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VICTORIA

STATE RIVERS AND WATER SUPPLY COMMISSION

FORTY-NINTH
ANNUAL REPORT
1953-54

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STATE RIVERS AND WATER SUPPLY COMMISSION

100-110 Exhibition-street,
Melbourne, C.I.,
13th December, 1954.

ANNUAL REPORT, 1953-54

In compliance with the provisions of the Water Acts, the State Rivers and Water Supply Commission has the honour to present to Parliament the following Report and Statement for the Financial Year 1953-54, and Estimates for the ensuing year.

L. R. EAST, C.B.E., Chairman.
M.C.E., M.I.C.E., M.ASCE., M.I.E.Aust.

H. W. McCAY, Commissioner.
B.C.E., M.I.E.Aust., M.I.W.E.

J. A. AIRD, Commissioner.
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L. DUGGAN, J.P., Secretary.

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ANNUAL REPORT

OF THE

STATE RIVERS AND WATER SUPPLY COMMISSION

FOR

YEAR ENDED 30TH JUNE, 1954.

SUMMARY OF REPORT.

The State Rivers and Water Supply Commission was constituted on 1st May, 1906, under the provisions of the Water Act 1905.

WATER SUPPLY.

The total capacity of water storages controlled by the Commission is 2,430,800 acre feet, including Victoria's half share of River Murray storages.

The total area of lands in Victoria supplied with water for domestic and stock purposes or for irrigation by channels, tanks, bores and pipe line is 15,226,700 acres.

The Commission's storages contained 1,905,000 acre feet at 1st July, 1953, and, at 30th June, 1954, they contained 2,084,000 acre feet.

Total water deliveries for the year from the Commission's irrigation systems were 835,072 acre feet.

The number of diversions from streams authorized under long-term licences and annual permits totalled 3,868.

DOMESTIC AND STOCK SUPPLIES.

The Wimmera-Mallee Waterworks System supplies water for domestic and stock purposes to almost the whole of the region known as the Wimmera, and to large portions of the Mallee districts, serving in all some 11,000 square miles of land used for wheat farming and pastoral pursuits.

IRRIGATION PRODUCTION AND DEVELOPMENT.

The area irrigated during the year was 820,000 acres and production from irrigated lands for year 1952-53 was valued at £34,720,000, both of which are all-time records.

WATER CONSERVATION PROJECTS.

The Commission, owing to limitations of Loan Funds, was unable to undertake any new water conservation projects but work was resumed on the Tarago River Diversion Works which had been completely suspended. It was not possible, however, to resume construction of the Cairn Curran Dam.

Excellent progress has been made on the construction of the Big Eildon Dam. Good progress is being made on the transfer of the township of Tallangatta to its new site at Bolga following upon the decision to enlarge the Hume Reservoir.

TOWN SUPPLIES.

Towns in the State having a reticulated water supply number 273 with a total population of 615,090. Of these towns, 130 are administered by the Commission and the balance, 143, by local Governing Bodies.

SOLDIER SETTLEMENT.

Owing to the success of the Robinvale Soldier Settlement, the Government has decided to extend the settlement by 80 blocks. The preparation of land for Soldier Settlement in the Murray Valley is nearing completion, whilst good progress has been made on the Soldier Settlement area in the Central Gippsland Irrigation District.

FINANCE.

The total receipts for water rates and charges for the financial year 1953-54, amounted to a record of £1,657,209, the previous highest collection being £1,285,499 in 1952-53. Other receipts amounted to £755,174.

The net Loan Liability of the State for works of water supply and drainage at 30th June, 1954, was £71,795,071, exclusive of the equity in National Debt Sinking Fund.

Of the net Loan Liability at 30th June, 1954, £3,913,867 is charged to Waterworks Trusts and other Local Governing Bodies ; £2,392,029 is debited to districts directly controlled by the Commission and to the Central Plant Workshops, Bendigo ; £1,511,084 is debited to the Plant and Machinery Account ; £68,141 to River Improvement Trusts ; £289,026 to Latrobe Valley Drainage ; and the balance, £63,620,925 is borne by the State.

The total Interest Charges for 1953-54 amounted to £2,338,293.

Waterworks Trusts and Local Governing Bodies paid to the Treasury as interest on loans the sum of £125,920.

In addition, Interest amounting to £63,379 in respect of Districts and Divisions under its control was met by the Commission.

In districts, the capital liability of which has been adjusted, the operation for the year resulted in a net loss of £69,811 after providing for interest, redemption, and depreciation.

A loss of £268,269 was incurred in operating districts to which the supply was continued by direction of Governor in Council. This amount was debited to the "Revenue Expenditure Chargeable to the State Account."

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 £3,052,155.

The value of stores and equipment held in the Stores Suspense Account as at 30th June, 1954, was £1,027,301.

The value of moveable plant and machinery held in the Plant and Machinery Account as at 30th June, 1954, was £1,511,084.

A sum of £90,616 was paid into Consolidated Revenue in respect of depreciation payments by Commission's Districts for the year 1953-54.

The amount at credit of Water Supply Plant and Machinery Depreciation Fund as at 30th June, 1954, was £561,824.

The arrears of water rates and charges outstanding at 30th June, 1954, was £261,222.

The amount included in the Budget Estimate for 1953-54 for Vote Expenditure on works and services under the control of the Commission is £2,878,859. This amount is £80,000 less than the Commission's estimated requirements.

RATING.

The total net annual valuation of properties within Irrigation and Waterworks Districts and Urban Districts and divisions thereof, including the Coliban System, amounted to £6,737,801.

The total number of rating assessments in the districts supplied with water by the Commission is 93,329, and the total number of assessments in Drainage and Flood Protection Districts is 7,384.

PART I.—GENERAL.

The total capital expenditure on rural water conservation and distribution works by the Commission last year was £8,571,544 out of a total allocation of £8,572,000.

The continued dry weather has enabled the very spectacular progress which has been made on the construction of the Big Eildon Dam to be maintained. If sufficient loan funds are available for the forthcoming financial year, it will be possible to complete the work within the year with the exception of the usual cleaning up associated with a work of this magnitude.

In view of the progress made on the dam, the Commission decided during the year that the time had arrived for preliminary action to be taken for the disposal of the Eildon township and the buildings associated with construction. With this in view, a booklet was produced giving details of the houses, workshops and other buildings that would become available for industries and other development at Eildon, and this booklet was distributed throughout Australia and in Great Britain. Many inquiries and offers were received for the township in part or in whole and these are now receiving consideration. It will not be possible, however, to give possession to any purchasers until the dam is completed in 1955.

The township offers an excellent opportunity for the establishment of decentralized light industries and preferences will be given in the disposal of the township to organizations which may wish to purchase it in whole or part for such purposes.

The Commission is also taking preliminary steps for the disposal of major items of plant which will become surplus to its own requirements at the conclusion of the work.

Although the Rocklands Dam was completed as late as May, 1953, it has already proved its worth in the dry period through which the State is now passing. Waters from that reservoir were used for domestic and stock purposes throughout the extensive Wimmera-Mallee system during the winter of 1954.

Channel reticulation of the very large Murray Valley District has been almost completed and in this area 1367 farms will be supplied with water for irrigation.

The Commission is pleased to report that during the year the Government was able to provide funds to enable the Commission to recommence the important Tarago Project, the purpose of which is to bring additional water for domestic and industrial purposes into the quickly expanding Mornington Peninsula water supply system.

Because of the early success of the 165 soldier settlers in the new Robinvale Irrigation District, the Commission was requested by the Soldier Settlement Commission to provide water supply works for an extension of that settlement by 80 blocks. This work is now proceeding.

The contractors engaged upon the construction of the duplication of the Goulburn-Waranga Channel have made substantial progress and the completion of this work is now in sight.

As was realized by the Commission when it advocated their establishment, River Improvement and Drainage Trusts are proving their worth in many parts of the State and additional Trusts were formed during the year. The highly important work of these bodies has, however, been unfortunately retarded by the lack of sufficient loan moneys.

All preliminary organization for the setting up of the new Latrobe Valley Water and Sewerage Board has been carried out and members of the various organizations who will become members of the Board have been nominated. It is expected that this Board will be appointed and have its first meeting on the 1st July.

Victoria has reached an all-time record in water used for irrigation, in the area irrigated, and in the value of production being received from the 15 million acres of the State which receive artificial supplies of water.

Production from the Victorian irrigation areas last year was valued at £35 million, half of which came from the Goulburn Irrigation System. It will be realized, therefore, how important it is to the State that the additional water from the enlarged Eildon should become available to producers on the land as early as possible, as it will enable production

to be increased by £17,500,000 per year. Shortage of staff, however, particularly engineers, surveyors, and draughtsmen is seriously delaying planning for the enlargement and extension of the Goulburn Channel System. Immediate action by the Public Service Board to obtain more staff for the Commission is essential.

The Commission has continued the difficult work of transferring the township of Tallangatta to its new site at Bolga and it is expected that the first of the residents of the existing township will soon be transferred with their homes and businesses to the new town.

Staff shortages brought about by sickness and resignation have also seriously affected this project where new and complex problems which have no precedent in Australia require the services of highly trained and skilled engineers and other administrative officers.

The Commission feels it obligatory to point out the very serious effect that shortage of experienced professional and administrative staff is having upon all of its activities. It is impossible under present conditions to investigate and plan many new and important water conservation projects awaiting attention in all parts of the State. Unless some action is taken to improve the staff position, the development of Victoria will be considerably retarded because of the Commission's inability to keep pace with the insistent demand for domestic, industrial and irrigation water supplies from all sections of the community. The serious staff situation has been brought about largely because of the failure of recruitment in the junior ranges of the Public Service over a number of years, and consequential development of shortages in all ranges as far as the Commission is concerned. Since control of staff was transferred by legislation to the Public Service Board in 1939, the Commission cannot recruit and employ staff except through the Public Service Board, and has no authority itself to create new positions to meet expanding responsibilities.

As a consequence, senior executives have been for a considerable time greatly overloaded by work which could be done by officers of lower classification and salaries, if such men were available, and the senior officers have been unable to give their full time to more responsible tasks. The efficiency of the whole organization has been seriously affected.

It is not generally realized that the expenditure of £8 million of loan money each year by the Commission not only increases the necessity for trained staff of all kinds in the actual expenditure of money, but this expenditure creates new water supply systems which must be efficiently operated and maintained for all time thereafter. As a particular instance, a great new irrigation province covering 270,000 acres and in which there are 1,367 irrigation blocks, has recently been created in Victoria. This rich area with the advent of water will contribute very considerably to the State's wealth, but the water supply channels throughout the system must be efficiently operated and maintained if the fullest advantage is to be derived from this system. The same applies to all other water supply works in which the State has now invested over £70 million.

Unless the Commission's staff requirements in all categories can be met, there must be inevitable delay in bringing to many parts of the State the undoubted benefits of an assured water supply.

RIVER MURRAY COMMISSION.

The meetings of the River Murray Commission were attended during the year by Mr. L. R. East as Victorian representative on the Commission.

Hume Reservoir Enlargement.

As part of the work associated with the enlargement of Hume Reservoir from its original storage capacity of 1,250,000 acre feet to 2,000,000 acre feet as authorized by the River Murray Agreement, the New South Wales Department of Public Works continued work on the enlargement of the dam embankments and on the construction of the new power station which is to house two 25,000 kW turbo-generators. At the present stage, the storage capacity of the reservoir is 1,382,000 acre feet. Although work on the embankments for a storage capacity of 2,000,000 acre feet is well advanced, water cannot be stored to this level until the transfer of Tallangatta township has been completed and gates have been installed on the spillway.

In 1951 the River Murray Commission recommended that the reservoir be further enlarged to 2,500,000 acre feet, which could be done in one continuous operation with the enlargement at present in hand. A conference of Commonwealth and State Ministers has now been arranged for July, 1954, to consider this recommendation which, if approved, will involve amendment of the Agreement.

Tallangatta Township Transfer.

Works in connexion with the transfer of the Tallangatta Township to the more elevated site at Bolga some 4½ miles distant were continued by the State Rivers and Water Supply Commission and good progress was made.

All roads in the new township have now been formed and gravelled; permanent water and electricity supplies have been installed; sites for the re-establishment of residences and business premises have been allotted, whilst construction of the new shopping centre and attached dwellings is proceeding.

SNOWY MOUNTAINS HYDRO-ELECTRIC SCHEME ADVISORY COUNCIL.

Pending finalization of the agreement between the Governments concerned, an Interim Advisory Council has been set up representative of the Commonwealth and the States of New South Wales and Victoria. The chief functions of this body are to report among other things upon:—

1. The nature, order, sequence, and rate of construction of works of the Snowy Mountains Hydro-Electric Authority;
2. Matters affecting the States in respect of the diversion, storage, and release of waters by the Authority;
3. Matters affecting the States in respect of the generation, transmission, allocation and use of the electricity generated by the Authority;
4. Matters affecting the States in respect of catchment areas.

The Chairman of the State Rivers and Water Supply Commission, Mr. L. R. East, is one of the two members representing the State of Victoria on the Council which has met on a number of occasions since the 1st July, 1953.

INTERNATIONAL COMMISSION ON IRRIGATION AND DRAINAGE.

The International Commission on Irrigation and Drainage, constituted in 1950, is an international organization for the purpose of pooling experience gained in the engineering, economic, and social aspects of irrigation and drainage for the mutual benefit of the participating countries. More than twenty countries, including Australia, have been admitted to membership.

The constitution of the International Commission provided for the setting up of National Committees within the member countries, and accordingly an Australian National Committee has been set up comprising representatives of Statutory Authorities, Government Departments, firms, and individuals actively interested in irrigation and drainage.

Chairman of the Australian National Committee is Dr. L. F. Loder, C.B.E., Director-General of the Department of Works and Deputy President of the River Murray Commission; Vice-Chairmen are Mr. C. C. Corbett, Chairman of the Water Conservation and Irrigation Commission of New South Wales, and Mr. L. R. East, Chairman of the State Rivers and Water Supply Commission of Victoria.

During April, 1954, the Second Congress of the International Commission on Irrigation and Drainage was held in Algiers. Mr. R. A. Young, Commissioner of the Water Conservation and Irrigation Commission of New South Wales, attended as official Australian representative, while three assistant engineers of the State Rivers and Water Supply Commission of Victoria, travelling overseas on extended leave of absence, attended as accredited observers. One of the latter, Mr. K. Murley, is reporting directly to the State Rivers and Water Supply Commission on the proceedings.

OVERSEAS VISIT.

Mr. G. N. Alexander, B.C.E., who is in charge of the Water Resources Section of the Investigations and Designs Branch of the Commission, was the Australian delegate to the Regional Technical Conference on Water Resources Development held under the auspices of the Economic Commission for Asia and the Far East (ECAFE) in Tokyo, Japan, from 17th to 22nd May, 1954.

This conference was attended by over 100 delegates from 17 member countries, and representatives from various technical organizations. Discussions centred around the hydrologic problems of the control of floods and the alleviation of droughts in the ECAFE region.

As the Australian Government had suggested that the subject of evaporation should be included on the agenda, Mr. Alexander was asked to open the discussion on this subject.

Four volumes of technical papers and two specially prepared manuals served as a basis for technical discussions.

Inspections in Central Japan followed the Conference, including the extensive hydro-electric developments and the "sabo" works, designed to protect Japan's intensively developed agricultural areas on the river plains.

PARLIAMENTARY PUBLIC WORKS COMMITTEE.

Following a conference at Geelong of municipalities within the Barwon River catchment to discuss the question of some authority being constituted to deal with river improvement along the Barwon River, and representations made by the Barwon River Valley Landholders Association, the Government requested the Parliamentary Public Works Committee to inquire into the question of the Barwon, the terms of reference being:—

- (a) "To inquire into and report as to the present position in regard to the condition of the Barwon River and its tributaries, with special reference to the effect of the "Breakwaters" across the lower Barwon River and the drainage of Lough Calvert and other inland basins into the Barwon River, and to report as to what action is necessary to provide for the carrying out and effective maintenance of comprehensive river improvements and drainage works within the catchments of these streams."
- (b) "Also to report as to the estimated cost of any action recommended."
- (c) "Any other matters which appear to the Committee to be relevant to the inquiry."

The Committee inspected various portions of the Barwon River catchment, and took evidence at Geelong. Officers of the Commission accompanied the Committee. The inquiry is still in progress.

TRANSFER OF THE BELLARINE WATER SUPPLY HEADWORKS.

In March, 1954, the Geelong Waterworks and Sewerage Trust requested that consideration be given to the transfer of the headworks of the Bellarine water supply system from the control of the Commission to the Trust.

Following on this request, negotiations were commenced between the Commission and the Trust with a view to such transfer being effected.

IRRIGATION PRODUCTION AND DEVELOPMENT—SEASON 1953–54.

SEASONAL CONDITIONS.

Despite good spring rains in many irrigation districts, the amount of water used early in the season was up to the average. Heavy rain fell in January, but from then on the season remained dry, and the rate of water delivery was above normal. This high rate of delivery was prolonged well into May due to continued dry conditions.

With the advent of modern machinery, there is a trend to more fodder conservation, which helps to maintain production at a more even level on irrigation farms.

The Valencia crop was excellent, but the 1954 Navel crop was lighter following the heavy crop in 1953. Despite the damage from January rains on early varieties, production of canning peaches was above average. A heavy crop of canning pears was also harvested. Rain damage to tomatoes in the Goulburn Valley coupled with a reduction in acreage, halved

the production in this area, but good prices gave satisfactory returns. The early humid conditions caused an increase in the incidence of fungus diseases of vines and other fruits, but the increased use of new fungicides gave better control. With the exception of currants, which were damaged by the January rains, the excellent drying season resulted in dried fruit crops of good quality and quantity.

GENERAL.

The area irrigated for the year under review was an all-time record of 820,000 acres which is 65,000 acres greater than ever before. This increase was due in part to additional areas coming under irrigation in the Murray Valley and Central Gippsland Districts. There were, however, also substantial increases in the area irrigated in some of the older districts.

For instance, an additional 18,000 acres were irrigated in the Torrumbarry District and 10,000 in the Goulburn Districts, whilst the Loddon System contributed a further 9,000 acres. There was also a very marked increase of 14,770 acres in the area irrigated by private diverters. Market gardening was the only type of culture to show a decrease over the previous years and this was mainly due to decreased plantings of tomatoes following a collapse of prices in the previous season.

The trend towards the irrigation of sown rather than native pastures noted in the previous year continued. The area of irrigated pastures was 612,000 acres, an increase of 46,500 acres over the previous highest figure.

State championship awards in the 1952-53 fodder conservation competitions were won by Mr. B. Hall, Katunga, in the section for a dairy farm under irrigation, and by Mr. S. Wood, an irrigator at Boort, in the section for grazing properties. In the Australian Cheese Championships, a second place went to a factory in an irrigation district, namely, the Stanhope and District Co-op. Co. Ltd.

Five out of the first six places in the herd test championships were occupied by herds from the irrigation districts of the State. For the first time since the inception of herd testing in 1912, two herds have tied for first place. These were Mr. H. Jackson of Lockington Jersey Stud, Lockington, and Mr. W. P. Drechsler, Berry Bank Jersey Stud, Swan Hill. Each herd returned an average yield in actual butterfat of 487 lb.

PRODUCTION.

(a) Irrigation Districts.

The estimated gross value of primary production from Victorian Irrigation Districts for 1952-53 was £34,720,000. Details of this figure are as follows:—

<i>Live Stock.</i>				£	£
Milk and Milk Products	..	..	..	9,100,000	
Beef and Veal Meats	..	..	..	1,550,000	
Wool, lamb and mutton	..	..	..	5,800,000	
Pigmeats	..	..	..	1,670,000	
Poultry and eggs	..	..	..	1,500,000	
					19,620,000
<i>Horticulture.</i>					
Dried Vine Fruits	..	..	..	5,600,000	
Table and Wine Grapes	..	..	..	300,000	
Canning Fruits	..	..	..	1,850,000	
Fresh and Jam Fruits	..	..	..	450,000	
Citrus Fruits	..	..	..	1,000,000	
					9,200,000
Vegetables	..	..	..	..	3,900,000
Other Primary Products	..	..	..	..	2,000,000
					34,720,000

The total is approximately 13 per cent. higher than the total for the 1951-52 season when the estimated gross value was £30,750,000. The increase was not evenly divided over all items and there were substantial changes.

Returns from Milk and Milk Products increased by 40 per cent. while returns from Beef and Veal Meats fell by 26 per cent.

Main reasons for the increase in Milk and Milk Products were the 22 per cent. increase in the total number of dairy cows and the price rise from an average of 51d. to 57d. per lb. of butterfat. On the other hand, the slight drop in meat prices, and the smaller number of cattle slaughtered, were responsible for the lower return from Beef and Veal Meats.

The estimated cattle population carried in Irrigation Districts continued to rise as is shown below :—

—					1951-52.	1952-53.	Increase.
							per cent.
Dairy Cows	..	..	..	..	126,769	154,130	22
Total Dairy Cattle	..	..	..	..	203,803	247,736	22
Total Beef Cattle	..	..	..	..	43,047	65,056	51

The large increase in beef cattle is probably due to their being retained on the farms in the hope of a more favourable market in the near future, and the abundance of feed owing to good seasons and improved methods of agriculture.

The number of pigs fell from a total of 52,330 last year to 45,840 ; however, the price of pigmeats increased considerably, creating a rise in the gross value of pigmeats. Sheep and lamb prices dropped slightly, wool production increased slightly, while the wool price rose from approximately 73d. to 81d. per lb. Sheep and lamb flock totals dropped from 1,475,000 to 1,376,000.

The above figures indicate a general trend from sheep to cattle.

Livestock Numbers.

Year.	Area of Irrigated Pastures and Forage Crops in Acres.	Number of Dairy Cattle.	Number of Beef Cattle.	Number of Pigs.	Number of Sheep and Lambs.	Estimated Total in Sheep Equivalent.
1949-50	100% 521,347	215,500	38,000	50,500	1,217,000	100% 2,617,675
1950-51	112% 581,757	211,500	40,500	56,500	1,346,000	102% 2,671,071
1951-52	113% 591,310	204,000	43,000	52,500	1,475,000	102% 2,668,346
1952-53	119% 619,650	247,000	65,000	45,500	1,376,000	114% 2,975,556

The above table sets out the estimated stock numbers and sheep equivalents carried in Irrigation Districts during the past four years, during which there was an increase of 14 per cent. The equivalent used for this table was one milking cow to ten sheep.

The production of dried fruit increased, and totalled more than 59,000 tons. The average price per ton to the farmer was £94.

Canned fruit production fell by approximately 3,000 tons, but nevertheless nearly 47,000 tons of canned apricots, peaches, pears were produced in Victoria.

Yields of wheat and oats were approximately the same as last year.

Prices of most primary products rose, and the increase in value of fruit produced was £100,000.

(b) Wimmera-Mallee Domestic and Stock System.

The estimated gross value of primary production for the 1952-53 season from the Wimmera-Mallee Districts was £40,500,000. Details of this figure are as follows :—

<i>Bores and Domestic and Stock Supply District—</i>							£
Cereals	..	..	..	..	..	..	29,160,000
Wool	..	..	..	..	..	..	7,300,000
Mutton, lamb, beef, and pigmeat	..	..	..	..	..	..	2,800,000
Miscellaneous	..	..	..	..	..	..	805,000
							<hr/> 40,065,000

Primary Production in Wimmera-Mallee and Bores District due to private diverters and others not already accounted for—

							£
Orchards	..	..	..	..	..	..	99,000
Citrus	..	..	..	..	..	..	65,000
Grapes	..	..	..	..	..	..	271,000
							<hr/> 435,000

(c) Cardinia and Lower Koo-wee-rup Drainage Districts.

The estimated gross value of primary production for the 1952-53 season from the above drainage districts, which cover nearly 83,000 acres, was £2,964,000, made up as follows :—

<i>Livestock—</i>							£	£
Milk and milk products	..	..	..	..	..	..	1,627,000	
Beef and veal meats	..	..	..	..	..	..	124,000	
Wool, lamb, and mutton	..	..	..	..	..	..	159,000	
Pigmeats	..	..	..	..	..	..	14,000	
Poultry and eggs	..	..	..	..	..	..	40,000	
							<hr/>	1,964,000
<i>Horticulture—</i>								
Fresh fruit	..	..	..	..	..	..	34,000	
Citrus fruits	..	..	..	..	..	..	3,000	
							<hr/>	37,000
Vegetables	..	..	..	..	..	..	..	934,000
Other primary products	..	..	..	..	..	..	..	29,000
								<hr/> 2,964,000

DISTRICT ADVISORY BOARDS.

Advisory Boards have continued their valuable assistance to the Commission and its officers in solving local water problems. There are now 25 such advisory boards operating in irrigation districts, and three in drainage districts.

DISTRICT APPEAL BOARDS.

During the year appeals against the description of lands and water right apportionment in the District Registers of Lands were received in the Mystic Park, Maffra-Sale, Central Gippsland, and Murray Valley Irrigation Districts. These were considered by Appeal Boards, on which the Commission, the Department of Agriculture, and the District Irrigators each have a representative.

SOLDIER SETTLEMENT.

The establishment of irrigation areas for soldier settlement was continued. In the Murray Valley and Central Gippsland Irrigation Districts good progress was made in preparing further areas for occupation by settlers. In the Horsham area, soil and contour surveys were obtained, and the designs for subdivision and irrigation supply completed. In addition, various problems arising from the development of Soldier Settlement in irrigation districts were handled by an inter-departmental committee comprising representatives of this Commission, the Soldier Settlement Commission, and the Department of Agriculture.

AGRICULTURAL RESEARCH AND EXTENSION.

Agricultural problems which are specifically related to irrigation were dealt with by the Commission's Irrigation Branch whose activities are described below.

JOINT INVESTIGATIONS.

In the Nyah-Woorinen and Tyntynder areas, investigations into problems of irrigated agriculture were continued by joint Committees, comprising representatives of this Commission, the Department of Agriculture, the C.S.I.R.O., and local irrigators. The Commission maintained its representation on the consultative committees of the C.S.I.R.O. Research Stations at Merbein and Deniliquin, and the Department of Agriculture Research Station at Tatura.

Experiments on the reclamation of salty land were continued in conjunction with the Department of Agriculture. Some improvement was obtained on both irrigated and dry land plots at Bundalagwah in the Maffra-Sale Irrigation District, while the improvement of an experimental area on irrigated land at Corop in the Deakin Irrigation District was very encouraging.

Irrigation facilities were extended to the Department of Agriculture for experimental pasture plots in a number of districts. In the Murray Valley Irrigation District, six plots have now been established out of a projected twelve, which aim at covering the major district soil types. In addition, the Department this year commenced experiments with trace elements on nineteen sites spread over the irrigation districts and covering a wide range of soil conditions.

SOIL SURVEYS AND LAND CLASSIFICATION.

In conjunction with the Department of Agriculture, the soil survey of Tragowel Plains, Calivil, and Dingee Irrigation Districts was continued. Field work was almost completed by the end of the year, and preliminary reports and working plans were prepared covering the northern portion of this area.

Land classification is still proceeding in all areas likely to be affected by new storages in the Goulburn and Loddon systems.

COMMITTEE OF ENQUIRY, MID-MURRAY DRIED FRUIT AREA.

During the year an inter-state Committee was set up by the Commonwealth Government and the Governments of Victoria and New South Wales. Its terms of reference were to report on the action which should be taken to rehabilitate the Mid-Murray Irrigation Settlements, to classify the existing holdings, to determine what changes should be made in the form of production and in production methods, and to report to the Government concerned on the financial implication of such changes and the adequacy of advisory services.

