure (not directly chargeable to Districts)—						
Loch Garry (proportion of maintenance borne by State) ..	..	..	..	38 9 9	..	38 9 9
Irrigation Branch ..	..	..	..	1,597 9 6	..	1,597 9 6
Waterworks Trusts and Sewerage Authorities ..	..	..	..	1,982 8 4	..	1,982 8 4
Salaries of officers on loan to Commonwealth Government—Military Leave—C.S.I.R.—and other services of a National Character ..	..	..	..	4,833 12 0	..	4,833 12 0
Rivers and Reclamation Division, Surveys, Investigations, &c. ..	..	..	..	6,979 13 4	123 12 8	7,103 6 0
Eppalock Weir ..	..	..	..	26 0 11	..	26 0 11
River Murray Commission—State contribution towards maintenance River Murray Works ..	..	..	..	14,100 0 0	..	14,100 0 0
Administration of Unemployment Relief Loan Works, &c. ..	..	..	..	5,026 2 6	..	5,026 2 6
Special Appropriation, Act No. 3801, sections 19, 20, Administration ..	..	..	..	2,500 0 0	..	2,500 0 0
War Damage Insurance ..	..	..	..	8,400 0 0	..	8,400 0 0
Miscellaneous Collections—(Diversion Permits, Rents, &c.) ..	17,113 15 0	..	17,113 15 0	..	..	..
Totals	693,519 8 8	(a) 117,000 0 0 (b) 409 0 4	576,110 8 4	511,609 4 0	384 13 4	511,993 17 4

Net Receipts paid to Consolidated Revenue ..	£ s. d.
Total Disbursements from Votes and Special Appropriation ..	576,110 8 4
Surplus from Commission's operations ..	511,609 4 0
Surplus from other debits and credits ..	64,501 4 4
Amount available towards Interest and Exchange, Depreciation, and Redemption (page 48) ..	75,701 17 5
	140,203 1 9

The expenditure on services of a national character, not directly chargeable to water-users, included Maintenance of River Murray Commission Works, £14,100; Maintenance and Management of Free Headworks, £7,754 8s. 3d.; Administration and General Expenditure Charges in respect to Unemployment Relief Loan Works, £5,026 2s. 6d.; War Damage Insurance, £8,400; Administration of Waterworks Trusts and Sewerage Authorities, £1,982 8s. 4d.; Proportion of operating costs Loch Garry Flood Protection District, £38 9s. 9d.; River Gaugings, Reclamation Works, Surveys and Investigations, £7,103 6s.; Irrigation Instruction and Demonstrations, £1,597 9s. 6d.; Special Appropriations, £2,500; Other Services, £4,833 12s.

Additional expenditure not included in above statement:—National Security Purposes, £2,845 0s. 1d.; Superannuation, £14,581 14s. 9d.

Against the foregoing expenditure there may be set off miscellaneous revenue, £21,317 5s. 6d., and other credits (£848 15s.)

Net cost to the State for services of a National character

COLIBAN SYSTEM.

STATEMENT of Moneys received and disbursed during the year ended 30th June, 1942, and of Interest charged at the rate of 3·929 per cent. on Capital Debts; and also of Depreciation and Redemption charged as at 30th June, 1942.

District.	Receipts.	Disbursements 1941-42.					Excess Disbursements over Receipts.	Excess Receipts over Disbursements.
		Operating Costs.	Depreciation Charges. (See pages 64-65.)	Redemption.	Interest.	Total.		
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
1. Coliban ..	48,021 12 8	24,586 12 10	8,292 1 8	..	15,142 18 2	48,021 12 8	..	..
2. Axe Creek ..	198 4 6	306 6 0	..	..	122 18 9	429 4 9	231 0 3	..
3. Harcourt ..	1,548 8 0	854 11 6	13 0 0	38 16 5	605 11 2	1,511 19 1	..	36 8 11
4. Marong ..	164 11 8	16 11 10	76 7 11	11 5 8	44 7 2	148 12 7	..	15 19 1
Totals ..	49,932 16 10	25,764 2 2	8,381 9 7	50 2 1	15,915 15 3	50,111 9 1	231 0 3	52 8 0

DISTRICTS HELD IN TRUST BY THE COMMISSION.

STATEMENT of Receipts and Disbursements for the Year ended 31st December, 1941.

Receipts.

Name of Trust.	Bank Balance at 1st January, 1941.	1941.				Grand Total for Year 1941.
		Rates.	Water Sales.	Interest and Miscellaneous.	Total.	
Loddon United	£ 337	£ 1,707	£ 194	£ 13	£ 1,914	£ 2,251
Loddon United (Mitiamo Division) ..	..	137	27	222	386	386
Totals	Cr. 337	1,844	221	235	2,300	2,637

Disbursements.

Name of Trust.	Capital Debit, 31st December, 1941.	1941.					Grand Total for Year 1941.	Bank Balance Carried Forward 1st January, 1942.
		Maintenance and Water Distribu- tion.	Manage- ment.	Total.	Interest.	(A) Deprecia- tion ; (B) Redemp- tion.		
Loddon United	£ ..	£ 856	£ 200	£ 1,056	£ 15	(B) 476	£ 1,547	Cr. 704
Loddon United (Mitiamo Division) ..	4,588	103	5	108	197	{ (A) 28 (B) 53 }	386	..
Totals	4,588	959	205	1,164	212	{ (A) 28 (B) 529 }	1,933	Cr. 704

FLOOD PROTECTION DISTRICTS.

STATEMENT of Moneys received and disbursed from 1st July, 1920, to 30th June, 1942, and Interest charged at the rate of 3·929 per cent. on Capital Debts, and also of Redemption charged as at 30th June, 1942.

RECEIPTS.

District.	1st July, 1920, to 30th June, 1941.	1941-42.						Grand Total at 30th June, 1942
		Water Act 1940, No. 4740, Section 3.		Charge.	Interest and Miscellaneous.	Total.		
		Instalments of Consolidated Arrears.	Interest.					
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	
Cardinia	34,081 10 8	739 5 5	24 8 11	2,586 17 11	39 14 0	3,390 6 3	37,471 16 11	
Kanyapella	4,381 3 7	26 13 2	0 0 5	164 10 3	0 19 4	192 3 2	4,573 6 9	
Lower Kooweerup	72,150 8 2	768 4 1	23 14 10	4,497 1 10	92 16 7	5,381 17 4	77,532 5 6	
Loch Garry	13,755 2 4	84 1 1	0 12 0	723 10 2	9 19 10	818 3 1	14,573 5 5	
Totals	124,368 4 9	1,618 3 9	48 16 2	7,972 0 2	143 9 9	9,782 9 10	134,150 14 7	

DISBURSEMENTS AND INTEREST, AND REDEMPTION CHARGED.

District.	Disbursements.					Interest Charged.			Redemption paid to— (A) Redemption Funds; (B) Revenue.	Grand Total at 30th June, 1942.
	1st July, 1920, to 30th June, 1941.	1941-42.			Total at 30th June, 1942.	1st July, 1920, to 30th June, 1941.	1st July, 1941, to 30th June, 1942.	Total at 30th June, 1942.		
		Repairs and Maintenance.	Adminis- tration.	Total.						
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Cardinia ..	12,745 18 0	1,469 5 1	666 19 0	2,136 4 1	14,882 2 1	26,429 1 2	£ ..	26,429 1 2	£ ..	41,311 3 3
Kanyapella	1,300 2 10	80 8 2	27 4 0	107 12 2	1,407 15 0	2,409 9 0	134 0 4	2,543 9 4	(B) 38 6 11	3,989 11 3
Lower										
Kooweerup	23,602 11 10	2,289 11 7	1,137 4 6	3,426 16 1	27,029 7 11	58,969 3 2	..	58,969 3 2	..	85,998 11 1
Loch Garry	1,871 2 2	0 19 9	37 10 0	38 9 9	1,909 11 11	6,946 5 8	209 0 11	7,245 6 7	(A) 5,087 19 9	14,242 18 3
Totals ..	39,519 14 10	3,840 4 7	1,868 17 6	5,709 2 1	45,228 16 11	94,753 19 0	433 1 3	95,187 0 3	{ (A) 5,087 19 9 (B) 38 6 11 }	145,542 3 10

IRRIGATION AND WATER SUPPLY DISTRICTS.
STATEMENT of Moneys received from 1st May, 1906, to 30th June, 1942.
RECEIPTS.

District.	1st May, 1906, to 30th June, 1941.		Water Act 1940, No. 4740, Section 3.		Rates.		Compulsory Irrigation Charges.		Water Sales.		Interest and Miscellaneous.		Total.		Urban Water.		Grand Total at 30th June, 1942.	
	£ s. d.		Interest.		£ 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.	£	s. d.	£	s. d.	£	s. d.
1. Baechus Marsh	147,521	19 1	114	5 2	745	9 5	3,766	18 0	866	10 5	131	10 5	5,629	2 9	545	0 0	153,696	1 10
2. Boort	123,658	8 6	237	17 5	884	5 2	3,868	14 10	2,303	6 5	152	18 6	7,447	2 11	..	..	131,105	11 5
3. Calivil	36,755	10 4	302	19 9	867	4 10	2,252	12 7	1,403	0 9	177	13 7	5,006	15 10	..	..	41,762	6 2
4. Campaspe	26,074	10 3	33	10 6	596	12 0	..	..	158	1 5	28	10 8	816	15 7	..	..	26,891	5 10
5. Coluna	499,851	16 10	927	2 0	3,677	16 2	12,103	6 4	6,408	15 9	332	19 4	23,450	15 6	76	0 0	523,378	12 4
6. Deakin	144,523	3 11	278	14 3	2,963	15 6	909	8 11	1,176	9 11	96	18 5	5,428	3 2	3	0 0	148,954	7 1
7. Dingee	47,244	19 4	525	11 6	172	9 3	1,588	5 11	455	0 10	46	18 2	2,791	1 4	5	0 0	50,041	0 8
8. Dry Lake	1,041	16 3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1,041	16 3
9. Katandra	23,589	0 2	244	2 0	389	10 0	2,417	5 7	229	9 0	82	9 9	3,362	18 0	..	..	26,951	18 2
10. Kerang	198,867	18 10	330	9 1	1,297	4 7	3,894	1 4	4,211	19 3	125	1 9	9,859	9 0	..	..	208,727	7 10
11. Koondrook	265,678	5 8	1,126	15 9	1,930	4 6	5,874	3 3	2,343	11 9	210	18 8	11,487	5 9	84	0 0	277,249	11 5
12. Maffra-Sale	160,208	6 9	605	1 11	2,853	6 10	10,754	17 1	2,778	2 2	384	18 10	17,378	5 4	100	0 0	177,686	12 1
13. Merbein	604,299	9 10	762	18 5	1,237	5 6	24,673	10 2	244	13 4	271	15 5	27,190	5 10	120	0 0	631,609	15 8
14. Murray Valley	3,447	12 5	16	6 3	1,398	7 8	2,992	16 0	1,576	18 2	343	7 8	6,327	18 6	..	..	9,775	10 11
15. Mystic Park	20,382	1 2	26	18 1	149	14 6	705	2 1	164	17 10	20	18 1	1,067	10 7	..	..	21,449	11 9
16. North Shepparton	54,611	0 2	318	6 10	2,587	12 1	4,578	5 6	326	8 10	196	13 3	8,009	5 1	..	..	62,620	5 3
17. Nyah	186,963	2 7	581	6 7	2,045	14 4	7,683	13 3	125	7 6	71	19 7	8,674	5 7	237	0 0	195,874	8 2
18. Red Cliffs	636,493	6 4	1,828	2 3	3,093	11 0	40,672	14 1	171	6 0	904	8 7	45,622	5 3	250	0 0	682,365	11 7
19. Rochester	485,460	6 4	1,760	6 2	6,719	18 1	15,985	14 4	8,635	6 7	773	4 9	30,256	12 11	15	0 0	515,731	19 3
20. Rodney	810,413	2 4	958	3 1	6,719	18 1	18,529	12 9	7,633	5 9	794	15 8	34,640	1 5	..	..	845,053	3 9
21. Shepparton	202,653	15 10	461	19 6	1,798	7 11	6,471	5 2	206	19 7	151	3 4	9,097	12 5	..	..	211,751	8 3
22. South Shepparton	38,284	13 9	70	6 1	703	4 9	1,282	17 2	258	15 4	33	11 8	2,348	15 8	..	..	40,633	9 5
23. Swan Hill	240,923	14 8	1,189	2 11	1,488	13 1	6,222	8 9	3,557	8 7	255	10 6	12,718	3 1	..	..	253,641	17 9
24. Third Lake	15,555	19 4	59	4 11	173	11 1	712	6 3	94	19 1	21	13 3	1,061	16 1	..	..	16,617	15 5
25. Tongala-Stanhope	321,980	9 3	1,611	16 6	2,340	3 10	13,058	5 10	2,903	7 5	547	3 4	20,477	8 5	20	0 0	342,477	17 8
26. Traragon Plains	377,084	17 5	702	18 6	2,054	14 0	9,610	3 8	4,979	1 5	426	14 5	17,780	3 8	42	0 0	394,907	1 1
27. Werribee	155,917	18 3	336	19 8	1,134	12 8	5,495	5 10	1,543	5 11	197	9 5	8,711	2 2	..	..	164,629	0 5
Totals	5,829,487	5 7	15,411	5 1	43,512	12 7	206,103	14 8	54,756	9 1	6,781	7 0	336,641	1 10	1,497	0 0	6,157,625	7 5

The Districts set out hereunder 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. 4,513.)

28. Fish Point	11,839	7 4	68	10 9	72	5 0	454	13 8	140	3 7	30	2 0	766	1 1	..	..	12,605	8 5
29. Tresco	37,475	4 4	20	16 8	462	16 2	..	..	2,167	0 2	90	9 3	2,741	13 3	..	..	40,216	17 7
Totals	49,314	11 8	89	7 5	535	1 2	454	13 8	2,307	3 9	120	11 3	3,507	14 4	..	..	52,822	6 0
Grand Totals	5,878,801	17 3	15,500	12 6	44,047	13 9	206,558	8 4	57,063	12 10	6,901	18 3	330,148	16 2	1,497	0 0	6,210,447	13 5

IRRIGATION AND WATER SUPPLY DISTRICTS.

STATEMENT of Moneys disbursed from 1st May, 1906, to 30th June, 1942, and of Interest charged at the rate of 3.929 per cent. on Capital Debts, and also of Depreciation and Redemption charged as at 30th June, 1942. (Free Headworks excluded.)

DISBURSEMENTS AND INTEREST, DEPRECIATION, AND REDEMPTION CHARGED.

District.	1st May, 1906, June, 1941.	Disbursements.				Total at 30th June, 1942.	Interest Charged.				Total at 30th June, 1942.	Depreciation Charges. (See page 64.)	Redemption Paid to—		Grand Total at 30th June, 1942.	
		1941-42.					1st May, 1906, to 30th June, 1941.						(A) Redemption Funds.			(B) Revenue.
		Repairs and Maintenance.	Water Distribution.	Administration.	Total.		£	s.	d.	£			s.	d.		£
1. Baceul Marsh	£ 44,871 14 9	£ 1,312 11 3	£ 606 7 11	£ 1,329 0 7	£ 3,247 10 9	£ 48,119 14 6	8.	11.	90 0 0	2,837 18 2	464 1 3	181,347 15 0				
2. Boort	£ 63,231 16 10	£ 1,080 11 1	£ 1,102 14 5	£ 1,355 10 7	£ 4,198 16 1	£ 67,430 12 11	8.	11.	135 0 0	559 8 0	1,400 0 0	128,940 0 5				
3. Calivil	£ 17,210 2 9	£ 537 15 9	£ 857 10 2	£ 489 15 1	£ 1,885 1 0	£ 19,095 3 9	8.	10.	65 0 0	349 14 1	108 8 6	60,069 15 2				
4. Camulupene	£ 16,521 12 9	£ 215 16 5	£ 229 6 1	£ 262 19 0	£ 508 1 1	£ 17,029 13 10	8.	10.	0 0	9,091 11 5	2,856 17 7	30,799 3 2				
5. Colman	£ 240,576 17 7	£ 3,664 14 5	£ 2,095 8 10	£ 2,232 17 2	£ 8,504 0 5	£ 258,080 18 0	8.	11.	13,045 0 0	9,091 11 5	362 9 4	531,873 9 9				
6. Deakin	£ 54,741 5 3	£ 1,138 4 1	£ 947 6 11	£ 639 6 0	£ 2,504 17 0	£ 57,246 2 0	8.	11.	50 0 0	1,122 2 10	141 6 9	152,498 16 9				
7. Dunge	£ 24,227 1 3	£ 361 5 3	£ 708 1 8	£ 330 5 1	£ 1,339 12 0	£ 25,566 13 3	8.	11.	0 0	441 3 0	0 3 3	55,263 11 11				
8. Dry Lake	£ 12,850 6 1	£ 607 14 11	£ 517 1 8	£ 415 17 11	£ 1,540 14 6	£ 14,400 0 7	8.	9.	60 0 0	28 4 11	146 16 3	1,070 3 4				
9. Katandra	£ 106,596 6 4	£ 2,012 6 3	£ 1,385 0 1	£ 1,444 7 2	£ 5,041 13 6	£ 111,637 19 10	8.	11.	450 0 0	574 11 0	2,700 0 0	56,811 5 7				
10. Kerang	£ 141,977 4 8	£ 9,257 6 7	£ 1,079 6 3	£ 1,634 5 4	£ 4,970 18 2	£ 146,948 2 10	8.	11.	6,160 0 0	2,468 15 6	783 17 11	212,928 10 7				
11. Koolberr	£ 73,446 18 6	£ 3,543 2 5	£ 1,961 14 11	£ 2,550 10 7	£ 8,055 7 11	£ 81,502 6 5	8.	11.	650 0 0	3,402 16 0	1,087 6 8	334,781 8 11				
12. Maffra-Sale	£ 461,169 16 6	£ 3,530 19 11	£ 18,472 15 5	£ 2,408 14 4	£ 24,412 9 8	£ 485,582 6 2	8.	11.	30,284 14 11	6,855 8 4	1,564 0 2	173,858 4 5				
13. Merbein	£ 33,700 17 10	£ 1,678 13 8	£ 1,182 10 3	£ 2,011 10 10	£ 4,872 14 1	£ 38,572 12 8	8.	11.	0 0	2,054 11 10	386 10 4	685,936 6 2				
14. Murray Valley	£ 13,436 17 10	£ 1,440 16 8	£ 1,211 0 3	£ 477 11 4	£ 3,713 10 7	£ 14,776 12 8	8.	11.	0 0	1,068 14 1	50 14 11	13,205 1 11				
15. Mystic Park	£ 415,574 4 3	£ 3,323 0 7	£ 4,725 3 7	£ 1,016 15 7	£ 9,064 19 10	£ 432,239 4 1	8.	11.	130 0 0	2,754 11 6	699 10 3	25,080 0 0				
16. North Shepparton	£ 21,436 17 10	£ 1,583 14 5	£ 1,211 0 3	£ 477 11 4	£ 3,713 10 7	£ 28,150 7 8	8.	11.	8,311 3 6	172 15 4	0 0	107,478 10 6				
17. Nyah	£ 415,574 4 3	£ 3,323 0 7	£ 4,725 3 7	£ 1,016 15 7	£ 9,064 19 10	£ 432,239 4 1	8.	11.	61,724 17 9	78,498 12 7	0 0	238,409 18 4				
18. Red Cliffs	£ 21,436 17 10	£ 1,583 14 5	£ 1,211 0 3	£ 477 11 4	£ 3,713 10 7	£ 28,150 7 8	8.	11.	583 7 8	217,225 12 0	2,433 13 3	566,730 2 8				
19. Rochester	£ 318,174 13 5	£ 3,495 7 7	£ 4,676 5 11	£ 3,059 1 2	£ 30,412 11 6	£ 323,288 19 6	8.	11.	640 0 0	7,584 12 8	1,951 4 5	920,693 8 1				
20. Rodney	£ 349,165 6 5	£ 7,889 12 10	£ 4,671 9 5	£ 4,927 15 0	£ 17,488 17 3	£ 366,654 3 8	8.	11.	235 0 0	551,448 0 0	715 18 3	274,916 4 0				
21. Shepparton	£ 84,064 0 7	£ 2,496 19 3	£ 1,656 2 10	£ 1,317 3 3	£ 5,659 5 4	£ 89,654 14 7	8.	11.	50 0 0	184,310 11 2	860 17 4	290,644 18 11				
22. South Shepparton	£ 11,843 0 7	£ 373 5 5	£ 373 5 5	£ 376 2 6	£ 1,336 0 7	£ 12,679 1 2	8.	11.	6,468 0 0	30,890 9 2	221 0 9	43,840 11 1				
23. Swan Hill	£ 125,840 14 3	£ 2,550 2 8	£ 2,050 8 9	£ 2,282 15 6	£ 6,843 6 11	£ 132,684 1 8	8.	11.	531 12 4	2,821 19 9	58 15 9	19,123 14 7				
24. Thirl Lake	£ 190 1 2	£ 484 1 0	£ 3,318 12 0	£ 144 4 1	£ 412 16 1	£ 6,007 10 4	8.	11.	345 0 0	6,080 1 2	1,825 11 7	438,177 13 4				
25. Tongala-Stanhope	£ 157,103 4 2	£ 3,062 15 11	£ 2,512 13 0	£ 2,593 7 3	£ 10,395 10 5	£ 167,589 4 0	8.	11.	410 0 0	5,723 3 5	1,168 16 8	447,950 3 3				
26. Tragoyee Plains	£ 162,269 17 5	£ 3,062 15 11	£ 2,512 13 0	£ 2,593 7 3	£ 10,395 10 5	£ 167,589 4 0	8.	11.	410 0 0	4,557 18 1	876 4 5	188,975 19 3				
27. Werribee	£ 34,341 17 10	£ 1,741 12 7	£ 896 6 6	£ 964 14 10	£ 3,602 13 11	£ 38,144 9 9	8.	11.	130,418 16 2	4,664 11 8	4,100 0 0	6,872,641 14 3				
Totals	£ 3,018,634 14 7	£ 58,442 15 0	£ 81,721 14 3	£ 41,196 4 10	£ 181,360 14 1	£ 3,199,995 8 8	8.	11.	130,418 16 2	70,849 1 10	18,944 0 1	6,872,641 14 3				