The Commission is represented on this Committee, which has held seven meetings since October, 1953, and is collecting evidence from organizations and individuals concerned.

WEED CONTROL.

Chemical weed control is now becoming an important activity in Commission Districts and it should substantially help to reduce maintenance costs. Moreover the work done is now well known throughout Australia and many inquiries are received from primary producers, official organizations and commercial companies.

During the season the programme of experiments has been continued on the chemical control of weeds which obstruct channels, drains, and natural water-ways. The primary aim is to provide a means of handling the main weeds which are cumbungi, water couch grass, jointed rush, and submersed weeds. Other weeds are less important, as they do not grow vigorously and mechanical control methods should prove relatively effective against them.

As a result of experiments and trials carried out over the last three years, economical and effective chemical methods have now been developed for controlling cumbungi, jointed rush, common water milfoil, buttonweed, and red azolla, and definite recommendations for the control of these weeds have been made.

Water couch grass and submersed weeds can also be effectively controlled, and although at present these chemical treatments are too costly for general use, it is thought likely that economical control methods will eventually be found. Willows have also been

controlled effectively but before the recommendations made can be finalized, a large-scale confirmatory trial is necessary. With cane grass and paspalum, however, results so far have not been conclusive and experimental work is proceeding.

Economical control methods for water couch grass and submersed weeds are still needed if chemicals are to be of maximum value in the overall maintenance programme.

GROUND WATER SURVEY.

Ground water records in the Tongala, Murray Valley, Maffra-Sale, and Central Gippsland Districts have been maintained. Ground water levels in the Werribee District were recorded for the first time last year. Attention is being focussed on drainage problems in these areas which either have a water table very close to the surface or appear likely, from ground water behaviour, to develop one in the future. Such areas have been found near Kyabram in the Tongala District and on the Tyntynder Flats in the Swan Hill District. Following relining of the channel system in part of the Werribee District, a marked improvement in the ground water position was recorded.

The influence of seepage from unlined channels on the water table in parts of the Murray Valley District has received special consideration, because of its adverse effect on crops, with a view to the design of economic channel linings.

The long-term investigation of the effect of irrigation on ground water was continued in the new Central Gippsland District, where changes in level and chemical composition before and after the introduction of irrigation are being followed.

WATER UTILIZATION.

A survey of the irrigation water requirement of permanent pastures was carried out in the Rochester District. This is the first of a series of such surveys, designed to obtain similar information for the main irrigated crops under varying conditions of soil and climate. A similar investigation has been commenced in the Rodney District. An investigation into the required frequency of irrigation for pastures was also commenced in the Rochester District.

Extension work aimed at increasing the efficiency of water use on farms was continued. This took the form of field days, radio broadcasts, published articles, and talks to farmers' organizations. Exhibits were also prepared for several country agricultural shows.

FARM WATER SUPPLIES.

This Branch deals with landholders who are not within the Commission's constituted districts where local staff is available to give advice.

The Commission's advisory service to landholders with regard to water supply, irrigation and drainage, made 68 inspections on properties and gave advice in 210 other cases.

There has been an increasing realization by landholders of the advantage of conserving surface runoff water from rainfall in storage dams for use when needed for the irrigation of small areas principally for the production of green fodder.

Many inquiries have been made into the use and merit of spray irrigation and the various types of equipment available for this purpose.

DISTRICT EXTENSIONS, EXCISIONS, AND ALTERATIONS.

Areas of 815 acres, not served by the Commission's channel system, were excised from Cohuna Irrigation District.

The Tyrrell Waterworks District was extended to include areas of 9,600 acres supplied by the Commission's works.

An area of 6,060 acres was excised from the Tyntynder North Waterworks District and added to Tyntynder Waterworks District. Areas of 2,500 acres and 830 acres, not supplied by the Commission's works, were excised from Tyntynder North and Millewa Waterworks Districts respectively.

URBAN DISTRICTS—ALTERATIONS.

220 acres, served by an extension of the reticulation system of the Coliban Urban District, was excised from the Axe Creek Waterworks District.

The boundaries of the Chelsea-Frankston Urban District were extended to include an area of 45 acres served by an extension of the reticulation system of that District.

ADMINISTRATION.

DEATHS AND RETIREMENTS.

The Commission records with regret the death during the year of the following officers :—

E. M. Hopkins, Clerk ; G. E. T. Bateman, Senior Assistant ; C. E. Griffin, Senior Inspector ; P. G. Oakley, Senior Ranger, and Miss W. P. Collins, Typist.

The Commission wishes to express its appreciation of the loyal and valuable services rendered by the following officers who retired during the year on account of ill-health or on attaining the statutory retiring age :—

Mr. E. J. Lupson, Divisional Engineer ; Mr. C. R. Thompson, Executive Engineer ; Mr. R. I. Walsh, District Engineer ; Mr. A. G. Lawson, District Officer ; Mr. L. V. Lovell, Mechanical Engineer ; Mr. A. T. N. Jewell, Hydrographer ; Mr. E. Wright, Clerk ; Mr. G. H. A. Sutton, Draughtsman ; Mr. E. G. Deveson, Senior Inspector ; Messrs J. Binks and S. J. J. Miers, Inspectors ; Mr. T. Holmes, Senior Water Bailiff ; Messrs R. Watt, A. E. B. Crockett and R. J. McDonald, Head Water Bailiffs ; Messrs. A. J. Huggins, D. B. Sutherland, W. E. Dryden, W. C. Pain, W. E. Hutson, H. E. Nation, and O. O. Eakins, Water Bailiffs ; Mr. T. A. Morton, Reservoir Keeper ; Mr. O. R. Bicker, Storeman ; and Mr. R. J. L. Hodge, Messenger.

RESIGNATIONS.

During the year 90 officers and employees resigned from the Commission's service, of whom 13 were engineers and surveyors, 12 were draughtsmen or draughtswomen, 31 were clerks, 19 were typists, 6 were bailiffs, and 9 other officers and employees.

STAFF.

The following statement shows the number of officers and employees on the Commission's staff at 30th June, 1954 :—

—					Males.	Females.	Total.
Professional Officers	..	..	..	..	296	2	298
Administrative Officers	..	..	..	..	170	..	170
Technical and General Officers	..	..	..	..	460	45	505
Total Permanent Officers	..	..	..	..	926	47	973
Temporary Employees	..	..	..	..	282	72	354
Totals	..	..	..	..	1,208	119	1,327
Percentage Employees on Temporary Basis					27 per cent.		

PART II.—WATER SUPPLY AND DRAINAGE.

WATER DISTRIBUTION.

The total area of land supplied with water for domestic, stock, or irrigation purposes during the year, exclusive of the area supplied by the Melbourne and Metropolitan Board of Works, was 15,226,700 acres.

RECORD WATER USE.

The total quantities of water used for irrigation in Victoria during the 1953-54 irrigation season was 1,011,556 acre feet, an all time record for this State.

Wet conditions prevailed in the winter and spring of 1953 and consequently there was not a heavy demand for water. From December to June, rainfall was generally below normal, bringing about a consistent and almost uniform demand for water for irrigation to and beyond the end of the season on the 30th April.

At the commencement of the irrigation season on the 1st September, 1953, the volume of water in the Commission's main storages, including Victoria's half share of the water in Hume Reservoir and Yarrawonga Weir, was 2,294,520 acre feet against a total capacity of 2,368,420 acre feet.

DELIVERY TO LANDS IN IRRIGATION DISTRICTS.

The total quantity of water delivered for irrigation in all of the Commission's districts was 835,072 acre feet, including 70,243 acre feet by pumping in the Red Cliffs, Merbein, Robinvale, and Nyah districts. In addition 41,154 acre feet were pumped by the First Mildura Irrigation Trust for the irrigation areas under its control. In the previous year the total quantity delivered was 773,052 acre feet. Water deliveries on to the land in the Goulburn System totalled 363,268 acre feet, whilst 176,673 acre feet were delivered in the Torrumbarry System and 113,111 acre feet in the Murray Valley Irrigation District.

The quantity of water supplied for irrigation to lands outside the Commission's districts was 46,484 acre feet, bringing the total volume of water delivered to the lands to 881,556 acre feet. In addition private diverters pumped 130,000 acre feet on to lands under their direct control from various streams throughout the State. This brought the total quantity of water used for irrigation in Victoria to the already mentioned record figure of 1,011,556 acre feet. This is the first occasion on which the use of water has exceeded 1,000,000 acre feet.

623,496 acre feet were released from the Waranga Reservoir of which 265,443 acre feet were delivered to the land and 9,970 acre feet passed on at Loddon Weir to the Wimmera-Mallee waterworks districts. The quantity of water delivered to the land was 44.2 per cent. of that released from that storage.

The volume of water released from the Goulburn Weir and the Goulburn-Waranga Channel for the eastern portion of the Goulburn system amounted to 245,522 acre feet, of which 99,750 acre feet or 40.6 per cent. was delivered to irrigators. Of the total volume of 869,018 acre feet of water released from the headworks of the Goulburn system, the volume delivered to the land was 365,378 acre feet which with the 9,970 acre feet passed on to the Wimmera-Mallee represented a delivery efficiency of 43.2 per cent. from headworks to irrigators.

PRIVATE WATER USERS.

DIVERSION OF WATER.

In accordance with section 188 of the Water Act, the control of the use of water for rivers, creeks, streams, and watercourses, lakes, lagoons, and marshes was strictly carried out by the Commission.

On the 30th June, 1954, 599 licences issued for periods of up to fifteen years were in existence authorizing the holders to irrigate a total area of 32,863 acres and to take water for domestic, stock, and industrial purposes. There were also 3,269 annual and special permits for the irrigation of a further 45,261 acres. The total area authorized to be irrigated under licences and permits for the year was 78,124 acres as against 74,352 acres in the previous year. During the year an additional 92 applications for diversion licences were approved making a total of 1,082 up to the 30th June, 1954.

The following table shows the number of licences and permits in existence and the areas which may be irrigated under these authorities:—

—	Domestic and Stock.	Industrial.	Irrigation.						Totals.
			Vineyards.		Orchards.	Market Garden.	Tobacco.	Pastures Lucerne and Miscel- laneous.	
			Dried Fruit.	Table and Spirit.					
Licences—									
Number in force ..	1	5	..	..	593		..	..	599
Area authorized to be irrigated (acres) ..	..	..	1,220	1,649	4,767	1,640	37	23,550	32,863
Permits—									
Number in force ..	1,313	136	..	..	1,820		..	..	3,269
Area authorized to be irrigated (acres) ..	..	..	259	259	966	2,133	620	41,024	45,261
Total area authorized to be irrigated (acres) ..	..	..	1,479	1,908	5,733	3,773	657	64,574	78,124

ADVISORY COMMITTEES—YEAR 1953-54.

The Advisory Committees set up by the Commission to assist it in the control and utilization of the waters of various rivers and streams throughout the State have continued to successfully function during the year. There are now 22 Advisory Committees in existence under the Chairmanship of the Commission's Superintendent of Water Distribution and they are of material assistance in bringing about the equitable distribution of waters in rivers and streams from which irrigators operating under licences or diversion permits obtain their supplies.

GOULBURN DIVISION.

The Goulburn Division includes the Rodney, Tongala-Stanhope, Deakin, Shepparton, South Shepparton, North Shepparton, Katandra, and Murray Valley Irrigation and Water Supply Districts, the Loch Garry and Kanyapella Flood Protection Districts, Stanhope, Tallygaroopna, and Corop Urban Divisions, and embraces an area of nearly 1,000,000 acres.

The Murray Valley District is supplied from the River Murray via Yarrawonga Weir; the Shepparton, South Shepparton, North Shepparton, and Katandra Districts from waters diverted from the Goulburn River by the Goulburn Weir into the East Goulburn Main Channel; the Rodney, Tongala-Stanhope, and Deakin Districts from waters diverted to the west side of the Goulburn River into the Goulburn-Waranga Channel, Waranga Basin, and Waranga Western Channel.

The irrigation season commenced with the storages full but owing to the good spring rains very little water was supplied for irrigation until about the middle of November. The demand for the rest of the season was heavy except for a period of three weeks following heavy rain at the end of January.

In the Murray Valley District, the reticulation of which is, so far, incomplete, water was supplied through 548 miles of channels to 91 per cent. (245,437 acres) of the district, the actual area irrigated being 68,300 acres. The peak supply in the Yarrawonga Main Channel was 685 cusecs and an overall efficiency of 65·8 per cent. was obtained in this District.

In the Rodney Irrigation District, there was little variation in the types of crops watered except for market gardens which decreased by 50 per cent.

Channel maintenance was carried out in all the districts and was facilitated by the introduction of new methods and machines. The Cranvel Back Hoe was found to be very satisfactory for the cleaning out of small drains while the spraying of cumbungi in channels and drains was also very effective.

The gravel coring of 10 chains of a spur channel where trouble had been experienced because of leaks proved successful.

The bars in the Loch Garry Regulator had to be removed during October, 1953, because of flooding in the Goulburn River. The operation of the Regulator proved to be of great benefit to landholders protected by the works.

Heavy rain varying from 5 to 10 inches fell over the whole of the Goulburn Division at the end of January and caused flooding in various areas. The flooding was fairly extensive in parts of the soldier settlement area at Strathmerton and Yarroweyah in the Murray Valley District. Thirty claims for flood damage were made against the Commission.

To minimize future damage from flooding, the Commission has purchased a number of portable pumps to be available to settlers for the emergency pumping of flooded lands when the necessity arises.

The Soldier Settlement Commission is also purchasing pumps for the same purpose.

Three thousand four hundred acres in the Murray Valley Irrigation District were contour surveyed and layout plans were prepared for 99 irrigators.

LODDON DIVISION.

The Loddon Division embraces an area of 2,500 square miles and extends on its southern limits from the vicinity of Rochester westerly to the Avoca River, whilst its northern boundary is the River Murray from Echuca to Tyntynder just downstream of Swan Hill.

The Division includes the district centres of Swan Hill, Kerang, Cohuna, Boort, Pyramid, and Rochester, and is composed of 13 irrigation and water supply districts, 6 waterworks districts, and 10 urban districts and divisions.

The Goulburn and Loddon water supply systems provide the source of supply for lands south of the Macorna Channel which, together with the rest of the Torrumbarry supply system, serving lands to the north, draws its supply from the River Murray. With the exception of the Tresco irrigation district and the Gredgwin section of the Normanville waterworks district which are supplied by pumping, all districts in the division draw their water supplies from the main carrier systems by gravitation.

Watering commenced on the 1st September, 1953, and continued without interruption until the end of the season. A total of 35,500 acre feet of water was delivered and 21,955 acres of land irrigated. Watering conditions were greatly improved in the Woorinen area as a result of repairs made to the Beverford Main Channel during the previous year. A further 70 chains of this channel was reconditioned by guniting during the present year. The first stage of a project to provide drainage for surplus waters from the Tyntynder flats was completed by the construction of a major channel escape at the disused pump site and the construction of a connecting channel between the Murraydale spur and the Centre channel.

In the Woorinen area the southern drainage basin has been maintained at a satisfactory level. The use of hormone sprays has eliminated all cumbungi and there are no signs of its regeneration up to the present.

In the Tresco district, 5,900 acre feet of water were pumped from Lake Boga whilst 6,168 acre feet were supplied to provide irrigation diverters on Pental Island, and 891 acre feet to licence holders in the Long Lake area.

Rainfall for the year in districts controlled from the Kerang centre was normal, but owing to the dry autumn there was a keen demand for water until the end of April when all channels were running to maximum capacities to meet the needs of irrigators watering annual pastures.

The contour supply channel around Kow Swamp was in use for the full watering season and works now in progress for the construction of a concrete flume across the Pyramid Creek will further improve water supplies to the Kerang district when work is completed. Sixty-nine thousand two hundred and eighty-five acre feet of water were delivered to users in districts controlled from Kerang compared with 65,537 acre feet last season.

A very significant drop in the water level of the Pyramid Creek was achieved by the clearing of 15 miles of the channel by means of the weed launch. This work enabled the required stream flow to be maintained throughout peak periods. The spraying of 17 miles of channels for cumbungi eradication brought about encouraging results.

In the Koondrook Urban Division a new 8-inch diameter rising main and electrically powered pump were installed. The pump unit serving the Murrabit urban area was reconditioned and the storage basin was fenced.

In the Cohuna District, the demand for water was steady during the season and by the end of December, in spite of 829 points of rain, 25,000 acre feet of water were delivered. The late summer and autumn months were very dry and a strong demand for water was maintained until the end of April by which time 65,936 acre feet had been delivered to district irrigators. A further 20,366 acre feet were supplied to licence and permit holders outside the district boundaries.

In the Horfield and Gannawarra areas, a weed cutting launch was effectively used to clear weed growth from waterways. In addition some 20 miles of channels and drains were sprayed with hormones for the eradication of cumbungi. Water rats again proved troublesome and caused a number of washouts around structures. Very few irrigators have taken out permits to destroy water rats, and it would seem that this method of control will not achieve the required results.

Prior to the commencement of the irrigation season repairs and replacements were made to the old Torrumbarry inlet structure. At the termination of the irrigation season work was commenced for the replacement of this structure by a reinforced concrete regulator with power operated steel gates.

In the districts controlled from the Pyramid Centre 61,688 acre feet of water were delivered to irrigate 73,000 acres compared with a total delivery for the previous year of 57,200 acre feet. At Tragowel Plains 43,500 acre feet were delivered—this total has been exceeded only once during the previous ten years. The average rate of delivery reached in the Dingee, Calivil, and Tragowel Plains Districts for the period 20th February to 1st May was equivalent to the delivery of the whole of the water rights in 123 days. The delivery efficiency achieved in the Tragowel Plains District was 55 per cent.

Irrigation commenced in the Boort Centre during August, 1953, but flood conditions in the Loddon River necessitated the removal of the bars on the Loddon Weir twice during the early part of the season and caused temporary interruption to water deliveries. The demand for water was light in the early part of the season, but became heavier during autumn. 20,000 acre feet of water were delivered to irrigators, compared with 17,000 acre feet during the previous season.

The district rainfall was above normal during the year with good falls in July and August which reduced the demand for irrigation supplies in the early part of the season. Rainfall during the summer and early autumn was, however, below normal and the channels were maintained at full capacities until the end of the irrigation season when substantial rains curtailed the demand for sales of water after the season had closed.

There was considerable weed growth in some of the channels and drains necessitating constant weed cutting during the year to maintain required channel discharges. Control of weed growth by means of hormone sprays has given such promising results that arrangements are being made for their widespread use in the coming season.

The Swan Hill irrigation district recorded high yields in all phases of pastoral production, and subdivisions and land sales continue to increase. Climatic conditions were favourable for dairying and fruit growing, the season's dried fruit pack for the mid-Murray area reaching 8,600 tons. Although this was less than the previous year, a very large part of the pack was of unusually high quality. The Swan Hill butter factory processed 900 tons of butter fat.

In the Normanville Waterworks District, 493 dams were filled with water for domestic and stock purposes together with 249 in the West Loddon District. In the Rochester District there was little demand for irrigation water until mid-October; from then on the demand remained normal until the end of January when following a fall of 4 inches of rain, watering ceased for some days. Dry conditions in the autumn brought about a demand exceeding available supplies and deliveries to irrigators had to be rationed for a period of nine weeks in which the delivery rate was equivalent to the whole of the water right in 123 days. Eighty-two thousand two hundred and forty-five acre feet were delivered for the season.

During the year 96 steel doors and frames were installed to replace wooden meter doors in the district.

Mr. H. A. Schier made portion of his property available for an experiment on the irrigation of paspalum dominant pastures, for which the Commission expresses its thanks. Mr. E. P. Robinson of the Commission's Irrigation Branch was in charge of the experiment.

GIPPSLAND AND SOUTHERN DIVISION.

The Gippsland and Southern Division was extended during the year to include the Flood Protection Districts of Koo-wee-rup and Cardinia, and the Drainage District of Carrum.

The Division now comprises Maffra-Sale, Central Gippsland, Bacchus Marsh, and Werribee Irrigation Districts, as well as the Heyfield Urban Division, the Werribee Waterworks District, and the Drainage and Flood Protection Districts of Koo-wee-rup and Cardinia and the Drainage District of Carrum. The Division now embraces a total area of 262,600 acres.

The Pyke's Creek, Melton, and Glenmaggie Storage Reservoirs, which supply the irrigation and waterworks districts within the Division, were all full prior to the commencement of the irrigation season and thus all water requirements were met without difficulty. At the end of the irrigation season, the reservoirs had large reserves of water and by the end of the year, Glenmaggie Reservoir had filled to capacity whilst Pyke's Creek was within 2,400 acre feet of full supply and Melton within 500 acre feet of its total capacity.

Water delivered to the Bacchus Marsh Irrigation District during the year represented 153 per cent. of the total district water rights and the high delivery efficiency of 85 per cent was obtained.

Land sales in the Bacchus Marsh District reached as high as £600 per acre for a 7-acre sale and £568 per acre for 16 acres.

In the Werribee District water deliveries for the season represented 102·9 per cent. of the district water rights.

Heavy rain on the 13th January, when 3 inches fell over a part of the district, was followed three days later by a fall of over 6 inches in three hours. The rain on the 16th January caused temporary flooding over large areas of the district, and hail and strong winds which accompanied the rain caused considerable damage to vegetable crops, orchards, and poultry pens.

Prior to the irrigation season, 3½ miles of the channel system were "Gunitite" lined in Section "K". This work brought about a reduction in water losses from seepage and increased efficiency in delivery. The work also brought about a lowering of the ground water table in the area in which the channels are situated.

This work was continued on other channels in the district at the end of the irrigation season.

Land valuations in the Werribee Irrigation District showed an increase over previous years and at one subdivisional sale, blocks were sold for £575 to £610 per acre.

In the Maffra-Sale District the rainfall for the year was 2,765 points, more than 4 inches above average.

Rain fell in October and late January, whilst dry spells with heavy demands for water occurred from mid-December to late January and through March until the end of the season.

Water deliveries for the year were 27,985 acre feet.

Considerable success was obtained by the use of chemical sprays to destroy weeds in drains—the trials of the various weed-killers being carried out in conjunction with the Irrigation Branch.

When it became apparent that the break-away in the Thomson River at Cowwarr was almost certainly becoming the new course of the River, a new project for the supply of water to the Heyfield Urban Division involving pumping from the Main Southern Channel was commenced.

In the Central Gippsland Irrigation District, additional holdings in the Soldeir Settlement area were developed for the Soldier Settlement Commission and irrigated, and a total of 5,421 acre feet of water was delivered for irrigation during the year in the new area.

DRAINAGE AND FLOOD PROTECTION.

On the highlands surrounding the Koo-wee-rup and Cardinia Flood Protection Districts, 4 inches of rain fell over a 24-hour period at the end of October. This brought about a flooding of a considerable area of rural lands on the southern side of the Main Canal and in eastern portions of the Koo-wee-rup District for brief periods. Only minor flooding of two small areas occurred in the Cardinia District, however.

In the Koo-wee-rup District, mechanical excavators reconditioned and re-graded the large "Western Boundary Outfall" and a substantial length of McDonalds Outfall.

During the year, following the completion by the Country Roads Board of the road deviation and eastern approach to the new bridges at Bayles, considerable progress was made with the earth work operations of the Yallock Outfall Works between the bridges and the abandoned Bayles-Strezlecki Railway.

Operating under an arrangement with the Commission, privately owned suction plants have removed a further 34,000 tons of coarse clean sand on the Koo-wee-rup Main Canal and 3,000 tons on the Cardinia Drain. The total amount of sand removed from the Main Canal since 1925 now amounts to 845,000 tons.

The installation of pumping units at the Mordialloc and Carrum ends of the Carrum Swamp Drain was completed early in the year and satisfactory pumping tests were made.

WIMMERA-MALLEE DIVISION.

The Wimmera-Mallee Domestic and Stock System, serving 11,000 square miles, approximately one-eighth of the State of Victoria and embracing the whole or part of seventeen municipalities, is the most extensive system of its kind in the world.

The catchments of this System cover an area of over 2,000 square miles, extending from the head of the Wimmera River, 30 miles north-west of Ballarat, along the Dividing Range to the western Range of the Grampians, 30 miles northerly from Hamilton.

The main reservoirs, with the exception of Wartook Reservoir at the head of the McKenzie River in the heart of the Grampians and the Rocklands Reservoir on the Glenelg River near Balmoral, are situated between the Wimmera River and the Grampians Mountains.

The total storage capacity of the Wimmera-Mallee System is 538,900 acre feet.

Seventy-two thousand acre feet of water are distributed by gravitation from these storages through approximately 6,500 miles of Commission channels and 4,000 miles of private channel to fill something like 10,000 farmers' tanks once each year during the winter or spring months, it being the responsibility of farmers to provide storages sufficient in size to meet their domestic and stock requirements for at least a year.

Forty-seven towns with a total population of 40,000 people are also supplied with water by the channels of the Wimmera-Mallee System, the total population of the area served being more than 80,000 people.

A limited area of land comprising 3,500 acres of orchards and pastures is being irrigated in the vicinity of Horsham and Murtoa. With the completion of the Rocklands Reservoir, this irrigation area is being extended to 7,000 acres.

Seasonal conditions during the year were again good and all storages were practically filled to capacity at the end of the watering season in November, following good rains in the catchment areas during the winter and early spring. The domestic and stock water supply requirements of all districts were fully met.

Walpeup West.

Following a request from the Walpeup West Advisory Board for the excision from the District of nearly the whole of the Murrayville Riding, most farmers in that area having provided their own bores, the District has been reduced in area from approximately 2,393 square miles to 416 square miles.

Eleven bores in the area excised are to be discontinued, leaving 44 bores with windmill and tank equipment to be maintained by the Commission.

Millewa.

In this District of 822 square miles a good season was again experienced both agriculturally and from the point of view of the running of the Commission's channels, water being supplied from pumps on the River Murray at Merbein, Red Cliffs, and Cullulleraine respectively.

Tyntynder North.

This District covers an area of 385 square miles, 148 of which received its supply of water from the River Murray by means of the Pumping Station at Robinvale, and 236 square miles from the Wimmera-Mallee Domestic and Stock System.

Upper Wimmera United.

Surveys were completed during the year and the construction of the channel to extend the Domestic and Stock supply to an area of some 10½ square miles in the Parishes of Wooroonook, Charlton West, and Teddywaddy was commenced.

Wimmera United.

During the year surveys were completed for a pumped Domestic and Stock Supply to an area of 20 square miles of high lands in the Parishes of Gre Gre, Darkbonee, and Swanwater adjacent to the boundary of the Wimmera United Waterworks District. Construction work will be completed during the coming year and the area so commanded will be added to the Wimmera United Waterworks District.

Wyhitella.

The domestic and stock supply system is being extended to supply an area of 5 square miles in the Parishes of Narrinillock and Glenloth. The construction of the channel has been commenced and will be completed during the coming year.

SAND DRIFT.

The planting of 600 acres of rye corn on channel banks and areas liable to drift, together with the campaign to prevent fallowing of these areas, again reduced the amount of sand to be removed from channels in the Wimmera and Mallee to 1,025,000 cubic yards.

Tractors and hydraulic scoops, Briscoe, Chatlia, and Parex Ditchers, as well as a limited number of horse teams were used for removal of the sand and for general maintenance.

These machines cleaned approximately 1,100 miles of channels in a very economical and satisfactory manner.