The Districts set out hereunder 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).

28. Fish Point	£ 8,258 0 0	£ 336 7 10	£ 213 17 2	£ 265 18 8	£ 816 3 8	£ 9,074 3 8	8.	11.	6	6,734 11 6	15,808 15 2	
29. Treco	£ 55,592 16 7	£ 914 10 4	£ 2,554 10 1	£ 879 19 3	£ 4,348 19 10	£ 58,941 16 3	8.	11.	3	50,656 18 3	110,598 14 8	
Totals	£ 63,850 16 7	£ 1,250 18 2	£ 2,768 7 3	£ 1,145 18 1	£ 5,165 3 6	£ 69,016 0 1	8.	11.	9	57,391 9 9	126,407 9 10	
Grand Totals	£ 3,082,485 11 2	£ 59,693 13 2	£ 84,490 1 6	£ 42,342 2 11	£ 186,525 17 7	£ 3,269,011 8 9	8.	11.	2	70,849 1 10	£ 4,100 0 0	£ 6,990,049 4 1

The Districts set out hereunder 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).

28. Fish Point	£ 8,258 0 0	£ 336 7 10	£ 213 17 2	£ 265 18 8	£ 816 3 8	9,074 3 8	8.	11.	6,734 11 6	..	15,808 15 2
29. Treco	£ 55,592 16 7	£ 914 10 4	£ 2,554 10 1	£ 879 19 5	£ 4,348 19 10	59,941 16 5	8.	11.	..	..	110,598 14 8
Totals	£ 63,850 16 7	£ 1,250 18 2	£ 2,768 7 3	£ 1,145 18 1	£ 5,165 3 6	69,016 0 1	8.	11.	..	..	126,407 9 10
Grand Totals	£ 3,082,485 11 2	£ 59,693 13 2	£ 84,490 1 6	£ 42,342 2 11	£ 186,525 17 7	3,269,011 8 9	8.	11.	130,418 16 2	4,100 0 0	6,990,049 4 1

WATERWORKS DISTRICTS.

STATEMENT of Moneys received from 1st May, 1906, to 30th June, 1942.

RECEIPTS.

District.	1941-42.										Grand Total at 30th June, 1942.									
	Water Act 1940, No. 4740, Section 3.			Rates.		Water Sales.		Interest and Miscellaneous.		Total.		Urban Water.								
	Instalments of Consolidated Arrears.			Interest.		Rates.		Water Sales.		Interest and Miscellaneous.		Total.		Urban Water.						
	£	s.	d.	£	s.	d.	£	s.	d.	£		s.	d.	£	s.	d.				
1. Bellarine Peninsula	48,375	2	11	..	..	..	6,963	10	2	12	11	8	6,976	1	10	55,551	4	9	
2. Mornington Peninsula	79,392	16	7	..	50	3	4	..	..	..	452	15	11	6,695	2	9	86,087	19	4
3. Newstead	82	10	0	..	..	..	19	0	0	..	..	..	19	0	0	101	10	0	
4. Normanville	4,171	12	3	..	138	8	10	..	1,715	15	8	66	11	6	1,924	8	2	6,096	0	5
5. Otway	11,724	14	7	7,860	9	9	95	7	5	7,955	17	2	19,680	11	9
6. Werribee	14,256	14	1	..	21	2	5	..	537	4	10	4	10	3	582	18	9	14,839	12	10
7. Western Wimmera	407,500	14	7	..	559	9	8	19	11	3	12,458	5	1	18,053	17	9	425,980	12	4	
8. Wimmera United	446,291	13	0	..	426	12	10	4	19	4	14,258	16	6	277	15	8	463,440	2	7	
Totals ..	1,011,995	18	0	..	1,195	17	1	28	12	1	28,990	2	1	1,199	17	6	1,071,777	14	0	
The Districts set out hereunder 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 Orders in Council, dated 30th June, 1938, and 21st October, 1941, under the provisions of section 6, <i>Water Act</i> 1937, No. 4513.)																				
9. Birchip	121,163	15	7	..	257	4	5	5	14	2	3,912	0	1	60	6	6	125,584	0	9	
0. Carwarp	20,339	1	8	..	382	17	9	0	6	7	615	17	6	27	8	4	21,707	6	8	
1. Carwarp Central	2,382	19	4	..	34	12	6	0	4	6	136	6	11	4	16	2	2,623	17	9	
2. Coreena	4,549	16	8	..	165	1	4	2	8	1	503	3	6	21	5	2	5,300	2	1	
3. Hindmarsh	15,308	11	4	..	47	10	6	0	6	4	1,053	6	0	23	4	1	16,432	18	3	
4. Karkaroc	399,662	10	8	..	1,057	4	2	21	8	6	12,554	13	4	368	12	9	324,237	8	10	
5. Kerang North-West Lakes	4,577	9	9	..	6	8	4	0	0	10	147	0	8	2	5	8	4,733	5	3	
6. Long Lake	282,892	19	7	..	1,069	11	1	32	15	0	6,149	1	4	120	18	7	240,493	5	7	
7. Millewa	35,273	0	5	..	521	14	10	15	14	6	2,187	1	9	234	9	6	39,029	18	6	
8. Millewa Central	18,017	8	11	..	394	8	5	5	6	11	1,414	6	8	113	15	10	20,200	6	2	
9. Sea Lake	219,725	17	3	..	543	14	2	12	17	0	6,432	19	9	144	9	11	227,146	18	1	
10. Tyntynder	140,618	6	8	..	1,446	6	9	16	3	2	4,776	12	4	191	3	3	147,290	10	11	
11. Tyrell	202,959	10	7	..	1,182	18	2	18	19	5	4,824	14	0	118	3	0	209,296	15	6	
12. Tyrell West	64,264	1	5	..	1,950	7	0	30	7	11	7,760	15	6	170	2	1	75,299	0	11	
13. Upper Western Wimmera	113,020	11	8	..	173	14	5	10	2	0	4,443	7	0	136	19	10	117,959	14	8	
14. Upper Wimmera United	184,653	12	1	..	332	17	9	4	9	10	6,443	12	3	156	15	6	191,676	7	5	
15. Waheup West	39,934	13	4	..	669	7	7	17	10	4	1,091	6	10	14	13	8	41,810	11	9	
16. Wycheproof	191,630	16	0	..	531	0	6	13	0	4	6,950	14	1	113	5	10	199,445	16	9	
17. Yelta	8,686	2	9	..	75	9	9	0	5	10	403	9	4	5	9	2	9,215	0	6	
Totals ..	1,929,661	5	8	..	10,842	9	5	208	1	3	71,800	8	10	2,028	4	10	2,019,483	6	4	
Grand Totals	2,941,657	3	8	..	12,038	6	6	236	13	4	100,790	10	11	3,228	2	4	3,091,261	0	4	

STATEMENT of Moneys disbursed from 1st May, 1906, to 30th June, 1942; and of Interest charged at the rate of 3·929 per cent. on Capital Debits; and also Depreciation and Redemption charged as at 30th June, 1942. (Free Headworks excluded.)

District.	1st May, 1906, to 30th June, 1941.	Disbursements.							Interest Charged.								Depreciation Charges. (See page 64.)	Redemption Paid to (A) Redemption Funds. (B) Revenue.	Grand Total at 30th June, 1942.				
		1941-42.							Total at 30th June, 1942.				1st July, 1941, to 30th June, 1942.							Total at 30th June, 1942.			
		Repairs and Maintenance.		Water Distribution.		Administration.		Total.	Rural Water.	£	s.	d.	£	s.	d.	£				s.	d.	£	s.
1. Bellarine Peninsula	13,573 11 10	£	2,008 7 2	£	1 13 10	£	924 7 7	£	2,932 14 9	£	16,506 6 7	£	3,258 12 1	£	43,444 17 8	£	829 19 8	£	60,781 3 11				
2. Mornington Peninsula	12,026 17 4	£	488 10 3	£	£	213 12 3	£	703 16 4	£	12,730 13 8	£	40,186 5 7	£	87,854 13 11	£	469 19 10	£	78,854 13 11				
3. Newstead	82 10 0	£	19 0 0	£	1 13 10	£	£	19 0 0	£	101 10 0	£	2,450 3 3	£	64,724 0 5	£	£	101 10 0				
4. Oranbyville	3,329 16 11	£	894 13 4	£	139 14 0	£	339 10 9	£	1,373 18 1	£	3,753 15 0	£	1,931 4 0	£	2,718 6 9	£	25 1 3	£	6,497 3 0				
5. Otway	3,214 17 2	£	1,831 6 10	£	75 11 10	£	732 12 0	£	2,639 10 8	£	5,854 7 10	£	12,722 4 6	£	16,338 5 4	£	62 0 2	£	26,760 17 8				
6. Werribee	4,406 13 7	£	41 9 3	£	43 3 7	£	74 6 0	£	158 18 10	£	4,565 12 5	£	11,791 18 7	£	11,952 4 1	£	62 0 2	£	16,579 12 8				
7. Western Wimmera	195,518 11 1	£	5,577 5 9	£	2,862 5 4	£	2,437 4 5	£	10,876 15 6	£	296,395 6 1	£	223,511 13 3	£	229,715 4 2	£	5,400 0 0	£	445,429 14 0				
8. Wimmera United	163,848 13 0	£	4,164 2 10	£	1,573 5 9	£	2,335 7 0	£	8,072 15 7	£	171,921 8 7	£	285,440 15 9	£	295,720 17 10	£	5,310 0 0	£	472,952 6 5				
Totals	335,001 10 11	£	15,024 15 5	£	4,695 14 4	£	7,057 0 0	£	26,777 9 9	£	421,829 0 8	£	637,857 18 10	£	664,613 12 3	£	9,411 8 7	{(A) 10,710 0 0 (B) 1,387 0 11}	£	1,107,951 2 5			

The districts set out hereunder 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 Orders in Council, dated 30th July, 1938, and 21st October, 1941, under the provisions of section 6, *Water Act 1937* No. 4513.)

9. Birelip	86,367	15	1	2,127	5	11	455	8	7	642	9	8	3,225	4	2	89,592	19	3	66,886	9	3	999	15	10	67,886	5	1	157,674	9	10
10. Carwarp	60,343	4	9	1,176	14	7	1,208	19	11	296	11	9	2,682	6	3	63,475	11	0	22,227	18	10	...	...	...	586	...	0	86,289	9	10
11. Carwarp Central	3,554	9	3	132	2	9	150	4	6	326	14	11	3,881	4	2	1,275	1	2	2,227	18	10	...	...	...	25	...	0	5,181	5	4
12. Coreana	22,584	1	7	3,465	18	8	1,580	3	3	419	5	0	5,405	6	11	25,049	8	6	16,742	19	8	...	...	...	16,742	19	8	44,792	8	2
13. Hindmarsh	5,963	9	8	497	12	4	31	19	8	158	3	1	3,687	15	2	6,651	4	10	8,741	14	3	230	0	4	8,741	14	3	16,611	6	6
14. Karkaroo	182,307	19	11	14,685	40	5	698	0	9	2,220	7	10	17,063	19	0	199,917	18	11	199,872	10	11	44	12	11	199,917	3	10	390,829	2	9
15. Kerang	3,885	19	0	18	15	3	84	13	11	40	7	6	143	16	8	4,029	15	8	1,942	6	9	...	...	...	1,942	6	9	5,972	2	5
16. Long Lake	106,832	19	0	8,640	18	2	2,146	10	10	1,461	12	6	12,249	1	6	179,082	0	9	109,347	17	0	337	2	5	109,684	19	5	297,072	2	5
17. Millicewa	129,178	11	6	6,081	2	1	6,517	8	4	1,578	19	0	14,177	9	5	143,356	0	11	35,423	13	7	...	...	...	35,423	13	7	178,779	14	6
18. Millicewa Central	71,847	18	11	2,864	18	11	6,737	11	11	908	8	8	10,510	19	6	82,358	18	5	26,013	19	7	...	...	...	26,013	19	7	108,372	18	0
19. Sea Lake	168,137	3	7	6,415	9	5	8,999	4	10	1,257	15	2	8,572	9	5	176,709	13	0	92,245	8	1	...	...	...	92,245	8	1	208,955	1	0
20. Tyntynder	153,509	1	3	11,675	2	5	1,156	15	4	1,838	7	0	14,670	4	9	168,179	6	0	145,574	9	11	24	4	0	145,598	14	5	313,778	0	1
21. Tyrell	103,519	7	2	8,857	11	6	1,206	11	11	1,701	19	9	18,836	1	6	122,372	14	11	205,732	16	6	...	...	...	205,732	16	6	328,108	17	8
22. Tyrell West	170,080	6	2	27,736	11	7	2,623	1	0	2,735	3	6	33,094	15	6	293,185	1	8	80,036	8	3	0	2	9	80,036	11	0	383,221	12	8
23. Upper Western	50,353	0	1	2,449	3	7	242	10	9	582	2	5	3,273	16	9	53,626	16	10	58,125	10	0	0	1	7	58,125	11	7	113,858	8	5
24. Upper Winnemera	70,223	11	7	4,017	14	10	694	18	7	1,287	10	7	6,090	4	0	76,223	15	7	118,297	0	5	2,508	7	9	120,745	8	2	193,407	14	2
25. Walpeup West	29,392	5	6	740	5	10	...	...	...	245	5	3	985	11	1	30,317	16	7	21,698	18	0	...	...	...	21,698	18	0	34,516	14	7
26. Wycheproof	123,132	10	9	2,688	16	11	613	10	6	926	10	9	4,228	18	2	127,361	0	9	113,139	4	0	3,058	12	6	116,197	16	10	244,341	5	5
27. Yelra	10,848	10	9	203	2	1	313	8	0	97	8	10	615	18	11	11,584	9	8	3,898	17	10	...	...	...	3,898	17	10	13,483	7	6
Totals	1,612,212	8	0	111,476	16	8	27,451	2	7	18,442	16	0	157,370	15	3	1,769,953	3	3	1,326,932	14	8	7,203	10	3	1,334,136	4	11	3,122,245	18	8
Grand Totals	2,007,213	18	11	126,501	12	1	32,146	16	11	25,499	16	0	184,148	5	0	2,191,782	3	11	1,904,790	13	6	33,959	3	8	1,998,749	17	2	4,230,197	1	1

URBAN DISTRICTS.

STATEMENT of Moneys received from 1st May, 1906, to 30th June, 1942.

RECEIPTS.

District.	1st May, 1906, to 30th June, 1941.	1941-42.				Grand Total at 30th June, 1942.				
		Rates.		Water Sales.			Interest and Miscellaneous.		Total.	
		£	s. d.	£	s. d.		£	s. d.	£	s. d.
1. Allansford	54 10 5	4 3 1	20 12 7	79 6 1	79 6 1			
2. Antwerp	..	973 3 9	62 7 2	15 10 0	6 1 5	83 18 7	1,057 2 4			
3. Barwon Heads and Ocean Grove	..	14,220 2 4	1,633 13 7	274 4 9	40 4 7	1,948 2 11	16,168 5 3			
4. Berrivillock	..	6,561 18 2	238 17 8	60 12 8	17 1 4	316 11 8	6,878 9 10			
5. Berwick	..	12,843	773 16 1	279 7 2	70 6 3	1,123 9 6	13,966 11 3			
6. Birchip	..	30,100 12 8	537 8 7	388 14 10	63 12 1	989 15 6	31,090 8 2			
7. Brim	5,016 14 6	196 1 9	57 9 0	25 0 9	278 11 6	5,295 6 0			
8. Bunyip	..	4,066 5 5	357 0 0	63 5 4	21 7 2	441 12 6	4,507 17 11			
9. Camperdown	..	12,914 3 7	4,613 5 6	626 1 7	319 12 5	5,558 19 6	18,473 3 1			
10. Carrum	..	128,782 13 6	7,509 6 5	777 9 6	438 1 2	8,724 17 1	137,507 10 7			
11. Chillingollah	..	2,264 2 4	48 16 2	52 11 9	1 4 0	102 11 11	2,366 14 3			
12. Cobden	..	3,071 7 5	1,334 5 2	65 3 3	109 11 2	1,508 19 7	4,580 7 0			
13. Cranbourne	..	10,047 3 4	372 2 4	175 6 7	12 15 2	564 9 9	10,611 13 1			
14. Crib Point	..	6,125 4 5	607 0 1	34 10 0	11 3 11	654 5 3	6,779 9 8			
15. Culgoa	7,374 7 1	214 4 5	131 8 6	11 3 11	356 16 10	7,731 3 11			
16. Dandenong	..	99,531 13 8	5,096 1 2	1,203 0 7	367 8 11	6,666 10 8	106,198 4 4			
17. Dimboola	..	55,727 12 7	1,518 11 2	740 1 10	130 0 8	2,388 13 8	58,116 6 3			
18. Doon	398 11 0	16 15 0	32 12 6	..	49 7 6	447 18 6			
19. Dromana—Portsea	..	660 16 8	8,755 9 1	42 8 10	64 15 2	8,862 13 1	9,523 9 9			
20. Frankston	..	88,701 3 4	5,347 17 2	1,139 9 10	318 11 9	6,805 18 9	95,507 2 1			
21. Garfield	..	3,263 9 3	388 11 2	36 1 1	45 14 10	470 7 1	3,733 16 4			
22. Hastings	..	5,364 17 2	411 1 3	50 3 0	13 11 11	474 16 2	5,839 13 4			
23. Hicksborough	..	971 16 0	97 9 10	3 15 0	6 9 8	107 14 6	1,079 10 6			
24. Hoptoun	..	21,886 13 11	930 10 0	198 5 9	64 15 0	1,193 10 9	23,080 4 8			
25. Jeparit	..	23,664 3 10	964 2 3	121 15 3	29 13 0	1,115 10 6	24,779 14 4			
26. Lalbert	..	5,577 0 7	262 15 3	147 16 0	16 1 0	426 12 3	6,003 12 10			
27. Lascelles	..	4,632 2 4	147 10 10	42 14 7	11 5 2	201 10 7	4,833 12 11			
28. Longwarry	..	5,038 7 1	322 8 2	131 1 4	16 11 8	470 1 2	5,508 8 3			
29. Manangatang	..	9,532 9 4	384 13 11	128 2 0	19 10 5	532 6 4	10,064 15 8			
30. Marroo	..	5,465 2 11	208 5 7	84 14 6	5 15 6	298 15 7	5,763 18 6			
31. Merbein	..	28,006 2 11	1,605 1 10	127 17 11	149 6 4	1,882 6 1	29,888 9 0			
32. Minyip	24,053 5 9	731 11 6	106 10 1	83 4 11	921 6 6	24,974 12 3			
33. Morrongton	..	69,705 2 8	3,678 15 5	3,984 2 8	180 18 1	7,843 16 2	77,548 18 10			
34. Natimuk	..	15,593 1 11	285 8 3	160 18 2	51 17 1	498 3 6	16,091 5 5			
35. Newstead	..	4,328 6 1	519 13 1	39 4 0	24 15 11	583 13 0	4,911 19 1			
36. North Wonthaggi	..	5,664 18 1	431 11 5	2 10 0	44 7 1	478 8 6	6,143 6 7			
37. Nullawil	..	3,571 4 2	146 13 3	18 11 6	6 10 7	171 15 4	3,742 19 6			
38. Nyah	2,191 12 9	163 18 10	39 7 0	9 8 9	212 14 7	2,404 7 4			

URBAN DISTRICTS.

STATEMENT of Moneys disbursed from 1st May, 1906, to 30th June, 1942; and of Interest charged at the rate of 3.929 per cent. on Capital Debits: and also of Depreciation and Redemption charged as at 30th June, 1942 (Free Headworks excluded).

DISBURSEMENTS AND INTEREST, DEPRECIATION, AND REDEMPTION CHARGED.

District.	1st May, 1906, to 30th June, 1941.	Disbursements.						Interest Charged.						Depreciation Charges (See page 65.)	Redemption Paid to— (A) Redemption Funds; (B) Revenue.		Grand Total at 30th June, 1942.					
		1941-42.						1st May, 1906, to 30th June, 1941.							Total at 30th June, 1942.							
		Repairs and Maintenance.		Water Distribution.		Administration.		Total.		Rural Water.		Total at 30th June, 1942.			1st July, 1941, to 30th June, 1942.			Total at 30th June, 1942.				
£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.		
1. Alford	22	2	11	..	4	2	11	26	5	10	383	15	10	4,437	14	5	886	13	1	9,288	4	6
2. Antwerp	13	10	10	..	14	3	11	27	14	9	..	0	0	3,138	9	6	76	8	8	3,483	10	11
3. Barrow Heads and Ocean Grove	277	10	4	26	19	3	164	1	1	468	10	8	..	0	0	384	19	2	9,076	14	10	
4. Berryllock	22	15	5	27	9	7	38	2	8	88	7	8	29	0	0	360	10	4	13,001	19	1	
5. Berwick	2,668	7	1	156	6	6	18	15	3	789	15	7	185	0	0	66	3	10	..	..	..
6. Birchup	14,654	4	1	142	17	4	406	16	11	..	..	..	..	..	..	..	..	..	..	..	..
7. Brin	34	17	10	4	10	0	34	19	9	74	7	7	35	0	0	77	6	9	3,054	17	2	
8. Buxip	1,878	7	8	56	10	6	74	16	6	131	7	0	..	..	..	2,718	10	5	3,726	13	1
9. Camptown	1,405	17	9	261	15	6	344	2	3	624	2	3	..	..	..	6,205	11	7	9,400	4	5
10. Carrum	29,939	19	9	1,545	6	5	1,257	12	7	2,807	1	1	97,744	2	2	97,744	2	2	99,400	4	5	
11. Chillingham	1,157	8	5	37	13	4	20	11	1	75	2	5	40	0	0	16	13	0	1,807	6	1	
12. Colburn	555	9	6	110	12	4	133	8	9	250	13	8	..	..	..	1,790	13	1	2,603	19	9
13. Cranbourne	1,729	8	10	42	17	5	56	10	7	99	8	5	..	..	..	1,640	9	10	963	9	8
14. Crisp Point	1,410	0	8	77	15	8	81	10	9	159	6	5	..	..	..	8,115	10	7	140	9	10
15. Culroa	2,827	7	7	46	7	1	38	10	4	93	6	7	29	0	0	3,799	15	5	254	5	5	
16. Dandenong	21,079	13	1	1,024	19	1	836	8	5	1,881	7	6	..	..	..	4,267	16	0	4,054	0	0
17. Dumboka	20,569	10	3	340	14	2	325	16	6	702	17	8	340	0	0	72,277	12	6	74,383	8	8	
18. Doon	201	13	4	2	17	3	3	3	4	6	0	7	6	0	0	213	13	11	703	5	0	
19. Drummond-Portsea	1,391	7	8	1,320	15	2	973	19	5	2,294	14	7	..	..	..	261	19	8	261	19	8
20. Frankston	15,568	1	5	381	13	7	632	8	11	1,234	2	6	..	..	..	778	4	6	3,880	15	7
21. Garfield	762	18	3	54	2	5	106	11	0	159	1	3	..	..	..	63,596	1	5	70,013	3	8
22. Hastings	1,346	13	4	85	9	3	73	12	0	159	1	3	..	..	..	2,466	17	3	2,405	5	10
23. Hidesborough	338	14	10	18	5	0	5	8	6	23	13	6	..	..	..	3,687	7	5	3,727	15	2
24. Hopton	12,202	4	7	74	12	0	263	19	11	588	18	11	204	0	0	9,471	19	1	453	8	8	
25. Jeparit	5,177	17	10	123	6	0	165	13	3	288	19	3	175	0	0	16,715	0	7	9,550	9	4	
26. Lalbert	1,517	18	9	97	18	5	56	17	1	154	15	6	28	0	0	3,630	14	9	17,239	12	10	
27. Lascelles	2,227	10	10	62	15	0	48	8	4	144	18	3	25	0	0	2,535	13	10	800	0	0	
28. Longwarry	2,736	14	15	55	8	11	75	0	0	128	8	11	113	0	0	2,535	13	10	149	4	1	
29. Manangatang	2,730	13	5	142	9	1	73	6	0	215	15	1	..	..	..	3,035	12	4	3,16	8	2
30. Maribee	1,045	16	3	33	13	11	41	5	4	76	19	3	..	..	..	5,368	1	0	3,497	8	2
31. Merburn	13,072	1	9	408	18	4	233	6	4	1,047	11	1	23	0	0	3,433	13	0	5,504	3	8	
32. Murrumbidgee	7,790	19	9	97	15	8	161	2	1	401	4	5	58	0	0	14,119	12	0	7,332	4	5	
33. Murrumbidgee	11,842	17	3	535	3	0	812	6	11	1,605	8	1	..	..	..	14,531	14	2	1,121	0	0
34. Nattimuk	3,987	2	10	39	14	5	83	6	4	125	0	9	35	0	0	48,906	14	1	51,424	9	3	
35. Newstead	1,485	4	8	185	6	0	102	10	5	302	12	1	..	..	..	2,120	3	8	10,487	14	0
36. North Wonthaggi	2,175	3	5	175	7	3	34	5	0	209	12	3	..	..	..	2,384	15	8	2,051	16	0
37. Nulaw	1,048	11	4	20	11	7	29	16	4	94	1	1	22	0	0	2,506	4	5	2,365	14	5	
38. Nyal	1,121	6	6	11	4	5	64	6	5	123	12	3	60	0	0	1,230	9	4	187	0	0	
39. Ouyen	18,214	19	5	236	7	7	68	13	5	1,233	14	3	807	0	0	2,100	3	11	2,244	7	6	
40. Pakenham	2,333	11	9	135	16	6	107	12	4	246	8	10	42	0	0	10,000	8	7	10,517	18	11	
41. Pyramid Hill	3,729	15	11	169	8	5	30	15	2	336	0	1	42	0	0	4,459	2	6	4,062	5	9	
42. Quambatook	2,400	1	3	57	10	7	166	15	6	334	14	6	74	0	0	1,573	6	0	1,704	19	7	

43. Queenscliff and Point Lonsdale ..	7,905	1 10	694	5 9	..	281	0 7	975	6 4	202	0 0	8,880	8 2	18,538	17 1	1,650	6 0	20,189	3 1	2,570	0 0	(B)	364	1 10	32,003	13 1	
44. Rainbow ..	5,672	3 5	54	19 9	..	154	8 2	209	7 11	..	..	6,083	11 4	19,365	8 9	451	16 0	19,817	4 9	1,321	0 0	(A)	800	0 0	28,150	12 1
45. Rapunyp ..	7,317	2 1	100	18 7	105	19 3	142	17 3	349	15 1	49	0 0	7,715	17 2	12,611	16 11	423	0 6	13,035	6 5	914	0 0	(A)	400	0 0	22,140	10 4
46. Sea Lake ..	11,436	4 4	80	10 11	193	14 2	201	16 4	476	1 5	125	0 0	12,037	5 9	10,753	12 6	304	3 11	11,057	16 5	1,709	0 0	(B)	75	6 9	24,971	14 5
47. Somerville ..	912	1 1	25	0 7	..	34	12 4	59	12 11	..	..	972	4 0	4,150	7 10	298	4 8	4,448	12 6	2,285	0 0	(B)	67	6 6	5,783	3 0
48. South Frankston ..	5,073	5 2	186	2 4	31	8 7	422	13 3	422	13 3	..	5,495	18 5	20,069	19 11	1,820	6 6	21,881	6 3	2,060	0 0	(B)	348	19 4	29,786	4 2	
49. Spring Vale ..	10,577	15 4	642	3 1	..	800	4 6	1,442	7 7	..	..	12,029	2 11	35,115	11 11	4,955	2 2	40,070	14 1	4,325	0 0	(B)	852	2 7	57,267	19 2
50. Terang ..	1,230	1 11	255	18 5	17	17 6	282	1 11	555	17 10	..	1,785	19 9	4,308	11 2	2,254	14 5	6,563	5 7	1,436	0 0	(B)	416	10 10	10,201	16 2	
51. Torquay ..	2,370	0 7	202	16 11	10	7 11	136	9 9	349	14 7	..	2,919	15 2	4,030	15 11	1,284	17 5	4,159	13 4	485	0 0	(B)	23	16 3	7,588	4 9	
52. Watchem ..	3,085	4 3	61	11 5	18	9 3	44	18 3	344	18 11	42	0 0	3,272	3 2	5,594	16 10	108	19 6	5,703	16 4	416	0 0	(B)	27	17 4	9,419	16 10
53. Waltham ..	34,681	15 5	1,142	17 7	1,124	4 6	769	0 5	3,036	2 6	..	37,717	17 11	66,708	0 7	624	12 0	67,332	12 7	7,820	0 0	(A)	9,000	0 0	121,990	6 1	
54. Woonthaggi ..	6,470	14 2	92	13 3	19	8 8	83	2 9	195	4 8	104	0 0	6,769	18 10	11,971	4 11	115	11 4	12,086	16 3	838	0 0	(B)	119	15 7	19,924	5 7
55. Woornen ..	927	7 2	35	2 7	..	32	5 1	67	7 8	31	0 0	1,025	14 10	1,267	8 2	78	6 4	1,345	14 6	216	0 0	(B)	29	10 6	2,394	5 7	
56. Wychepp ..	12,812	16 0	125	7 2	271	18 9	197	19 4	595	5 3	185	0 0	13,593	1 3	10,762	6 8	88	8 9	10,850	15 5	1,630	0 0	(B)	10	18 11	26,084	15 7
57. Yaapeet ..	694	12 8	31	4 8	..	48	14 10	20	0 0	763	7 6	945	16 11	946	6 8	350	0 0	(B)	2,059	14 9
Totals ..	342,404	15 3	12,612	14 6	4,602	8 6	11,844	16 10	29,059	19 10	3,118	0 0	374,582	15 1	735,930	3 8	38,860	9 9	774,790	13 5	83,277	12 5	(A)	14,054	0 0	1,256,021	18 1
																						(B)	9,316	17 2			

The Districts set out hereunder 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 Orders in Council, dated 30th July, 1938, and 9th December, 1940, respectively, under the provisions of Section 6, *Water Act* 1937, No. 513.)

58. Anglesea ..	1,750	10 5	184	16 0	11	2 10	103	8 10	299	7 8	106	0 0	1,058	18 1	2,248	11 10	5	4 5	2,253	16 3	280	0 0	(B)	1	1 2	4,293	15 6
59. Benliah ..	7,421	8 1	69	19 4	163	8 10	116	5 1	349	13 3	..	..	871	1 4	7,552	11 1	80	0 10	7,632	11 11	273	0 0	(B)	5	3 8	15,781	15 11
60. Bittern ..	535	12 6	27	7 1	..	..	42	1 10	69	8 11	16	0 0	665	1 5	1,793	9 4	29	9 4	1,793	9 4	170	0 0	(B)	..	..	2,370	8 3
61. Carwar ..	372	12 6	14	15 7	..	..	9	19 5	24	15 0	..	..	413	7 6	273	16 5	..	..	273	16 5	318	0 0	(B)	..	..	878	19 3
62. Chinkapook ..	1,144	14 11	39	16 6	35	12 5	29	7 8	104	16 7	44	0 0	1,293	11 6	1,306	10 3	..	..	1,306	10 3	415	0 0	(B)	..	..	2,918	1 9
63. Drysdale ..	1,334	13 7	154	5 1	16	3 1	71	3 4	241	11 6	15	0 0	1,576	5 1	1,440	11 1	34	8 11	1,475	0 0	208	7 11	(A)	5	11 4	5,471	16 5
64. Jung Jung ..	2,406	2 4	28	18 2	37	4 0	35	0 0	101	2 2	15	0 0	2,522	4 6	1,043	1 0	..	..	1,043	1 0	362	10 6	(A)	130	0 0	4,373	16 1
65. Koondrook ..	7,430	6 1	76	12 6	290	8 5	421	4 9	488	5 8	79	0 0	7,997	11 9	4,540	11 11	..	..	4,542	18 1	205	0 0	(A)	..	..	12,903	0 4
66. Lake Boga ..	6,154	13 6	23	17 11	243	9 7	127	15 4	395	2 16	36	0 0	6,628	16 4	4,552	6 5	..	..	4,552	6 5	202	0 0	(A)	..	..	11,556	2 9
67. Meringur ..	795	3 7	21	0 2	7	5 7	21	3 6	49	9 3	36	0 0	880	12 10	874	4 10	..	..	874	4 10	1,004	2 0	(B)	..	..	1,957	1 9
68. Nandaly ..	819	11 6	47	17 11	2	3 8	36	14 3	86	15 19	..	..	5,528	5 0	1,004	2 0	..	..	1,004	2 0	252	0 0	(B)	..	..	2,204	9 4
69. Nyah West ..	3,161	7 1	18	15 7	66	5 3	104	17 1	189	17 11	177	0 0	996	7 6	1,379	12 3	..	..	1,379	12 3	361	0 0	(B)	..	..	12,987	15 3
70. Patchewollock ..	878	12 2	22	16 1	..	..	34	19 3	57	15 4	60	0 0	2,694	10 9	3,531	2 2	..	..	3,533	5 2	864	17 4	(B)	..	..	6,280	3 9
71. Paring ..	3,105	8 10	186	13 5	68	14 10	121	12 8	333	3 10	31	0 0	3,467	12 8	2,908	15 0	11	9 5	3,533	5 2	665	8 7	(A)	..	..	7,865	15 2
72. Portarlington ..	2,325	12 2	230	13 5	16	12 6	25	14 3	103	1 9	33	0 0	2,694	10 9	2,908	15 0	..	..	2,920	4 5	665	8 7	(B)	..	..	6,280	3 9
73. Speed ..	918	19 10	77	7 6	..	..	25	14 3	103	1 9	33	0 0	1,055	1 7	1,131	2 2	..	..	1,131	2 2	396	12 7	(A)	..	..	2,014	19 10
74. Tempy ..	929	5 1	63	6 8	..	..	25	4 6	88	11 2	47	0 0	1,064	16 3	1,042	15 0	..	..	1,042	16 4	378	0 0	(B)	..	..	2,504	5 2
75. Ultima ..	4,758	17 0	128	1 0	14	8 1	91	5 9	233	14 10	95	0 0	5,087	11 10	6,808	10 4	..	..	6,808	10 4	378	0 0	(B)	..	..	12,274	3 7
76. Waitchie ..	938	15 4	29	18 5	..	..	15	12 5	45	10 10	40	0 0	1,024	6 2	1,198	15 7	..	..	1,198	15 7	65	0 0	(B)	..	..	2,601	4 8
77. Walpeup ..	775	7 5	31	4 1	6	19 6	18	19 4	67	2 11	80	0 0	922	10 4	386	0 1	..	..	386	0 1	65	0 0	(B)	6	1 6	1,379	11 10
78. Werrinull ..	1,973	1 11	38	7 3	21	9 7	49	2 9	108	19 7	50	0 0	2,132	1 6	2,365	2 0	..	..	2,365	2 0	575	0 0	(B)	3	3 6	5,075	7 0
Totals ..	51,937	15 10	1,516	9 4	1,001	8 2	1,289	7 11	3,807	5 5	1,024	0 0	56,769	1 3	54,053	9 8	172	11 5	54,226	1 1	8,342	5 4	(A)	130	0 0	119,510	7 0
																						(B)	22	19 4			

Grand Totals ..