Most of the channel cleaning is now being carried out by mechanical equipment and although the volume of sand removed since 1949-50 has remained about the same, the general rise in operations cost has increased the annual amount of expenditure.

The following table shows the cost of removal of sand from the Wimmera-Mallee Domestic and Stock channels from 1945-46.

Figures for earlier years since 1928-29 are contained in previous reports.

Year.	Financial Year.			Calendar Year.	
	Cost per Fortnight for Horse Teams.	Approximate Quantity of Sand Removed.	Total Cost.	Year.	Total Cost.
	£	cubic yards.	£		£
1945-46	42	12,297,000	322,827	1945	312,419
1946-47	43	6,954,000	187,017	1946	249,284
1947-48	46	2,440,000	70,179	1947	92,193
1948-49	64	1,540,000	61,629	1948	55,876
1949-50	68	1,187,000	52,437	1949	57,866
1950-51	84	1,159,000	60,852	1950	53,262
1951-52	96	1,348,000	80,922	1951	70,479
1952-53	106	1,297,000	69,827	1952	87,874
1953-54	107	1,025,000	63,447	1953	64,105

Nyah.

Six general irrigations and one special pumping for Domestic and Stock requirements were provided during the year.

A fair average season for the production of dried fruit was experienced during 1953-54, and reports from the packing houses show a total yield of 3,022 tons compared with 3,371 tons in 1953, 2,910 tons in 1952, and 1,481 tons in 1951.

The 1954 tonnage of 3,022 tons represents the amount of dried fruit received at the packing houses but does not include consignment of fresh fruit to markets or distilleries.

These consignments were not as heavy as in some of the previous years.

Particulars of the six irrigations given in 1953-54 are :—

Irrigation Number.	Period.	Acre Feet Pumped.	Equivalent Average Depth per Watering.
			inches.
1*	16th September, 1953, to 29th September, 1953	1,795	7.4
	2nd October, 1953, to 7th October, 1953		
2*	4th November, 1953, to 5th November, 1953	1,595	6.8
	6th November, 1953, to 7th November, 1953		
3	11th November, 1953, to 26th November, 1953	1,694	6.7
4	2nd December, 1953, to 19th December, 1953	1,791	7.6
5	31st December, 1953, to 18th January, 1954	1,690	6.8
6*	2nd February, 1954, to 19th February, 1954	1,074	6.1
	14th April, 1954, to 15th April, 1954		
	21st April, 1954, to 2nd May, 1954		
	Total Season 1953-54	9,639	6.9

* Irrigation interrupted by rain.

Figures do not include Special Domestic and Stock Watering 17th to 19th March, 1954 = 200 acre feet.

Red Cliffs-Merbein.

Irrigation commenced on 25th August, 1953, in Red Cliffs and on 2nd September, 1953, in Merbein.

Water was made available for six irrigations in both districts.

The season saw the introduction of a split fifth irrigation at both Red Cliffs and Merbein.

Blanket-weed caused trouble at the fourth irrigation in both districts.

The season for the production of dried fruit was again good and reports from the packing houses show a total yield of 46,717 tons compared with 51,801 tons in 1953, 42,901 tons in 1952, and 30,943 tons in 1951.

Particulars of the six irrigations given in 1953-54 are :—

Red Cliffs.

Irrigation Number.	Period.	Acre Feet Pumped.	Equivalent Average Depth per Watering.
			inches.
1	25th August, 1953, to 19th September, 1953	7,481†	7.8
2*	29th October, 1953, to 8th November, 1953	7,738	8.2
	18th November, 1953, to 5th December, 1953		
3	8th December, 1953, to 2nd January, 1954	7,219	7.6
4	12th January, 1954, to 9th February, 1954	8,068‡	8.6
5	18th March, 1954, to 23rd March, 1954	994	8.7
	30th March, 1954, to 22nd April, 1954	6,012	
6	19th May, 1954, to 25th May, 1954	836	5.7
	Total Season 1953-54	47,348	7.7

* Irrigation interrupted owing to rain.

† Includes 247 acres frost run-through.

‡ Includes 877 acres harvest run-through.

▲, B. Split fifth irrigation.

Merbein.

Irrigation Number.	Period.				Acre Feet Pumped.	Equivalent Average Depth per Watering.
						inches.
1	2nd September, 1953, to 25th September, 1953	..	..		4,766	7·2
2	11th November, 1953, to 4th December, 1953	..	..		6,368	9·2
3	16th December, 1953, to 6th January, 1954	..	..		5,936	8·6
4	18th January, 1954, to 11th February, 1954	..	..		6,711†	9·7
5	{ A 5th March, 1954, to 12th March, 1954 B 7th April, 1954, to 26th April, 1954 .. .. .	..	..	..	1,082	} 7·4
6		..	..	..	5,000	
	27th May, 1954, to 4th June, 1954	..	..	..	1,435	5·6
	Total Season 1953-54	..	..	..	31,298	7·9

† Includes 1,870 acres harvest run-through. A. B. Split fifth irrigation.

Robinvale.

Of the 166 blocks in the Robinvale area occupied by soldier settlers, 135 are producing dried fruit.

Very high yields were obtained during the season, one settler in particular producing as much as 55½ tons of dried fruit. The total tonnage produced for 1954 was 4,383 tons.

Details of crop averages are as follows :—

									cwt.
29	blocks,	5th	year	bearing,	average	per	acre	..	40·1
24	„	4th	„	„	„	„	„	..	37·1
32	„	3rd	„	„	„	„	„	..	36·1
15	„	2nd	„	„	„	„	„	..	30·8
35	„	1st	„	„	„	„	„	..	22·9

The total plantings to date are :—

									acres.
Sultanas	and	Gordos	..	..	..	..	..	..	2,490·0
Waltham	Cross	..	..	..	..	..	..	..	146·0
Other	Vines	..	..	..	..	..	..	..	13·0
Citrus	..	..	..	..	..	..	..	..	189·5
Mixed	Trees	..	..	..	..	..	..	..	58·5
Total	..	..	..	..	..	..	..	..	2,897·0

All blocks are now served by pipe-line and are fully metered.

Six general irrigations and one special watering were supplied during the year, details of which are :—

Irrigation Number.	Period.				Acre Feet Pumped.	Equivalent Average Depth per Watering.
						inches.
1	31st August, 1953, to 27th September, 1953	..	..		2,167	6·9
2	2nd November, 1953, to 22nd November, 1953	..	..		1,493	4·3
3	30th November, 1953, to 20th December, 1953	..	..		1,749	5·17
4	29th December, 1953, to 16th January, 1954	..	..		1,950	5·3
5	25th January, 1954, to 21st February, 1954	..	..		2,204	6·0
6*	{ 13th April, 1954, to 14th April, 1954 21st April, 1954, to 28th April, 1954 .. .. .	..	..	..	} 961	3·75
			
	Total Season 1953-54	..	..	..	10,524	5·24

* Irrigation interrupted owing to rain.

Figures do not include special Gordo and Citrus watering 9th to 13th March, 1954 = 270 acre feet.

A further extension of the settlement was commenced in February, and 15 additional blocks were prepared for irrigating during 1954.

MECHANICAL BRANCH.

MAIN PUMPING STATIONS.

The Commission's main pumping stations are situated on or near the River Murray, and supply water for the irrigation districts of Red Cliffs-Merbein, Nyah, Robinvale, and Tresco, and the Waterworks Districts of Millewa, Yelta, and Tyntynder North.

Several smaller pumping stations supply water for domestic and stock purposes in the Waterworks Districts of Long Lake, Normanville, Ouyen, Tyrrell, Tyrrell West, Western Wimmera, and Wimmera United.

RED CLIFFS-MERBEIN ELECTRIFICATION.

The 22,000 volt transmission line between Red Cliffs and Merbein pumping stations was transferred to the State Electricity Commission in January, 1954. From that date power to the Merbein pumping station was supplied from the new State Electricity Commission power station at Red Cliffs.

Arrangements have been made for the generating plant at Red Cliffs pumping station to supply power to the State Electricity Commission system as required.

At the Red Cliffs pumping station, the first stage of electrification is well advanced; one 50-cusec steam unit has been removed, and pipes laid and foundations prepared for the new 40-cusec and 60-cusec electric units, the installation of which is scheduled for completion in August and October, 1954.

At Merbein pumping station a new 30-cusec electric unit has been installed. This unit will greatly improve the operating efficiency of the station and provide standby plant.

The Millewa main pumping station has been completely reconstructed, with three new diesel units with a total output of 55 cusecs, replacing the old steam plant.

Foundations and building works have been completed at the Main Robinvale Pumping Station to enable the installation of an additional 20-cusec diesel unit. The work is scheduled for completion in October, 1954.

New pumps have been installed at the Jung Dooen, Dering, and Eureka domestic and stock pumping stations.

A new vertical spindle axial flow type pump for low level supply to Tresco West from Lake Boga has been installed.

Adequate fuel supplies have been available for all pumping stations during the year.

MOTOR TRANSPORT.

The Commission operated 530 motor vehicles during the year, including 35 cars, 26 motor cycles, 266 utility trucks, and 203 other type vehicles, mainly heavy trucks. Of this total, 132 vehicles were operated by the Utah Construction Co., at Eildon.

The total mileage covered by Commission vehicles during the year was 2,900,000, whilst vehicles owned by and hired from the staff and employees of the Commission covered a further 603,000 miles.

Low-loading transporters covered a distance of 26,590 miles during the year, transferring heavy earth-moving plant. Seventy-seven new vehicles were purchased during the year, 69 of which were for replacement and 8 were new additions.

INVESTIGATIONS AND DESIGNS BRANCH.

RIVER MURRAY.

Hume Reservoir Enlargement.

Further investigations regarding the Mitta crossing were made by the Commission in collaboration with the Railway Department and the Country Roads Board, and final drawings were prepared for invitation in August this year for tenders for the embankment construction.

In consultation with the Public Works Department of New South Wales, construction details of the No. 3 bank were decided upon and were commenced during the year.

Mildura Weir.

Model studies were carried out at the Commission's Hydraulic Research Station at Werribee with a view to finding a method of reducing sand accumulation on the weir sill.

Regulation of River Flow.

Further investigations were made to clearly determine basic data for detailed studies of river flow. This work is being carried on in conjunction with officers of Authorities in other States and the River Murray Commission, and is expected to yield results of considerable significance.

Hattah Lakes.

The possible use of Hattah Lakes for the purpose of recharging weir pools when weirs are replaced is being investigated.

CENTRAL GIPPSLAND IRRIGATION PROJECT.

Glenmaggie Dam.

A complete set of drawings by Stahlbau Rheinhausen for the four radial gates for the Glenmaggie Dam came to hand together with advice that fabrication is in progress in Germany. The same firm has completed fabrication of the new service gates at its works near Duisburg. Two 59-in. regulation valves for the new outlet were completed and shipped by Bopp and Reuther, Mannheim, and are now at the dam. Model tests made to test the efficiency of the regulating valves confirmed the manufacturer's guarantee. Drawings of the concrete work and other details were continued during the year and were brought to the stage at which work could be started.

Nambrok-Denison Soldier Settlement.

Design work on the subdivisions and irrigation and drainage works continued throughout the year in accordance with construction requirements.

Maffra Weir.

The steel gates for this weir and other metal parts were shipped by Stahlbau Rheinhausen. Drawings of the concrete work were completed.

Cowwarr Weir.

A preliminary design for site 1A was completed. Consideration is being given to the construction of a well-type foundation using recently developed drilling equipment to penetrate the deep shingle existing in the Thomson River in this locality.

GOULBURN IRRIGATION SYSTEM.

Eildon Project.

Experiments on models of the spillway and pondage weir were completed, and in collaboration with officers of the State Electricity Commission further studies were made of flow regulation for the best possible operation of the hydro-electric generating station.

Goulburn-Waranga No. 2 Main Channel.

Fabrication of the gates by Stahlbau Rheinhausen was completed. Plans and specifications for six major structures on the channel were completed during the year and tenders received for these works were under consideration at the close of the year. The investigation and design of works to be constructed at the inlet to the basin was completed, and while the reservoir was at low level during the autumn the necessary excavations were made.

In consultation with officers of the Soil Conservation Authority, a drainage proposal for the deep cut section of the new channel has been prepared with a view to the protection of the channel works from erosion.

East Goulburn Main Channel.

The present capacity of the channel is 430 cusecs, but it has been decided that this important main channel should be increased in size to enable it to convey 1,000 cusecs.

Waranga Western Main Channel.

Further investigation and design work on this channel has been held over for the present.

Remodelling of Channel System, &c.

(a) *Preliminary Land Classification.*—The only districts not yet finalized are Boort and Deakin and these were under consideration at the close of the year.

(b) *Investigation of Existing Channels.*—There has been further progress in respect of the East Goulburn, Rodney, and Rochester Districts where preliminary surveys and the plotting of information and hydraulic computations have been carried out.

(c) *Uncommanded and Unsuitable Lands.*—An assessment was completed for Rochester, Rodney, and the East Goulburn Districts. Progress has been made in respect of Boort and Deakin.

(d) *Register of Lands.*—The existing register of lands has been brought up to date for all of the Goulburn Division while that for Rochester is in progress.

(e) *Base Plans.*—The preparation of base plans (1 inch to 40 chains) showing works of supply and land tenure has been continued; 21 plans have been completed and progress has been made on 11 others.

(f) *New Works.*—Several alternatives for an augmented supply to Rodney District were investigated during the year.

(g) *Closer Settlement.*—Investigations were carried out in Rodney and North and South Shepparton Districts with regard to lands suitable for subdivision.

GLENELG RIVER DEVELOPMENT.

Rocklands Reservoir.

A contract for regulating valves was arranged with Messrs. Marfleet and Weight.

Toolondo Reservoir.

The regulating gates for the outlet were shipped from Germany and are now in service.

LODDON RIVER DEVELOPMENT.

Cairn Curran Dam.

The fabrication by M.A.N. (Germany) of the service gates and spillway gates is complete and many parts have been shipped. Plans and specifications for the 42-in. irrigation outlet pipe were completed.

The 42-in. regulating valve by Bopp and Reuther, Mannheim, and a 36-in. sluice valve by Blakeborough and Sons, England, are on the works. Special cast iron pipes and trash racks and other parts have also been received from Germany. Further model tests of the spillway were carried out.

Loddon Weir.

The drop bars in this important structure are being replaced by 28 steel regulating gates which have been fabricated by Puhler (Germany) and shipped from Bremen.

MORNINGTON PENINSULA WATERWORKS DISTRICT.

Tarago River Diversion.

Plans and specifications were prepared for the completion of the half-finished two-mile tunnel. A contract was let and the work is in progress.

Bittern Reservoir Enlargement.

Preliminary investigations were carried out with regard to this work.

OTWAY WATERWORKS DISTRICT.

A comprehensive report on the Otway scheme was completed and recommendations are being prepared. Investigations, designs, and estimates for the enlargement of the Mt. Ewen Reservoir were continued. A preliminary study was made of storage possibilities on the Hopkins River.

CARRUM DRAINAGE DISTRICT.

Following exhaustive studies of the behaviour of tides in Port Phillip Bay, a report, plans, and estimates for the installation of tidal gates, with provision for pumping plant, at Carrum and Mordialloc have been completed.

COLIBAN SYSTEM.

Malmsbury Reservoir.

Manufacturer's working drawings for valve operating-platforms for the projected new outlet tower at the Malmsbury Reservoir were received and a contract let to Marfleet and Weight for the manufacture of a 36-in. regulating valve. A 36-in. sluice valve from Blakeborough and Sons, England, was delivered.

BELLARINE PENINSULA WATERWORKS DISTRICT.

Wurdee Boluc Inlet Channel.

Investigations and designs for the enlargement of this channel to ultimately carry 100 cusecs were carried out during the year. Contracts were drawn up for the supply of large pipes for the siphons, and plans and specifications for earthworks were brought to an advanced stage. Designs were completed for a 5-ft. diameter siphon 1,145 feet in length to replace the East Barwon flume.

West Barwon Dam.

The diamond-drilling programme—3,660 feet—was completed. Following advice that final designs were to be prepared immediately, all necessary work was put in hand and it is expected that plans and specifications will be ready during the coming year.

Wurdee Boluc Reservoir Enlargement.

Plans and specifications for a 50 per cent. increase in the capacity of this reservoir were completed and the work was advertised.

MURRAY VALLEY IRRIGATION DISTRICT.

Soldier Settlement Area.

Investigations and subdivisions for an expansion of the area by 41 blocks were completed and the design for channel work put in hand. A special study was made of drainage problems and the design of drainage works was continued.

HORSHAM SOLDIER SETTLEMENT.

Investigations and subdivisions for the supply of water for irrigation to 25 farms was completed and the design of channel works and internal layout was put in hand.

ROBINVALE IRRIGATION DISTRICT.

A proposal for an extension of this settlement by 80 blocks was agreed upon. The design was prepared for the Soldier Settlement Commission for the extension of this irrigation district by 80 blocks, and the design of necessary works and block layouts was continued to permit the allocation of 15 holdings during the current year.

The recording, as a permanent record, of the internal layout of each block already established in the Robinvale Irrigation settlement (166 blocks) was continued, and the work is now half completed.

TORRUMBARRY SYSTEM.

Pyramid Creek Flume.

Following an investigation of the Macorna Channel, designs were prepared for a precast concrete flume to replace the existing timber structure. The sections are being made at the Commission's Bendigo Depot.

Gunbower National Channel Headworks.

Concrete Works.—Working drawings were completed and construction is in progress.

Embedded Metal Work.—Plans and specifications were completed, tenders invited, and fabrication of the frames completed. These are now on the site. The frames are of a novel design planned for ease and speed of construction and have proved most successful.

Gates.—The design was completed and the preparation of plans and specifications is in hand.

Operating Hoists.—The design was approaching completion at the close of the year.

LITTLE RIVER WEIR.

An investigation into a proposal to increase the storage capacity of this weir is proceeding.

WANNON RIVER INVESTIGATION.

An outline proposal for the utilization of the Wannon and its upper tributaries was prepared and details forwarded to the Glenelg Regional Committee.

STANDARD IRRIGATION STRUCTURES.

Experiments at the Commission's Werribee Research Station on scour below structures have been continued with encouraging results.

LATROBE VALLEY SUB-REGION.

Water Resources Investigations.

A comprehensive first progress report was completed and is now receiving consideration.

Tyers River Water Supply Scheme.

This work was taken over by the Commission while acting temporarily for the Latrobe Valley Drainage and Sewerage Board, from the State Electricity Commission. The location and design of a 42-in. supply main and distribution mains was continued to a stage when construction can proceed.

HYDRAULIC RESEARCH STATION.

(SUMMARY OF WORK.)

Eildon Spillway and Eildon Pondage Weir.—Testing completed.

Standard Irrigation Structures.—Experiments continued on scour below structures.

Mildura Weir (Sand Accumulation).—Tests in progress.

Gunbower Offtake.—Testing completed.

Rock-Weathering Tests.—Barwon samples being tested.

Midget Dethridge Meter.—Testing continued.

Cairn Curran Spillway.—Testing completed.

Glenmaggie Dam Outlet.—Tests completed.

Chelsea Tide Gates.—Flow switch tested.

General.—Chute and dissipator tested for the Soil Conservation Authority.

STAFF.

Only two University graduates were appointed to the staff of this Branch during the year, but three others resigned and one was transferred elsewhere. The important work of training young graduates in the Commission's works has practically ceased, and engineering investigation and design work has been carried out under general direction by a permanent staff of only six senior engineers and a small number of qualified "New Australian" engineers.

RIVER GAUGINGS.

The number of discharge measurements made during the year by the River Gaugings Branch increased to 524 from 466 in the previous year. A publication containing river flow records to the end of 1948 has been prepared and is now being printed.

New automatic level recorders were used on the following streams:—

Barr Creek at Murrabit-road Bridge,
Loddon River at Kerang Weir,
Wurdee Boluc Channel at Murroon,
Mitta Mitta River at Tallangatta,
Goulburn River at Eildon,
Tallangatta Creek at Bullioh,
Pyke's Creek Tunnel at inlet,
Yea River at Devlin's Bridge,
Dandenong Creek at Dandenong.

In order to cope with the increasing work of the Gaugings Branch, which is of the utmost importance in the Commission's work, the staff was increased from 8 to 13 during the year.

SURVEY BRANCH.

Training.

Owing to a shortage of licensed surveyors and the demand for engineering surveys, many title surveys in various districts were deferred during the year. One pupil surveyor, trained by the Commission's staff, qualified as a licensed surveyor and fifteen other articulated pupils are in various stages of training at present.

Bellarine.

Cross section plans were prepared for 36 miles of the Wurdee Boluc Inlet Channel and 16 miles of the Wurdee Boluc Outlet Channel. Contour plans were also prepared for the raising of the Wurdee Boluc Reservoir.

Barwon River.

A topographical survey of the Barwon River Valley has progressed in the field from Barwon Heads to Winchelsea and the first six plans covering the lower Barwon River have been completed.

Latrobe Valley.

Alternate trial surveys have been made and the final survey pegged from the Tyers River pumping site.

Murray Valley Soldier Settlement.

Contour plans of an additional 6,000 acres and six plans showing 3-inch contours were completed.

East Goulburn Channel System.

Section plans of the East Goulburn Main Channel have been prepared to 36 miles and an additional 41 miles of survey of the East Goulburn Main and Kaarimba Channels have been completed.

Goulburn Irrigation System.

Remodelling surveys of the channel system on the western side of the Goulburn River have been extended.

Tragowel Plains.

A total area of 30,700 acres in the Parish of Mologa, and 18,900 acres in the Parish of Macorna, as well as 7,500 acres in the Parish of Loddon have now been covered by contour surveys.

Mildura Weir.

A survey of the river bed in the lock canal and above the weir to record the effects of sand siltation was completed.

The street alignments and 70 per cent. of the blocks in the new township of Bolga have been set out, and land acquisition surveys in connection with the raising of the full supply level of the Hume Reservoir and for the Country Roads Board and Victorian Railways are proceeding. Survey work has also been carried out in the Mornington Peninsula, Bellarine, Central Gippsland, Horsham, and other districts.

CONSTRUCTION BRANCH.

HUME RESERVOIR ENLARGEMENT.

Transfer of Tallangatta Township.

The detailed organization necessary for the re-establishment of commercial, public, and private buildings which cannot be moved to the new site has involved lengthy negotiations with owners. With minor exceptions, public and commercial building sites have been allotted and sites for private dwellings finalized.

At the beginning of the year, work was going ahead on the new township services including roads, water supply, and storm water drainage. During the year these services were mostly completed and work commenced on the first two groups of brick shops. During the latter part of the year, preparations were being made to commence the removal of timber houses from the existing town to the new site. These preparations include the construction of a temporary bridge over the Mitta River as the existing highway is obstructed by the railway viaduct which has only very restricted openings.

Road and Railway Deviations.

The Country Roads Board has continued the construction of embankments for the new crossing of the Koetong Creek on the Murray Valley Highway. An extension of the Bethanga to Tallangatta road on the north side of the Tallangatta Creek was also commenced. Surveys and investigations of other road deviations necessitated by the reservoir enlargement have been carried out.

Location of railway deviations at Ebden and Two Bay Creeks have been finalized and contracts let for earthworks.

Clearing of Reservoir.

The experimental clearing of timber from a section of the reservoir opposite the new township of Tallangatta was carried out. A sawmill has been established at Bolga for the milling of red gum timber recovered from areas to be submerged by the enlarged reservoir.

TARAGO RIVER DIVERSION PROJECT.

During the year work was resumed on this Project which, when completed, will permit additional and urgently required water to be supplied to the Mornington Peninsula Waterworks District.

A contract was let to Sainrapt and Brice (Aust.) Pty. Ltd., for the excavation of the remaining 4,936 feet of the 10,500 feet tunnel from the downstream portal. Excavation of 176 feet was completed.

Other contracts in progress include supply of precast concrete pressure pipes, excavation of a deep section of pipe trenching and supply of concrete aggregates.

All other work has been carried out by the Commission's own labour.

Concrete lining of part of the upstream section of the tunnel was commenced and 700 feet of the invert were concreted.

Work was resumed on the construction of the 5 mile section of the Tarago Main Race upstream of the tunnel and 3,091 feet of concrete-lined channel and 432 feet of reinforced concrete bench flume were completed. Construction of the necessary access roads and drainage works was carried out and one of the nine 36-inch reinforced concrete pipe siphons was partly completed.

Up to ten officers and 140 employees were engaged on the works at Jindivick.

GOULBURN-WARANGA No. 2 MAIN CHANNEL.

The total amount of earthwork involved in the construction of the Goulburn-Waranga No. 2 Main Channel is 4,400,000 cubic yards. At the end of June, 1954, 2,154,000 cubic yards in Stage 1 and 1,207,000 cubic yards in Stage 2 or approximately 75 per cent. of the total had been removed.

During the year 370,000 cubic yards of earth were removed in Stage 1 which is now 96 per cent. completed, whilst in Stage 2 the 6 cubic yard walking dragline commenced excavating last February and by the end of June had removed 395,000 cubic yards. Of the 395,000 cubic yards 305,000 were removed from channel sections having a maximum depth of 64 feet. A little over 1,000,000 cubic yards of Stage 2 still remain to be excavated.

In addition, 222,900 cubic yards were excavated as an extra to the contract, representing removal of blocks, extra yardage due to change of channel section and 122,000 cubic yards excavated on a 200-feet bed width for the inlet channel into Waranga Reservoir.

The minor structures of Stage 1 have mostly been completed, whilst the construction of the Stage 1 major structures, six in all, is about to start under separate contract. In addition, about 75 per cent. of the concrete has now been placed in the reinforced concrete offtake regulator by day labour. This work was commenced last January. It is anticipated that the construction of the major structures of Stage 2 will be undertaken by contract towards the end of December next.

CAIRN CURRAN DAM.

Owing to the limitation of loan funds available to Victoria, no on-site work was carried out at Cairn Curran during the year.

MURRAY VALLEY IRRIGATION PROJECT.

Very good progress has been made with the construction of the concrete structures on irrigation channels in the Murray Valley Irrigation District which, when completed, will comprise 269,000 acres. Work at present is being carried out on the No. 5 system north and west of Nathalia.

Except in the newly acquired Soldier Settlement area north of Katunga where 6 miles of channel have to be excavated, all the earthworks for irrigation channels have been completed. During this year 251 structures were completed, comprising 8 offtake checks, 46 road crossings, 12 occupation crossings, 24 combines, 22 subways, 25 checks and drops, 83 large and 27 small meter outlets, and 4 special drainage structures. Favourable weather condition contributed to the very satisfactory progress.

Work was resumed on Drain 5 which will be completed to the outfall on No. 2 Main Channel by the end of July.

The original area of 60,000 acres set aside for Soldier Settlement has now been completed except for a few isolated dairy blocks. The original area comprised 401 dairy blocks, 109 fruit blocks, and 31 homestead blocks. In the recently acquired area where work is going ahead there are a further 41 dairy blocks.

Land preparation for the Soldier Settlement Commission included 2,694 acres ploughed, 5,907 acres cultivated, 1,766 acres graded, together with 130 miles of deliver channel and 27,100 cubic yards of scoop channel excavated and 579 precast concrete stops and 65 pipe crossings placed. In addition 788 acres of lucerne and 1,256 acres of pasture were sown and 1,058 acres of orchards planted.

At the close of the year there were employed on the works 17 staff and 133 men.

CENTRAL GIPPSLAND IRRIGATION PROJECT.