	594,342	11 1	14,129	3 10	5,693	16 8	13,134	4 9	32,867	5 3	4,142	0 0	431,351	16 4	789,983	13 4	39,033	1 2	829,016	14 6	91,019	17 9	(A)	14,204	0 0	1,375,352	5 1
																						(B)	9,339	16 6			

The Districts set out hereunder 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 Orders in Council, dated 30th July, 1938, and 9th December, 1940, respectively, under the provisions of Section 6, *Water Act* 1937, No. 4513.)

URBAN DIVISIONS.
STATEMENT of Moneys received from 1st May, 1906, to 30th June, 1942.
RECEIPTS.

Division.	1st May, 1906, to 30th June, 1941.	1941-42.				Grand Total at 30th June, 1942.
		Rates.	Water Sales.	Interest and Miscellaneous.	Total.	
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
1. Bacchus Marsh ..	46,605 7 0	1,356 12 3	619 13 7	13 8 0	1,989 13 10	48,595 0 10
2. Cohuna ..	23,449 7 4	1,039 13 9	195 1 8	140 6 1	1,375 1 6	24,824 8 10
3. Dingee ..	1,421 11 0	97 15 4	9 0 0	3 8 3	110 3 7	1,531 14 7
4. Leithville ..	6,139 9 8	426 8 5	128 10 10	22 12 3	577 11 6	6,717 1 2
5. Lookington ..	4,947 11 8	251 4 3	13 12 0	20 11 0	285 7 3	5,232 18 11
6. Red Cliffs ..	29,724 8 6	2,075 4 0	365 4 6	205 12 6	2,646 1 0	32,370 9 6
7. Stanhope ..	3,991 1 10	295 7 11	164 4 0	10 12 8	470 4 7	4,461 6 5
Totals ..	116,278 17 0	5,542 5 11	1,495 6 7	416 10 9	7,454 3 3	123,733 0 3
8. Corep ..	867 17 4	32 8 1	..	4 7 2	36 15 3	904 12 7
9. Heyfield ..	5,613 9 9	563 8 1	..	12 15 0	576 3 1	6,189 12 10
10. Murrabit ..	765 15 11	49 8 6	14 0 0	0 2 4	63 10 10	829 6 9
Totals ..	7,247 3 0	645 4 8	14 0 0	17 4 6	676 9 2	7,923 12 2
Grand Totals ..	123,526 0 0	6,187 10 7	1,509 6 7	433 15 3	8,130 12 5	131,656 12 5

The Divisions set out hereunder 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.)

URBAN DIVISIONS.

STATEMENT of Moneys disbursed from 1st May, 1906, to 30th June, 1942; and of Interest charged at the rate of 3·929 per cent. on Capital Debts; and also of Depreciation and Redemption charged as at 30th June, 1942 (Free Headworks excluded).

DISBURSEMENTS AND INTEREST, DEPRECIATION, AND REDEMPTION CHARGED.

Division.	1st May, 1906, to 30th June, 1941.	Disbursements.						Interest.			Depreciation Charges. (See page 64.)	Redemption Paid to— (A) Redemption Funds, (B) Revenue.		Grand Total at 30th June, 1942.			
		1941-42.						Total at 30th June, 1942.				Total at 30th June, 1942.					
		Repairs and Maintenance.		Water Distribution.		Administration.		Total.		Rural Water.		1st May, 1906, to 30th June, 1941.			1st July, 1941, to 30th June, 1942.		
		£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.
1. Bacchus Marsh	12,425 9 11	175 5 4	...	194 2 5	369 7 9	545 0 0	13,339 17 8	32,707 5 6	550 4 10	1,066 0 0	{(A) 250 0 0 (B) 117 9 0}	48,030 17 0					
2. Cohuna	7,543 6 6	85 15 5	337 1 8	263 8 8	686 5 9	51 0 0	8,280 12 3	13,771 9 8	355 12 0	1,224 13 4	{(A) 350 0 0 (B) 112 4 1}	24,004 11 4					
3. Dungee	598 2 6	1 11 10	19 6 8	12 10 5	33 8 11	5 0 0	636 11 5	744 0 5	...	196 0 0	...	1,576 11 10					
4. Leitchville	3,040 18 11	44 9 10	125 16 1	160 6 5	330 12 4	25 0 0	3,396 11 3	2,375 10 0	57 15 6	477 0 0	(B) 29 5 4	6,327 2 1					
5. Lockington	1,270 4 6	8 10 4	23 17 5	32 8 7	64 16 4	15 0 0	1,350 0 10	2,671 11 7	88 13 1	710 0 0	(B) 27 16 9	4,848 2 3					
6. Red Cliffs	13,662 10 5	219 3 0	726 14 1	336 19 10	1,282 16 11	...	14,945 7 4	12,234 3 1	651 7 0	1,785 0 0	(B) 183 2 5	29,798 19 10					
7. Stanhope	1,290 3 11	1 13 4	49 17 0	30 11 1	82 1 5	20 0 0	1,362 5 4	1,741 19 3	56 19 7	463 0 0	(B) 17 11 2	3,641 15 4					
Totals ..	39,800 16 8	536 9 1	1,282 12 11	1,030 7 5	2,849 9 5	661 0 0	43,311 6 1	66,245 19 6	1,760 12 0	5,921 13 4	{(A) 600 0 0 (B) 478 8 9}	118,317 19 8					
The Divisions set out hereunder 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, <i>Water Act</i> , 1937, No. 4513.)																	
8. Corop	423 7 6	...	...	7 3 4	7 3 4	3 0 0	433 10 10	419 12 10	...	90 0 0	...	943 3 8			
9. Heyfield	3,076 16 3	128 15 8	126 2 10	135 9 4	390 7 10	100 0 0	3,567 4 1	2,178 18 0	...	573 16 5	...	6,319 18 6					
10. Murrabit	572 1 3	102 8 1	113 11 5	47 19 11	263 19 5	5 0 0	841 0 8	337 10 0	...	25 10 3	...	1,204 0 11					
Totals ..	4,072 5 0	231 3 9	239 14 3	190 12 7	661 10 7	108 0 0	4,841 15 7	2,936 0 10	...	689 6 8	...	8,467 3 1					
Grand Totals	43,873 1 8	767 12 10	1,522 7 2	1,221 0 0	3,511 0 0	769 0 0	48,153 1 8	69,182 0 4	1,760 12 0	6,611 0 0	{(A) 600 0 0 (B) 478 8 9}	126,785 2 9					

DRAINAGE DISTRICTS.

STATEMENT of Moneys received and disbursed from 1st July, 1937, to 30th June, 1942; and of Depreciation charged as at 30th June, 1942.

RECEIPTS.

District	1st January, 1938, to 30th June, 1941.	1941-42.						Grand Total at 30th June, 1942
		Water Act, No. 4740, Section 3.		Rates.	Interest and Miscellaneous.	Total.		
		Instalments of Consolidated Arrears.	Interest.					
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	
1. Carrum ..	5,232 6 9	71 9 3	.. 5 4	1,580 19 4	28 16 11	1,609 16 3	1,609 16 3	
2. Cohuna ..	2,953 14 9	113 16 1	0 8 9	1,608 8 1	9 10 10	1,689 13 6	6,922 0 3	
3. Kerang East ..	2,397 13 8	105 4 3	1 2 3	830 3 7	4 18 6	949 6 11	3,903 1 8	
4. Maffra-Sale ..	5,511 17 8	69 1 11	..	1,322 0 5	8 5 1	1,436 12 0	3,834 5 8	
5. Merbein ..	9,138 5 10	145 1 11	..	1,603 16 3	0 7 9	1,673 5 11	7,185 3 7	
6. Red Cliffs ..	4,560 13 7	292 0 11	1 19 10	2,708 3 7	18 19 1	2,872 4 7	12,010 10 5	
7. Rochester ..	1,726 3 5	125 4 10	1 17 4	1,625 2 0	18 17 8	1,938 0 5	6,498 14 0	
8. Rodney ..	8,316 5 10	187 7 3	0 9 1	909 16 7	15 12 5	1,052 11 2	2,778 14 7	
9. Shepparton ..	6,319 10 3	1,037 9 8	3 19 0	2,851 9 0	25 7 7	3,064 12 11	11,380 18 9	
10. Tongala-Stanhope ..	2,184 4 8	11 14 5	0 8 9	3,084 13 11	53 2 11	4,179 5 6	10,498 15 9	
11. Werribee ..	560 13 1	..	..	680 1 0	5 9 0	697 13 2	2,881 17 10
12. Woornen ..	..	..	..	615 17 0	2 0 3	617 17 3	1,178 10 4
Totals	48,901 9 6	2,158 10 6	10 10 4	19,420 10 9	191 8 0	21,780 19 7	70,682 9 1	

DISBURSEMENTS.

District.	1st July, 1937, to 30th June, 1941.	1941-42.						Total at 30th June, 1942.	Depreciation Charges. (See page 64.)	Grand Total at 30th June, 1942.
		Repairs and Maintenance.		Administration.		Total.				
		£	s. d.	£	s. d.	£	s. d.			
1. Carrum ..	5,486 14 10	797	2 3	767	5 1	1,564	7 4	1,564	7 4	7,362 18 5
2. Cohuna ..	4,291 6 1	1,304	3 6	572	0 1	1,876	3 7	7,362	18 5	5,520 12 5
3. Kerang East ..	4,567 3 9	844	10 6	384	15 10	1,229	6 4	5,520	12 5	6,339 10 7
4. Maffra-Sale ..	4,297 18 8	1,331	3 10	441	3 0	1,772	6 10	6,339	10 7	7,817 19 1
5. Merbein ..	5,904 2 8	828	19 4	283	1 1	1,112	0 5	5,409	19 1	11,719 18 2
6. Red Cliffs ..	6,597 16 0	1,410	15 10	448	19 8	1,859	15 6	7,763	18 2	8,624 10 10
7. Rochester ..	3,406 11 8	1,527	0 2	499	14 8	2,026	14 10	8,624	10 10	4,296 6 6
8. Rodney ..	9,254 2 10	656	3 2	233	11 8	889	14 10	4,296	6 6	12,786 15 11
9. Shepparton ..	10,712 13 11	2,750	12 11	782	0 2	3,532	13 1	12,786	15 11	13,966 0 9
10. Tongala-Stanhope ..	1,738 3 2	2,476	8 10	776	18 0	3,253	6 10	13,966	0 9	2,324 0 7
11. Werribee ..	227 4 7	446	15 1	139	2 4	585	17 5	2,324	0 7	1,083 6 6
12. Woornen ..		268	18 6	161	3 5	430	1 11	426	0 0	
Totals	56,483 18 2	14,642	13 11	5,489	15 0	20,132	8 11	6,790	0 0	83,406 7 1

STATEMENT OF REVENUE SETTING OUT ARREARS AS AT 1ST JULY, 1941, AND AS AT 30TH JUNE, 1942, RESPECTIVELY.

	Total.	Water Act 1940, No. 4740, Sec. 3.		General Rate.		Irrigation Charge.		Drainage Rate.		Flood Protection Charge.		Sales of Water.		Meter Rent.	Miscellaneous.
		Consolidated Arrears.	Interest.	Rate.	Interest.	Charge.	Interest.	Rate.	Interest.	Charge.	Interest.	Sales.	Interest.		
	£	£	£	£	£	£	£	£	£	£	£	£	£	£	£
Arrears at 1st July, 1941 ..	620,846	405,226	2,281	97,165	6,822	38,680	1,430	4,989	404	2,662	92	51,776	56	1,144	8,119
Assessments, 1941-42 ..	526,383	..	..	283,305	..	214,524	..	20,532	..	8,022	..	..	..	..	..
Additional Water Sales, Meter Rents and Interest Charges to 30th June, 1942 ..	163,597	..	5,359	..	6,572	..	2,425	..	311	..	175	114,792	89	5,510	28,364
Total Amount Collectable, 1941-42 ..	1,310,826	405,226	7,640	380,470	13,394	253,204	3,855	25,521	715	10,684	267	166,568	145	6,654	36,483
Deduct—															
(i) Revenue Collected, 1941-42	693,519	31,437	374	263,143	3,551	206,559	1,041	19,421	175	7,972	94	125,244	35	5,537	28,336
(ii) Credits Absorbed ..	1,718	1	..	279	..	261	..	54	..	22	..	139	..	12	950
Balance ..	615,589	373,788	7,266	117,048	9,843	46,384	2,214	6,046	540	2,690	173	41,185	110	1,105	7,197
Add—Amounts Overpaid ..	1,922	..	..	197	..	141	..	16	..	7	..	171	..	22	1,368
Total = Gross Arrears at 30th June, 1942 ..	617,511	373,788	7,266	117,245	9,843	46,525	2,214	6,062	540	2,697	173	41,356	110	1,127	8,565
Deduct—Amounts Recommended for Writing Off, 1941-42 ..	14,634	3,704	418	5,147	209	2,298	100	88	3	150	19	927	2	58	1,511
Balance = Net Arrears as at 30th June, 1942 ..	602,877	370,084	6,848	112,098	9,634	44,227	2,114	5,974	537	2,547	154	40,429	108	1,069	7,054

This Statement is subject to Audit and minor adjustments.

WATER SUPPLY WORKS DEPRECIATION ACCOUNTS AS AT 30TH JUNE, 1942.

District.	Balance at 1st July, 1941.	Amounts Paid into Account 1941-42.	Interest Credited 1941-42.	Total.	Expenditure 1941-42.	Balance in Account at 30th June, 1942.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
IRRIGATION AND WATER SUPPLY DISTRICTS.						
Bacchus Marsh	55 12 5	36 0 0	1 7 10	93 0 3	..	93 0 3
Boort	112 19 1	*38 0 0	2 16 6	153 15 7	..	153 15 7
Calivil	53 19 5	13 0 0	1 7 0	68 6 5	..	68 6 5
Cohuna	204 10 11	*7 10 5	5 9	212 7 1	..	212 7 1
Dingee	41 16 8	10 0 0	1 0 11	52 17 7	..	52 17 7
Katandra	49 16 5	12 0 0	1 4 11	63 1 4	..	63 1 4
Kerang .. ..	..	*28 2 10	..	28 2 10	..	28 2 10
Maffra-Sale	547 10 5	*161 16 6	13 13 9	723 0 8	..	723 0 8
Merbein	9,382 10 4	843 4 4	231 9 6	10,457 4 2	..	10,457 4 2
Murray Valley	29 8 4	..	14 8	30 3 0	..	30 3 0
North Shepparton	107 3 5	26 0 0	2 13 6	135 16 11	..	135 16 11
Nyah	1,191 1 5	1,773 10 5	29 15 6	2,994 7 4	..	2,994 7 4
Red Cliffs	26,880 4 4	13,653 18 10	614 19 9	41,149 2 11	215 18 1	40,933 4 10
Rochester	487 3 6	*150 18 7	12 3 6	650 5 7	..	650 5 7
Rodney	531 8 7	*179 8 1	13 5 8	724 2 4	..	724 2 4
Shepparton	195 2 8	*94 15 9	4 17 6	294 15 11	..	294 15 11
South Shepparton	31 10 4	20 0 0	15 9	52 6 1	..	52 6 1
Swan Hill	1,928 15 0	*461 6 4	35 11 2	2,425 12 6	..	2,425 12 6
Tongala-Stanhope	439 16 0	*156 2 7	11 0 0	606 18 7	..	606 18 7
Tragowel Plains	282 4 2	69 0 0	7 1 1	358 5 3	..	358 5 3
Tresco .. ..	..	..	..	..	..	..
Werribee	305 8 0	164 0 0	7 12 8	477 0 8	..	477 0 8
Totals	42,858 1 5	*17,898 14 8	993 16 11	61,750 13 0	215 18 1	61,534 14 11

* Includes contributions paid direct to fund—Boort, £11; Cohuna, £7 10s. 5d.; Kerang, £28 2s. 10d.; Maffra-Sale, £31 16s. 6d.; Rochester, £33 18s. 7d.; Rodney, £51 8s. 1d.; Shepparton, £47 15s. 9d.; Swan Hill, £121 6s. 4d.; Tongala-Stanhope, £50 2s. 7d.

URBAN DIVISIONS OF IRRIGATION AND WATER SUPPLY DISTRICTS.

Bacchus Marsh	523 2 6	126 0 0	13 1 6	662 4 0	..	662 4 0
Cohuna	245 2 0	99 0 0	6 2 6	350 4 6	..	350 4 6
Corop	25 2 0	6 0 0	12 6	31 14 6	..	31 14 6
Dingee	65 10 9	14 0 0	1 9 3	81 0 0	..	81 0 0
Heyfield	437 18 9	85 15 3	10 19 0	534 13 0	..	534 13 0
Leitchville	225 3 4	45 0 0	4 13 5	274 16 9	..	274 16 9
Lockington	136 18 4	61 0 0	2 12 11	200 11 3	31 2 0	169 9 3
Murrabit	27 1 4	..	..	27 1 4	27 1 4	..
Red Cliffs	485 12 6	193 0 0	15 11 0	694 3 6	25 1 9	669 1 9
Stanhope	203 19 7	35 0 0	3 13 6	242 13 1	..	242 13 1
Totals	2,375 11 1	664 15 3	58 15 7	3,099 1 11	83 5 1	3,015 16 10

WATERWORKS DISTRICTS.

Carwarp Central	6 19 7	..	..	6 19 7	..	6 19 7
Harcourt	53 3 5	13 0 0	1 6 7	67 10 0	..	67 10 0
Hindmarsh	498 17 3	206 11 5	7 11 9	713 0 5	..	713 0 5
Mornington Peninsula	778 3 0	186 0 0	18 17 2	983 0 2	23 15 9	959 4 5
Otway	2,887 4 7	1,700 5 8	72 3 7	4,659 13 10	..	4,659 13 10
Upper Western Winmerra	169 1 2	..	..	169 1 2	..	169 1 2
Walpeup West	667 0 8	622 13 0	16 13 6	1,306 7 2	..	1,306 7 2
Western Wimmera	100 12 9	1,399 11 4	2 10 4	1,502 14 5	..	1,502 14 5
Totals	5,161 2 5	4,128 1 5	119 2 11	9,408 6 9	23 15 9	9,384 11 0

DRAINAGE DISTRICTS.

Merbein	1,912 17 4	535 0 0	47 16 5	2,495 13 9	..	2,495 13 9
Red Cliffs	3,097 14 3	879 0 0	77 8 9	4,054 3 0	..	4,054 3 0
Woorinen	213 0 0	213 0 0	5 6 6	431 6 6	..	431 6 6
Totals	5,223 11 7	1,627 0 0	130 11 8	6,981 3 3	..	6,981 3 3

WATER SUPPLY WORKS DEPRECIATION ACCOUNTS AS AT 30TH JUNE, 1942—continued.

District.	Balance at 1st July, 1941.	Amounts Paid into Account 1941-42.	Interest Credited 1941-42.	Total.	Expenditure 1941-42.	Balance in Account at 30th June, 1942.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
URBAN DISTRICTS OF WATERWORKS DISTRICTS.						
Allansford .. .. .	.. .. .	10 0 0	.. .. .	10 0 0	.. .. .	10 0 0
Anglesea	232 7 6	56 0 0	5 16 2	294 3 8	.. .. .	294 3 8
Antwerp	13 7 9	2 0 0	4 2	15 11 11	.. .. .	15 11 11
Barwon Heads and Ocean Grove ..	1,040 3 0	279 0 0	25 18 10	1,345 1 10	2 7 5	1,342 14 5
Berrivilloek	66 18 9	16 0 0	1 13 6	84 12 3	.. .. .	84 12 3
Berwick	1,093 11 11	263 0 0	19 2 6	1,375 14 5	328 9 1	1,047 5 4
Beulah	107 14 11	23 0 0	2 8 3	133 3 2	.. .. .	133 3 2
Birchip	345 4 3	.. .. .	8 13 6	353 17 9	.. .. .	353 17 9
Bittern	142 4 10	34 0 0	3 11 2	179 16 0	.. .. .	179 16 0
Brim	148 12 2	31 0 0	3 5 5	182 17 7	.. .. .	182 17 7
Bunyip	600 13 8	144 0 0	15 0 4	759 14 0	.. .. .	759 14 0
Camperdown	1,165 4 5	638 0 0	29 2 7	1,832 7 0	.. .. .	1,832 7 0
Carrum	9,055 8 1	2,340 0 0	221 5 0	11,616 13 1	205 6 11	11,411 6 2
Carwarp	67 4 2	.. .. .	9 4	67 13 6	.. .. .	67 13 6
Chillingollah	54 11 11	.. .. .	16 0	55 7 11	.. .. .	55 7 11
Chinkapook	63 0 11	.. .. .	.. .. .	63 0 11	.. .. .	63 0 11
Cobden	274 0 2	155 0 0	6 17 0	435 17 2	.. .. .	435 17 2
Coliban	20,008 16 4	*8,305 8 7	469 15 6	28,784 0 5	1,217 13 11	27,566 6 6
Cranbourne	422 10 9	101 0 0	10 11 3	534 2 0	.. .. .	534 2 0
Crib Point	537 5 6	129 0 0	13 7 2	679 12 8	.. .. .	679 12 8
Culgoa	78 13 0	18 0 0	1 18 0	98 11 0	.. .. .	98 11 0
Dandenong	5,561 10 9	1,455 0 0	138 3 0	7,154 13 9	35 4 6	7,119 9 3
Dimboola	416 0 0	155 0 0	8 5 5	579 5 5	85 3 4	494 2 1
Dooen	45 18 3	11 0 0	1 3 0	58 1 3	.. .. .	58 1 3
Dromana-Portsea .. .. .	.. .. .	1,600 0 0	.. .. .	1,600 0 0	.. .. .	1,600 0 0
Drysdale	344 12 0	83 0 0	8 12 3	436 4 3	.. .. .	436 4 3
Frankston	4,419 8 5	1,118 0 0	109 15 7	5,647 4 0	28 8 0	5,618 16 0
Garfield	376 14 4	111 0 0	8 19 2	496 13 6	18 5 3	478 8 3
Hastings	504 4 3	161 0 0	12 11 9	677 16 0	12 9	677 3 3
Hicksborough	39 1 0	6 0 0	12 6	45 13 6	.. .. .	45 13 6
Hopetoun	191 3 4	61 0 0	4 15 6	256 18 10	.. .. .	256 18 10
Jeparit	192 1 0	39 0 0	2 14 6	233 15 6	112 18 0	120 17 6
Jung Jung	95 9 7	4 7 11	2 7 8	102 5 2	.. .. .	102 5 2
Koondrook	17 10 4	.. .. .	8 8	17 19 0	.. .. .	17 19 0
Lake Boga	165 8 6	.. .. .	.. .. .	165 8 6	.. .. .	165 8 6
Lalbert	23 1 10	179 14 11	11 6	203 8 3	.. .. .	203 8 3
Longwarry	471 2 6	113 0 0	11 15 6	595 18 0	.. .. .	595 18 0
Manangatang	75 1 2	33 0 0	1 17 7	109 18 9	.. .. .	109 18 9
Marnoo	296 4 8	33 0 0	3 9 0	332 13 8	.. .. .	332 13 8
Marong	121 5 0	76 7 11	3 0 8	200 13 7	.. .. .	200 13 7
Merbein	465 6 4	181 17 3	11 10 0	658 13 7	.. .. .	658 13 7
Lascelles	68 16 3	26 15 7	1 14 5	97 6 3	.. .. .	97 6 3
Meringur	95 11 8	.. .. .	1 6 10	96 18 6	.. .. .	96 18 6
Minyip	152 5 0	75 0 0	3 16 1	231 1 1	.. .. .	231 1 1
Mornington	3,509 5 2	848 0 0	56 18 7	4,414 3 9	1,264 0 8	3,150 3 1
Nandaly	97 16 5	.. .. .	.. .. .	97 16 5	116 14 4	Cr, 18 17 11
Natimuk	209 3 6	50 0 0	5 4 6	264 8 0	.. .. .	264 8 0
Newstead	213 7 2	51 0 0	5 6 7	269 13 9	.. .. .	269 13 9
North Wonthaggi	273 7 0	44 0 0	4 12 0	321 19 0	.. .. .	321 19 0
Nullawil	68 17 10	10 0 0	1 0 11	79 18 9	.. .. .	79 18 9
Nyah	76 9 0	35 19 1	1 14 4	114 2 5	.. .. .	114 2 5
Nyah West	441 19 0	363 15 8	8 13 9	814 8 5	123 1 11	691 6 6
Ouyen	78 11 7	115 10 8	1 19 3	196 1 6	.. .. .	196 1 6
Pakenham	1,178 9 2	231 0 0	23 18 6	1,433 7 8	.. .. .	1,433 7 8
Patchewollock	147 11 6	17 0 0	1 15 3	166 6 9	.. .. .	166 6 9
Piangil	191 0 5	33 17 2	3 15 7	228 13 2	.. .. .	228 13 2
Portarlington	473 15 7	205 12 10	11 16 11	691 5 4	.. .. .	691 5 4
Pyramid Hill	301 13 8	39 0 0	4 1 7	344 15 3	.. .. .	344 15 3
Quambatook	161 18 8	5 19 2	4 0 0	171 17 10	.. .. .	171 17 10
Queenscliff and Point Lonsdale ..	2,123 11 0	514 0 0	53 1 9	2,690 12 9	.. .. .	2,690 12 9
Rainbow	170 11 8	48 0 0	4 5 4	222 17 0	.. .. .	222 17 0
Rupanyup	169 2 4	57 0 0	4 4 6	230 6 10	.. .. .	230 6 10
Sea Lake	711 0 4	75 0 0	13 4 7	799 4 11	215 8 5	583 16 6
Somerville	246 16 8	59 0 0	6 3 4	312 0 0	.. .. .	312 0 0
South Frankston	960 13 5	312 0 0	27 16 5	1,300 9 10	.. .. .	1,300 9 10
Speed	171 8 6	.. .. .	1 15 6	173 4 0	.. .. .	173 4 0
Spring Vale	3,618 16 9	865 0 0	80 16 10	4,564 13 7	385 2 11	4,179 10 8
Tempy	153 2 3	16 12 7	1 15 3	171 10 1	.. .. .	171 10 1
Terang	943 1 7	506 0 0	23 11 5	1,472 13 0	.. .. .	1,472 13 0
Torquay	306 2 3	194 0 0	7 13 0	507 15 3	.. .. .	507 15 3
Ultima	10 19 2	103 1 5	.. .. .	114 0 7	.. .. .	114 0 7
Waitchie .. .. .	.. .. .	90 0 0	.. .. .	90 0 0	.. .. .	90 0 0
Walpeup	40 3 5	26 0 0	1 0 1	67 3 6	.. .. .	67 3 6
Watchem	177 2 3	35 0 0	3 13 3	215 15 6	.. .. .	215 15 6
Werrimull	207 6 0	70 9 0	3 13 0	281 8 0	.. .. .	281 8 0
Wonthaggi	2,525 3 9	364 0 0	38 12 7	2,927 16 4	31 0 11	2,896 15 5
Woomelang	271 18 9	65 0 0	6 16 0	343 14 9	.. .. .	343 14 9
Woorinen	80 4 3	38 19 3	1 1 1	120 4 7	.. .. .	120 4 7
Wycheproof	832 17 4	143 0 0	14 19 2	990 16 6	.. .. .	990 16 6
Yaapeet	39 8 0	55 11 11	19 8	95 19 7	.. .. .	95 19 7
Totals	70,838 5 6	23,756 0 11	1,607 6 9	96,201 13 2	4,169 18 4	92,031 14 10
Grand Totals	126,456 12 0	†48,074 12 3	2,909 13 10	177,440 18 1	4,492 17 3	172,948 0 10

* Includes contribution paid direct to fund—Coliban, £13 6s. 11d.

† Includes an amount of £396 8s. 0d., being contributions in respect of Capitalized Maintenance.

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 1940-41				126,456	12	0			
Paid into Account 1941-42 ..	47,678	4	3						
Paid by Commission direct to Fund 1941-42	396	8	0						
				48,074	12	3			
				174,531	4	3			
Interest Credited 1941-42				2,909	13	10			
				177,440	18	1			
Less Expenditure 1941-42				4,492	17	3			
Balance in Account at 30th June, 1942 ..				172,948	0	10			
				172,948	0	10			

Water Supply Works Depreciation Fund (in Treasury).									
	£	s.	d.	£	s.	d.			
Credit Balance as at 30th June, 1941	50,747	16	11						
Less Expenditure 1941-42	4,492	17	3						
	46,254	19	8						
Paid by Commission direct to Fund 1941-42	396	8	0						
	46,651	7	8						
Amount transferred to Fund by Treasury 1941-42	117,000	0	0						
	163,651	7	8						
Less amounts transferred by Treasury to Investments Account during 1941-42	45,000	0	0						
	118,651	7	8						
Add interest earned in Investment Account 1941-42	921	9	5				119,572	17	1
Amounts invested in Treasury Investment Account							49,341	8	11
Amount not transferred to Fund at 30th June, 1941	68,200	2	4						
Add amount paid to Revenue 1941-42	47,678	4	3						
	115,878	6	7						
Less Amount transferred to Fund 1941-42	117,000	0	0						
	Dr. 1,121	13	5						
	£	s.	d.						
Interest credited to Accounts in Commission's Books ..	6,418	6	7						
Less amount credited to Fund by Treasury 1,262 ..	1,262	18	4						
Interest not yet credited to Fund by Treasury at 30th June, 1942	5,155	8	3				4,033	14	10
							172,948	0	10

WATER SUPPLY PLANT AND MACHINERY ACCOUNT (ACT 4761).

SUMMARY OF OPERATIONS FOR YEAR ENDED 30TH JUNE, 1942.

	£	s.	d.	£	s.	d.
Amounts charged on moneys authorized for carrying out construction and maintenance of Commission works on which plant and machinery were engaged—						
Interest with respect to Capital Liability of—						
At 30th June, 1942, £64,459						
17s. 3d.	2,617	19	5			
Redemption	163	12	4			
Depreciation	7,187	5	10			
Costs of Operation, Maintenance, and Repairs ..	9,469	13	3			
				19,438	10	10
Interest—Depreciation Fund Investment				252	15	10
Balance from 1940-41				2,301	5	9
				21,992	12	5

	£	s.	d.	£	s.	d.
Interest paid to Revenue No. 2, to 30th June, 1942				2,468	16	11
Redemption paid to Revenue No. 9, Miscellaneous, to 30th June, 1942 ..				157	0	2
Water Supply Plant and Machinery Depreciation Fund (in Treasury) ..	7,187	5	10			
Interest on Fund Investment	252	15	10			
				7,440	1	8
Costs of Operation, Maintenance, and Repairs				9,549	13	5
Stores Suspense Account Reserve				2,377	0	3
				21,992	12	5

RECONCILIATION OF WATER SUPPLY PLANT AND MACHINERY DEPRECIATION ACCOUNT WITH WATER SUPPLY PLANT AND MACHINERY DEPRECIATION FUND (ACT 4761).

Water Supply Plant and Machinery Depreciation Account.									
	£	s.	d.	£	s.	d.			
Balance from 1940-41	10,111	13	2						
Paid into Account 1941-42	7,187	5	10						
				17,298	19	0			
Interest credited for year 1941-42				252	15	10			
				17,551	14	10			

Water Supply Plant and Machinery Depreciation Fund (in Treasury).									
	£	s.	d.	£	s.	d.			
Credit Balance as at 30th June, 1941 ..	9,971	16	7						
Paid into Fund as at 30th June, 1942 ..	7,187	5	10						
				17,159	2	5			
Interest earned but not yet transferred to Fund				392	12	5			
				17,551	14	10			

CONTRACTS.

STATEMENT OF CONTRACTS ENTERED INTO DURING THE YEAR ENDED 30TH JUNE, 1942.

No.	Name of Contractor.	Work or Supply.	Amount (Loan and Vote).
			£ s. d.
3159	Australian Cement Ltd.	1,500 tons Portland Cement—Works Generally . .	5,387 10 0
3160	Southern States Drilling Co. Pty. Ltd. . .	Drilling 3,000 lineal feet of 5 inch diameter well holes in granite—Hume Reservoir	4,475 0 0
3161	Hume Pipe Co. (Aust.) Ltd.	15,180 lineal feet of 9-inch and 12-inch diameter Reinforced Concrete Pressure Pipes—Bellarine Penin- sula District	3,976 13 4
	Contracts at Piecework Rates—		
	Channel Construction	Murray Valley District	22,635 7 8
	Channel Construction	Rocklands—Toolondo Channel	9,193 9 11
	Firewood Supplies	Pumping Stations	18,787 3 10
	Miscellaneous . . . . .	. . . . .	325 0 0
		Total	64,780 4 9

DIRECT LABOUR 1941-42.

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	23,101	..
Lauriston Reservoir	164	10,190
Murray Valley District	27,141	..
Glenelg River Works	28,344	..
Wimmera—Mallee System	492	203
Merbein and Red Cliffs Districts	292	253
Rivers and Reclamation Division—		
River Improvements . . . . .	..	1,204
Kooweerup and Cardinia Districts . . . . .	..	2,591
Main Urban Supplies Division—		
Mornington Peninsula District	7,556	..
Bellarine Peninsula District	656	..
Otway District	182	..
Coliban System	302	3,057
Gippsland and Goulburn Division—		
Deakin, Rochester, Rodney, Shepparton, Tongala—Stanhope, Maffra—Sale, Bacchus Marsh, and Werribee Districts	1,333	6,942
Loddon Division—		
Boort, Tragowel Plains, Nyah, Swan Hill, Cohuna, Kerang, Kerang Lakes, Koondrook, Mystic Park, and Tresco Districts	832	4,677
Miscellaneous	1,246	65
	91,641	29,182
Grand Total	£120,823	

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, 1942.

Works.	Water Supply Loan Funds.			Unemployment Relief Fund Act 4097, £37,574 10s. 7d.; Other Funds, £3,229 14s. 7d.
	Act 4771.	Act 4838.	Total Ordinary Loan Funds.	
	£ s. d.	£ s. d.	£ s. d.	£ s. d.
<i>Free Headworks.</i>				
Goulburn-Waranga Channel	319 3 4	141 3 6	460 6 10	..
<i>River Murray Waters Acts.—Works.</i> .. .. .	..	13,000 0 0	13,000 0 0	..
<i>Main Supply Works.</i>				
Laanecoore Weir	12 15 4	0 14 0	13 9 4	..
Eildon Reservoir	117 8 4	502 4 6	619 12 10	..
Waranga Western Channel Extension to 56 Mile Regulator .. .. .	..	..	..	453 6 2
Lauriston Reservoir	28 9 1	661 10 10	689 19 11	Cr. 1,416 10 7
Melton Reservoir	17 11 0	0 17 0	18 8 0	..
Pykes Creek Reservoir	0 7 11	75 19 8	76 7 7	..
Rocklands Reservoir .. .. .	..	70,468 0 3	70,468 0 3	..
Rocklands Outlet Channel .. .. .	..	18,072 14 3	18,072 14 3	..
Toolondo Outlet Channel .. .. .	..	4,973 18 6	4,973 18 6	..
Glenelg River Works to Wimmera-Mallee .. .. .	..	519 18 0	519 18 0	..
Wimmera Storages .. .. .	..	4 14 6	4 14 6	..
Wimmera Main Channels	10 3 0	1 0 0	11 3 0	335 15 9
Surveys and Investigations	863 15 11	2,548 17 0	3,412 12 11	..
Eppalock Reservoir .. .. .	..	58 6 8	58 6 8	..
Plant and Machinery Suspense .. .. .	..	3,312 13 0	3,312 13 0	..
<i>Irrigation and Water Supply Districts.</i>				
Bacchus Marsh	18 4 0	60 6 11	78 10 11	685 13 8
Boort .. .. .	..	58 10 0	58 10 0	..
Cohuna	49 6 3	279 1 2	328 7 5	332 3 9
Deakin	0 12 3	20 15 5	21 7 8	..
Fish Point .. .. .	..	2 19 4	2 19 4	..
Kerang	18 15 4	1,147 17 10	1,166 13 2	..
Koondrook	586 1 11	666 7 1	1,252 9 0	..
Maffra-Sale	1,271 11 8	1,512 9 10	2,784 1 6	..
Merbein	654 1 4	822 2 11	1,476 4 3	..
Murray Valley .. .. .	..	81,302 17 10	81,302 17 10	..
Mystic Park .. .. .	..	151 13 1	151 13 1	597 8 3*
North Shepparton	31 1 2	81 9 0	112 10 2	..
Nyah	850 1 4	184 5 4	1,034 6 8	..
Red Cliffs	25 15 5	150 14 11	176 10 4	..
Rochester	148 18 3	290 3 5	439 1 8	..
Rodney	99 15 4	314 8 2	414 3 6	89 9 6
Shepparton	524 10 4	1,554 13 4	2,079 3 8	..
Swan Hill	8 9 11	101 6 0	109 15 11	..
Tongala-Stanhope	35 13 4	62 5 10	97 19 2	..
Tragowel Plains	8 18 4	0 3 10	9 2 2	..
Tresco	8 5 10	129 11 8	137 17 6	..
Werribee	10 5 4	73 17 0	84 2 4	1,225 7 6
<i>Urban Divisions of Irrigation and Water Supply Districts.</i>				
Cohuna	10 8 0	36 5 10	46 13 10	..
Heyfield .. .. .	..	3 18 6	3 18 6	..
Murrabit .. .. .	..	43 9 0	43 9 0	..
Red Cliffs	107 2 9	5 6 0	112 8 9	..
<i>Waterworks Districts.</i>				
Bellarine Peninsula	1,285 19 2	1,522 6 10	2,808 6 0	..
Birchip	199 12 4	23 11 11	223 4 3	..
Hindmarsh	0 10 0	13 0 0	13 10 0	..
Karkaroc	28 4 0	143 3 5	171 7 5	..
Kerang North-West Lakes .. .. .	..	466 12 3	466 12 3	..
Long Lake	183 18 4	187 8 2	371 6 6	..
Millewa	1 12 6	35 11 3	37 3 9	..
Mornington Peninsula (including Headworks.)	3,306 11 10	7,615 4 4	10,921 16 2	Cr. 0 6 7
Normanville	24 19 6	17 2 0	42 1 6	..
Otway	195 9 10	90 15 9	286 5 7	..
Sea Lake	235 19 3	46 19 8	282 18 11	..
Tyntynder	15 10 0	26 15 0	42 5 0	..
Tyrrell	0 11 0	15 5 0	15 16 0	..
Tyrrell West	6 0 0	10 5 8	16 5 8	5 7 0
Upper Western Wimmera	5 7 0	48 19 5	54 6 5	..
Upper Wimmera United	6 17 1	18 3 9	25 0 10	..
Western Wimmera	53 15 8	259 14 11	313 10 7	..
Wimmera United	706 18 6	789 4 3	1,496 2 9	..
Wycheproof	186 13 4	110 12 10	297 6 2	..
<i>Urban Districts of Waterworks Districts.</i>				
Allansford	25 10 2	616 10 9	642 0 11	..
Anglesea .. .. .	..	3 2 7	3 2 7	..
Antwerp .. .. .	..	..	..	18 17 5
Barwon Heads and Ocean Grove	39 16 8	21 16 6	61 13 2	..
Berwick	223 7 9	43 15 9	267 3 6	..
Bunyip	5 17 0	45 9 9	51 6 9	..
Camperdown	46 13 5	87 19 1	134 12 6	..
Carrum	78 13 1	435 3 7	513 16 8	..
Carried forward	12,701 19 5	216,094 5 4	228,796 4 9	2,327 11 10

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, 1942—continued.