During the year work was continued on channel construction in the Nambrook-Denison area, operations being concentrated mainly in Sections D and E, Parish of Denison.

Water was supplied to a further 26 irrigation blocks.

Cultivation, grading, and sowing of land on behalf of the Soldier Settlement Commission was continued and good progress made. Twenty blocks were sown down during the year, making a total of 50 blocks made ready for settlement since the scheme commenced. The excellent pastures which have been established compare favourably with pastures in the Maffra-Sale Irrigation District.

The limited amount of finance available restricted construction operations to channel works only. However, gates for the proposed Maffra Weir and outlet valves and pipes for a new outlet at Glenmaggie Reservoir were delivered during the year.

Four piecework contractors and 150 men were employed on channel works and twenty men were employed on land development on behalf of the Soldier Settlement Commission.

PLANT SECTION.

The continuation of Loan Fund restrictions has resulted in further unproductive expense of maintaining idle plant. It has been possible, however, this year again to relieve this situation by hiring plant to other authorities, contractors, and private individuals carrying out works of an approved nature. The return from this external hire amounted to £34,000 for the year.

Plant, surplus to the Commission's requirements, became available for disposal upon the completion of Rocklands Dam. The sale of this plant yielded £11,000. Other plant items were sold by public tender for an amount of £4,500. Orders were placed for new plant to the value of £60,500.

CENTRAL PLANT WORKSHOPS—BENDIGO.

It has been possible to maintain the workshop strength by undertaking work for other instrumentalities. This has absorbed 41 per cent. of the output of the shops. Approximately 10 per cent. of the total workshop output was used on recovery work such as the re-working of parts and the re-conditioning of track elements.

A concrete precasting yard was established and came into operation in December. Elements for bridges and channel structures, absorbing 250 cubic yards of high quality reinforced concrete, have been fabricated.

HOUSING.

At the end of the year under review the total number of residences owned by the Commission, including those under construction and eleven on the River Murray works but excluding houses on construction jobs and Tallangatta, was 504.

During the year, 10 houses became available for the Commission's staff in country districts, and 10 additional houses were under construction.

MAINTENANCE OF MAJOR STRUCTURES.

All reservoirs were at satisfactory levels for the greater part of the year and as a result of less than average rainfall in the autumn and winter months of the year under review, storages have not been replenished at the normal rate since the close of the 1953-54 irrigation season.

RIVER MURRAY WORKS.

Hume Reservoir.

The reservoir was at full supply level (R.L. 610.00) from 9th August, 1953, to 15th January, 1954, the highest level (R.L. 613.67) occurring on 7th October, 1953. Lowest level of the year was R.L. 589.68 on 1st May, 1954. The level on 30th June, 1954, was R.L. 596.46 or 13.54 feet below full supply level.

Regular inspections were made of concrete slabs on the upstream face of the dam and no movement was observed.

Yarrawonga Weir.

The reservoir level was run-off to flood gate sill level at the end of the 1952-53 irrigation season to enable maintenance work to be carried out. Except for that period the pool was maintained at full supply level throughout the year.

Torrumbarry Weir.

The trestles were in position in the river until 7th August, 1953, when the closing frame and seven trestles were withdrawn. A heavy deposit of sand prevented the withdrawal of the remaining seven trestles which remained in the river throughout the flood period but did not suffer any damage. On the 7th May, 1954, the trestles were withdrawn in order to lower the river level so that work could proceed on the new offtake regulator on the Gunbower National Channel.

Mildura Weir.

The trestles were withdrawn from the river in the last week of August, 1953, and were replaced on the 8th January, 1954. Full supply level was reached on the 14th January, 1954, and the pool kept at that level for the remainder of the year.

State Works.

An electric flood warning alarm was installed at Melton Reservoir.

Normal maintenance work was carried out at Laanecoorie, Melton, Pykes Creek, Glenmaggie, Malmsbury, Upper Coliban, and Lauriston Reservoirs.

On the Goulburn Weir new concrete stairways were constructed on both ends of the structure.

Good progress has been made with the trimming and re-soiling on the downstream face of the embankment of the Waranga Reservoir.

A small construction gang is still employed at the Rocklands Reservoir which was handed over to the maintenance section. Good progress has been made with cleaning up and levelling of the works area and ornamental trees and shrubs have been planted.

BIG EILDON PROJECT.

Excellent progress has been made on the construction of the Big Eildon Dam and appurtenant works. Because of this progress, it is expected that the dam will now be completed about September, 1955, which approximates the date of completion required under the original contract.

During the year the second phase of the construction of the Eildon embankment was completed. This included the river section and the right abutment, the outlet tunnel, the intake tower, the spillway, inlet channel excavation, the spillway chute, and dissipator, concrete works, the demolition of the State Electricity Commission's existing power house, and the removal and reinstallation of the Sugarloaf power house sets in the new power house.

Rapid progress was made in the fabrication and erection of penstocks and anchorages to permit the diversion of water for irrigation. Substantial progress was made in the excavation for the spillway structure as well as the pondage weir, coffer dam, and other associated works. A total quantity of more than 1,810,800 cubic yards of material have been removed from the excavations for the dam foundations, the spillway approach, the outfall channels, and the chute dissipator. The total quantity of material placed in the embankment during the year was 5,150,000 cubic yards, making a total to date of 8,960,285 cubic yards. The clay, sandy loam, and gravel materials were obtained from various borrow pits adjacent to the works and the rock from the spillway excavation and Sugarloaf quarry.

Drilling and grouting of the dam foundation was continued on a three-shift basis and curtain grouting on the line of the cut-off wall was completed to a depth of 150 feet. Approximately 5,900 cubic feet of grout were pumped and 64 tons of cement used in grouting the foundations.

A quarry was opened up at Sugarloaf from which 780,000 cubic yards were excavated. During the year the remaining 157 feet of the 23-foot diameter steel tunnel lining was fabricated, transported, erected and field-welded in the tunnel. A further 2,000 cubic yards of concrete lining between the steel lining and the rock was placed by means of an 8-inch pumpcrete machine. (The total length of steel lining involved in the tunnel was 1,263 feet and total amount of concrete lining 12,000 cubic yards.) All grouting was completed on the 28th September, by which time 35,400 cubic yards of grout had been pumped and 418 tons of cement used.

Power House.

The power house structure was substantially completed, except for the control building and portion of the roof. Towards the end of the year, Nos. 3 and 4 machines from the old Sugarloaf power station were placed in position ready for test running. Both tunnel and penstocks are sufficiently advanced for water pressure tests to be made in the near future. Each longitudinal and circumferential seam in the penstocks and tunnel was radiographed after field-welding. The Defence Research Laboratories gave considerable assistance in this work.

Spillway Structure.

The grouting of the spillway structure foundations commenced in March. The quantity of grout pumped was 3,664 cubic feet and 38 tons of cement were used. Excavations for the central section and much of the abutment of this structure were completed and some of the concrete was placed. The new Goulburn River Bridge was completed and opened for traffic in February, 1954.

Intake Tower.

The tower was completed to its full height and a protection wall 50 feet high was constructed on the Sugarloaf side of the tower to prevent damage to the structure by falling rock. Practically all of the bulkhead gate, cylinder gate and trash rack guides have also been placed.

Pondage Weir.

An upstream coffer dam was constructed to permit operations on the pondage weir during the winter. Excavations of the right abutment and apron were practically completed and some concrete placed.

Concrete Placement.

During the year 62,600 cubic yards of concrete were placed in the spillway chute and dissipator, power house, spillway structure, tower and other works on the project.

Testing Laboratory.

The purchase of a "high frequency" drying oven has enabled test results of the moisture content of earth to be reported to the construction engineers within 30 minutes of sampling.

Housing.

There are at present 488 houses in the Eildon township together with sixteen permanent and temporary shops. The average number of persons accommodated in the various hostels was 1,193.

TOWN WATER SUPPLIES.

COLIBAN SYSTEM.

The main storages of the Coliban System, namely, the Upper Coliban, Lauriston, and Malmsbury Reservoirs, with a total capacity of 56,100 acre feet, were filled from a comparatively low level of 33,358 acre feet in the period from mid-July to mid-August, 1953. Rainfall in the spring reduced the demand upon the storages until the end of November but dry conditions in summer and early autumn brought about a demand for full deliveries of water which continued until mid-April, 1954. All district requirements were met during the year, to meet which 28,237 acre feet were withdrawn from the storages. The concrete lining and fluming of channels to reduce seepage losses has been continued.

MORNINGTON PENINSULA DISTRICT.

The exceptional expansion in the Mornington Peninsula towns continues. Applications for new services during the twelve months under review reached 2,000 compared with 1,519 for the previous year. The increase in the total number of services since the end of World War II. (1945) is now just over 100 per cent.

Owing to dry conditions in the Mornington Peninsula during the late summer and early autumn, restrictions were imposed on the use of water for domestic gardens throughout the system. The initial restrictions prohibited the watering of domestic gardens except by hand methods and limited the hours of watering for sport areas. These restrictions came into operation on 22nd December, 1953, and on the 13th January, 1954, were replaced by more stringent restrictions which permitted domestic garden watering by hand and only between the hours of 5.30 and 8 p.m. Further limitations were also placed on the hours of watering for sports areas. These restrictions continued until the 17th April, 1954.

Work on the enlargement of the Bunyip Main Race to increase its capacity to an ultimate of 42 cusecs was continued. General improvements to the reticulation were carried out throughout the system to the extent of funds available. The trial survey and the pegging of the road for the new pipeline between the Frankston and Mornington Reservoirs were completed. Some of the 27-inch and 21-inch diameter reinforced concrete pipes have been delivered to that job. In urban districts within the System, mains were extended for a distance of more than 13 miles.

Nursery work at Lysterfield Reservoir has been continued on a limited scale, 44,000 eucalypt seedlings being planted in the catchment area.

Bellarine Peninsula District.

In August, 1953, at the beginning of the diversion season, the bank of a landslide lake which had formed about fifteen months earlier across the East Barwon River failed, and the ensuing flood carried away the elevated flume which was an important part of the Wurdee Boluc Inlet Channel. As a result of this, it was not possible to bring the storage at Wurdee Boluc beyond 2,400,000 gallons by mid-November which was 300 million gallons below full supply capacity. Full use was made, however, of the flow in the Dewings Creek and an emergency pumping scheme was installed on Callahan's Creek near Barwon Downs in September to lift and discharge water into the Wurdee Boluc Inlet Channel. This plant operated from September until mid-December.

To replace the elevated flume carried away by the flood and to allow for future enlargement of the channel capacity, a 60-inch diameter reinforced concrete pipe siphon 1,150 feet long was laid under the bed of the East Barwon River and put into service in May. Work was also commenced on the installation of an emergency siphon 3 miles 10 chains from the offtake. Eleven chains of 54-inch diameter concrete pipes were laid to bypass an adjacent section of a lined channel in steep country which failed when an extensive slip developed on the down hill side. In order to safeguard the inlet channel from overtopping an automatic siphonic spillway was installed about 7 miles from the offtake.

With a view to doubling the capacity of the inlet channel, the work of providing a greater waterway area under occupation crossings was commenced and up to the time the channel was required for water diversion 27 structures had been altered.

OTWAY DISTRICT.

Diversions from the Arkins Creek and First Creek kept the district storages near full capacity until the end of November. During the summer and subsequent long dry autumn the storages were drawn down to a minimum level of 40 per cent. of full capacity by the middle of April.

Investigations with a view to the possible enlargement of the storages at Donalds Hill, Ewens Hill, and Tank Hill Reservoirs were made.

The auxiliary Brierly basin and pumping plant was operated during the summer months to boost supply to the Warrnambool Trust's low level storage during periods of peak demand. The quantity of water supplied in bulk to the Warrnambool Trust for the year ended 1st November, 1953, was 301,181,000 gallons.

WONTHAGGI DISTRICT.

The supply of water to the main pipeline from the reservoir was not sufficient to meet the unrestricted requirements of the town during the hot summer period and restrictions limiting all watering to hand methods during the hours of 5.30 p.m. and 8 p.m. were imposed on the 21st January until the 18th March, 1954.

WIMMERA MALLEE TOWNS.

Full supplies were delivered through the Wimmera-Mallee Domestic and Stock water supply system to the storages of 37 townships having pipe reticulation in the Wimmera-Mallee.

In addition bulk supplies of water were made available from the system to the City of Horsham and the towns of Charlton, Donald, Korong Vale, Murtoa, St. Arnaud, Stawell, Underbool, Warracknabeal, and Wedderburn, which are controlled by local waterworks trusts.

The occurrence of an extended dry period over the summer months caused depletion of some urban storages and necessitated water restrictions in the urban townships of Speed and Walpeup.

ROBINVALE TOWNSHIP.

The urban area continues to expand with the erection of 25 new houses, 9 new business houses, and an Infant Welfare Centre.

A newly subdivided area has made available another 80 township allotments for building.

The establishment of a local Fire Brigade, Ambulance Service, and extension of water and electricity mains have been carried out during the year.

Town drainage has been installed by the Shire Council.

NEW SERVICES AND INSTALLATION OF WATER METERS IN THE MAIN URBAN DIVISION.

The table summarizes the position in regard to new services and the installation of meters in the following districts :—

District.	Number of New Services 1953-54.	Total Number of Services at 30th June, 1954.	Meters Installed during Year 1953-54.	Total Number of Meters.	Percentage of Services Metered.
Coliban	387	15,373	42	11,156	73
Mornington Peninsula	2,002	25,624	363	17,848	70
Bellarine Peninsula	210	3,813	32	2,915	76
Otway	86	2,561	8	2,394	93
Wonthaggi	6	1,636	6	91	6
Total	2,691	49,007	451	34,404	..

WATERWORKS TRUSTS AND LOCAL GOVERNING BODIES.

The 148 Local Authorities which supply water for domestic, industrial, and agricultural purposes in country towns and certain rural areas throughout the State comprise 130 Waterworks Trusts, 17 Local Governing Bodies, and one Irrigation Trust. The Commission exercises a general supervision over the operations of these local authorities.

The number of town water supplies administered by them is now 144, six new reticulated supplies having been brought into operation during the year in the following towns:—

Bruthen, Cowangie, Dennington, Glen Thompson, Edenhope, and Goroke.

The continued restriction of loan funds again permitted progress to be made only on the more urgent items of the large programme of approved works for the expansion and improvements of town supplies throughout Victoria. The construction of works estimated to cost £925,000 was authorized and an amount of £477,016 had been expended by June, 1954.

However, once again the effects of the shortage of Government loan funds were partially mitigated by the successful efforts of several local authorities in raising loans from private sources. The additional loan funds borrowed in this way amounted to £229,150 bringing the total of Government and private loans for the year up to £706,166.

The total estimated cost of approved works still awaiting funds for their construction is now £4,117,000, which total includes an amount of nearly £1,000,000 for 36 new town supplies.

The Ararat City Council constructed a new pipeline to divert water from Green Range Creek to supplement the supply from the existing Mt. Cole headworks.

The Geelong Waterworks and Sewerage Trust made good progress with the construction of its new Bostock Reservoir. The outlet tunnel and the delivery conduit are nearing completion, and the whole project, which will double the supply obtainable from the Trust's Moorarbool River headworks, is expected to be finished within a few months.

The Longwood Waterworks Trust constructed a reservoir at its headworks to ensure continuity of supply.

The First Mildura Irrigation Trust has made good progress with the construction of its new central pumping station, rising main and associated channel works. It is anticipated that the new station will be brought into operation early in 1955, superseding three out of the Trust's four principal pumping stations.

The Trafalgar Waterworks Trust completed a new main to divert water from the head of the Narracan Creek into its present Sunny Creek offtake and commenced enlargement of the existing main pipeline.

The Warragul Waterworks Trust completed the installation of new 18-in. piping in its rising main and in the delivery main between the service basins and the town to enable the summer peak demands to be met.

Extensions and improvements to the reticulation systems and other works were carried out at many country centres.

Early in 1954 the Commission undertook to proceed with the design and construction of the Tyers River Water Supply Scheme pending the formal constitution of the Latrobe Valley Water and Sewerage Board which will commence to function in 1st July, 1954. This project had been commenced by the State Electricity Commission some years ago primarily to supply its proposed Morwell briquette factories, but the scheme has now been expanded in scope to supply the urgent needs of the important gasification plant near Morwell and to augment the supplies available for the towns of Morwell and Traralgon. Construction of the 42-in. diameter steel pipeline from the Tyers River was resumed and contracts were let for the supply of 60-in. and 27-in. diameter steel piping.

SEWERAGE AUTHORITIES.

A new Sewerage Authority was constituted at Tallangatta during the year to control the proposed sewerage undertaking for the new Tallangatta township.

The total number of Sewerage Authorities is now 60, and of these 30 have sewerage systems in operation.

The amount of work carried out in extensions and improvements to the existing sewerage systems increased somewhat during the year under review, the total loan funds borrowed from private sources for such works being £361,570. Government loan funds to the extent of £85,408 were provided, making the total loan expenditure for the year £446,978.

This expenditure is, of course, very small in comparison with the estimated cost of construction of the approved works which are still held up because of the continued shortage of loan funds, namely, some £7,500,000.

None of the 30 approved new town sewerage schemes could be commenced during the year, but the Maryborough Sewerage Authority has succeeded in raising sufficient loan funds from private sources to enable construction of the works to be commenced during the coming year. Other Authorities are also making plans to proceed similarly with construction in stages of their proposed sewerage systems, the first stages being financed wholly by private borrowing.

During the year, the first stage of the Moe sewerage scheme was brought into operation, and work is proceeding on the next stage of construction of the sewage treatment plant and extension of the reticulated area.

The Traralgon Sewerage Authority has made steady progress with the construction of its works, which had been suspended in 1942 before being brought into operation.

Extensions and improvements to existing systems were carried out at Bairnsdale, Ballarat, Benalla, Bendigo, Castlemaine, Colac, Dandenong, Horsham, Kyneton, Morwell, Mornington, Shepparton, Wangaratta, and Warragul.

In addition the Geelong Waterworks and Sewerage Trust during the year borrowed a total of £200,000 to finance major sewer extensions now under construction in the Norlane and other rapidly developing areas at Geelong.

Prior to the constitution of the Latrobe Valley Water and Sewerage Board on the 1st July, 1954, the Commission exercised its functions and prepared plans and specifications in connexion with the installation of an outfall for industrial wastes and sewage from the Morwell area to the sea.

RIVERS AND STREAMS DIVISION.

FLOODING.

In July, heavy rain caused local flooding along the Broken and Ovens Rivers whilst rains above average occurred in the Mallee, North Central, and Western Districts. The spring in many parts of Victoria was wet with marked surpluses of rainfall in Western and Central Gippsland and to a lesser extent in the North-west and Central Districts.

Although some floods occurred they were in no way comparable with those of the previous year. Heavy rains in August breached the natural lake which had been formed by a landslide in the Otways on a branch of the Barwon River and the resultant overflow caused severe damage and flooding as far as Winchelsea.

Rivers generally were at high levels during the spring and continued so for several months. In September there was some flooding in North-east Gippsland and the Otways, and a flush of water down the River Murray. The Western Lakes rose and Lake Colac again commenced to overflow into Lough Calvert. This overflow continued for some weeks.

In October, flooding occurred in eastern Victoria and in the Goulburn Valley, the floods in Western and Central Gippsland being fairly serious. Lake Gnarpurt overflowed into Lake Corangamite. In November, rainfall was above average for practically the whole of the State and low level floods occurred in the Barwon, Yarra, Latrobe, and Macalister rivers whilst the unusually high tide brought about some flooding of lands with salt water around Anderson's inlet.

December rainfall was generally below average but a flood which had been travelling down the Murray for some months raised the lower Murray to a high level. January was fairly dry at its commencement, though later in the month some heavy rains raised the rainfall above average and some local flooding occurred in various places. There were small floods in the Barwon and Avon Rivers. For February, the rainfall was below average, and March was unusually dry. Good rains were experienced in April, but in May the rainfall was again well below average for nearly the whole of the State. There were widespread rains in June with some heavy falls but no general flooding.

RIVER IMPROVEMENT.

The policy of developing river improvement and drainage through local trusts was continued. Two further trusts were constituted during the year, one on the Ovens River and one on the Tambo River. The district of the Ovens River Improvement Trust is one of the largest yet constituted, extending as it does along the Ovens Valley from Harrietville nearly to the Murray River, a distance of over 85 miles. The Tambo River Improvement District takes in the rich river flats at Bruthen, and lands along the river down to Lake King.

By the end of the year eleven trusts, constituted under the *River Improvement Act* 1948 were in operation—nine river improvement trusts and two drainage trusts. The activity of these established trusts was restricted because of the limited amount of loan funds available. However, the recent policy of requiring the trusts to raise portion of their expenditure by private borrowing resulted in an increase in the total amount available for expenditure on river works.

There has been a movement in various quarters towards the constitution of other trusts. An application for a trust on the Macalister River, including part of the Thomson River, was submitted to the Minister of Water Supply, but owing to some local protests further investigation became necessary. An application for a trust on the Mitta River was well advanced, and other applications for trusts on the Glenelg, the Fitzroy, and Powlett Rivers and for a drainage trust in the Strathdownie area were in preparation. Discussion has also been held regarding trusts for the Goulburn, Yarra, and Eumeralla Rivers.

The Lough Calvert Drainage Trust, which was constituted in May, 1953, took over the work, which had already been commenced, of draining floodwaters from Lake Colac and Lough Calvert and the Sanctuary areas. By the end of June, 1954, the water in Lough Calvert had been lowered some eight feet, and thousands of acres of land which had formerly been flooded were once more uncovered and coming back into production. In addition to improving the outlet drain from Lough Calvert and from the Sanctuary, the Trust, owing to the lowering of water in Lough Calvert, was able to commence the construction of the internal drains to connect various low level pools in the southern part of Lough Calvert with the outlet to the Sanctuary, and to permit the lowering of Lake Colac by allowing these waters to flow to the Birregurra Creek.

The Avon River Improvement Trust commenced a programme of works to check erosion at various points along the Avon River where valuable land was being destroyed and Commission's channels threatened. This Trust is using a new form of construction devised by its Engineer, Mr. H. L. Paxton, for the building of groynes made of concrete blocks, utilizing the sand and gravel in the river bed.

The Tarwin Trust has carried out further works of drainage, and a further section of the remodelling of the Fish Creek Outlet. This latter work, although yet uncompleted, has already given great benefit by improving the drainage of an extensive area of fertile pasture land which had become waterlogged and weed-grown. The Latrobe and Snowy Trusts have carried out extensive drainage works, as well as improving their respective rivers; the King, Kiewa, Ovens, and Tambo Trusts have done river-snagging and works to prevent erosion of river flats.

The Interstate Committee on River Murray Levees, of which Mr. H. G. Strom of this Commission is a member, investigated the sites of effluent flows from the River Murray in the Barmah-Mathoura forest areas.

RIVERS AND STREAMS FUND.

The Rivers and Streams Fund is made up of licence fees paid for the use of river frontage reserves. Grants from this Fund may be made for river improvement work to properly constituted Authorities on the approval of the Minister of Water Supply. These grants are for the removal of obstructions in streams and prevention of erosion of their banks.

Grants from this Fund have been made to public bodies such as Shire Councils on the basis of £2 from the Fund to each £1 contributed locally.

During the year the revenue paid into the Fund was £12,747 and approval was given for 84 grants for work on 42 different streams, the total amount of the grants being £20,248.

Because of the heavy demand upon the Fund, a number of applications for assistance towards desirable works have not been approved in their entirety. Owing to the limited amount of money available, preference has been given to the most urgent applications, such as those for work on river banks which are being eroded with a consequent loss of fertile agricultural lands, or where there are threats to communications.

The amount available for allocation from the Fund on the 30th June, 1954, was only £8,422 which was less than half the amount involved in applications made for assistance from the Fund.

SLUDGE ABATEMENT BOARD.

The Sludge Abatement Board continued its operations during the year. It was set up in 1905 in accordance with the provisions of the *Mines Act* 1904, to regulate dredging, sluicing, and other mining operations which might affect watercourses and reservoirs or lands used for agricultural, grazing, or residential purposes, or for the discharge of mining debris.

The control exercised by the Board, which made inspections of mining operations in various parts of the State, has greatly reduced damage formerly caused by alluvial mining and has made possible the recovery of large quantities of gold and minerals without serious damage to streams and marginal lands.

The Commission's representative on the Board is its Divisional Engineer for Rivers and Streams, Mr. H. G. Strom.

Mr. W. Baragwanath, formerly of the Mines Department, who has given long and valuable service on the Board, vacated the Chairmanship during the year because of his retirement from the Service, and Associate Professor H. H. Dunkin has been appointed Chairman in his place.

ENGINEERING RESEARCH BRANCH.

During the year the work of this Branch increased in all sections, particularly with respect to the testing and inspection of construction materials, including Portland cement.

The number of water samples examined and the number of tests made in the Soil Mechanics Section have been greater than in previous years.

A summary of the work carried out is shown under the following sections :—

1. Routine Laboratory Tests.
2. (a) Outdoor Testing of Materials and Manufactured Articles.
(b) Inspection of Materials supplied by Contractors.
3. Water Purification and Analysis.
4. Soil Mechanics.

1. ROUTINE LABORATORY TESTS.

Portland Cement.							Tons.
Victorian Production	..	..	..	..	..	..	12,445
Tasmanian Production	..	..	..	..	..	..	300
New South Wales Production	..	..	..	..	..	..	200
Total	..	..	..	..	..	..	12,945
Concrete Specimens							Number tested .. 856

Samples of cement representing consignments from various Australian and overseas manufacturers were also tested. Tests were made of aggregates proposed for use in concrete and recommendations in regard to appropriate proportions for their use in concrete mixtures were made.

2 (a) OUTDOOR TESTING OF MATERIALS.

Item Tested.							Quantity in Lineal Feet.
Asbestos Cement Pipes	..	..	..	..	..	..	180,239
Cement Concrete Pipes	..	..	..	..	..	..	52,808
Steel Cement-lined Pipes	..	..	..	..	..	..	19,811
Total	..	..	..	..	..	..	252,858

These pipes were of various diameters, up to 60 inches in respect of reinforced concrete pipes, 42 inches in steel, and 9 inches in the case of asbestos cement pipes. They were tested under hydrostatic pressure heads appropriate to the design.

A new feature in some of the asbestos cement class of pipes submitted for testing was the incorporation of silica flour into the cement asbestos mixture and curing by high pressure steam in autoclaves. This class of pipe in addition to having satisfactory strength was more resistant to attack from carbonate and sulphate bearing waters. Tests made so far tend to corroborate the characteristics claimed, though longer experience will be required for confirmation.

In addition, a variety of other items were tested, including water meters, sluice valves, and large size pipe fittings.

2 (b) INSPECTION OF MATERIALS SUPPLIED BY CONTRACTORS.

The items in this category are such that their quality as regards the material, or the workmanship in the fabrication, can be ascertained by examination by competent inspectors.

Included are 4,300 cast-iron pieces or assemblies such as Gibault Joints, bends, tees, distance pieces, tapping saddles, and fireplugs. Other items consisted of lifting gears, fabricated steel road bridges, large capacity storage tanks, sheet piling, steel reinforcing bars, building timber and the like.

Inspection was made on behalf of the Queensland Government of certain steel items being supplied by a Melbourne manufacturer for construction of the Burdekin River bridge.

3. WATER PURIFICATION AND ANALYSIS.

There has been a steady increase in the number of water samples received for analysis.