Works.	Water Supply Loan Funds.			Unemployment Relief Fund, Act 4097, £37,574 10s. 7d.; Other Funds, £3,229 14s. 7d.
	Act 4771.	Act 4838.	Total Ordinary Loan Funds.	
	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Brought forward	12,701 19 5	216,094 5 4	228,796 4 9	2,327 11 10
<i>Urban Districts of Waterworks Districts.—continued.</i>				
Cobden	232 12 6	40 18 11	273 11 5	..
Coliban	462 6 1	1,017 0 0	1,479 6 1	6,870 14 2
Cranbourne	39 19 1	2 1 0	42 0 1	..
Dandenong	194 6 10	120 15 9	315 2 7	..
Dimboola .. .. .	..	98 16 9	98 16 9	31 18 2
Dromana—Portsea	7,329 16 8	2,263 9 7	9,593 6 3	..
Drysdale .. .. .	..	3 2 7	3 2 7	..
Frankston	137 11 9	286 6 1	423 17 10	..
Garfield	2 18 6	6 13 6	9 12 0	..
Hastings	4 17 1	0 5 0	5 2 1	..
Hopetoun	8 0 10	12 6 4	20 7 2	33 17 2*
Jeparit	3 5 6	3 1 0	6 6 6	10 12 1
Merbein	45 8 2	16 14 11	62 3 1	..
Meringur .. .. .	..	10 3 4	10 3 4	..
Minyip	39 8 8	4 19 0	44 7 8	..
Mornington	302 1 3	116 17 1	418 18 4	..
Nyah	3 16 2	217 4 8	221 0 10	..
Nyah West	66 11 9	14 14 6	81 6 3	..
Ouyen	4 2 9	251 2 6	255 5 3	..
Pakenham	6 3 6	6 16 6	13 0 0	..
Patchewollock .. .. .	..	Cr. 3 0 0	Cr. 3 0 0	..
Portarlington	52 16 11	8 4 7	61 1 6	..
Queenscliff and Point Lonsdale .. .. .	..	3 2 7	3 2 7	..
Rainbow .. .. .	..	21 12 1	21 12 1	..
Rupanyup	26 0 0	1 7 0	27 7 0	..
Sea Lake .. .. .	..	26 2 0	26 2 0	..
Somerville .. .. .	..	1 1 0	22 10 0	..
South Frankston	23 9 2	1 3 0	24 12 2	..
Speed .. .. .	..	0 3 0	0 3 0	..
Spring Vale	457 1 0	61 18 9	518 19 9	..
Tempy	3 6 6	..	3 6 6	..
Terang	0 14 0	30 6 2	31 0 2	..
Torquay	0 18 3	6 6 2	7 4 5	..
Waitchie	6 16 10	0 7 0	7 3 10	..
Werrimull .. .. .	..	14 10 2	14 10 2	..
Wonthaggi	17 7 11	0 19 0	18 6 11	..
Woorinen	0 14 6	..	0 14 6	..
Wycheproof .. .. .	..	12 13 0	12 13 0	..
Woomelang .. .. .	..	..	..	69 16 0
<i>Flood Protection Districts.</i>				
Cardinia	273 13 11	17 3 0	290 16 11	1,371 19 4
Lower Kooweerup	27 3 6	1,259 5 0	1,286 8 6	7,702 17 10
Kanyapella .. .. .	..	..	..	92 10 6
<i>Drainage Districts.</i>				
Carrum	11 18 10	0 5 2	12 4 0	361 16 9*
Cohuna	58 12 5	66 19 2	125 11 7	..
Kerang East	0 10 0	..	0 10 0	613 10 6*
Maffra—Sale .. .. .	..	..	..	Cr. 3 10 8
Merbein	0 10 0	1 0 0	1 10 0	..
Nyah .. .. .	..	293 0 5	293 0 5	5,844 17 2*
Red Cliffs .. .. .	..	233 7 6	233 7 6	410 9 11
Rochester	18 17 9	1 10 9	20 8 6	750 4 1
Rodney	81 16 11	118 13 0	200 9 11	4,503 6 1
Shepparton	195 9 2	2,090 4 2	2,285 13 4	3,121 8 7
Tongala—Stanhope	40 17 6	9 14 6	50 12 0	566 18 8
Woorinen .. .. .	..	36 10 0	36 10 0	2,042 3 7
<i>Proposed Drainage Districts.</i>				
Dingee .. .. .	..	..	..	635 5 2
Tresco .. .. .	..	..	..	566 1 7
Waterworks Trusts and Local Governing Bodies	8,782 0 11	18,255 13 0	27,037 13 11	..
<i>Miscellaneous</i>				
River Improvements .. .. .	..	..	..	2,879 16 8*
Totals	31,687 11 6	243,157 15 6	274,845 7 0	40,804 5 2

* Included in amount of £3,229 14s. 7d. from Unemployment Relief Taxation Fund. In the following instances amounts were also expended under Act 4097, i.e., Kerang East, £104 5s. 6d.; Nyah, £4,686 1s. 9d.; River Improvements, £2,311 4s. 8d.

SUMMARY.

	£	s.	d.
Ordinary Loan Funds (Acts 4771 and 4838)	274,845	7	0
Unemployment Relief Funds	40,804	5	2
Total Capital Expenditure from State Funds	315,649	12	2

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, 1942.	
		£	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 and that Reservoir (but exclusive of the work of its enlargement)	Goulburn River Works.	14,832	15 0		
	Kerang North-West Lakes Works.	740,002	8 2		
	Loddon of the Sheepwash and Washpen Creeks; channel from the Washpen Creek regulator to Reedy Lake, Middle Lake, Third Lake, Lake Charn, Racecourse Lake, Cullen's Lake, Kangaroo Lake, and Lake Tutchewop, and to the Little Murray River, with water storage works at these lakes	26,615	14 9		
	Kow Swamp Works.	188,000	10 0		
	Lake Lonsdale Reservoir.	49,057	4 2		
Loddon River Works. —Reservoir at Lake Lonsdale, on the Little Wimmera River, near Ledcourt	Loddon River Works.	173,366	13 10		
	Long Lake Pumping Works.	27,305	18 5		
	Lower Wimmera Compensation Works.	8,663	12 3		
	Geelong (inclusive of Loan Flotation Expenses)	160,640	2 3		
	Eppalock Reservoir	111,584	17 3		
B.—CAPITAL WORKS AND CHARGES NOT APPORTIONABLE TO DISTRICTS.	Goulburn Levees	30,797	0 4		
	Lang Lang River Works	48,543	8 9		
	Surveys and Preliminary Investigations	204,602	7 1		
	Loan Flotation Expenses	763,499	11 6		
	Plant and Machinery Suspense	64,302	17 1		
				1,227,844	16 7
				1,383,970	4 3

Net Loan Capital
Liability at
30th June, 1942.
£ s. d.
13,229,273 5 7

LOAN CAPITAL LIABILITY—continued.

Name of District.	Loan Liability.						Capital Expenditure Borne by the State Account.						Brought forward ..								
	Headworks.			Distributory Works.			Headworks.			Distributory Works.											
	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.									
														Total.							
D.—IRRIGATION AND WATER SUPPLY DISTRICTS.																					
1. Bacchus Marsh	82,800	13	1	96,251	16	3	179,052	9	4	72,177	11	5	82,320	6	5	24,554	11	6	106,874	17	11
2. Boort	170,032	15	0	79,568	14	3	249,601	9	3	14,201	16	8	170,031	15	0	65,367	17	7	235,399	12	7
3. Calivil	81,529	0	0	112,932	3	11	194,461	3	11	8,878	3	3	81,528	0	0	104,055	0	8	185,583	0	8
4. Campaspe	5,024	0	0	12,273	15	8	17,297	15	8	..	..	..	5,024	0	0	12,273	15	8	17,297	15	8
5. Cohuna	500,500	8	1	326,783	0	6	827,283	8	7	230,812	8	1	500,500	8	1	95,970	12	5	596,471	0	6
6. Deakin	36,866	6	11	58,263	11	1	95,129	18	0	28,488	7	6	36,866	6	11	29,775	3	7	66,641	10	6
7. Dingee	58,189	0	0	15,402	18	2	73,591	18	2	11,199	13	3	58,189	0	0	4,203	4	11	62,392	4	11
8. Dry Lake	1,987	0	0	718	16	9	2,705	16	9	718	16	9	1,987	0	0	..	..	..	1,987	0	0
9. Fish Point	21,707	0	0	15,804	1	8	37,511	1	8	..	..	..	21,707	0	0	15,804	1	8	37,511	1	8
10. Katandra	74,927	0	0	105,572	10	5	180,499	10	5	14,586	8	9	74,926	0	0	90,987	1	8	165,913	1	8
11. Kerang	249,529	0	0	128,311	11	9	377,840	11	9	63,122	6	10	249,529	0	0	65,189	4	11	314,718	4	11
12. Koondrook	247,864	0	0	218,710	1	2	466,574	1	2	86,845	11	3	246,211	0	0	133,517	9	11	379,728	9	11
13. Maffra-Sale	678,354	9	4	580,828	2	3	1,259,182	11	7	175,080	6	4	678,349	9	2	405,752	16	1	1,084,102	5	3
14. Merbein	195,760	0	0	261,412	3	3	457,172	3	3	52,292	19	6	195,760	0	0	209,119	3	9	404,879	3	9
15. Murray Valley	897,294	4	6	532,266	19	9	1,429,561	4	3	27,200	7	8	897,294	4	6	505,066	12	1	1,402,360	16	7
16. Mystic Park	39,419	19	8	17,716	11	4	57,136	11	0	6,707	8	1	39,419	19	8	11,009	3	3	50,429	2	11
17. North Shepparton	158,146	0	0	199,901	12	9	358,047	12	9	69,932	4	7	158,145	0	0	129,970	8	2	288,115	8	2
18. Nyah	74,857	0	0	130,137	8	5	204,994	8	5	4,397	4	1	74,857	0	0	125,740	4	4	200,597	4	4
19. Red Cliffs	283,152	0	0	791,788	9	8	1,074,940	9	8	45,959	8	10	283,152	0	0	745,829	0	10	1,028,981	0	10
20. Rochester	843,578	11	3	339,203	17	2	1,182,782	8	5	192,554	16	11	843,573	11	3	146,654	0	3	990,227	11	6
21. Rodney	906,871	2	9	576,956	14	2	1,483,827	16	11	154,612	2	8	906,865	2	9	422,350	11	6	1,329,215	14	3
22. Shepparton	286,990	0	0	198,911	10	5	485,901	10	5	72,592	13	4	286,988	0	0	126,320	17	1	413,308	17	1
23. South Shepparton	58,846	19	10	59,495	0	5	118,342	0	3	17,493	14	1	58,846	19	10	42,001	6	4	100,848	6	2
24. Swan Hill	293,437	0	0	184,909	6	1	478,346	6	1	68,145	18	3	293,437	0	0	116,763	7	10	410,200	7	10
25. Third Lake	25,637	0	0	25,244	6	8	50,881	6	8	4,623	4	3	25,637	0	0	20,621	2	5	46,258	2	5
26. Tongala-Stanhope	644,002	0	0	295,369	17	1	939,371	17	1	145,297	15	8	643,998	10	0	150,075	11	5	794,074	1	5
27. Tragowel Plains	506,838	7	3	258,522	6	2	765,360	13	5	115,714	10	1	506,835	7	3	142,810	16	1	649,646	3	4
28. Tresco	25,960	0	0	90,954	3	6	116,914	3	6	..	..	..	25,960	0	0	90,954	3	6	116,914	3	6
29. Werribee	181,121	11	0	119,016	10	0	300,138	1	0	118,442	1	11	181,085	11	4	610	7	9	181,695	19	1
Loan Liability	7,631,222	8	8	5,833,228	0	8	13,464,450	9	4	1,802,078	0	0	7,629,024	12	2	4,033,347	17	2	11,662,372	9	4

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

1. Bacchus Marsh	..	13,969	7	5	13,969	7	5	..	..	10	8	0
2. Cohuna ..	..	9,056	1	6	9,056	1	6	..	..	231	15	6
3. Corop ..	..	231	15	6	231	15	6	..	..	1,452	4	5
4. Dingee ..	..	1,452	4	5	1,452	4	5	..	..	12,248	16	10
5. Heyfield ..	..	12,248	16	10	12,248	16	10	..	..	2,439	0	0
6. Leitchville	..	3,905	16	1	3,905	16	1	..	..	1,068	8	11
7. Lockington	..	2,238	0	0	2,238	0	0	..	..	..	..	..
8. Murrabit ..	..	1,068	8	11	1,068	8	11	..	..	..	..	..
9. Red Cliffs	..	16,585	12	0	16,585	12	0	..	..	..	..	..
10. Stanhope	..	1,446	11	10	1,446	11	10	..	..	..	..	..
Totals, Loan Liability	..	62,202	14	6	62,202	14	6	..	..	17,450	13	8

62,202 14 6

F.—WATERWORKS DISTRICTS.

1. Axe Creek	..	4,894	0	0	4,894	0	0	..	..	1,765	0	0
2. Bellarine Peninsula	..	Cr.	208	17	294,035	2	6	..	..	210,797	1	9
3. Birchip ..	..	103,165	6	2	141,374	5	3	..	..	116,123	0	5
4. Carwarp	..	41,411	9	11	41,411	9	11	..	..	41,411	9	11
5. Carwarp Central	..	2,353	10	2	2,353	10	2	..	..	2,353	10	2
6. Coreena ..	..	46,081	11	10	46,081	11	10	..	..	46,081	11	10
7. Harcourt	..	17,106	10	9	17,106	10	9	..	..	1,694	0	0
8. Hindmarsh	..	15,504	19	1	19,631	9	9	..	..	9,650	12	6
9. Karkaroc	..	219,828	19	0	316,107	17	6	..	..	13,777	3	2
10. Kerang North-west Lakes	..	3,523	17	11	3,523	17	11	..	..	314,971	10	7
11. Long Lake	..	107,170	1	4	170,791	1	4	..	..	3,523	17	11
12. Millewa ..	..	379,574	8	11	483,967	8	11	..	..	162,210	14	6
13. Millewa Central	..	133,892	0	0	170,647	0	0	..	..	483,967	8	11
14. Mornington Peninsula	..	10,124	6	6	298,888	8	2	..	..	170,647	0	0
15. Newstead	..	4,636	6	10	4,636	6	10	..	..	236,676	6	7
16. Normanville	..	20,157	14	1	20,034	1	11	..	..	4,636	6	10
17. Otway ..	..	163,260	19	4	92,172	6	4	..	..	123	12	2
18. Sea Lake	..	46,496	0	0	190,715	18	8	..	..	71,088	13	0
19. Tyntynder	..	118,117	0	0	375,483	9	9	..	..	190,705	12	3
20. Tyrrell ..	..	84,436	0	0	250,071	11	3	..	..	374,866	19	4
21. Tyrrell West	..	148,331	0	0	427,761	16	6	..	..	250,069	11	3
22. Upper Western Wimmera	..	28,050	18	2	85,970	17	2	..	..	427,758	6	6
23. Upper Wimmera United	..	44,094	0	0	120,305	6	8	..	..	85,968	17	6
24. Walpeup West	..	..	..	..	35,841	16	6	..	..	56,462	6	10
25. Werribee ..	..	..	..	..	11,533	18	8	..	..	35,841	16	6
26. Western Wimmera	..	115,618	6	9	352,343	13	11	..	..	7,470	0	4
27. Wimmera United	..	97,197	2	8	276,279	18	5	..	..	78,836	2	5
28. Wycheproof	..	63,391	17	8	230,446	16	3	..	..	14,633	1	8
29. Yelta ..	..	..	..	..	6,152	7	2	..	..	152,990	11	7
Totals, Loan Liability	..	1,835,384	14	5	4,561,776	5	2	..	..	6,152	7	2

2,726,391 10 9

Carried forward ..

21,851,095 11 6

LOAN CAPITAL LIABILITY—continued.

Net Loan Capital Liability at 30th June, 1942.
 £ 21,851,095 11 6
 s. d.

Brought forward ..

Name of District.	Loan Liability.			Allotted to District.	Capital Expenditure Borne by the State Account.			Total.
	Headworks.		Distributary Works.		Headworks.		Distributary Works.	
	£	s. d.	£		s. d.	£	s. d.	
G.—URBAN DISTRICTS OF WATERWORKS DISTRICTS.								
1. Allansford ..	1,600	0 0	638 6 7	2,238 6 7	..	..	..	18,437 18 3
2. Anglesea ..	8,842	14 7	9,743 9 6	18,586 4 1	8,780 4 3	9,657 14 0	..	..
3. Antwerp ..	..	..	695 13 9	695 13 9	..	..	..	..
4. Barwon Heads and Ocean Grove ..	32,836	6 5	7,179 14 6	40,016 0 11	17,409 2 2	18 14 6	..	17,427 16 8
5. Berriwillock ..	..	..	5,174 8 3	5,174 8 3	..	3,233 19 6	..	3,233 19 6
6. Berwick ..	13,733	4 8	8,924 15 0	22,657 19 8	13,373 0 3	2 1 3	..	13,375 1 6
7. Beulah ..	..	..	7,579 6 7	7,579 6 7	..	5,547 4 5	..	5,547 4 5
8. Birchip ..	..	..	12,418 11 5	12,418 11 5	..	10,733 16 2	..	10,733 16 2
9. Bittern ..	1,671	1 8	1,205 2 6	2,876 4 2	1,671 1 8	457 0 0	..	2,128 1 8
10. Brim ..	..	..	3,527 8 0	3,527 8 0	..	1,564 0 10	..	1,564 0 10
11. Bunyip ..	5,382	2 7	5,951 10 1	11,333 12 8	..	5,719 11 6	..	11,100 11 1
12. Camperdown ..	46,469	0 0	48,594 4 5	95,063 4 5	5,380 19 7	..	..	..
13. Carrum ..	170,688	16 9	44,140 1 2	214,828 17 11	..	..	..	..
14. Carwarp ..	..	..	632 1 0	632 1 0	170,537 5 4	2,175 19 10	..	172,713 5 2
15. Chillingollah ..	..	..	2,477 14 6	2,477 14 6	..	632 1 0	..	632 1 0
16. Chinkapook ..	..	..	2,551 11 7	2,551 11 7	..	2,054 0 0	..	2,054 0 0
17. Cobden ..	9,213	0 0	15,382 1 8	24,595 1 8	..	2,551 11 7	..	2,551 11 7
18. Coliban ..	..	..	1,664,663 5 11	1,664,663 5 11	..	..	..	..
19. Cranbourne ..	6,614	0 11	2,795 17 11	9,409 18 10	5,822 11 7	..	..	5,822 11 7
20. Crib Point ..	8,766	18 0	2,963 16 1	11,730 14 1	5,275 18 0	..	..	5,275 18 0
21. Culgoa ..	..	..	4,420 15 10	4,420 15 10	..	360 14 0	..	360 14 0
22. Dandenong ..	95,869	19 5	40,703 12 5	136,573 11 10	82,957 1 5	..	..	82,957 1 5
23. Dimboola ..	..	..	17,891 2 1	17,891 2 1	..	..	..	..
24. Doon ..	..	..	681 4 0	681 4 0	..	681 4 0	..	681 4 0
25. Dromana-Portsea ..	82,504	11 4	74,212 8 10	156,717 0 2	18,365 13 6	58,834 18 3	..	77,200 11 9
26. Drysdale ..	11,550	4 6	2,158 7 5	13,708 11 11	11,467 4 6	1,346 4 10	..	12,813 9 4
27. Frankston ..	95,887	19 10	16,717 8 4	112,605 8 2	..	..	..	..
28. Garfield ..	4,188	16 4	4,553 17 0	8,742 13 4	4,187 16 4	3,574 10 0	..	7,762 6 4
29. Hastings ..	7,403	4 5	6,342 9 10	13,745 14 3	7,401 4 5	5,317 12 3	..	12,718 16 8
30. Hicksborough ..	..	..	985 16 0	985 16 0	..	..	..	..
31. Hopetoun ..	..	..	10,322 4 2	10,322 4 2	..	8,318 19 5	..	8,318 19 5
32. Jeparit ..	..	..	13,319 2 1	13,319 2 1	..	..	..	..
33. Jung Jung ..	..	..	3,379 12 4	3,379 12 4	..	3,376 3 2	..	3,376 3 2
34. Koondrook ..	..	..	5,689 0 6	5,689 0 6	..	5,630 4 6	..	5,630 4 6
35. Lake Boga ..	..	..	5,481 8 8	5,481 8 8	..	5,481 8 8	..	5,481 8 8
36. Lalbert ..	..	..	4,662 18 1	4,662 18 1	..	3,133 0 0	..	3,133 0 0
37. Lascelles ..	..	..	4,254 19 10	4,254 19 10	..	4,254 19 10	..	4,254 19 10
38. Longwarry ..	6,740	15 11	5,012 11 6	11,753 7 5	..	..	..	..
39. Manangatang ..	..	..	5,174 6 2	5,174 6 2	..	..	..	..
40. Marnoo ..	..	..	4,047 4 7	4,047 4 7	..	941 0 0	..	941 0 0

[illegible]

H.—FLOOD PROTECTION DISTRICTS.

[illegible]

Net Loan Capital
Liability at
30th June, 1942.

LOAN CAPITAL LIABILITY—continued.

£ s. d.
24,678,272 1 8

Brought forward ..

Name of District.	Loan Liability.			Allotted to District.	Capital Expenditure Borne by the State Account.				
	Headworks.	Distributory Works.			Total.	Headworks.	Distributory Works.		Total.
		£	s. d.				£	s. d.		£	s. d.
I.—DRAINAGE DISTRICTS.									
1. Carrum	24,588	4 0	..	..	24,588	4 0	24,588 4 0	
2. Cohuna	1,458	18 11	..	..	1,458	18 11	1,458 18 11	
3. Kerang East	128	3 3	..	..	128	3 3	128 3 3	
4. Maffra-Sale	253	14 11	..	..	253	14 11	253 14 11	
5. Merbein	313	17 4	..	..	313	17 4	313 17 4	
6. Nyah	293	0 5	..	..	293	0 5	293 0 5	
7. Red Cliffs	399	10 10	..	..	399	10 10	399 10 10	
8. Rochester	1,174	14 2	..	..	1,174	14 2	1,174 14 2	
9. Rodney	2,240	19 11	..	..	2,240	19 11	2,240 19 11	
10. Shepparton	3,157	4 10	..	..	3,157	4 10	3,157 4 10	
11. Tongala-Stanhope	1,035	17 7	..	..	1,035	17 7	1,035 17 7	
12. Werribee	57	13 11	..	..	57	13 11	57 13 11	
13. Woorinen	86	3 6	..	..	86	3 6	86 3 6	
Totals, Loan Liability	£35,188	3 7	..	..	35,188	3 7	35,188 3 7	

Totals, Commission's Districts
(Statements D, E, F, G, H,
and I.) ..

£10,420,982 16 8 £11,484,186 19 8 £21,905,169 16 4 £4,122,506 9 5 £9,597,238 0 6 £8,185,425 6 5 £17,782,663 6 11

* Exclusive of Plant and Machinery Suspense Account £84,392 17s. 1d. (Statement B).
† Exclusive of £983,487 granted free by Government from Unemployment Relief Funds. For details, see Appendix A. of this and the two previous Reports.

WORKS UNDER GENERAL SUPERVISION OF COMMISSION.

J.—WATERWORKS TRUSTS AND LOCAL GOVERNING BODIES.

|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

Grand Total Net Loan Capital Liability (Exclusive of Equity in National Debt Sinking Fund) .. 27,919,189 11 9

3,205,729 6 6

SUMMARY STATEMENT OF LOAN LIABILITY AS AT 30th JUNE, 1942.

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	1,228,359	17 1	515	0 6	1,227,844	16 7	..	..	1,227,844	16 7
B	Capital Works and Charges not Apportionable to Districts	1,707,939	15 9	323,969	11 6	1,383,970	4 3	64,302	17 1	1,319,667	7 2
C	Headworks Costs in respect of Irrigation and Water Supply Districts and Waterworks Districts	10,703,770	9 4	86,312	4 7	10,617,458	4 9	823,744	16 2	9,793,713	8 7
D	Irrigation and Water Supply Districts, exclusive of Headworks Costs	5,926,568	5 3	93,340	4 7	5,833,228	0 8	1,799,880	3 6	4,033,347	17 2
E	Urban Divisions of Irrigation Districts	63,862	1 8	1,659	7 2	62,202	14 6	44,752	0 10	17,450	13 8
F	Waterworks Districts, exclusive of Headworks Costs	2,773,357	10 10	46,966	0 1	2,726,391	10 9	559,215	17 4	2,167,175	13 5
G	Urban Districts of Waterworks Districts, exclusive of Headworks Costs	2,494,075	12 6	38,341	12 9	2,455,733	19 9	884,300	8 4	1,571,433	11 5
H	Flood Protection Districts	378,350	9 0	6,907	18 7	371,442	10 5	10,613	3 3	360,829	7 2
I	Drainage Districts	35,188	3 7	..	..	35,188	3 7	..	..	35,188	3 7
	Totals, Works under control of Commission	25,311,472	5 0	598,011	19 9	24,713,460	5 3	4,186,809	6 6	20,526,650	18 9
J	Waterworks Trusts and Local Governing Bodies	3,908,388	1 4	702,658	14 10	3,205,729	6 6	1,962,367	10 10	1,243,361	15 8
		29,219,860	6 4	1,300,670	14 7	27,919,189	11 9	6,149,176	17 4	21,770,012	14 5
	Deduct National Debt Sinking Fund not credited to Districts and Works	..	..	2,031,260	19 1						
	Less Redemption paid into Revenue by Districts, Waterworks Trusts, &c.	..	..	317,080	9 0	1,714,180	10 1				
	Net Loan Liability of State for Works of Country Water Supply (Exclusive of £54,077 11s. 1d. cash in hand held by Treasury)	..	..	..	..	26,205,009	1 8				

Note.—In addition to the Total Loan Capital Expenditure set out in the preceding statements, free grants from Unemployment Relief Funds totalling *£3,268,574, of which £3,230,585 has been expended to 30th June, 1942, were made by the Government for various works carried out by the Commission within and outside its constituted Districts. Details of these grants are shown in Appendix A. of this and the two previous Reports.

* Includes £208 5 11 for drainage of First Mildura Irrigation Trust District.

SUB-SURFACE DRAINAGE WORKS.

The cost of the extensive Sub-surface Drainage Works constructed in the important dried fruit centres of Red Cliffs, Merbein, Mildura, and Woorinen 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 in respect to the schemes at Red Cliffs, Merbein, and Mildura, and £2 10s. per irrigable acre for planted areas and £1 per irrigable acre for unplanted areas in respect to the Woorinen scheme. 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, 1942, in the respective areas is set out hereunder :—

Area.	Source of Funds.		Total Cost of Scheme to 30th June, 1942.
	Unemployment Relief Loan Funds.	Growers' Contributions during Construction.	
	£ s. d.	£ s. d.	£ s. d.
Red Cliffs Irrigation and Water Supply District ..	151,875 15 3	18,549 0 6	170,424 15 9
Merbein Irrigation and Water Supply District ..	93,821 18 7	19,749 15 1	113,571 13 8
First Mildura Irrigation Trust	211,142 13 10	52,867 19 8	264,010 13 6
Woorinen Drainage District	51,139 6 5	..	51,139 6 5
Totals	507,979 14 1	91,166 15 3	599,146 9 4

In addition, the construction of Sub-surface Drainage Works in the Nyah Irrigation District was commenced, the landholders concerned having agreed to contribute £5 per irrigable acre for areas under intense culture or £2 10s. per irrigable acre for lands 5 acres or more in extent not under intense culture. The cost of the work is being met from Unemployment Relief Loan Funds. The expenditure to 30th June, 1942, was £17,217 10s. 5d.

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, 1942.	Payments made as at 30th June, 1942.	Arrears of Contributions as at 30th June, 1942.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Red Cliffs Irrigation and Water Supply District	41,151 16 8	41,151 16 8	*38,979 11 8	2,214 1 8
Merbein Irrigation and Water Supply District	31,485 0 0	31,485 0 0	30,479 7 6	1,005 12 6
Nyah Drainage District	835 0 0	117 8 9	117 8 9	..
First Mildura Irrigation Trust	53,895 8 0	53,895 8 0	53,895 8 0	..
Woorinen Drainage District	8,757 10 0	3,463 14 0	3,269 3 0	218 11 0
Totals	136,124 14 8	130,113 7 5	126,740 18 11	3,438 5 2

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.

* Includes an overpayment of £41 16s. 8d.

ESTIMATES 1942-43.

PROPOSED DISBURSEMENTS.

	Estimated Requirements.	Amount provided in Budget.
	£	£
Coliban Works	10,448	10,448
Free Headworks	15,158	5,158
Irrigation Districts	104,444	99,844
Waterworks Districts	157,088	139,730
Flood Protection Districts	5,889	5,889
Drainage Districts	14,927	14,927
Salaries of Permanent and Temporary Employees*	247,256	247,256
General Expenditure*	46,630	43,630
River Murray Works—Contribution by State	14,350	14,350
Pay-Roll Tax	11,192	11,192
Contribution to War Damage Fund	16,800	16,800
Assistance to certain Sewerage Authorities where works have been suspended to meet Commonwealth requirements	14,292	14,292
	<hr/> 658,474	<hr/> 623,516

* To be apportioned over the above Districts.

ESTIMATED RECEIPTS.

	£
Coliban Works	46,000
Waterworks Districts	230,000
Irrigation Districts	288,000
Flood Protection and Drainage Districts	23,000
Other	28,000
Recoup on account of amounts paid from Revenue in connection with River Murray Commission, Loan Works, &c.	43,830
	<hr/> 658,830
Estimated amount available to meet Interest on basis of Budget provision	35,314
Add estimated Revenues from Other Authorities—	£
Waterworks Trusts	60,300
Local Bodies	24,000
	<hr/> 84,300
Total estimated amount available from Revenues of all Authorities to meet Interest	<hr/> 119,614

APPENDIX A.

STATE RIVERS AND WATER SUPPLY COMMISSION.
UNEMPLOYMENT RELIEF GRANTS TO 30TH JUNE, 1942.

Since the commencement of Relief Works on 1st June, 1930, a total amount of £3,266,574 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.

Particulars relating to all grants made to 30th June, 1940, and 30th June, 1941, were included as Appendices to the Commission's Annual Reports for the years 1939-40 and 1940-41.

For the year ending 30th June, 1942, the only additional amounts granted to the Commission were as follow :—

Work.	Amount.
	£
Nyah District Drainage	1,200
Kerang East District Drainage	500
Lake Mulvala (Yarrowonga Weir) Erosion Prevention	700
	2,400

The total amounts granted since 1st June, 1930, for various works are as follow :—

Work.	Amount.
	£
Headworks	121,200
Irrigation Districts—Water Supply	208,395
Irrigation Districts—Drainage	1,158,078
Waterworks Districts (Rural)	306,025
Waterworks Districts (Urban)	952,278
Flood Protection	241,440
River Improvements	143,130
General	136,028
Total of Grants from 1st June, 1930, to 30th June, 1942	£3,266,574

The total expenditure of Unemployment Relief Funds to 30th June, 1942, was £3,230,585, the total number of men to whom employment was provided being 47,757.

APPENDIX B.

STATE RIVERS AND WATER SUPPLY COMMISSION.
WIMMERA-MALLEE DOMESTIC AND STOCK SUPPLY SYSTEM—WATER SUPPLIED FROM
HEADWORKS.

Year.	Lake Lonsdale and Fyans Lake. Acre Feet, Gauged at Lake Lonsdale.	Wimmera River. Acre Feet, Gauged at Glenorchy.	Taylors, Pine and Wartook Lakes. Acre Feet, Gauged at Outlets.	River Murray, Nyah Pump. Acre Feet, Gauged at Nyah.	Waranga Western Channel. Acre Feet, Gauged at Avoca River.	Total. Acre Feet.	Yearly Rainfall.		Year.
							Wartook. Inches.	Hopetoun. Inches.	
1922 ..	35,632	22,360	8,906	3,800	..	70,698	34·51	11·73	1922
1923 ..	14,000	27,730	5,296	..	..	47,026	41·99	13·44	1923
1924 ..	10,900	25,126	11,982	..	..	48,008	40·81	19·04	1924
1925 ..	42,550	16,832	16,932	3,900	..	80,214	27·42	8·65	1925
1926 ..	28,368	17,640	22,522	4,800	..	73,330	34·43	11·93	1926
1927 ..	37,466	10,292	29,146	4,300	..	81,204	28·00	8·76	1927
1928 ..	23,132	14,210	21,822	..	8,700	67,864	33·90	15·06	1928
1929 ..	28,966	8,142	6,522	..	39,720	83,350	30·80	9·52	1929
1930 ..	19,022	7,360	8,160	..	40,408	74,950	34·45	15·24	1930
1931 ..	1,200	9,280	8,082	..	17,318	35,880*	35·45	13·83	1931
1932 ..	14,700	17,234	20,342	..	28,848	81,124	37·12	14·25	1932
1933 ..	17,516	9,536	19,750	..	29,060	75,862	38·56	15·54	1933
1934 ..	29,866	9,262	12,152	..	33,970	85,250	26·52	12·50	1934
1935 ..	26,347	9,128	16,622	..	24,344	76,441	29·99	10·30	1935
1936 ..	23,315	8,240	12,235	..	21,400	65,190	38·19	12·18	1936
1937 ..	36,017	4,926	17,065	..	33,912	91,920	31·30	15·46	1937
1938 ..	22,789	3,138	35,337	..	21,970	83,234	24·57	5·61	1938
1939 ..	8,956	15,225	22,725	..	21,587	68,493	33·77	15·16	1939
1940 ..	34,309	1,666	25,465	..	28,240	89,680	25·74	6·23	1940
1941 ..	16,290	5,540	15,288	940	22,315	60,373	39·14	12·66	1941

* Owing to good rains early in the season throughout the Wimmera-Mallee Districts many channels were run without the necessity for drawing on Headworks Supplies.

In addition to the above, the following quantities have been released from Headworks at Pine Lake, Green Lake, and Dock Lake Storages for irrigation areas in Western Wimmera and Wimmera United Districts since 1933-34 :—

Year.	Area Watered in Acres.	Gross Supply Released from Headworks.
		Acre Feet.
1933-34	1,454	5,703
1934-35	1,760	6,197
1935-36	1,831	6,880
1936-37	2,079	5,343
1937-38	2,407	9,163
1938-39	2,545	8,571
1939-40	2,519	9,788
1940-41	2,697	10,389
1941-42	3,049	12,026

APPENDIX C.

STATE RIVERS AND WATER SUPPLY COMMISSION.

RETURN OF WATER DELIVERED—YEAR 1941-42.