During the year they amounted to :—

Samples for general analysis	..	..	..	840
Samples for microscopical examination	..	..	..	141

The majority of the samples were routine in character, conforming with the systematic scheme of sampling introduced for the evaluation of the quality of water in urban supplies, reservoirs, and storages, and rivers and streams throughout the State.

In addition, a number of water samples were received for examination, including some from potential urban water supplies, water from bores or wells for prospective farm supplies, and samples of land drainage and industrial effluents.

In a number of instances where it was found that the quality of the water supply could be improved by suitable treatment, recommendations to initiate treatment on appropriate lines were made.

In recent years water supply and health authorities have evinced a growing interest in the fluorine content of public water supplies. As the accurate determination of small quantities of the element fluorine present in water is a matter of some difficulty, an investigation in conjunction with two other departmental laboratories interested in the same matter has been undertaken to compare various recognized analytical methods for determination of fluorine content with a view to adopting that found most suitable.

4. SOIL MECHANICS.

During the year approximately 370 soil samples were received from various localities for examination and testing.

The major portion of the work has consisted of testing samples from the sites of the proposed reservoir at Camperdown, Donald's Hill Storage, Goulburn-Waranga No. 2 Channel, Gunbower National Channel Offtake, and the Wurdee Boluc Reservoir enlargement.

Tests have been made for mechanical analysis, compaction, and shear, on a number of samples from the sites of rail and road deviations adjacent to Hume Reservoir.

In addition a series of tests has been made on samples of soil from the site of the Bostock Dam on behalf of the Geelong Waterworks and Sewerage Trust, and an officer from this Branch has assisted the Trust's engineers in supervising the construction of the earth and rockfill section of the dam.

The control of the moisture content and the desired density in the rolled-fill was effected by means of the "drop" test, a new test to which reference was made in the last annual report.

Visitors to the laboratory during the year included engineers from New South Wales, Burma, India, and Pakistan.

VALUATIONS BRANCH.

VALUATIONS FOR LAND COMPENSATION.

The major task of land acquisition in which the Commission has been engaged lately is in connexion with the enlargement of the Eildon Reservoir, the surface area of which will increase from between 7,000 and 8,000 acres to something like 34,000 acres.

During the year settlement was reached in regard to ten cases, £183,713 being accepted by owners who originally claimed £233,442. In six other cases not yet settled, advances of £207,400 have been made to enable the owners of the properties concerned to re-establish homesteads and farm buildings on other parts of their properties or to purchase other properties.

The total number of land compensation cases settled throughout the State during the year, including those at Eildon, involved payments of £203,027 against total claims for £285,486.

During the year one case was referred to arbitration, the Arbitrator appointed being Mr. Justice Hudson, who heard the case in the last month of the year under review. His decision has not yet been announced.

VALUATIONS FOR RATING PURPOSES.

For the year under review, district rating valuations were completed by the Commission's valuers in Dingee, South Shepparton, Tresco, and Central Gippsland. It is expected that an additional four irrigation and water supply district valuations will be completed in time for use in the rating year 1954-55.

The level of valuations in all the districts referred to showed a substantial rise over the previous valuations which were carried out during the period of land price control with the exception of the Central Gippsland Irrigation District which was valued for the first time.

RATING VALUATION APPEALS.

During the year only two appeals against rating valuations were lodged with the Court of Petty Sessions by owners in the Central Gippsland District who considered the valuations to be excessive. Each appeal was withdrawn before the date of hearing.

SUPPLEMENTARY RATING VALUATIONS.

Nine hundred and thirty-eight supplementary valuations were made during the year, of which 580 were in irrigation and water supply districts, 324 in waterworks districts, and 34 in the Lower Koo-wee-rup Flood Protection District.

TRAINING OF VALUERS.

Three members of the staff of the Valuations Branch were admitted to the Commonwealth Institute of Valuers during the year following successes at the Institute's Annual examinations. Another officer who also passed the examination has yet to complete the requisite four years of experience necessary for full membership.

The Commission is now in a very satisfactory position in that all members of its valuation staff have qualified for the Institute membership by examination.

FIRST MILDURA IRRIGATION TRUST.

The First Mildura Irrigation Trust reports that first seasonal pumping commenced on August 23rd, 1954. A special irrigation for citrus was advertised for July the 19th, but only 140 acres were ordered and the pumping was cancelled.

The Trust supplied water for the irrigation of 64,104 acres, including 5,884 acres of special irrigations, the quantity of water pumped being 41,400 acre feet, the average depth per acre being 7.75 inches.

The Trust reports that the Central Pumping Station is not likely to be ready in time for the commencement of the 1954-55 irrigation season but that modifications of the channel system necessary for the change-over to the Central Pumping Station will have been carried out by the date previously contemplated for the operation of the Central Pumping Station.

TECHNICAL LIBRARY.

The Commission's Technical Library added 430 publications to its lists, making a total of 6,816 accessions in all, while the number of periodicals received and circulated to Commission officers increased to 307.

The Library facilities were in constant demand during the year, chiefly by the Commission and its staff, but extensive use was also made of the information on water conservation and allied subjects by public and private organizations, students from all parts of the world, and by the public generally.

PART III.—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, for watering cattle or other stock and for irrigation, 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.

The compulsory irrigation charges were increased from those made for the previous year in districts where water for irrigation is obtained by gravitation from the various storage reservoirs throughout the State. In addition, the unit charge was increased in the four districts which are supplied with water by pumping from either the River Murray or from storages. However, the rates made and levied by the Commission in Irrigation and Water Supply Districts during the year were not altered.

Lands in the newly constituted Central Gippsland Irrigation and Water Supply District were rated by the Commission for the first time.

In thirteen Waterworks Districts, the rates were increased from those made for the previous year, and the minimum rates were increased in six Waterworks Districts.

As compared with the previous year, the rates made and levied in four Urban districts were increased, while decreased rates were made and levied in seven Urban districts. In 23 Urban districts the minimum amount of rate for land on which there is a building was increased.

The rate and charge in two of the four Flood Protection Districts were increased on those of the previous year. No alteration was made in the drainage rates in Irrigation Districts where drainage facilities have been provided, nor in the Carrum Drainage District.

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.	Unimproved Capital Value.	Annual Value of Lands and Tenements.	Rate in the £1 made during Year ended 30th June, 1954 on Net Annual Value except where indicated				Compulsory Irrigation Charge per Acre foot of Water Right, Season 1953-54.	Number of Assessments.	Estimated Number of Persons Dwelling in District.
						General Rate.		Drainage Rate.				
						1st.	2nd.	3rd.	4th.			
IRRIGATION AND WATER SUPPLY DISTRICTS.												
Divisions.												
Valuation by Commission						Divisions.						
£						£	1st.	2nd.	3rd.	4th.	s. d.	s. d.
							s. d.	s. d.	s. d.	s. d.	s. d.	s. d.
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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 Apportioned (including Extra Rights) in Acre Feet.	Unimproved Capital Value.	Annual Value of Lands and Tenements.	Rate in the £1 made during Year ended 30th June, 1954. On Net Annual Value except where indicated.		Compulsory Irrigation Charge per Acre foot of Water Right, Season 1953-54.	Number of Assessments.	Estimated Number of Persons Dwelling in District.	
						General Rate.					Drainage Rate.
IRRIGATION AND WATER SUPPLY DISTRICTS.											
				Valuation by Commission.	Valuation by Commission.	Divisions.					
						1st	2nd.	3rd.	1st.		2nd.	3rd.	4th.
				£	£	s. d.	s. d.	s. d.	s. d.	s. d.	
<i>Supplied from Southern State Works.</i>											
21. BACCHUS MARSH ..	6,744	3,300	3,302	254,363	17,410	1 0	0 6	..	..	40 0
22. CENTRAL GIPPSLAND ..	58,496	6,442	3,229	297,140	23,305	1 0	..	..	..	22 6
23. MAFFRA-SALE ..	72,913	27,117	25,410	1,032,084	87,764	1 0	0 6	0 3	0 6	22 6	
24. WERRIBEE ..	9,702	8,146	8,147	310,295	35,058	1 0	..	..	..	25 0
Totals ..	147,855	45,005	40,088	1,893,882	163,537	..	..	..	..	1,153
										5,684	
<i>Supplied direct from River Murray.</i>											
25. NYAH ..	3,843	2,622	7,186	52,255	13,592	0 6	..	..	0 4½	251
										950	
26. RED CLIFFS-MERBEIN ..	22,821	18,930	57,872	1,005,750	223,735	0 6	..	..	0 4½	1,472
										5,500	
27. ROBINVALE ..	4,994	3,765	9,413	116,519	..	0 2	..	..	..	77
Totals ..	31,658	25,319	74,471	1,174,524	137,327	..	..	..	..	1,800
										7,355	
<i>Supplied on a Sale of Water Basis.</i>											
28. CAMPASPE ..	19,736	..	..	153,572	9,041	2 0	1 0	..	..	147
29. TRESKO ..	4,650	2,045	..	65,413	13,906	2 6	1 3	..	..	297
										155	
Totals ..	24,386	2,045	..	218,985	22,947	..	..	..	..	330
										485	
Totals (Irrigation) ..	2,065,241	1,092,458	602,852	16,735,828	1,419,752	..	..	..	..	15,322
										44,542	

VALUATIONS, RATES, AND FLOOD PROTECTION CHARGES.

Districts supplied with Water for Domestic and Ordinary use and for Watering Cattle or other Stock.	Unimproved Capital Value.	Annual Value of Lands and Tenements.	Rate in the £1 made during Tear ended 30th June, 1954.			Minimum Amount of Rate per 640 Acres on Lands in the First Division.	Number of Assessments.	Estimated Number of Persons Dwelling in District.
WATERWORKS DISTRICT.								
Supplied from Wimmera-Mallee System.	Valuation by Commission.	Valuation by Commission.	Divisions.			£ s. d.		
	£	£	1st.	2nd	3rd.			
			s. d.	s. d.	s. d.			
30. BIRCHIP	701,024	44,571	3 0	1 6	0 9	20 0 0	486	860
31. HINDMARSH	139,980	8,719	2 9	..	0 8½	20 0 0	52	250
32. KARKAROOC	2,629,966	163,781	3 4	1 8	0 10	20 0 0	1,025	4,500
33. LONG LAKE	640,678	76,827	3 4	1 8	0 10	20 0 0	822	2,200
34. OUYEN	337,350	45,398	3 4	1 8	0 10	20 0 0	895	2,000
35. SEA LAKE	374,832	69,068	3 4	1 8	0 10	20 0 0	725	1,800
36. TYNTYNDER	307,540	40,053	3 4	1 8	0 10	20 0 0	826	2,100
37. TYRRELL	261,122	42,869	3 4	1 8	0 10	20 0 0	884	2,400
38. TYRRELL WEST	162,547	24,895	3 4	1 8	0 10	20 0 0	560	1,000
39. UPPER WESTERN WIMMERA	1,523,508	90,008	2 6	..	0 7½	20 0 0	515	1,706
40. UPPER WIMMERA UNITED	912,041	115,927	2 6	..	0 7½	20 0 0	852	2,350
41. WESTERN WIMMERA	5,063,785	288,155	2 3	1 1½	0 6¾	..	2,128	8,558
42. WIMMERA UNITED	7,207,107	354,441	1 9	0 10½	0 5¼	..	2,251	7,200
43. WYCHEPROOF	1,292,826	87,113	3 4	1 8	0 10	20 0 0	1,073	2,490
44. WYCHITELLA	944,699	61,254	2 6	1 3	0 7½	20 0 0	477	516
Totals	22,499,005	1,513,079	..	..	..	..	13,571	39,930
Supplied direct from River Murray.								
45. MILLEWA	114,965	29,595	3 4	1 8	0 10	11 10 0	476	813
46. TYNTYNDER NORTH	116,364	16,202	3 4	..	0 10	11 10 0	215	400
Totals	231,329	45,797	..	..	..	..	691	1,213
Supplied by Bores.								
47. WALPEUP WEST	983,016	57,870	1 0	0 6	..	6 13 4 1st Div., and 3 6 8 2nd Div.	1,091	1,750
Supplied from Coliban System.								
48. AXE CREEK	17,869	1,933	3 0	..	..	..	63	250
49. HARCOURT	61,106	89,958	1 6	..	..	..	195	600
Totals	78,975	10,891	..	..	..	..	258	850
Miscellaneous.								
50. EAST LODDON	307,114	19,707	2 0	1 0	0 6	..	265	180
51. KERANG NORTH-WEST LAKES	89,532	8,874	1 4	..	..	..	204	178
52. LODDON	505,662	29,742	2 0	1 0	0 6	..	309	225
53. NORMANVILLE	833,561	48,891	3 4	1 8	0 10	20 0 0	376	425
54. WERRIBEE	73,885	5,893	2 0	..	..	..	65	124
55. WEST LODDON	695,247	40,098	2 0	1 0	0 6	..	312	346
Totals	2,505,001	153,205	..	..	..	..	1,531	1,478
Total (Waterworks)	26,297,326	1,780,842	..	..	..	..	17,142	45,221

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, 1954.	Minimum Amount of Rate for Lands on which there is a Building.	Minimum Amount of Rate for Lands on which there is no Building.	Water Charge per 1,000 Gallons.	Number of Assessments.	Estimated Number of Persons Dwelling in District.
URBAN DISTRICTS AND DIVISIONS.							
<i>Supplied from Bellarine Peninsula System.</i>							
	£	s. d.	s. d.	s. d.	s. d.	s. d.	
56. ANGLESEA	8,246	3 6	80 0	10 0	1 3	1 3	326
57. BARWON HEADS AND OCEAN GROVE	36,574	2 2	50 0	10 0	1 3	1 3	1,135
58. BIRREGURRA	6,030	3 0	60 0	10 0	1 3	1 3	157
59. DRYSDALE	6,915	2 8	60 0	10 0	1 3	1 3	173
60. PORTARLINGTON	11,783	3 0	60 0	10 0	1 3	1 3	359
61. QUEENSLIFF AND POINT LONSDALE..	44,778	2 6	50 0	10 0	1 3	1 3	985
62. TORQUAY	33,269	2 6	50 0	10 0	1 3	1 3	658
Totals	147,595	..	..	..	..	..	3,793
<i>Supplied from Mornington Peninsula System.</i>							
63. BERWICK	12,875	2 6	50 0	10 0	1 3	1 3	492
64. BITTERN-CRIB POINT	12,762	2 6	50 0	10 0	1 3	1 3	407
65. BUNYIP	6,030	2 6	50 0	10 0	1 3	1 3	239
66. CHELSEA-FRANKSTON	687,789	1 4	30 0	10 0	1 3	1 3	9,736
67. CRANBOURNE	6,247	1 8	40 0	10 0	1 3	1 3	225
68. DANDENONG-SPRINGVALE	583,178	1 2	30 0	10 0	1 3	1 3	7,619
69. DROMANA-PORTSEA	422,327	1 2	50 0	10 0	1 3	1 3	4,371
70. GARFIELD	4,401	1 8	40 0	10 0	1 3	1 3	195
71. HASTINGS	10,821	2 2	50 0	10 0	1 3	1 3	239
72. LONGWARRY	5,960	1 4	40 0	10 0	1 3	1 3	179
73. MORNINGTON	236,953	1 2	30 0	10 0	1 3	1 3	1,791
74. PAKENHAM	14,335	1 2	40 0	10 0	1 3	1 3	394
75. SOMERVILLE	7,453	2 2	50 0	10 0	1 3	1 3	111
76. SOUTH FRANKSTON	93,178	1 4	40 0	10 0	1 3	1 3	673
Totals	2,094,309	..	..	..	..	..	26,671
<i>Supplied from Otway System.</i>							
77. ALLANSFORD	3,497	2 8	60 0	10 0	1 3	1 3	114
78. CAMPERDOWN	50,411	2 8	60 0	10 0	1 3	1 3	1,098
79. COBDEN	13,710	2 8	60 0	10 0	1 3	1 3	425
80. TERANG	37,365	2 8	60 0	10 0	1 3	1 3	813
Totals	104,983	..	..	..	..	..	2,450
81. ANTWERP	225	3 6	80 0	10 0	1 4	1 4	23
82. BERRIWILLOCK	2,472	3 6	80 0	10 0	1 3	1 3	74
83. BEULAH	3,741	3 0	60 0	10 0	1 3	1 3	201
84. BIRCHIP	9,257	3 6	80 0	10 0	1 3	1 3	223
85. BRIM	1,633	3 6	80 0	10 0	1 3	1 3	91
86. CHILLINGOLLAH	268	3 6	80 0	10 0	1 4	1 4	30
87. CHINKAPOOK	569	3 6	80 0	10 0	1 4	1 4	35
88. CULGOA	2,395	3 6	80 0	10 0	1 3	1 3	64
89. DIMBOOLA	22,095	1 2	30 0	10 0	1 3	1 3	688
90. DOON	274	2 6	50 0	10 0	1 3	1 3	6
91. HOPETOUN	8,519	2 6	50 0	10 0	1 3	1 3	295
92. JEPARIT	9,551	1 5	30 0	10 0	1 3	1 3	301
93. JUNG JUNG	1,268	3 6	80 0	10 0	1 3	1 3	44
Carried forward	62,267	..	..	..	..	..	2,075
10102/54.—4							5,940

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, 1954.	Minimum Amount of Rate for Lands on which there is a Building.	Minimum Amount of Rate for Lands on which there is no Building.	Water Charge per 1,000 Gallons.	Number of Assessments.	Estimated Number of Persons Dwelling in District.
URBAN DISTRICTS AND DIVISIONS—continued.							
	Municipal Valuation.				Rate Allowance.	Excess.	
	£	s. d.	s. d.	s. d.	s. d.	s. d.	
Brought forward	62,267						2,075 5,940
94. LALBERT	1,261	3 6	80 0	10 0	1 3	1 3	54 150
95. LASCELLES	846	3 6	80 0	10 0	1 3	1 3	71 115
96. MANANGATANG	3,113	3 6	80 0	10 0	1 4	1 4	125 430
97. MARNOO	1,701	2 4	50 0	10 0	1 3	1 3	49 300
98. MINYIP	10,960	3 0	60 0	10 0	1 3	1 3	295 800
99. NANDALY	325	3 6	80 0	10 0	1 4	1 4	35 100
100. NATIMUK	3,796	2 0	50 0	10 0	1 3	1 3	190 568
101. NULLAWIL	988	3 6	80 0	10 0	1 4	1 4	43 100
102. OUYEN	14,239	3 6	80 0	10 0	1 4	1 4	410 1,000
103. PATCHEWOLLOCK	995	3 6	80 0	10 0	1 4	1 4	78 166
104. PIMPINIO	394	0 4	..	..	..	..	30 68
105. QUAMBATOOK	5,135	2 6	50 0	10 0	1 3	1 3	169 485
106. RAINBOW	9,114	1 4	30 0	10 0	1 3	1 3	306 850
107. RUPANYUP	9,445	3 0	60 0	10 0	1 3	1 3	222 750
108. SEA LAKE	13,794	2 0	40 0	10 0	1 3	1 3	296 810
109. SPEED	529	3 6	80 0	10 0	1 4	1 4	21 90
110. TEMPY	284	3 6	80 0	10 0	1 4	1 4	32 107
111. ULTIMA	2,258	3 6	120 0	10 0	1 3	1 3	149 260
112. WAITCHIE	155	3 6	80 0	10 0	1 4	1 4	32 20
113. WALPEUP	945	3 6	130 0	10 0	1 4	1 4	60 140
114. WATCHEM	2,165	3 6	80 0	10 0	1 3	1 3	116 210
115. WOOMELANG	2,395	3 6	80 0	10 0	1 3	1 3	136 330
116. WOORINEN	1,893	3 6	80 0	10 0	1 3	1 3	76 260
117. WYCHEPROOF	14,896	3 6	80 0	10 0	1 3	1 3	286 840
118. YAAPEET	307	3 6	80 0	10 0	1 4	1 4	28 59
Totals	164,200	..	..	..	..	..	5,384 14,948
Supplied from Torumbarry System.							
119. COHUNA	25,982	1 8	40 0	10 0	1 3	1 3	511 1,400
120. KOONDRÖÖK	5,781	3 6	80 0	10 0	1 3	1 3	241 568
121. LEITCHVILLE	5,507	3 6	80 0	10 0	1 3	1 3	117 273
122. MURRABIT	782	3 6	80 0	10 0	1 4	1 4	35 68
Totals	38,052	..	..	..	..	..	904 2,309
Supplied direct from River Murray.							
123. CARWARP	96	3 6	80 0	10 0	1 4	1 4	19 31
124. LAKE BOGA	3,467	3 6	80 0	10 0	1 3	1 3	192 450
125. MERBEIN	19,302	2 6	50 0	10 0	1 3	1 3	481 1,400
126. MERINGUR	282	3 6	100 0	10 0	1 8	1 8	28 72
127. NYAH	1,773	3 6	80 0	10 0	1 3	1 3	77 210
128. NYAH WEST	6,870	2 0	40 0	10 0	1 3	1 3	188 500
129. PIANGIL	1,158	3 6	80 0	10 0	1 3	1 3	91 180
130. RED CLIFFS	32,935	2 6	50 0	10 0	1 3	1 3	637 3,100
131. ROBINVALE	6,082	3 6	80 0	10 0	1 4	1 4	187 128
132. WERRIMUL	1,019	3 6	100 0	10 0	1 8	1 8	58 458
Totals	72,986	..	..	..	..	..	1,958 6,529
Miscellaneous.							
133. COROP	148	3 6	80 0	10 0	1 3	1 3	15 50
134. DINGEE	403	3 6	80 0	10 0	1 3	1 3	25 47
135. HEYFIELD	12,657	3 0	60 0	10 0	1 3	1 3	317 1,450
136. LOCKINGTON	5,011	2 0	40 0	10 0	1 3	1 3	121 283
137. MACORNA	713	3 6	135 0	10 0	1 4	1 4	38 47
138. MARONG	1,256	3 6	80 0	10 0	1 3	1 3	52 200
139. MITIAMO	961	3 6	130 0	10 0	1 3	1 3	56 135
140. NEWSTEAD	4,889	3 6	80 0	10 0	1 3	1 3	173 400
Carried forward	26,038	..	..	..	..	..	797 2,612

VALUATIONS, RATES, AND FLOOD PROTECTION CHARGES—continued.

Districts Supplied with Water for Domestic and Ordinary Use from Pipe Reticulations.	Annual Value of Lauds and Tenements.	Rate in the £1 made during Year ended 30th June, 1954.	Minimum Amount of Rate for Lands on which there is a Building.	Minimum Amount of Rate for Lands on which there is no Building.	Water Charge per 1,000 Gallons.	Number of Assessments.	Estimated Number of Persons Dwelling in District.
URBAN DISTRICTS AND DIVISIONS—continued.							
Miscellaneous—continued.	Municipal Valuation.				Rate Allowance.	Excess.	
	£	s. d.	s. d.	s. d.	s. d.	s. d.	
Brought forward	26,038						797 2,612
141. PYRAMID HILL	7,295	2 0	40 0	10 0	1 3	1 3	184 610
142. STANHOPE	3,632	2 0	50 0	10 0	1 3	1 3	105 405
143. TALLYGAROPNA	1,560	3 6	100 0	10 0	1 3	1 3	40 105
144. WONTHAGGI	66,351	1 6	30 0	10 0	1 3	1 3	1,892 5,000
Totals	104,876	..	..	..	..	..	3,018 8,732

COLIBAN SYSTEM.							
	Municipal Valuation.				Rate Allowance.	Excess.	
	£	s. d.	s. d.	s. d.	s. d.	s. d.	
145. COLIBAN	810,206	1 6	20 0	10 0	1 3	1 3	16,687 62,550
Includes Bendigo, Castlemaine, Eaglehawk, Maldon, Barker's Creek, Campbell's Creek, Chewton, Elphinstone, Epsom, Ascot, Fryerstown, 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.							
Totals (Urban)	3,537,207	..	..	..	..	..	60,865 178,831

District.	Unimproved Capital Value.	Rate in the £1 made during Year ended 30th June, 1954.	Number of Assessments.	Estimated Number of Persons Dwelling in District.
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DRAINAGE DISTRICT.							
			Divisions.				
			1st.	2nd.	3rd.	4th.	
	£	s. d.	s. d.	s. d.	s. d.	s. d.	
146. CARRUM	858,263	0 4	0 3	0 2	0 1		5,814 5,100
(with a minimum amount of rate of 2/6 per tenement)							

District.	Annual Value of Lands and Tenements.	Rate in the £1 made during Year ended 30th June, 1954.	Number of Assessments.	Estimated Number of Persons Dwelling in District.
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FLOOD PROTECTION DISTRICTS.							
	Valuation by Commission. N.A.V.	Divisions.					
		1st.	2nd.	3rd.	4th.		
	£	s. d.	s. d.	s. d.	s. d.		
147. LOWER KOO-WEE-RUP	71,512	6 0	4 6	3 0	1 6	1,112	3,100
	Area in Acres.	Charge per Acre made during Year ended 30th June, 1954.					
		s. d.	s. d.	s. d.	s. d.		
148. CARDINIA	26,649	9 6	7 1½	4 9	2 4½	298	800
149. KANYAFELLA	12,632	0 3	..	0 1½	..	46	67
150. LOCH GARRY	41,687	0 2	..	..	..	114	197
Totals (Flood Protection)	80,968	..	..	..	..	1,570	4,164

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 15s. per acre foot with minimum annual payments for each and every holding. The minimum annual payment for any one holding in the Western Wimmera Waterworks District is either, £2 10s. per annum where the area irrigated is not greater than 3½ acres or, 15s. per acre per annum where the area irrigated exceeds 3½ acres. In the Wimmera United Waterworks District the minimum annual payment for any one holding is 15s. per acre per annum for the area irrigated.

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. 4699 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 3	50 0
MORNINGTON PENINSULA	1 3	50 0
OTWAY	1 3	50 0

FINANCE

(L. A. King, A.A.S.A., Chief Accountant.)

REVENUE.

The respective amounts paid to Consolidated Revenue during the past three years were :—

Year.	Water Rates and Charges, Diversion and Grazing Fees, &c.	Recoup on Account of Payments from Revenue.	Interest on (a) Lands Sold, (b) Plant and Machinery Account.	Total.
	£	£	£	£
1951-52 ..	1,240,684	631,126	(a) 29 (b) 47,244	1,919,083
1952-53 ..	1,373,558	615,731	(a) 97 (b) 46,840	2,036,226
1953-54 ..	1,755,571	656,811	(a) 113 (b) 45,164	2,457,659

The assessment for the year 1953-54 for rates and charges was £1,316,005 ; additional amounts collectable for sales of water, interest on arrears, &c., but excluding recoups (£656,811) were £519,079. The actual sum collected by way of rates and charges including arrears was £1,755,571 and represents an equivalent of 95·66 per cent. of the new money collectable (£1,835,084).

An amount of £37,111 was written off the books of the Commission for the financial year 1953-54, as compared with £20,107 for the previous year. The total amount written off for the eighteen years ended 30th June, 1954, under the various headings as shown hereunder, was £747,154.

	£
<i>Farmers' Debts Adjustment Act</i> 1935 (No. 4326)	87,102
Adjustment of arrears of rates and charges and irrecoverable amounts—Act No. 4513	172,192
Remission of Interest accrued on arrears to 30th June, 1940—Act No. 4740 ..	81,517
Reduction in rating classifications (Waterworks Districts) and of water right—Act No. 5017	8,651
Unoccupied or vacated Crown lands	258,291
Reduction in rating classifications other than applicable to Act No. 5017 ..	13,426
Concessions granted to water-users	52,576
<i>North-West Mallee Settlement Areas Act</i> 1948, No. 5321	19,585
Miscellaneous, including remission of interest accrued on Consolidated Arrears (Act No. 4740) subsequent to 30th June, 1940	53,814
	<hr/> 747,154

Subject to the provisions of the Water Act No. 4740, arrears of rates and charges totalling £437,635, as at 30th June, 1940, were consolidated, and are payable by instalments over periods up to twenty years from and inclusive of 1st January, 1941. The balance of instalments remaining as at 30th June, 1954, was £19,783. These consolidated arrears are not subject to interest conditionally upon the instalment being paid on the due date each year ; however, interest accrued to 30th June, 1954, through default in payment of instalments, amounted to £1,375.

The arrears of rates and charges increased from £219,077 as at 1st July, 1953, to £261,222 as at 30th June, 1954—this figure includes the balance, £19,783 plus accrued interest, of arrears consolidated under Act No. 4740, mentioned in the preceding paragraph.

EXPENDITURE.

The expenditure for the year on maintenance, water distribution, and management, and the comparative figures for 1952-53 are set out hereunder :—

	1952-53.	1953-54.
	£	£
From Annual Vote Appropriation	2,622,150	*2,690,036
From Annual Vote Appropriation (Exceptional) .. .	47,268	†27,826
	<hr/>	<hr/>
	2,669,418	2,717,862

* Includes £355,441 for recoup works, and also £307,480 for administration (including salaries, pay-roll tax, &c.) in respect of expenditure from other funds, charged to vote and recouped to Consolidated Revenue.

† Consists of £7,114 assistance to Sewerage Authorities where works are suspended; £19,046 subsidies to Sewerage Authorities in cases where the interest paid on Capital Liability is in excess of 3 per cent.; £586 subsidies to local Water Authorities to offset losses in reduction of rates; subsidies to local Water Authorities in cases where the interest paid on Capital Liability is in excess of 3 per cent., £1,080.

Total expenditure on works carried out or supervised by the Commission for the year 1953-54 was as set out hereunder :—

	£	£
Vote Funds	2,717,862	
Special Appropriation	7,000	
	<hr/>	2,724,862
Ordinary Loan Funds—		
Commission Works	7,452,867	
Contribution to River Murray Commission Works	200,000	
Waterworks Trusts and Local Governing Bodies	477,016	
River Improvement Trusts	75,577	
Latrobe Valley Drainage and Water Supply	270,105	
	<hr/>	8,475,565
Water Supply Works Depreciation Fund		131,720
		<hr/>
Total Expenditure on construction, operation, maintenance, and administration of Commission's Works and Water Supply Works supervised by Commission, including subsidies to Sewerage Authorities, &c.		11,332,147
		<hr/>
Expenditure on Capital construction works was provided from :—		
Water Supply Loans Application Act No. 5661		2,123,412
Water Supply Loans Application Act No. 5748		6,352,153
		<hr/>
		8,475,565
In addition, the Capital Loan Liability of the State for works of country Water Supply was increased as a result of loan conversion operations during the year, by an amount of		25,607
		<hr/>
The total increase in Loan Liability for the year was therefore		8,501,172
Deduct—Commission repayments to—	£	
State Loans Repayment Fund	151,427	
Redemption Account	8,945	
Repayments by Waterworks Trusts and Local Governing Bodies	34,209	
	<hr/>	194,581
		<hr/>
The net increase in Loan Liability for the year was		8,306,591

The contribution by the Government of Victoria to the River Murray Commission for the maintenance of works under the River Murray Agreement was £54,450 (included in the expenditure from Annual Vote Appropriation as shown above). The actual expenditure by this Commission on the maintenance of these works was £20,047 and on construction of new works £234,540.

CAPITAL LIABILITY.

The Capital Loan Liability of the State for works of Country Water Supply at 30th June, 1954, was £71,795,071 of which amount £63,620,925 is charged to the "Capital Expenditure borne by the State Account." Of the remainder £3,913,867 is charged to Waterworks Trusts and Local Governing Bodies, £68,141 to River Improvement Trusts, £289,026 is charged to Latrobe Valley drainage under the general supervision of the Commission, £1,511,084 is debited to the Plant and Machinery Account, and the balance, £2,392,029, represents the Capital Liability, after adjustment, debited to Districts and Divisions directly under the control of the Commission and to plant workshops. These figures are exclusive of an equity of £5,765,777 in the National Debt Sinking Fund.

In accordance with the provisions of the *Water Act* 1943, No. 4983, section 5, interest debited direct to water users on the cost of capital works incurred after the 30th June, 1943, is charged at the rate of 3 per cent. per annum. Interest on the Capital Liability for works of Country Water Supply, incurred prior to that date, is reckoned at the average rate of interest per centum (as determined by the Treasury) payable by the State of Victoria on securities in respect of Water Supply Loan Liabilities as at the thirtieth day of June in the preceding financial year. The average rate per centum of interest so charged for 1953-54 is £3 5s. 7d.

The amounts debited to Country Water Supply Works and the State Development Account on account of interest, exchange on overseas interest and Loan Conversion expenses were :—

	£	s.	d.
Interest	2,230,174	5	7
Exchange on overseas interest	104,956	9	4
Loan Conversion expenses	3,162	12	0
	2,338,293	6	11

The amount paid by the Treasury in respect of exchange on overseas interest and loan conversion expenses has not been debited direct to water users.

The following statement shows the approximate interest payment for 1953-54 in relation to the Capital Liability.

Capital Debited to—	Capital Liability as at 30th June, 1954.	Interest Liability (excluding Exchange and Loan Conversion Expenses).	Interest Paid by Water Users (including Arrears).
	£	£	£
Districts and Divisions under the direct control of the Commission	2,392,029	75,101	63,379
Waterworks Trusts, Local Governing Bodies and River Improvement Trusts, and Latrobe Valley drainage	4,271,033	124,779	125,920
Plant and Machinery Account	1,511,084	45,164	45,164
Capital Expenditure borne by the State Development Account	63,620,925	1,985,130	..
	71,795,071	2,230,174	234,463

ONCOST.

In order to meet the cost of Administration (as distinct from local supervision), Pay-roll Tax, Workers' Compensation, and other overhead expenses, an oncost charge of $8\frac{1}{3}$ per cent. is levied on the prime cost of works carried out from all funds other than Vote and is designed to cover in approximation the following items :—

Administration and Supervision—

	%	%
Head Office Administration	$3\frac{1}{4}$	
Head Office Divisional Officers and Staff	$1\frac{3}{4}$	
	—	5
Pay-roll Tax		$1\frac{1}{3}$
Workers' Compensation Insurance		1
General Expenditure—		
Printing, Stationery, Postages, Telephones, &c.		1
		—
		$8\frac{1}{3}$

DEPRECIATION.

The amount at credit of the Water Supply Works Depreciation Account in the Commission's books at 1st July, 1953, was £668,690 12s. 9d. An amount of £90,616 6s. 3d. was raised during the financial year 1953-54 for purposes of depreciation.

A further sum of £1,350 15s. 4d. was paid direct to the credit of the Fund, being amounts contributed by land holders and other bodies as capitalized maintenance of water supply works constructed for their respective benefits.

After crediting the Account with interest amounting to £16,683 ls. 1d. and deducting the expenditure (£131,720 5s. 11d.) from Depreciation for the year, the balance remaining in the Account as at 30th June, 1954, was £645,620 9s. 6d.

The Water Act No. 4513 provides that sums raised in respect of depreciation shall be paid into the Consolidated Revenue or, if the Treasurer so directs, shall to the extent that the Treasurer directs, be placed to the credit of the Water Supply Works Depreciation Fund. The Act provided further that all such moneys paid into the Consolidated Revenue shall be credited to the Water Supply Works Depreciation Account in the books of the Commission and credited with interest each year as if such sums had been placed to the credit of the Fund.

During the year, an amount of £561,958 8s. 9d., representing the balance of depreciation charges to 30th June, 1954, was transferred from the Commission's revenue to the Water Supply Works Depreciation Fund in the Treasury and is the first such transfer since 1947-48. The difference between the credit to the Depreciation Fund and the amounts credited to the Depreciation Account in the Commission's books—£60,812 13s. 9d. represents interest credited to Districts not yet credited by the Treasury.

It is desirable, in order to avoid fluctuations in the Commission's revenue, and to provide for heavy future expenditure in respect of depreciation, that transfers be made annually to the Depreciation Fund.

Details of the Water Supply Works Depreciation Account are set out on pages 98, 99, 150 of this Report.

PLANT AND MACHINERY ACCOUNT AND STORES SUPENSE ACCOUNTS.

The capital liability for large-size moveable plant and machinery, held in the Plant and Machinery Account as at 30th June, 1954, was £1,511,083 14s. 2d. (This amount is exclusive of plant in use on major construction works.)

Items of plant and machinery controlled in the Plant and Machinery Account are hired to the respective works on which they are 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 operating account is in credit to the extent of £367,053 2s. 1d.

The portion of the hire charge representing depreciation is paid direct to the credit of the Water Supply Plant and Machinery Depreciation Fund, which is kept in the Treasury. The amount at credit of this Fund, which is interest-bearing, was £561,823 16s. 4d. as at 30th June, 1954.

The amount at debit of the Water Supply Stores Suspense Account as at 30th June, 1954, was £660,247 19s. 6d.—whereas the book value of stores and equipment controlled within the Account was £1,027,301 ls. 7d. The difference, £367,053 2s. 1d., represents the amount at credit of the operating account (also controlled within the Stores Suspense Account), in respect to major items of plant recorded in Plant and Machinery Account.

The net debit for plant and material held by the Commission as at 30th June, 1954, is £3,072,614 3s. 9d. and is controlled within funds provided from the following sources:—

		£	s.	d.	£	s.	d.
Water Supply Stores Suspense Account (Act No. 5253)	..	..	..	..	660,247	19	6
Water Supply Loans Application Acts—							
Rocklands Reservoir (Suspense Account)	.. ..	36,375	5	4			
Gunbower Offtake Works (Suspense Account)	.. ..	3,881	11	5			
Big Eildon Dam (Suspense Account)	.. ..	104,279	19	3			
Bonnie Doon Project (Suspense Account)	.. ..	9,389	14	1			
Cairn Curran Reservoir (Suspense Account)	.. ..	134,499	2	11			
Central Gippsland Irrigation Project (Suspense Account)	.. ..	278,797	9	11			
Robinvale Irrigation District (Suspense Account)	.. ..	10,947	5	3			
Murray Valley Irrigation District (Suspense Account)	.. ..	60,567	9	0			
Goulburn-Waranga Channel Duplication (Suspense Account)	.. ..	30,320	0	0			
Tarago Tunnel Project (Suspense Account)	.. ..	232,224	12	11			
					901,282	10	1
Plant and Machinery Account (Act No. 4761)	.. ..	..	..	..	1,511,083	14	2
					3,072,614	3	9

REVENUE EXPENDITURE CHARGEABLE TO THE STATE ACCOUNT.

The Commission, by direction of the Governor in Council, has throughout 1953-54 continued the operation of 4 Irrigation Districts, 17 Waterworks Districts, 46 Urban Districts, and 6 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 amount so transferred for 1953-54 was £274,654 making a total of £3,030,035 borne by the State since 1st July, 1938.

In 32 of these districts an aggregate cash surplus of revenue over expenditure of £10,091 was obtained. This amount was applied to Interest (£1,074) Redemption (£77), and Depreciation (£2,555), leaving a sum of £6,385 available to the credit of the respective districts.

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

FINANCIAL STATEMENTS.

Financial statements in respect of the various Districts and Divisions controlled and supervised by the Commission are set out in the following pages.

FINANCIAL OPERATIONS, 1953-54.

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 Acts* 1937 (No. 4513) and 1944 (No. 5017) the Capital Liability of Country Water Supply Works has been 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 has been transferred to the "Capital Expenditure borne by the State Account."

"PAYING" DISTRICTS.

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.

The aggregate financial transactions for the year 1953-54 however, in respect of the districts listed hereunder, resulted in an excess of expenditure over revenue to the extent of £69,811. This is due mainly to increased operating costs.

Irrigation and Water Supply Districts (25).

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

Waterworks Districts (13).

Bellarine Peninsula	Mornington Peninsula	Otway	West Loddon
East Loddon	Newstead	Werribee	Wimmera United
Harcourt	Normanville	Western Wimmera	Wychitella
Loddon			

Urban Divisions and Districts (38).

Cohuna	Berriwillock	Dimboola	Pimpinio
Lockington	Berwick	Dromana-Portsea	Pyramid Hill
Macorna	Birregurra	Jeparit	Queenscliff and
Red Cliffs	Brim	Longwarry	Point Lonsdale
Robinvale	Camperdown	Marnoo	Rainbow
Tallygaroopna	Chelsea-Frankston	Merbein	Rupanyup
Allansford	Cobden	Minyip	Somerville
Antwerp	Cranbourne	Mornington	South Frankston
Barwon Heads and	Culgoa	Natimuk	Terang
Ocean Grove	Dandenong-Springvale	Pakenham	Watchem

Drainage District (1).

Carrum

“NON-PAYING” DISTRICTS.

(To which supplies of water are continued by direction of the Governor in Council.)

Where the revenue from existing rates and charges is insufficient to meet operating costs, the works in such centres may be maintained and the supply of water continued by direction of Parliament or the Governor in Council, in which case the loss resulting from their 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”.

Districts which were maintained and operated by direction of the Governor in Council are listed hereunder :—

Irrigation and Water Supply Districts (4).

Fish Point	Nyah	Red Cliffs-Merbein	Tresco
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Waterworks Districts (17).

Axe Creek	Long Lake	Tyntynder North	*Upper Wimmera
Birchip	Millewa	Tyrrell	United
Hindmarsh	Ouyen	Tyrrell West	Walpeup West
Karkarooc	Sea Lake	*Upper Western	Wycheproof
Kerang North-west Lakes	Tyntynder	Wimmera	

Urban Divisions and Districts (52).

*Corop	Chinkapook	Marong	Sea Lake
Dingee	Coliban	Meringur	*Speed
*Heyfield	Dooen	*Mitiamo	*Tempy
*Leitchville	*Drysedale	*Nandaly	*Torquay
Murrabit	*Garfield	Newstead	*Ultima
*Stanhope	*Hastings	Nullawil	Waitchie
*Anglesea	*Hopetoun	*Nyah	Walpeup
Beulah	Jung Jung	*Nyah West	Werrimull
Birchip	Koondrook	*Ouyen	*Wonthaggi
*Bittern-Crib Point	Lake Boga	Patchewollock	*Woomelang
*Bunyip	*Lalbert	*Piangil	*Woorinen
Carwarp	*Lascelles	*Portarlinton	*Wycheproof
*Chillingollah	Manangatang	*Quambatook	Yaapeet

In districts marked “*” the operations for 1953-54 resulted in an aggregate cash surplus of £10,091. Of this amount, a sum of £1,150 has been applied to redemption and interest.

The amount debited to “The Revenue Expenditure chargeable to the	£
the State Account” in respect of Districts maintained during 1953-54 by	
direction of the Governor in Council, in which the Revenue was insufficient to	
meet operating costs, was	274,654

NATIONAL SERVICES.

Included in the heading of “National Services” are such items as river gaugings and inspections; contributions to the River Murray Commission for the maintenance of River Murray works; supervision and administration in respect to waterworks trusts, sewerage authorities, river improvement trusts, and of works constructed from other funds, &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 1953-54, and paid from the Commission's Vote Appropriation was	£
	907,768
This amount may be offset by miscellaneous revenue collected in respect to diversion permits, rents, recoup payments, &c.	751,848
	<u>155,920</u>

No direct contribution is made to the Commission's revenue to offset the "utility service" 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 in the Auditor-General's Report for 1953-54 that the net cost to the State for the year in connexion with country water supply which has been met from general revenue was £3,052,155. This figure includes the cost of the service referred to earlier. 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 £338,080, being the net deficiency (£268,269) on Districts in which the revenue was insufficient to meet expenses, the operations of which, as already intimated, were continued by direction of the Governor in Council plus a loss of £69,811 on other Commission Districts.

A summary of the total cost (£3,052,155) to the State for the year is set out hereunder—a more detailed analysis is set out on page 63 of this Report.

	£	£
Net loss on Commission Districts	69,811	
Net loss on "Order in Council" Districts	268,269	
		<u>338,080</u>
Cost of "National Services"	907,768	
Less Miscellaneous Revenue Collected	751,848	
		<u>155,920</u>
		494,000
Interest, Exchange, and Loan Conversion Expenses on Headworks and Capital borne by the State	2,093,249	
Less Interest on Land sold	£113	
Less Interest paid by Waterworks Trusts in excess of amounts charged 1953-54	1,141	
	<u>1,254</u>	
		<u>2,091,995</u>
		2,585,995
Less amount paid to Revenue in respect of Depreciation (£90,616) and Redemption (£5,182)		95,798
		<u>2,490,197</u>
Add amount transferred from Revenue to Depreciation Fund		561,958
		<u>3,052,155</u>

The net cost to the State (£3,052,155) was £500,195 more than the comparable figure for the previous year.

This increase is due to the transfer from the Commission's revenue to the Water Supply Works Depreciation Fund by the Treasurer of an amount of £561,958 8s. 9d.; as referred to earlier in this report. This amount represents an accumulation of charges raised in previous years, the effect in those years when no transfers were made on account of the charges being to understate the actual cost to the State, with a correspondingly overstated cost in the current year.

The major item tending to increase the cost of Country Water Supply to the State is the total Interest, Exchange, and Conversion Expenses on Loan Liability (£2,338,293 as against £2,025,931 for 1952-53) the steady increase in this item being directly attributable to the healthy programme of loan works being pursued by the Commission.

Increases in operating costs (£38,938), the major portion of the total vote expenditure increase (£47,116) for the year, were more than offset by increased revenue from Irrigation Charges (£173,243), General Rate (£122,174), and Sales of Water (£56,347) over that for 1952/53.

Provision exists for the transfer from the "Capital Expenditure borne by the State Account" to the direct liability of water users of such amounts of the Capital Liability as are commensurate with the development of the respective districts. Accordingly, additional Capital Liability totalling £1,262,101 in respect of some urban districts within the Mornington Peninsula System, and the Dimboola and Wonthaggi Urban Districts was transferred as from 1st July, 1953, from the State-borne Capital to the direct debit of the districts. The consequent additional Interest charges met by these districts amounted to £38,170.

Major Water Supply Projects under construction will involve a large expenditure of capital funds, but as the cost of these works will be borne by the State, it is inevitable that, notwithstanding increasing developments the cost to the State will tend to increase. The amount (£3,052,155) borne by the community for the year 1953-54 is equivalent to £1 4s. 11d. per head of the population of the State, and represents the contribution of the individual citizen towards the indirect but enormous benefits derived from the State works of Country Water Supply.

FINANCIAL STATEMENTS

RESULTS OF OPERATIONS IN DISTRICTS UNDER CONTROL OF COMMISSION.

Disbursements, 1953-54.

	Operating Expenses.	Interest on Capital Allotted.	Depreciation Paid by Districts.		Redemption Paid by Districts.	Total Disbursements.
			On Works.	On Buildings.		
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Plant Workshops	24,769 10 10	576 2 6	1,412 0 0	.. ..	44 1 10	26,801 15 2
Coliban Works	126,882 0 3	9,612 7 4	7,755 0 0	539 0 0	.. ..	144,788 7 7
Irrigation Districts	982,354 7 0	.. ..	41,410 0 0	6,532 0 0	.. ..	1,030,296 7 0
Irrigation Urban Divisions	11,682 16 7	160 1 11	835 6 3	.. ..	71 3 9	12,749 8 6
Waterworks Districts	499,184 0 1	12,788 4 2	10,670 0 0	2,135 0 0	818 17 7	525,596 1 10
Waterworks Urban Districts	163,066 11 10	51,963 14 5	18,534 0 0	688 0 0	4,247 2 11	238,499 9 2
Flood Protection Districts	39,952 14 7	.. ..	.. ..	85 0 0	.. ..	40,037 14 7
Carrum Drainage District	5,984 4 5	.. ..	.. ..	21 0 0	.. ..	6,005 4 5
	1,853,876 5 7	75,100 10 4	80,616 6 3	10,000 0 0	5,181 6 1	2,024,774 8 3
Expenditure not chargeable to Districts—River Murray Commission, Recoupable and other items	863,985 14 6	.. ..	.. ..	.. ..	.. ..	863,985 14 6
	2,717,862 0 1	75,100 10 4	80,616 6 3	10,000 0 0	5,181 6 1*	2,888,760 2 9

* Exclusive of Redemption paid in respect of Plant and Machinery Account.

Receipts, 1953-54.

	Water Rates and Charges, Diversion and Grazing Fees, &c.	Recoups on Account of Payments from Revenue.	Total Receipts.	Less—Transfer to Depreciation Fund.	Nett Collections Paid to Consolidated Revenue.	Excess (Dr.) Disbursements over Receipts (Cr.) Receipts over Disbursements.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Plant Workshops	878 4 6	26,587 15 8	27,466 0 2	7,942 0 0	19,524 0 2	(Dr.) 7,277 15 0
Coliban Works	102,273 7 5	100 18 9	102,374 6 2	61,757 7 10	40,616 18 4	(Dr.) 104,171 9 3
Irrigation Districts	918,881 9 10	2,531 4 1	921,412 13 11	233,969 0 0	687,443 13 11	(Dr.) 342,852 13 1
Irrigation Urban Divisions	15,472 5 5	1 0 10	15,473 6 3	13,887 0 3	1,586 6 0	(Dr.) 11,163 2 6
Waterworks Districts	325,376 16 10	89 14 9	325,466 11 7	5,044 14 2	320,421 17 5	(Dr.) 205,174 4 5
Waterworks Urban Districts	260,839 7 4	162 19 4	261,002 6 8	235,014 6 6	25,988 0 2	(Dr.) 212,511 9 0
Flood Protection Districts	25,249 14 7	.. ..	25,249 14 7	690 0 0	24,559 14 7	(Dr.) 15,478 0 0
Carrum Drainage District	8,237 6 3	11 19 3	8,249 5 6	3,654 0 0	4,595 5 6	(Dr.) 1,409 18 11
	1,657,208 12 2	29,485 12 8	1,686,694 4 10	561,958 8 9	1,124,735 16 1	(Dr.) 900,038 12 2
Diversions and Miscellaneous Recoups of amounts paid from Revenue not credited to Districts	98,362 12 7	.. ..	98,362 12 7	.. ..	98,362 12 7	(Cr.) 98,362 12 7
	.. ..	627,325 9 11	627,325 9 11	.. ..	627,325 9 11	(Dr.) 236,660 4 7
	1,755,571 4 9	656,811 2 7	2,412,382 7 4	561,958 8 9	1,850,423 18 7	(Dr.) 1,038,336 4 2

SUMMARY OF OPERATIONS FOR YEAR 1953-54.

Receipts.			COMMISSION DISTRICTS.			Expenditure.			(Result.)
		£ s. d.			£ s. d.			£ s. d.	
Rates and Charges .. ..	.. ..	1,686,694 4 10	Vote Funds .. ..	.. ..	1,853,876 5 7				
less Depreciation Transfer .. ..	.. ..	561,958 8 9							
		1,124,735 16 1	Interest charged on Capital borne by Districts .. ..	.. ..	75,100 10 4				Dr. 804,240 19 10
Deficiency .. ..	.. ..	804,240 19 10							
		1,928,976 15 11						1,928,976 15 11	
OTHER WORKS AND SERVICES.									
Diversions, Grazing Rentals, &c.									
Permits and Licence Fees and Charges, Grazing Rentals, &c. .. ..	.. ..	98,362 12 7	Surplus .. ..	.. ..	98,362 12 7	Cr.		98,362 12 7	
		98,362 12 7						98,362 12 7	
Construction, Administration and Works for Other Authorities, and Water Users.									
On-cost received .. ..	.. ..	250,200 11 2	Administration .. ..	.. ..	307,480 2 3				
Recoups of Expenditure .. ..	.. ..	376,874 18 9	Expenditure Recoupable .. ..	.. ..	355,440 12 6				Dr. 35,845 4 10
Deficiency .. ..	.. ..	35,845 4 10							
		662,920 14 9						662,920 14 9	
River Murray, Sewerage, and Miscellaneous National Services.									
Recoup of Expenditure .. ..	.. ..	250 0 0	Commissioners' Salaries .. ..	.. ..	7,000 0 0				
Grants to Sewerage Authorities .. ..	.. ..	26,159 18 11	River Murray, Sewerage, and Trusts .. ..	.. ..	82,275 10 7				
			Miscellaneous National Services .. ..	.. ..	118,789 9 2				
Deficiency .. ..	.. ..	218,436 19 2	Pensions and Gratuities .. ..	.. ..	36,781 18 4				Dr. 218,436 19 2
		244,846 18 1						244,846 18 1	
			Net Cost to the State for Services of a National Character .. ..	.. ..	.. ..	Dr.		960,160 11 3	
Capital Charges.									
Interest Paid by Trusts .. ..	.. ..	125,920 9 10	Interest, Exchange, and Loan Conversion Expenses .. ..	.. ..	2,338,293 6 11				
.. from Plant Hire, &c. .. ..	.. ..	45,277 16 6							
.. charged to Commission Districts .. ..	.. ..	75,100 10 4							Dr. 2,091,994 10 3
.. Deficiency .. ..	.. ..	2,091,994 10 3							
		2,338,293 6 11						2,338,293 6 11	
			Total Expenditure Borne by the State .. ..	.. ..	.. ..			3,052,155 1 6	

ANALYSIS OF EXPENDITURE BORNE BY THE STATE, 1953-54.