District.	Gross Supply at District Offtakes (excluding volumes passed to other Districts).	Total Water Rights Allotted to District.	Delivered to Water-Users in Commission's District.				Delivered to Water-Users Outside District from District Channels.	Total Quantity Delivered from District Channels.	Delivered to Water-Users Outside District from Main Channels.
			Water Rights.	Sales of Water.	Domestic and Stock Purposes.	Total Quantity Delivered in District.			
	acre feet.	acre feet.	acre feet.	acre feet.	acre feet.	acre feet.	acre feet.	acre feet.	acre feet.
GOULBURN SYSTEM (Main Eastern Channel)—									
South Shepparton	5,997	4,404	3,329	915	28	4,272	..	4,272	10
Shepparton	33,189	21,417	17,680	766	573	19,019	32	19,051	1
North Shepparton	25,674	13,327	9,160	711	615	10,486	4	10,490	22
Katandra	7,845	7,336	6,266	509	147	6,922	..	6,922	..
Totals ..	72,705	46,484	36,435	2,901	1,363	40,699	36	40,735	33
(Waranga System.)									
Rodney	198,003	60,915	55,467	20,938	2,792	79,197	(a) 228	79,425	..
Tongala-Stanhope	93,624	47,904	47,448	7,364	216	55,028	..	55,028	..
Deakin	10,967	3,552	2,894	2,398	1,217	6,509	..	6,509	..
Rochester	126,448	57,565	56,620	20,966	2,807	80,393	..	80,393	1,384
Dingee	6,315	4,361	4,250	1,136	..	5,386	..	5,386	..
Calivil (including Loddon water) ..	14,414	6,519	6,519	2,311	411	9,241	..	9,241	..
Tragowel Plains (including Loddon water) ..	90,879	31,177	31,177	7,973	1,138	40,288	..	40,288	..
Loddon United (including Loddon water) ..	5,608	..	..	1,269	940	2,209	..	2,209	..
Boort (including Loddon water) ..	38,524	11,339	11,271	5,037	616	16,924	84	17,008	..
Normanville (including Loddon water) ..	1,746	..	..	..	388	388	..	388	..
Totals ..	586,528	223,332	215,646	69,392	10,525	295,563	312	295,875	1,384
Goulburn System Grand Totals ..	659,233	269,816	252,081	72,293	11,888	336,262	348	336,610	1,417
MURRAY SYSTEM—									
Murray Valley	*39,122	18,784	8,393	1,300	52	9,745	..	9,745	..
Cohuna	106,343	44,355	41,692	13,023	2,626	57,341	(b) 113	57,454	..
Koondrook	67,995	23,360	21,140	4,711	499	26,350	204	26,554	..
Kerang	49,866	18,901	18,229	10,005	875	29,109	291	29,400	..
Third Lake	6,478	2,513	2,521	106	..	2,627	34	2,661	..
Mystic Park	4,265	2,690	2,091	353	79	2,523	260	2,783	..
Tresco	2,529	..	..	2,324	..	2,324	..	2,324	..
Fish Point	2,908	1,845	1,746	382	46	2,174	..	2,174	..
Swan Hill	51,326	22,271	21,194	10,198	..	31,392	168	31,560	..
Pental Island Private Diversions ..	..	..	..	..	..	..	..	..	5,681
Kerang Private Diversions ..	..	..	..	..	..	..	..	..	1,300
Kerang Lakes Private Diversions ..	..	..	..	..	..	..	..	..	3,179
Upper Gunbower Creek Private Diversions ..	..	..	..	..	..	..	..	..	3,955
Lower Gunbower Creek Private Diversions ..	..	..	..	..	..	..	..	..	5,487
Taylor's Creek Private Diversions ..	..	..	..	..	..	..	..	..	987
Kow Swamp Private Diversions ..	..	..	..	..	..	..	..	..	2,527
Pyramid Creek Private Diversions ..	..	..	..	..	..	..	..	..	2,731
Totals ..	330,832	134,719	117,006	42,402	4,177	163,585	1,070	164,655	25,847
(Pumped from River Murray.)									
Nyah	10,154	7,380	6,943	129	309	7,381	(b) 24	7,405	..
Coreena	1,088	..	..	..	1,088	1,088	..	1,088	..
Red Cliffs	40,192	28,056	21,237	152	..	21,389	(a, b) 217	21,606	..
Carwarp	1,641	..	..	..	1,641	1,641	..	1,641	..
Merbein	28,388	19,315	15,493	301	..	15,794	..	15,794	..
Yelta	593	..	..	..	593	593	..	593	..
Millewa	13,856	..	..	..	13,856	13,856	..	13,856	..
Totals ..	95,912	54,751	43,673	582	17,487	61,742	241	61,983	..
Murray System Grand Totals ..	426,744	189,470	160,679	42,984	21,664	225,327	1,311	226,638	25,847
CAMPASPE SYSTEM—									
Coliban .. .. .	..	..	..	3,615	5,200	8,815	..	8,815	..
Campaspe	3,660	..	..	812	271	1,083	2	1,085	..
Totals ..	3,660	..	..	4,427	5,471	9,898	2	9,900	..
WERRIBEE SYSTEM—									
Bacchus Marsh	7,477	3,331	3,247	672	198	4,117	(b) 990	5,107	..
Werribee	16,701	8,155	7,705	2,362	401	10,468	(a) 507	10,975	..
Totals ..	24,178	11,486	10,952	3,034	599	14,585	1,497	16,082	..
MACALISTER SYSTEM—									
Maffra-Sale	60,561	22,338	21,884	4,781	142	26,807	709	27,516	..
Grand Totals ..	1,174,376	493,110	445,596	127,519	39,764	612,879	3,667	616,746	27,264
									644,010

* Includes 4,719 acre feet discharged to Broken Creek Systems.*

(a) Includes Waterworks Trusts.

(b) Includes Urban Districts.

APPENDIX D.
STATE RIVERS AND WATER SUPPLY COMMISSION.
LANDS UNDER IRRIGATED CULTURE.

The two Statements hereunder show the extent of Areas Irrigated—(A) during the year 1941-42 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 1941-42.

Name of District.	Area of District in Acres.	Area classified as Irrigable within Constituted Districts in Acres.	Water Rights Apportioned (including Extra Rights) in Acre Feet.	Area Irrigated, including Lands adjoining a District, in Acres.								
				Total Area Irrigated in Acres.	Cereals.	Lucerne Grown for Pasture and Hay.	Sorghum and Other Annual Fodder Crops.	Pastures, Native and Sown.	Vineyards.	Orchards.	Market Gardens.	Fallow and Miscellaneous.
<i>Goulburn System.</i>												
Katandra	13,966	11,184	7,336	6,028	321	952		4,719		36		
North Shepparton	121,722	61,365	13,319	10,785	131	2,095	88	8,338		24	26	83
Shepparton	24,485	21,417	21,417	14,638	102	434	124	4,708	36	7,600	1,622	12
South Shepparton	33,670	17,923	4,404	4,923		882	66	3,826		26	123	
Rodney	272,673	190,338	60,900	76,881	4,885	15,262	1,538	46,246	231	8,210	217	292
Tongala—Stanhope	76,160	47,663	48,089	41,338	3,832	8,671	493	26,027	24	1,939	16	336
Rochester	181,330	57,169	57,565	64,988	6,455	9,281	708	46,990	14	1,310	80	150
Dingee	8,849	4,361	4,361	4,301	408	52	95	3,742		4		
Calivil	61,135	32,597	6,519	13,083	2,252	1,153	469	8,912		20	134	143
Tragowel Plains	218,445	148,688	31,177	54,586	10,491	1,321	3,806	38,830		11		127
Deakin	160,149	14,092	3,552	6,611	1,215	1,105	189	4,023		3	8	68
Boort *	80,074	56,722	11,339	23,681	4,753	1,432	3,028	13,381		7		1,080
Totals	1,252,958	663,519	269,978	321,843	34,845	42,640	10,604	209,742	305	19,190	2,226	2,291
<i>River Murray System.</i>												
<i>(a) Torrumbarry Weir.</i>												
Cohuna	85,708	44,079	44,265	55,847	2,334	3,188	625	47,264	2	83	15	2,336
Koondrook	82,683	23,402	23,402	24,228	2,786	1,453	1,055	17,584		814		536
Swan Hill	37,101	22,268	22,271	20,366	2,319	4,466	463	8,222	3,610	598	86	566
Third Lake	11,482	3,771	2,513	3,149	155	98	74	2,818		4		
Mystic Park	20,260	7,928	2,600	2,805	873	98	31	1,777		10		16
Tresco	3,482	2,000		1,025	25	37		6	732	212		13
Fish Point	6,327	3,756	1,845	3,404	273	160	139	2,832				
Kerang	85,321	54,784	18,901	37,312	3,711	1,345	1,027	31,038		20		171
Dry Lake	1,806	779		550	60	10	80	400				
Kerang North-West Lakes	35,943			4,377	349	235	342	2,968	40	443		
Lands supplied direct (outside Districts)				17,539	2,469	2,545	373	11,949	1	43	33	126
Totals	370,113	162,767	115,887	170,596	15,384	13,635	4,209	126,858	4,385	2,227	134	3,764
<i>(b) Yarrawonga Weir.</i>												
Murray Valley	89,222	67,630	18,882	10,974	1,996	1,221	873	4,528		1,085	206	1,065
<i>(c) Supplied by Pumping Direct from River.</i>												
Nyah	3,847	2,775	7,124	2,959	28	191	35	37	2,494	128	4	42
Red Cliffs	30,955	11,223	28,056	11,389		165		50	10,729	445		
Merbein	10,354	7,726	19,316	7,902	63	84		108	7,028	559		60
Totals	45,156	21,724	54,796	22,250	91	440	35	195	20,251	1,132	4	102
Totals (River Murray System)	504,491	252,121	189,565	203,820	17,471	15,296	5,117	131,581	24,636	4,444	344	4,931
<i>Other Northern Systems.</i>												
Boort *				2,061	414	125	264	1,164		1		93
Coliban		10,431		5,302	59	183	96	842	21	3,615	466	20
Campaspe	19,725			1,048	393	215	25	412		8		
Western Wimmera		3,000		2,923	8	369	42	998	61	1,135	304	6
Wimmera United		410		126		59	25	42				
Totals	19,725	13,841		11,460	874	951	452	3,458	82	4,754	770	119
<i>Southern Systems.</i>												
Bacchus Marsh	6,655	3,331	3,331	3,291	24	1,220	25	1,695		156	117	54
Werribee	10,137	8,154	8,155	8,733	21	1,172	83	4,532		289	2,636	
Maffra-Sale	51,782	22,282	22,338	22,971	88	1,613	1,259	18,201	1			1,809
Totals	68,574	33,767	33,824	34,995	133	4,005	1,367	24,428	1	445	2,753	1,863
<i>Mildura and Private Diversions.</i>												
First Mildura Trust District	44,000	15,494		12,642		291	174		11,317	780		80
Private Diversions—Kerang (outside Districts)				1,973	186	40	188	1,559				
Other Private Diversions throughout the State				15,341	4,093	5,085	1,049	1,686	956	521	1,215	736
Totals	44,000	15,494		29,956	4,279	5,416	1,411	3,245	12,273	1,301	1,215	816
Grand Totals, 1941-42	1,889,748	978,742	493,367	602,074	57,002	68,308	18,951	372,454	37,297	30,134	7,308	10,020
Grand Totals, 1940-41	1,863,925	961,686	479,558	596,662	53,499	73,650	32,159	352,556	36,051	36,352		12,395

* Supplied from the Goulburn and the Loddon State Works.

(B) COMPARATIVE STATEMENT OF THE EXTENT OF IRRIGATION 1937-38 TO 1941-42.

Source of Supply.	Area Under Irrigation (Acres).				
	1937-38.	1938-39.	1939-40.	1940-41.	1941-42.
Goulburn System	311,059	259,676	263,795	315,515	321,843
River Murray System	210,084	183,573	176,697	206,579	203,820
Other Northern Systems	7,315	3,904	13,867	8,756	11,460
Southern Systems	31,444	32,687	34,408	33,887	34,995
Mildura Trust and Private Diversions	30,210	35,427	29,138	31,925	23,956
Totals	590,112	515,357	517,903	596,662	602,074

The total area irrigated was a record one of 602,074 acres, the largest area previously irrigated in any one year being 596,662 acres in 1940-41.

APPENDIX E.
STATE RIVERS AND WATER SUPPLY COMMISSION.

TOTAL STORAGES IN STATE.

In 1902 the total capacity of storages in the State was 172,000 acre feet. The present capacity of those under the Commission's direct control is 1,975,500 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, Rocklands, and Glenmaggie Reservoirs are completed, the combined capacities of Victoria's storages will be 2,664,000 acre feet.

EXISTING STORAGES.

Storage.										Full Supply Reduced Level.	Capacity.	
										Feet	Acre feet	Acre feet
<i>Goulburn System—</i>												
Eildon .. .. .	..	..	..	..	..	..	..	..	823·00	306,000		
Goulburn Weir .. .. .	..	..	..	..	..	..	..	..	408·00	20,700		
Waranga .. .. .	..	..	..	..	..	..	..	..	398·00	333,400		
												660,100
<i>Murray-Loddon System—</i>												
Hume Reservoir .. .. .	..	..	..	..	..	..	..	..	606·00 (a)			
Yarrawonga Weir .. .. .	..	..	..	..	..	..	..	..	412·80 (b)			
Torrumbarry .. .. .	..	..	..	..	..	..	..	..	285·00 (c)			
Euston .. .. .	..	..	..	..	..	..	..	..	159·00 (c)			
Mildura .. .. .	..	..	..	..	..	..	..	..	116·00 (c)			
Wentworth .. .. .	..	..	..	..	..	..	..	..	104·15 (c)	736,420		
Kow Swamp .. .. .	..	..	..	..	..	..	..	..	272·00	40,860		
Laanecoorie .. .. .	..	..	..	..	..	..	..	..	527·00	6,650		
<i>Kerang North-West Lakes—</i>												
Third, Middle, Reedy .. .. .	..	..	..	..	..	..	..	..	244·75			
Kangaroo, Racecourse, Charm .. .. .	..	..	..	..	..	..	..	..	241·00	69,400		
Cullens .. .. .	..	..	..	..	..	..	..	..	240·25			
Lake Boga .. .. .	..	..	..	..	..	..	..	..	226·50	29,650		
												882,980
<i>Wimmera-Mallee System—</i>												
Pyans Lake .. .. .	..	..	..	..	..	..	..	..	673·00	17,100		
Lake Lonsdale .. .. .	..	..	..	..	..	..	..	..	618·25	53,300		
Wartook .. .. .	..	..	..	..	..	..	..	..	1,500·00	23,800		
Taylor's 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 Whittou .. .. .	..	..	..	..	..	..	..	..	375·00	1,300		
Township Reservoirs and Mallee Tanks .. .. .	..	..	..	..	..	..	..	..	..	6,610		
												208,480
<i>Maffra-Sale System—</i>												
Glenmaggie .. .. .	..	..	..	..	..	..	..	..	244·00	104,500		
Stratford Service Basins .. .. .	..	..	..	..	..	..	..	..	..	20		
												104,520
<i>Coliban System—</i>												
Upper Coliban .. .. .	..	..	..	..	..	..	..	..	1,652·00	25,700		
Malmsbury .. .. .	..	..	..	..	..	..	..	..	1,477·00	14,400		
Lauriston .. .. .	..	..	..	..	..	..	..	..	1,566·00	12,000		
Spring Gully .. .. .	..	..	..	..	..	..	..	..	899·00	2,000		
Subsidiary Reservoirs .. .. .	..	..	..	..	..	..	..	..	..	4,750		
												58,850
<i>Werribee System—</i>												
Pykes Creek .. .. .	..	..	..	..	..	..	..	..	1,306·00	21,000		
Melton .. .. .	..	..	..	..	..	..	..	..	273·00	19,100		
												40,100
<i>Bellarine Peninsula System—</i>												
Wurdee Boluc .. .. .	..	..	..	..	..	..	..	..	441·50	10,000		
Service Basins .. .. .	..	..	..	..	..	..	..	..	..	800		
												10,800
<i>Mornington Peninsula System—</i>												
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
<i>Otway System—</i>												
Service Basins .. .. .	..	..	..	..	..	..	..	..	..	1,080		
<i>Miscellaneous—</i>												
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										..	..	1,975,500
ADDITIONAL STORAGE BEING PROVIDED BY WORKS IN COURSE OF CONSTRUCTION.												
<i>Wimmera-Mallee System—</i>												
*Rocklands .. .. .	..	..	..	..	..	..	..	..	644·00	..	264,000	
FURTHER STORAGE WHICH COULD BE PROVIDED BY COMPLETION OF EXISTING WORKS.												

APPENDIX F.

STATE RIVERS AND WATER SUPPLY COMMISSION.

VICTORIAN WATER SUPPLY STATISTICS.

AREA.	1941-42.	
Area of State of Victoria	87,884 square miles	= 56,245,760 acres
Area of rural and urban lands artificially supplied with water for domestic and stock and industrial purposes by channels, tanks, bores and pipe lines, excluding Melbourne Metropolitan area	20,255 square miles	= 12,963,100 acres
Area within Irrigation Districts		2,196,300 acres
Area Irrigated—1941-42		602,074 acres
Area within Flood Protection Districts		148,910 acres
Area within Drainage Districts		495,100 acres

AVERAGE ANNUAL RAINFALL.

Over State (87,884 square miles)	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 " " "

WATERWORKS—

Controlled by Commission—

Storages—Number of large reservoirs	35
Number of subsidiary reservoirs and service basins	222
Total capacity of storages, 537,000 million gallons = 1,975,500* acre feet.	
* Includes half share of Hume Reservoir and other River Murray Works.	

Channels—Length—

Irrigation	4,295 miles
Domestic and Stock	8,243 miles
Drainage and Flood Protection	2,115 miles
Total	14,653 miles

Pipes Lines—Length—

Mains	258 miles
Reticulation	824 miles
Total	1,082 miles

Tanks—Excavated—

Number in Wimmera Mallee Waterworks Districts	260 tanks
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Bores—

Number in Waterworks Districts	105 bores
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Water Deliveries—

Quantity water delivered from Commission's Works to water-users (excluding Wimmera-Mallee Waterworks System), 1941-42	644,010 acre feet.
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RURAL DISTRICTS—

Administered by Commission—

	Number of Districts.	Number of Farm Holdings.	Population.
Irrigation Districts	29	12,500	34,658
Waterworks Districts	31	32,508	105,459
Flood Protection Districts	4	1,311* (41)	3,430* (63)
Drainage Districts	13	4,608* (9,644)	4,450* (22,139)
77 districts	50,927 holdings	147,997 persons	

* Excluding figures in brackets which show the number of holdings and population in respect of lands also within an Irrigation District.

URBAN DISTRICTS—

Reticulated pipe supplies for domestic and industrial purposes—

	Number of Towns	Population.
Administered by Commission	126	137,150 persons
" " Waterworks Trusts	116	229,250 "
" " Local Governing Bodies	16	79,550 "
Totals	258 towns	445,950 persons

SEWERAGE AUTHORITIES—

Controlled by Local Authorities supervised by Commission

Number of Towns.				Population.	
21	(Systems operating)	..		161,560	persons
6	(Systems partly operating)	..		13,620	"
11	(Systems not operating)	..		24,730	"
				<hr/>	
38	towns	..	..	199,910	persons

EXPENDITURE ON COUNTRY WATER SUPPLY—

Total to 30th June, 1942—(a) Borne by the State	£21,770,012 14 5
(b) Borne by the Districts	6,149,176 17 4
Total	£27,919,189 11 9