	£	s.	d.	£	s.	d.
Services of a National Character—						
River Murray Commission's Contributions by State of Victoria in accordance with the provisions of the River Murray Water Acts .. .. .	..	..	..	54,450	0	0
Assistance to Sewerage Authorities—						
Where suspension of Works is being continued	7,114	0	0			
In cases where the Interest paid on Capital Liability is in excess of the rate 3 per cent. ..	19,045	18	11			
				26,159	18	11
Subsidies to Waterworks Trusts and Local Governing Bodies—						
To enable a reduction of 33½ per cent. to be made in Water Rates	585	17	0			
Where Interest is in excess of 3 per cent. on Loans raised under Act No. 5637	1,079	14	8			
				1,665	11	8
Payment to First Mildura Irrigation Trust consistent with reduction in Rates in Pumping Districts in Irrigation Areas controlled by the Commission .. .. .	..	..	..	18,000	0	0
Miscellaneous Services—						
Administration Waterworks Trusts and Sewerage Authorities, &c.	10,898	19	3			
Administration Farm Water Supplies (Act No. 5020)	1,163	12	3			
Irrigation Branch	7,927	19	5			
Travelling, Minister and Commissioners	3,582	17	6			
Minister's staff, salaries and Pay-Roll Tax, Commissioner's Cost of Living Allowances and Pay-Roll Tax	3,764	7	4			
Free Water for Research, Free Places Melbourne University, Library, Publicity, &c. ..	37,978	0	5			
Rivers and Reclamation Division, River Gaugings, Diversions, Land Leasing, Surveys and Reports, Underground Water and Mining Investigations, Hydraulic Research	35,473	13	0			
				100,789	9	2
Administration in respect to Expenditure from other Funds and Works carried out for other Authorities (including Salaries, Pay-Roll Tax, &c.) .. .. .	..	..	..	307,480	2	3
Works carried out for Other Authorities and Water Users, and Salaries charged to construction Projects, Recoupable .. .. .	..	..	..	355,440	12	6
TOTAL (from Vote Funds) .. .. .	..	..	..	863,985	14	6
Commissioner's Salaries (Special appropriation) .. .. .	..	..	..	7,000	0	0
TOTAL Expenditure on Service of a National Character .. .. .	..	..	..	870,985	14	6
Amount debited by Treasury for Pensions and Gratuities .. .. .	..	..	..	36,781	18	4
				907,767	12	10
Less Revenue received from Headworks, Diversion Permits, &c., £98,362 12s. 7d.; On-cost of Expenditure from Other Funds, £250,200 11s. 2d.; Recoups, £376,874 18 9	725,438	2	6			
„ Special Recoup, Commissioner's Salaries	250	0	0			
„ Grants by State, Assistance to Sewerage Authorities	26,159	18	11			
				751,848	1	5
Net cost to the State for Services of a National Character .. .. .	..	..	..	155,919	11	5
Interest on Capital Expenditure on Headworks and other Capital Expenditure borne by the State	1,985,129	19	5			
Exchange on Overseas Interest Payments	104,956	9	4			
Loan Conversion Expenses	3,162	12	0			
	2,093,249	0	9			
	£	s.	d.			
Less Interest paid by Waterworks Trusts in excess of amount charged 1953-54	1,141	2	2			
„ Interest on Lands Sold	113	8	4			
				1,254	10	6
				2,091,994	10	3
Commission Districts—						
Districts, the Capital Liability of which have been adjusted under Acts Nos. 4513 and 5017—						
Excess Expenditure over Revenue after allowing for Depreciation, £55,600 6s. 3d., and Redemption, £5,104 16s. 2d. .. .. .	..	..	..	5,624	12	6
Current Interest—						
Paid	62,304	13	3			
Forward Unpaid	1,881	19	8			
				64,186	12	11
				69,811	5	5
Districts supplied by direction of Governor in Council, but which show excess Revenue over Operating Costs after allowing for Depreciation, £2,555 5s. 11d., and Redemption, £76 9s. 11d.—						
Surplus	7,458	19	3			
Less Current Interest Paid	1,074	3	10			
				Cr. 6,384	15	5
				63,426	10	0
Excess Expenditure in Districts supplied by direction of Governor in Council and showing excess Expenditure over Revenue inclusive of Interest, £9,839 13s. 7d., and Depreciation, £32,460 14s. 1d. .. .. .	..	..	..	274,653	13	5
				338,080	3	5
Add amounts transferred to Water Supply Works Depreciation Fund in Treasury on Account of moneys paid to Revenue and Interest credited to Depreciation Account	561,958	8	9			
				900,038	12	2
Deduct amounts paid to Revenue in respect of Depreciation on Works and Buildings, £90,616 6s. 3d. and Redemption £5,181 6s. 1d.	95,797	12	4			
				804,240	19	10
Net Expenditure borne by the State .. .. .	..	..	..	3,052,155	1	6

SUMMARY OF CAPITAL EXPENDITURE, LOAN LIABILITY, INTEREST and EXCHANGE.

CAPITAL EXPENDITURE 1953-54.

	£	s.	d.	£	s.	d.
Expenditure during the year on Capital Works of Water Supply—						
Ordinary Loan Funds (Details, pages 102, 103, 104)	8,475,565 5 9

LOAN CAPITAL LIABILITY.

Net Loan Liability of State for Works of Country Water Supply at 30th June, 1954	66,701,185 10 3
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	£	s.	d.
Represented by—			
Works at Debit of Authorities—			
Commission Districts	2,374,329	0	3
Water Supply Plant and Machinery Account	1,511,083	14	2
Plant Workshops	17,699	15	4
Waterworks Trusts and Local Governing Bodies	3,913,866	12	3
River Improvement Trusts	68,140	17	9
Latrobe Valley Drainage	289,025	16	4
			8,174,145 16 1
Capital Expenditure Borne by the State—			
Headworks not apportionable to Districts	4,092,452	3	2
Capital Works and Charges not apportionable to Districts	1,259,784	2	8
Headworks and Distributory Works	54,851,323	19	11
Waterworks Trusts and Local Governing Bodies	3,275,008	18	8
Free Grants to Local Authorities in early years	142,356	4	11
			63,620,925 9 4

Net Loan Capital Liability of Commission's Districts, Divisions, and Works under Control of the Commission	71,795,071 5 5
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Less Amount from National Debt Sinking Fund, being the difference between redemption recoup contributions paid by Districts, Waterworks Trusts, &c. (£671,891 1s. 8d.) and the amount (£5,765,776 16s. 10d.) contributed from Consolidated Revenue to the National Debt Sinking Fund (page 113)	5,093,885 15 2
	66,701,185 10 3

Add Cash on Hand at Treasury .. .. .	..
Net Liability Country Water Supply Capital Account in Treasury	66,701,185 10 3

INTEREST AND EXCHANGE.

The Total Interest on the Loan Liability for 1953-54 is	2,230,174 5 7
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To which is to be added—	
Exchange payable on Overseas Interest	104,956 9 4
Loan Conversion Expenses	3,162 12 0
	2,338,293 6 11

Interest Debitable to—	
Works at Debit of Authorities—	
Commission Districts	75,100 10 4
Trusts	124,779 7 8
Water Supply Plant and Machinery Account	45,164 8 2
	245,044 6 2
Capital Expenditure Borne by the State—	
Capital Works and Charges	127,694 12 3
State Works of Water Supply	39,308 7 5
Headworks and Distributory Works not debited to Districts	1,711,496 15 3
Waterworks Trusts and Local Governing Bodies	102,188 7 4
Free Grants to Local Authorities in early years	4,441 17 2
	1,985,129 19 5
	2,230,174 5 7
Exchange £104,956 9s. 4d. and Loan Conversion Expenses, £3,162 12s. not apportioned	108,119 1 4
	2,338,293 6 11

RECEIPTS AND DISBURSEMENTS.

STATEMENT of Moneys Received and Disbursed during the Year Ended 30th June, 1954.

Works.	Receipts.			Disbursements from Annual Vote and (a) Special Appropriation (Exclusive of Interest Redemption and Depreciation Charges.)
	Total.	Paid to Depreciation Fund.	Paid to Consolidated Revenue.	
	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Commission's Districts—				
Plant Workshops	27,466 0 2	7,942 0 0	19,524 0 2	24,769 10 10
Coliban Works	102,374 6 2	61,757 7 10	40,616 18 4	126,882 0 3
Irrigation Districts	921,412 13 11	233,969 0 0	687,443 13 11	982,354 7 0
Irrigation Urban Divisions	15,473 6 3	13,887 0 3	1,586 6 0	11,682 16 7
Waterworks Districts	325,466 11 7	5,044 14 2	320,421 17 5	499,184 0 1
Waterworks Urban Districts	261,002 6 8	235,014 6 6	25,988 0 2	163,066 11 10
Flood Protection Districts	25,249 14 7	690 0 0	24,559 14 7	39,952 14 7
Carrum Drainage District	8,249 5 6	3,654 0 0	4,595 5 6	5,984 4 5
	1,686,694 4 10	561,958 8 9	1,124,735 16 1	1,853,876 5 7
Other works and services (not directly apportionable to Districts)—				
Diversions—				
Rivers and Streams	18,439 5 0	..	18,439 5 0	..
Headworks	6,534 9 5	..	6,534 9 5	..
Miscellaneous, Grazing Rentals, &c.	73,388 18 2	..	73,388 18 2	..
	98,362 12 7	..	98,362 12 7	..
River Murray Commission .. .. .	..	..	..	54,450 0 0
Assistance to Sewerage Authorities .. .. .	..	..	..	26,159 18 11
Assistance to Waterworks Trusts .. .. .	..	..	..	1,665 11 8
Miscellaneous National Services .. .. .	..	..	..	118,789 9 2
Expenditure Recoupable	376,874 18 9	..	376,874 18 9	355,440 12 6
Administration in respect of Expenditure from other funds (including Salaries, Pay-roll Tax, &c.)	250,200 11 2	..	250,200 11 2	307,480 2 3
	627,075 9 11	..	627,075 9 11	863,985 14 6
Total—Other Works and Services	725,438 2 6	..	725,438 2 6	863,985 14 6
Total—Vote	2,412,132 7 4	561,958 8 9	1,850,173 18 7	2,717,862 0 1
Commissioner's Salaries (Special Appropriation)	250 0 0	..	250 0 0	(a) 7,000 0 0
Grand Totals	2,412,382 7 4	561,958 8 9	1,850,423 18 7	2,724,862 0 1
Total Disbursements from Vote, and special Appropriation .. .. .	..	..	..	2,724,862 0 1
Net Receipts paid to Consolidated Revenue .. .. .	..	..	1,850,423 18 7	..
Grants from Revenue—				
To Assist Sewerage Authorities .. .. .	..	..	26,159 18 11	1,876,583 17 6
Deficiency from Commission's Operations .. .. .	..	..	..	848,278 2 7
Amount not included in above Statement—				
Debits by Treasury for Pension and Gratuities .. .. .	..	..	36,781 18 4	..
Interest Paid:—By Waterworks Trusts and Local Governing Bodies, £125,920 9s. 10d.				
Plant and Machinery Account, &c., £45,164 8s. 2d.: and on Land Sold £113 8s. 4d.			Cr. 171,198 6 4	Cr. 134,416 8 0
Deficiency Chargeable to State exclusive of Interest, Exchange, and Loan Conversion Expenses .. .. .	..	..	..	713,861 14 7
Interest, Exchange, and Loan Conversion Expenses .. .. .	..	..	..	2,338,293 6 11
Total amount borne by the State .. .. .	..	..	..	3,052,155 1 6

PLANT WORKSHOPS.
CASH ACCOUNT.

District.	Receipts.				Expenditure.								Accumulated—			
	Receipts		Total to 30th June, 1954.		Year Ended 30th June, 1954.								Excess Expenditure over Receipts 1953-54.		Excess Receipts over Expenditure 1953-54.	
	Receipts Year Ended 30th June, 1954.	2.	£ s. d.	£ s. d.	Operating Costs.	Interest.	Depreciation.	Redemption.	Total.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
1.				3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	
1. Bendigo	25,951 14 1	878 4 6	128,356 4 7	3,913 19 11	23,573 2 10	521 9 3	970 0 0	44 1 10	25,108 13 11	174,329 9 0	116 15 6	843 0 2	..	45,973 4 5	..	
2. Residences (14)	..	..	..	..	645 0 0	..	350 0 0	..	995 0 0	4,350 0 0	..	..	..	436 0 1	..	
Total Central Plant	26,829 18 7	636 1 7	132,270 4 6	636 1 7	24,218 2 10	521 9 3	1,320 0 0	44 1 10	26,103 13 11	178,679 9 0	116 15 6	843 0 2	..	46,409 4 6	..	
Workshops	..	..	..	..	551 8 0	54 13 3	92 0 0	..	698 1 3	698 1 3	61 19 8	..	..	61 19 8	..	
3. Kerang Sub-depot	..	..	..	..	24,769 10 10	576 2 6	1,412 0 0	44 1 10	26,801 15 2	179,377 10 3	178 15 2	843 0 2	..	46,471 4 2	..	
Total	27,466 0 2	132,906 6 1	..	..	..	..	..	..	..	..	..	..	..	..	..	..

COLIBAN SYSTEM.
CASH ACCOUNT.

STATEMENTS of Moneys received and disbursed from 1st July, 1905, to 30th June, 1954; also of Interest charged at the rates of 3.279 per cent. on Capital Debits as at 30th June, 1943, and 3 per cent. on Capital Debits subsequent to 30th June, 1943, and of Depreciation and Redemption charged for Financial Year 1953-54.

District.	Receipts.				Expenditure.								Accumulated—			
	Receipts		Total 1905 to 30th June, 1954.		Year Ended 30th June, 1954.								Excess Expenditure over Receipts 1953-54.		Excess Receipts over Expenditure 1953-54.	
	Receipts Year Ended 30th June, 1954.	2.	£ s. d.	£ s. d.	Operating Costs.	Interest.	Depreciation.	Redemption.	Total.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
1.				3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	
1. Harcourt	4,803 19 3	73,363 11 2	4,803 19 3	73,363 11 2	4,731 1 5	..	50 0 0	..	4,781 1 5	72,591 4 11	..	22 17 10	772 6 3	..	..
Totals	4,803 19 3	73,363 11 2	..	..	4,731 1 5	..	50 0 0	..	4,781 1 5	72,591 4 11	..	22 17 10	772 6 3	..	..
2. Axe Creek	1,053 17 7	15,554 3 1	96,218 15 9	2,251,804 10 7	1,800 0 9	9,611 12 7	5 0 0	..	1,305 0 9	17,168 9 6	251 3 2	..	..	972 10 0	641 16 5	
3. Coliban	..	..	..	..	120,476 17 1	8,198 0 0	41 0 0	..	138,286 9 8	3,349,611 1 10	42,087 13 11	..	..	13,729 8 9	1,084,077 2 6	
4. Marong	297 13 7	4,620 16 11	..	..	374 1 0	0 14 9	..	..	415 15 9	5,885 8 9	118 2 2	..	..	210 8 10	1,054 3 0	
Totals	97,570 6 11	2,271,979 10 7	..	..	122,150 18 10	9,612 7 4	8,244 0 0	..	140,007 6 2	3,372,665 0 1	42,436 19 3	..	..	14,912 7 7	1,085,773 1 11	
Grand Totals	102,374 6 2	2,345,343 1 9	..	..	126,882 0 3	9,612 7 4	8,294 0 0	..	144,788 7 7	3,445,256 5 0	42,436 19 3	22 17 10	772 6 3	14,912 7 7	1,085,773 1 11	

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 8th November, 1943, 18th December, 1944, and 26th February, 1946, under the provisions of Section 6, *Water Act 1937*, No. 4513.)

PLANT WORKSHOPS.
PROFIT AND LOSS ACCOUNT FOR FINANCIAL YEAR 1953-54.

	Expenditure				Profit and Loss.			
	(A) Value of Work Completed or in Progress	(B) House Rents.	Operating Costs.	Interest.	Depreciation.	Redemption.	Total.	
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
1. Bendigo	26,340 18 10	23,573 2 10	521 9 3	44 1 10	25,108 13 11	995 0 0	1,232 4 11	34,589 13 9
2. Residences (14)	878 4 6	645 0 0	..	..	..	..	..	436 0 1
Total Central Plant Workshops	27,219 3 4	24,218 2 10	521 9 3	44 1 10	26,103 13 11	116 15 6	1,232 4 11	35,025 13 10
3. Kerang Sub-depot	690 19 4	551 8 0	54 13 3	4 11 1	702 12 4	11 13 0	..	11 13 0
Total	27,910 2 8	24,769 10 10	576 2 6	48 12 11	26,806 6 3	128 8 6	1,232 4 11	35,037 6 10

COLIBAN SYSTEM.

PROFIT AND LOSS ACCOUNT FOR FINANCIAL YEAR 1953-54.

STATEMENT of Revenue Assessment (inclusive of Rates, Water Sales, Interest, and Miscellaneous) and Expenditure, Interest, Depreciation, and Redemption charged and Amounts Written Off.

District.	Expenditure.				Profit and Loss.					
	Revenue Assessment.	Operating Costs.	Interest.	Depreciation.	Redemption.	Amounts Written Off.	Total.	Excess Expenditure over Assessment.	Excess Assessment over Expenditure.	
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
1. Harcourt	4,799 7 4	4,731 1 5	..	50 0 0	..	..	4,781 1 5	18 5 11	..	770 3 10
Total	4,799 7 4	4,731 1 5	..	50 0 0	..	..	4,781 1 5	18 5 11	..	770 3 10

2. Axe Creek	1,031 0 8	1,300 0 9	5 0 0	8,198 0 0	733 0 0	1 18 11	1,306 19 8	275 19 0	..	1,587 2 11
3. Coliban	97,713 0 10	120,476 17 1	9,611 12 7	8,198 0 0	733 0 0	12 15 6	139,082 5 2	41,319 4 4	..	269,156 18 10
4. Marong	301 0 7	374 1 0	0 14 9	41 0 0	0 1 10	..	415 17 7	114 17 0	..	1,215 10 11
Totals	99,045 2 1	122,150 18 10	9,612 7 4	8,244 0 0	733 1 10	14 14 5	140,755 2 5	41,710 0 4	..	271,939 12 8
Grand Totals	103,844 9 5	126,882 0 3	9,612 7 4	8,294 0 0	733 1 10	14 14 5	145,536 3 10	41,710 0 4	..	271,939 12 8
										770 3 10

The Districts set out hereunder are those whose works will not produce sufficient revenue to cover the expense of 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 8th November, 1943, 18th December, 1944, and 26th February, 1946, respectively, under the provisions of Section 6, *Water Act* 1937, No. 4513.)

IRRIGATION AND WATER SUPPLY DISTRICTS.

CASH ACCOUNT.

STATEMENT of Moneys received and disbursed from 1st May, 1906, to 30th June, 1954; also of Depreciation charged for Financial Year 1953-54. (State Works of Water Supply excluded).

District.	Receipts.			Expenditure.					Excess Receipts over Expenditure 1953-54.	Surplus Credited to District Account at 30th June, 1954.	Accumulated.	
	Receipts Year Ended 30th June, 1954.		Total 1906 to 30th June, 1954.	Year Ended 30th June, 1954.			Total.	£ s. d.			£ s. d.	£ s. d.
	£ s. d.	£ s. d.		£ s. d.	£ s. s.	£ s. d.						
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	
1. Bacchus Marsh ..	10,866 11 2	236,218 14 1	9,508 0 7	274 0 0	9,782 0 7	275,479 10 7	..	1,084 10 7	..	18,090 8 3	21,170 8 3	
2. Boort ..	14,618 14 3	228,602 6 0	19,482 3 0	1,008 0 0	20,490 3 0	293,463 11 10	5,871 8 9	..	..	63,240 10 7	1,620 15 3
3. Calivil ..	8,583 18 8	108,396 16 9	8,125 5 11	352 0 0	8,477 5 11	118,429 3 11	..	106 12 9	9,903 2 0	..	19,935 9 2	
4. Campaspe ..	1,216 2 7	37,604 17 8	1,302 19 4	210 0 0	1,512 19 4	45,158 7 4	296 16 9	..	..	3,858 2 10	3,695 6 10
5. Central Gippsland ..	6,442 14 5	9,397 16 5	4,255 3 8	..	4,255 3 8	6,106 1 0	..	2,187 10 9	3,291 15 5	..	..
6. Cohuna ..	55,500 11 4	923,916 9 5	54,366 2 6	2,311 0 0	56,677 2 6	947,644 14 0	1,176 11 2	..	..	8,583 3 9	15,145 0 10
7. Deakin ..	10,352 13 11	241,058 13 5	12,182 6 3	720 0 0	12,902 6 3	252,882 16 3	2,549 12 4	..	..	9,568 18 1	2,255 4 9
8. Dingee ..	6,328 8 4	86,403 11 7	5,741 2 7	106 0 0	5,847 2 7	90,861 4 3	..	481 5 9	308 18 9	..	4,766 11 5	
9. Katandra ..	11,795 7 11	97,318 2 2	9,917 10 5	161 0 0	10,078 10 5	123,471 10 2	..	1,716 17 6	1,704 12 1	..	27,858 0 1	
10. Kerang ..	25,760 1 3	381,787 0 10	25,812 14 6	1,079 0 0	26,891 14 6	406,604 18 1	1,131 13 3	..	..	21,111 11 1	3,766 6 2
11. Koondrook ..	26,557 14 2	472,388 6 10	27,608 19 4	1,615 0 0	29,223 19 4	553,320 1 1	2,666 5 2	..	..	28,540 4 7	52,391 9 8
12. Maffra-Sale ..	42,089 19 0	493,737 10 7	50,896 17 3	1,671 0 0	52,567 17 3	594,707 19 1	10,477 18 3	..	..	97,257 7 1	3,713 1 5
13. Murray Valley ..	89,613 18 9	386,003 7 2	75,225 18 11	1,384 0 0	76,609 18 11	364,839 14 5	..	13,003 19 10	21,163 12 9	..	..
14. Mystic Park ..	2,412 11 4	38,192 6 1	3,907 3 9	69 0 0	3,976 3 9	59,480 2 11	1,563 12 5	..	..	19,175 0 2	2,112 16 8
15. North Shepparton ..	16,041 10 8	208,282 1 9	17,035 12 7	430 0 0	17,465 12 7	280,042 3 9	1,424 1 11	..	..	9,000 0 0	42,760 2 0
16. Robinvale ..	22,536 10 5	80,576 15 3	40,114 19 10	6,035 0 0	46,149 19 10	176,285 4 8	23,613 9 5	..	..	95,708 9 5	..
17. Rochester ..	64,771 15 10	1,013,788 19 2	66,607 13 10	1,449 0 0	68,056 13 10	1,068,764 9 2	3,284 18 0	..	..	19,812 13 6	35,162 16 6
18. Rodney ..	76,060 11 8	1,381,584 15 5	76,972 17 4	6,283 0 0	83,255 17 4	1,540,435 9 2	7,195 5 8	..	..	72,690 18 2	86,159 15 7
19. Shepparton ..	25,638 2 0	401,012 11 1	30,175 0 1	699 0 0	30,874 0 1	496,835 2 10	5,235 18 1	..	..	34,910 0 0	60,932 11 9
20. South Shepparton ..	5,965 19 1	77,849 18 4	5,997 6 8	199 0 0	6,196 6 8	88,423 4 11	230 7 7	..	..	7,837 9 10	2,735 16 9
21. Swan Hill ..	31,861 1 9	460,940 13 11	34,785 17 2	1,447 0 0	36,232 17 2	537,251 3 9	4,371 15 5	..	..	70,073 19 4	6,236 10 6
22. Third Lake ..	2,565 19 3	33,115 3 6	3,083 8 4	112 0 0	3,195 8 4	41,793 4 3	629 9 1	..	..	6,238 18 7	2,439 2 2
23. Tongala-Stanhope ..	58,450 1 7	763,301 13 11	60,782 15 11	1,205 0 0	61,987 15 11	897,938 5 11	3,537 14 4	..	..	61,013 13 10	73,622 18 2
24. Tragowel Plains ..	32,637 9 10	653,002 7 2	33,406 7 2	1,979 0 0	35,385 7 2	749,282 9 9	2,747 17 4	..	..	53,439 15 11	42,840 6 8
25. Werribee ..	16,339 11 0	288,739 0 2	28,665 10 1	506 0 0	29,171 10 1	336,018 7 3	12,831 19 1	..	..	31,803 16 10	15,475 10 3
Totals	665,008 0 2	9,103,219 18 8	705,959 17 0	31,304 0 0	737,263 17 0	10,325,579 0 4	90,836 14 0	18,580 17 2	36,372 1 0	731,955 1 10	526,776 0 10	

IRRIGATION AND WATER SUPPLY DISTRICTS—continued.

CASH ACCOUNT—continued.
STATEMENT of Moneys received and disbursed from 1st May, 1906, to 30th June, 1954 ; also of Depreciation charged for Financial Year 1953-54 (State Works of Water Supply excluded)—continued.

District.	Receipts.			Expenditure.						Accumulated.																							
	Receipts Year Ended 30th June, 1954.	Total 1906 to 30th June, 1954.		Year Ended 30th June, 1954.				Total 1906 to 30th June, 1954.	Excess Expenditure Receipts 1953-54.	Excess Receipts over Expenditure 1953-54.	Surplus Credited to District Account at 30th June, 1954.	Deficiency Chargeable to District Account at 30th June, 1954.	Deficiency Chargeable to State Account at 30th June, 1954.																				
		Operating Costs.	Depreciation.	Total.																													
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.																						
	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.																		
26. Fish Point	2,458	12	9	25,160	3	3	2,981	13	3	43	0	0	3,024	13	3	30,829	9	11	566	0	6	..	..	654	5	10	14,015	0	10		
27. Nyah	22,448	17	0	356,928	7	8	25,308	6	9	1,690	0	0	26,998	6	9	436,345	13	0	4,549	9	9	..	..	11,264	15	0	68,152	10	4		
28. Red Cliffs-Merbein	220,570	7	5	2,738,468	11	0	234,243	15	6	14,355	0	0	248,598	15	6	3,125,182	18	10	28,028	8	1	..	..	47,179	16	2	339,534	11	8		
29. Tresco	10,926	16	7	98,798	7	6	13,860	14	6	550	0	0	14,410	14	6	233,247	11	6	3,483	17	11	..	..	46	8	9	134,402	15	3		
Totals	256,404	13	9	3,219,355	9	5	276,394	10	0	16,638	0	0	293,032	10	0	3,834,605	13	3	36,627	16	3	..	..	59,145	5	9	556,104	18	1		
Grand Totals	921,412	13	11	12,322,575	8	1	982,354	7	0	47,942	0	0	1,030,296	7	0	14,160,184	13	7	127,464	10	3	18,580	17	2	36,372	1	0	791,100	7	7	1,082,880	18	11

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 16th November, 1942, under the provisions of Section 6, *Water Act* 1937, No. 4513.)

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 10th November, 1942, under the provisions of Section 6, *Water Act 1937*, No. 4513.)

IRRIGATION AND WATER SUPPLY DISTRICTS.

PROFIT AND LOSS ACCOUNT FOR YEAR 1953-54.

STATEMENT of Revenue Assessment (inclusive of Rate, Charge, Water Sales, Interest, Miscellaneous and Credits for Urban Water), and Expenditure and Depreciation Charged and Amounts Written Off.

District.	Revenue Assessment.				Expenditure.				Profit and Loss.																	
	(A) General Rate. (B) Drainage Rate.		(A) Irrigation Charge. (B) Sales and Miscellaneous.		Total Revenue Assessments.		(A) Operating Costs. (B) Depreciation.		Amounts Written Off.		Total.		(Dr.) Excess Expenditure over Assessment. (Cr.) Excess Assessment over Expenditure.		Revenue Due for Previous Years Written Off.		Adjustments to Revenue prior to 1933-54. (A) Loss. (B) Gain.		Interest and Other Losses Prior to 30th June, 1938, Borne by State (Act No. 5017).		Loss since 30th June, 1938.		Gain as at 30th June, 1954.			
	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.
1. Bacchus Marsh	(A)	850 11 6	{ (A) 6,603 0 0 (B) 4,266 7 2 }	11,719 18 8	{ (A) 9,508 0 7 (B) 274 0 0 }	9,787 4 7	(Cr.)	1,932 14 1	5 7 5	..	21,170 8 3	16,467 4 0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2. Boort	(A)	1,471 12 0	{ (A) 8,501 5 0 (B) 5,050 5 9 }	15,023 2 9	{ (A) 19,482 3 0 (B) 1,008 0 0 }	20,499 18 0	(Dr.)	5,476 15 3	..	..	1,620 15 3	61,669 5 4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3. Calivil	(A)	898 4 0	{ (A) 4,878 15 0 (B) 3,894 2 7 }	9,671 1 7	{ (A) 8,125 5 11 (B) 352 0 0 }	8,477 14 5	(Cr.)	1,193 7 2	..	..	19,935 9 2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4. Campaspe	(A)	658 17 0	{ (A) 616 3 1 (B) 210 0 0 }	1,275 0 1	{ (A) 1,302 19 4 (B) 210 0 0 }	1,512 19 4	(Dr.)	237 19 3	..	..	3,695 6 10	3,637 17 6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5. Central Gippsland	(A)	1,420 17 0	{ (A) 3,680 7 6 (B) 5,395 0 6 }	10,446 5 0	{ (A) 4,255 3 8 (B) 54,366 2 6 }	7,555 12 8	(Cr.)	2,890 12 4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6. Cohuna	{ (A) 3,778 7 5 (B) 4,873 8 0 }		{ (A) 36,909 0 0 (B) 13,905 14 6 }	59,526 9 11	{ (A) 2,311 0 0 (B) 12,142 13 6 }	56,742 13 4	(Cr.)	2,783 16 7	67 4 9	..	15,145 0 10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
7. Deakin	{ (A) 3,462 1 3 (B) 312 14 6 }		{ (A) 4,273 10 0 (B) 2,128 10 10 }	10,176 16 7	{ (A) 720 0 0 (B) 5,741 2 7 }	12,878 18 6	(Dr.)	2,702 1 11	28 18 8	(A)	39 12 9	2,255 4 9	8,130 12 10	..	..	..	..	..	..	..	..	..	..	..	..	..
8. Dingee	{ (A) 765 5 0 (B) 1,195 15 6 }		{ (A) 3,335 5 0 (B) 1,124 0 2 }	6,420 5 8	{ (A) 1,06 0 0 (B) 9,917 10 5 }	5,847 2 7	(Cr.)	573 3 1	..	..	4,766 11 5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
9. Katandra	{ (A) 1,864 19 0 (B) 2,899 3 0 }		{ (A) 5,501 5 0 (B) 1,381 0 2 }	11,446 7 2	{ (A) 161 0 0 (B) 25,812 14 6 }	10,078 10 5	(Cr.)	1,367 16 9	..	..	27,858 0 1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10. Kerang	{ (A) 1,601 10 3 (B) 1,109 6 6 }		{ (A) 16,086 7 6 (B) 8,694 15 5 }	27,491 19 8	{ (A) 1,079 0 0 (B) 27,608 19 4 }	26,891 14 6	(Cr.)	600 5 2	7 15 1	(B)	0 10 0	3,766 6 2	13,064 12 2	..	..	..	..	..	..	..	..	..	..	..	..	..
11. Koondrook	{ (A) 2,605 5 3 (B) 2,010 0 6 }		{ (A) 18,466 10 0 (B) 6,294 17 8 }	29,376 13 5	{ (A) 1,615 0 0 (B) 50,896 17 3 }	29,226 16 10	(Cr.)	149 16 7	..	..	52,391 9 8	21,711 6 7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
12. Maffra-Sale	{ (A) 4,502 14 0 (B) 3,831 6 0 }		{ (A) 28,264 10 0 (B) 8,454 9 3 }	45,152 19 3	{ (A) 56 0 0 (B) 75,225 18 11 }	52,623 17 3	(Dr.)	7,470 18 0	..	..	3,713 1 5	93,533 7 8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
13. Murray Valley	{ (A) 7,795 2 0 (B) 232 7 0 }		{ (A) 61,992 7 6 (B) 32,935 7 3 }	102,722 16 9	{ (A) 1,384 0 0 (B) 3,907 3 9 }	81,813 11 2	(Cr.)	20,909 5 7	19 13 11	(B)	14 2 11	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
14. Mystic Park	(A)	232 7 0	{ (A) 9,899 5 0 (B) 2,675 5 2 }	16,170 12 11	{ (A) 17,035 12 7 (B) 430 0 0 }	3,976 3 9	(Dr.)	1,464 9 8	..	..	2,112 16 8	18,384 1 9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
15. North Shepparton	{ (A) 886 7 6 (B) 943 4 2 }		{ (A) 28,237 10 0 (B) 20,976 17 7 }	50,157 11 9	{ (A) 40,114 19 10 (B) 6,035 0 4 }	70,305 7 10	(Dr.)	20,147 16 1	6 17 3	..	..	7,867 19 3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
16. Robinvale	(A)	5,141 13 9	{ (A) 43,099 10 6 (B) 19,524 9 6 }	70,379 1 3	{ (A) 66,807 3 4 (B) 1,449 0 0 }	68,056 3 4	(Cr.)	2,822 17 11	..	..	35,102 16 6	2,382 1 11	..	..	..	..	..	..	..	..	..	..	..	..	..	..
17. Rochester	{ (A) 2,613 8 0 (B) 8,746 10 0 }		{ (A) 45,684 0 0 (B) 22,728 14 8 }	79,594 2 2	{ (A) 76,972 17 4 (B) 6,283 0 0 }	83,284 12 4	(Dr.)	3,690 10 2	..	..	86,159 15 7	53,863 3 7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
18. Rodney	{ (A) 2,434 17 6 (B) 2,669 15 0 }		{ (A) 22,728 14 8 (B) 15,787 2 8 }	25,514 13 8	{ (A) 30,175 0 1 (B) 699 0 8 }	30,903 9 7	(Dr.)	5,388 15 11	..	..	60,912 11 9	34,139 9 9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
19. Shepparton	{ (A) 4,842 8 6 (B) 1,786 18 6 }		{ (A) 2,215 7 0 (B) 3,303 0 0 }	6,051 19 11	{ (A) 982 1 5 (B) 19,401 0 0 }	6,196 6 8	(Dr.)	144 6 9	..	..	2,735 16 9	7,568 19 0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
20. South Shepparton	{ (A) 3,058 16 0 (B) 1,931 4 0 }		{ (A) 9,161 18 10 (B) 1,884 15 0 }	33,552 18 10	{ (A) 1,447 0 0 (B) 3,083 8 4 }	36,236 5 2	(Dr.)	2,683 6 4	26 9 4	(B)	1 0 9	6,236 10 6	63,480 18 1	..	..	..	..	..	..	..	..	..	..	..	..	..
21. Swan Hill	(A)	123 16 6	{ (A) 527 19 3 (B) 36,013 0 0 }	2,536 10 9	{ (A) 112 0 0 (B) 60,822 19 2 }	3,195 8 4	(Dr.)	658 17 7	..	..	2,439 2 2	5,810 9 6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
22. Third Lake	{ (A) 3,410 5 0 (B) 5,421 5 5 }		{ (A) 36,013 0 0 (B) 13,008 2 0 }	57,862 12 5	{ (A) 49 6 9 (B) 73,622 18 2 }	62,178 3 6	(Dr.)	4,325 11 1	70 11 9	(B)	49 6 9	73,622 18 2	52,526 19 7	..	..	..	..	..	..	..	..	..	..	..	..	..
23. Tongala-Stanhope	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

IRRIGATION AND WATER SUPPLY DISTRICTS—continued.

PROFIT AND LOSS ACCOUNT FOR YEAR 1953-54—continued.

STATEMENT of Revenue Assessment (inclusive of Rate, Charge, Water Sales, Interest, Miscellaneous and Credits for Urban Water), and Expenditure and Depreciation Charged and Amounts Written Off—continued.

District.	Revenue Assessment.				Expenditure.		Profit and Loss.						Gains as at 30th June, 1954.	
	(A) General Rate. (B) Drainage Rate.		(A) Irrigation Charge. (B) Sales and Miscellaneous.		Total Revenue Assessments.	(A) Operating Costs. (B) Depreciation.	Amounts Written Off.	Total.	(Dr.) Excess Expenditure over Assessment. (C.) Excess Assessment over Expenditure.	Revenue Due for Previous Years Written Off.	Adjustments to Revenue for Years prior to 1953-54. (A) Loss. (B) Gain.	Interest and Other Losses Prior to 30th June, 1938, Borne by State (Act No. 5017).		Loss since 30th June, 1938.
	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.		£	s. d.
24. Tragowel Plains ..	{ (A) 2,932 12 0 } { (B) 272 8 0 }	{ (A) 23,410 10 0 } { (B) 10,107 9 1 }	{ (A) 23,410 10 0 } { (B) 10,107 9 1 }	{ (A) 23,410 10 0 } { (B) 10,107 9 1 }	36,722 19 1	{ (A) 33,406 7 2 } { (B) 1,979 0 0 }	73 15 0	35,459 2 2	(Dr.) 1,263 16 11	9 2 2	..	42,840 6 8	44,666 9 11	..
25. Werribee ..	{ (A) 1,760 3 0 } { (B) 1,026 16 4 }	{ (A) 10,183 15 0 } { (B) 3,928 1 4 }	{ (A) 10,183 15 0 } { (B) 3,928 1 4 }	{ (A) 10,183 15 0 } { (B) 3,928 1 4 }	16,898 15 8	{ (A) 28,665 10 1 } { (B) 506 0 0 }	..	29,171 10 1	(Dr.) 12,272 14 5	..	(B) 106 17 4	15,475 10 3	29,784 14 4	..
Totals ..	{ (A) 64,991 1 10 } { (B) 35,760 9 3 }	{ (A) 437,471 0 0 } { (B) 200,170 17 11 }	{ (A) 437,471 0 0 } { (B) 200,170 17 11 }	{ (A) 437,471 0 0 } { (B) 200,170 17 11 }	738,393 9 0	{ (A) 705,959 17 0 } { (B) 31,304 0 0 }	33,106 18 5	770,370 15 5	{ (Dr.) 67,964 18 7 } { (Cr.) 35,987 12 2 }	242 0 4	{ (A) 40 19 6 } { (B) 172 1 3 }	526,776 0 10	629,933 13 0	63,681 5 5
The Districts set out hereunder are those whose works will not produce sufficient revenue to cover 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 16th November, 1942, under Section 6, <i>Water Act</i> 1937, No. 4513.)														
26. Fish Point ..	{ (A) 189 13 0 } { (B) 593 14 10 }	{ (A) 1,383 7 6 } { (B) 593 14 10 }	{ (A) 1,383 7 6 } { (B) 593 14 10 }	{ (A) 1,383 7 6 } { (B) 593 14 10 }	2,166 15 4	{ (A) 2,981 13 3 } { (B) 43 0 0 }	..	3,024 13 3	(Dr.) 857 17 11	..	..	2,479 7 4	11,635 5 4	..
27. Nyah ..	{ (A) 339 19 0 } { (B) 727 13 1 }	{ (A) 21,547 10 0 } { (B) 1,612 1 0 }	{ (A) 21,547 10 0 } { (B) 1,612 1 0 }	{ (A) 21,547 10 0 } { (B) 1,612 1 0 }	24,227 3 1	{ (A) 25,308 6 9 } { (B) 1,690 0 0 }	..	26,998 6 9	(Dr.) 2,771 3 8	..	(B) 0 7 3	30,297 7 11	43,260 12 6	..
28. Red Cliffs-Mcbein ..	{ (A) 5,606 13 1 } { (B) 14,379 12 1 }	{ (A) 173,439 0 0 } { (B) 27,061 3 2 }	{ (A) 173,439 0 0 } { (B) 27,061 3 2 }	{ (A) 173,439 0 0 } { (B) 27,061 3 2 }	220,485 8 4	{ (A) 234,243 15 6 } { (B) 14,355 0 0 }	29 6 0	248,628 1 6	(Dr.) 28,142 13 2	..	(B) 73 16 4	47,614 2 7	332,943 11 10	..
29. Tresco ..	{ (A) 1,687 10 0 } { (B) 9,631 11 0 }	{ (A) 173,439 0 0 } { (B) 27,061 3 2 }	{ (A) 173,439 0 0 } { (B) 27,061 3 2 }	{ (A) 173,439 0 0 } { (B) 27,061 3 2 }	11,319 1 0	{ (A) 13,860 14 6 } { (B) 550 0 0 }	14 5 0	14,424 19 6	(Dr.) 3,105 18 6	..	..	65,026 4 5	68,839 17 9	..
Totals ..	{ (A) 7,822 15 1 } { (B) 15,107 5 2 }	{ (A) 196,369 17 6 } { (B) 38,898 10 0 }	{ (A) 196,369 17 6 } { (B) 38,898 10 0 }	{ (A) 196,369 17 6 } { (B) 38,898 10 0 }	258,198 7 9	{ (A) 276,394 10 0 } { (B) 16,638 0 0 }	43 11 0	293,076 1 0	(Dr.) 34,877 13 3	..	(B) 74 3 7	145,417 2 3	456,679 7 5	..
GRAND TOTALS	{ (A) 72,813 16 11 } { (B) 50,867 14 5 }	{ (A) 633,840 17 6 } { (B) 239,069 7 11 }	{ (A) 633,840 17 6 } { (B) 239,069 7 11 }	{ (A) 633,840 17 6 } { (B) 239,069 7 11 }	996,591 16 9	{ (A) 982,354 7 0 } { (B) 47,942 0 0 }	33,150 9 5	1,063,446 16 5	{ (Dr.) 102,812 11 10 } { (Cr.) 35,987 12 2 }	242 0 4	{ (A) 40 19 6 } { (B) 246 4 10 }	672,193 3 1	1,086,613 0 5	63,681 5 5

URBAN DIVISIONS.

CASH ACCOUNT.

STATEMENT of Moneys received and disbursed from 1st May, 1906, to 30th June, 1954; also of Interest charged at the rates of 3·279 per cent. on Capital Debts as at 30th June, 1943, and 3 per cent. on Capital Debts subsequent to 30th June, 1943, and of Redemption and Depreciation Charged for Financial Year 1953-54.

Division.	Receipts.		Expenditure.						Accumulated.				
	Year Ended 30th June, 1954.		Year Ended 30th June, 1954.						Excess Expenditure Over Receipts 1953-54.	Excess Receipts Over Expenditure 1953-54.	Surplus Credited to District Account at 30th June, 1954.	Deficiency Chargeable to District Account at 30th June, 1954.	Deficiency Chargeable to State Account at 30th June, 1954.
	Receipts, Year Ended 30th June, 1954.	Total 1906 to 30th June, 1954.	Total.										
			Operating Costs.	Interest.	Depreciation.	Redemption.	Total.						
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.
	£ 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. Cohuna	2,643 13 7	43,085 8 7	1,960 0 9	103 12 6	99 0 0	33 10 8	2,196 3 11	42,806 9 3	..	452 9 8	278 19 4	..	..
2. Lockington	596 11 0	9,210 11 5	251 11 1	3 17 6	61 0 0	0 7 9	316 16 4	8,297 5 9	..	279 14 8	913 5 8	..	..
3. Macorna	183 6 8	901 3 5	163 4 8	..	26 0 0	..	189 4 8	1,234 8 6	5 18 0	..	..	333 5 1	..
4. Red Cliffs	5,498 1 1	67,238 13 9	4,867 19 3	52 11 11	193 0 0	37 5 4	5,150 16 6	70,148 9 1	..	347 4 7	..	2,909 15 4	..
5. Robinvale	1,593 10 10	4,024 7 6	598 15 1	..	161 0 0	..	759 15 1	3,379 11 10	..	833 15 9	644 15 8	..	..
6. Tallygaroopna	304 7 5	1,095 12 0	167 7 3	..	47 6 3	..	214 13 6	818 7 9	..	89 13 11	277 4 3	..	..
Totals	10,824 10 7	125,555 16 8	8,008 18 1	160 1 11	587 6 3	71 3 9	8,827 10 0	126,684 12 2	5 18 0	2,002 18 7	2,114 4 11	3,243 0 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 Orders in Council, dated 30th July, 1938, and 18th December, 1944, under the provisions of Section 6, <i>Water Act</i> 1937, No. 4513.)													
7. Corop	51 2 6	1,221 7 4	39 7 10	..	6 0 0	..	45 7 10	1,327 8 3	..	5 14 8	..	..	106 0 11
8. Dingee	111 2 6	2,616 9 9	270 9 6	..	14 0 0	..	284 9 6	3,247 11 0	173 7 0	..	..	152 13 10	478 7 5
9. Heyfield	2,940 18 1	20,043 2 5	1,785 15 1	..	115 0 0	..	1,900 15 1	18,986 17 7	..	1,040 3 0	1,217 4 0	..	160 19 2
10. Leitchville	994 4 7	12,597 2 4	827 0 11	..	45 0 0	..	872 0 11	12,986 12 1	..	122 3 8	..	..	389 9 9
11. Murrabit	99 9 8	1,843 7 10	392 16 3	..	33 0 0	..	425 16 3	3,772 10 8	326 6 7	..	..	30 16 2	1,898 6 8
12. Stanhope	451 18 4	7,315 16 6	358 8 11	..	35 0 0	..	393 8 11	6,854 19 4	..	58 9 5	460 17 2	..	..
Totals	4,648 15 8	45,637 6 2	3,673 18 6	..	248 0 0	..	3,021 18 6	47,175 18 11	490 13 7	1,226 10 9	1,678 1 2	183 10 0	3,033 3 11
Grand Totals	15,473 6 3	171,193 2 10	11,682 16 7	160 1 11	835 6 3	71 3 9	12,749 8 6	173,860 11 1	505 11 7	3,229 9 4	3,792 6 1	3,426 10 5	3,033 3 11

URBAN DIVISIONS.

PROFIT AND LOSS ACCOUNT FOR FINANCIAL YEAR 1953-54.

STATEMENT of Revenue Assessment (inclusive of Rate, Water Sales, Interest, and Miscellaneous), and Expenditure (inclusive of Debits for Urban Water), Interest, Depreciation, and Redemption charged, and Amounts Written Off.

Division.	Expenditure.													Profit and Loss.				
	Revenue Assessment.	Operating Costs.	Interest.		Depreciation.	Redemption.	Amounts Written Off.		Total.	Excess— (Dr.) Expenditure, (Cr.) Assessment for Year.	Revenue Due for Previous Years Written Off.	Adjustments to Revenue Prior to 1953-54. (A) Loss, (B) Gain.	Interest and Other Losses Prior to 30th June, 1938, Borne by State. (Act No. 5017.)	Loss since 30th June, 1938.	Gain as at 30th June, 1954.			
			£	s. d.			£	s. d.								£	s. d.	£
1. Cohuna ..	£ s. d. 2,028 6 11	£ s. d. 1,960 0 9	£ s. d. 103 12 6	£ s. d. 99 0 0	£ s. d. 8 7 8	£ s. d. ..	£ s. d. 2,171 0 11	£ s. d. (Cr.) 457 6 0	£ s. d. 3 9 9	£ s. d. ..	(B) 1 3 9	£ s. d. ..	£ s. d. ..	£ s. d. 482 18 3				
2. Lockington ..	£ s. d. 539 16 8	£ s. d. 251 11 1	£ s. d. 3 17 6	£ s. d. 61 0 0	£ s. d. 0 7 9	£ s. d. ..	£ s. d. 316 16 4	£ s. d. (Cr.) 223 0 4	£ s. d. ..	£ s. d. ..	(B) 1 3 9	£ s. d. ..	£ s. d. ..	£ s. d. 958 9 6				
3. Macorna ..	£ s. d. 183 10 9	£ s. d. 163 4 8	£ s. d. ..	£ s. d. 26 0 0	£ s. d. ..	£ s. d. ..	£ s. d. 189 4 8	£ s. d. (Dr.) 5 13 11	£ s. d. ..	£ s. d. ..	£ s. d. ..	£ s. d. ..	£ s. d. 333 1 0	£ s. d. ..				
4. Red Cliffs ..	£ s. d. 5,347 5 1	£ s. d. 4,867 19 3	£ s. d. 52 11 11	£ s. d. 193 0 0	£ s. d. 4 13 2	£ s. d. 2 15 0	£ s. d. 5,120 19 4	£ s. d. (Cr.) 226 5 9	£ s. d. ..	£ s. d. ..	(B) 0 5 2	£ s. d. ..	£ s. d. 2,506 1 10	£ s. d. ..				
5. Robinvale ..	£ s. d. 1,180 4 1	£ s. d. 598 15 1	£ s. d. ..	£ s. d. 161 0 0	£ s. d. ..	£ s. d. ..	£ s. d. 759 15 1	£ s. d. (Cr.) 420 9 0	£ s. d. ..	£ s. d. ..	(B) 5 13 2	£ s. d. ..	£ s. d. ..	£ s. d. 751 9 5				
6. Tallygaroopna ..	£ s. d. 308 4 6	£ s. d. 167 7 3	£ s. d. ..	£ s. d. 47 6 3	£ s. d. ..	£ s. d. ..	£ s. d. 214 13 6	£ s. d. (Cr.) 93 11 0	£ s. d. ..	£ s. d. ..	£ s. d. ..	£ s. d. ..	£ s. d. ..	£ s. d. 292 8 3				
Totals ..	£ s. d. 10,187 8 0	£ s. d. 8,008 18 1	£ s. d. 160 1 11	£ s. d. 587 6 3	£ s. d. 13 8 7	£ s. d. 2 15 0	£ s. d. 8,772 9 10	£ s. d. (Dr.) 5 13 11 (Cr.) 1,420 12 1	£ s. d. 3 9 9	£ s. d. (B) 7 2 1	£ s. d. ..	£ s. d. ..	£ s. d. 2,839 2 10	£ s. d. 2,485 5 5				
The Divisions set out hereunder are those whose works will not produce sufficient revenue to cover the expense of 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 Orders in Council, dated 30th July, 1938, and 18th December, 1944, under the provisions of Section 6, <i>Water Act</i> 1937, No. 4513.)																		
7. Corop ..	£ s. d. 50 18 2	£ s. d. 39 7 10	£ s. d. ..	£ s. d. 6 0 0	£ s. d. ..	£ s. d. 0 10 8	£ s. d. 45 18 6	£ s. d. (Cr.) 4 19 8	£ s. d. 1 2 7	£ s. d. (B) 4 0 0	£ s. d. 62 8 1	£ s. d. ..	£ s. d. ..	£ s. d. 7 4 10				
8. Dingee ..	£ s. d. 116 5 9	£ s. d. 270 9 6	£ s. d. ..	£ s. d. 14 0 0	£ s. d. ..	£ s. d. ..	£ s. d. 284 9 6	£ s. d. (Dr.) 168 3 9	£ s. d. ..	£ s. d. ..	£ s. d. 93 10 6	£ s. d. 582 7 6	£ s. d. ..	£ s. d. ..				
9. Heyfield ..	£ s. d. 3,046 8 4	£ s. d. 1,785 15 1	£ s. d. ..	£ s. d. 115 0 0	£ s. d. ..	£ s. d. 6 0 0	£ s. d. 1,906 15 1	£ s. d. (Cr.) 1,139 13 3	£ s. d. 0 19 7	£ s. d. ..	£ s. d. 160 19 2	£ s. d. ..	£ s. d. 1,798 18 2	£ s. d. ..				
10. Leitchville ..	£ s. d. 994 13 8	£ s. d. 827 0 11	£ s. d. ..	£ s. d. 45 0 0	£ s. d. ..	£ s. d. ..	£ s. d. 872 0 11	£ s. d. (Cr.) 122 12 9	£ s. d. ..	£ s. d. ..	£ s. d. ..	£ s. d. 367 2 11	£ s. d. ..	£ s. d. ..				
11. Murrabit ..	£ s. d. 151 2 10	£ s. d. 392 16 3	£ s. d. ..	£ s. d. 33 0 0	£ s. d. ..	£ s. d. ..	£ s. d. 425 16 3	£ s. d. (Dr.) 274 13 5	£ s. d. ..	£ s. d. ..	£ s. d. 92 1 10	£ s. d. 1,724 7 0	£ s. d. ..	£ s. d. ..				
12. Stanhope ..	£ s. d. 445 7 11	£ s. d. 358 8 11	£ s. d. ..	£ s. d. 35 0 0	£ s. d. ..	£ s. d. ..	£ s. d. 393 8 11	£ s. d. (Cr.) 51 19 0	£ s. d. ..	£ s. d. (B) 7 0 0	£ s. d. ..	£ s. d. ..	£ s. d. 513 14 9	£ s. d. ..				
Totals ..	£ s. d. 4,804 16 8	£ s. d. 3,673 18 6	£ s. d. ..	£ s. d. 248 0 0	£ s. d. ..	£ s. d. 6 10 8	£ s. d. 3,928 9 2	£ s. d. (Dr.) 442 17 2 (Cr.) 1,319 4 8	£ s. d. 2 2 2	£ s. d. (B) 11 0 0	£ s. d. 408 19 7	£ s. d. 2,623 17 5	£ s. d. 2,319 17 9	£ s. d. ..				
GRAND TOTALS ..	£ s. d. 14,992 4 8	£ s. d. 11,682 16 7	£ s. d. 160 1 11	£ s. d. 835 6 3	£ s. d. 13 8 7	£ s. d. 9 5 8	£ s. d. 12,700 19 0	£ s. d. (Dr.) 448 11 1 (Cr.) 2,739 16 9	£ s. d. 5 11 11	£ s. d. (B) 18 2 1	£ s. d. 408 19 7	£ s. d. 5,463 0 3	£ s. d. 4,805 3 2	£ s. d. ..				

WATERWORKS DISTRICTS.

CASH ACCOUNT.

STATEMENT of Moneys received and disbursed from 1st May, 1906, to 30th June, 1954; also of Interest charged at the rate of 3·279 per cent. on Capital Debts, as at 30th June, 1943, and 3 per cent. on Capital Debts subsequent to 30th June, 1954, and of Redemption and Depreciation charged for Financial Year 1953-54. (State Works of Water Supply excluded.)

District.	Receipts.			Expenditure.						Excess			Excess			Accumulated.		
	Receipts Year ended 30th June, 1954.			Year ended 30th June, 1954.						Receipts over 1953-54.			Receipts over 1953-54.			Receipts over 1953-54.		
	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.
1.	2.	3.	4.	5.	6.	7.	8.	Total 1954.			10.	11.	12.	13.	14.			
1. Bellarine Peninsula	19,355	18	2	188,819	8	9	2,725	2	3	1,239	0	0	33,162	4	4	247,454	5	10
2. East Loddon	2,204	8	0	10,039	14	9	1,941	8	9	3	0	0	1,944	8	9	9,146	14	5
3. Loddon	1,714	7	5	9,557	3	5	1,674	1	8	4	0	0	1,674	1	8	12,353	12	2
4. Mornington Peninsula	20,494	9	8	236,188	11	0	7,137	1	8	1,192	0	0	18,268	5	10	187,400	16	2
5. Newstead	22	0	0	451	15	0	..	..	..	..	..	..	..	..	..	101	10	0
6. Normanville	8,150	8	1	50,681	5	7	8,322	11	3	267	0	0	8,589	11	3	59,955	12	8
7. Otway	17,678	14	8	152,511	13	4	8,407	16	8	2,026	0	0	13,592	0	5	149,251	8	1
8. Werribee	590	10	6	21,745	8	2	652	6	3	22	0	0	674	6	3	23,492	2	3
9. Western Wimmera	37,851	15	4	702,713	17	2	43,766	17	4	801	0	0	44,567	17	4	793,024	4	3
10. West Loddon	3,775	3	3	17,310	14	6	..	..	..	11	0	0	4,405	3	11	21,684	18	1
11. Wimmera United	34,507	18	5	733,415	5	0	..	..	..	432	0	0	28,606	12	3	727,572	11	1
12. Wychitella	6,742	19	7	28,600	4	11	..	..	..	67	0	0	7,874	16	2	53,411	11	9
Totals	153,088	13	1	2,152,035	1	7	12,788	4	2	6,064	0	0	163,359	8	2	2,284,349	6	9
The districts set out hereunder are those whose works will not produce sufficient revenue to cover the expense of 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, 21st October, 1941, and 25th November, 1952, under the provisions of Section 6, <i>Water Act</i> 1937, No. 4513.)																		
13. Birchlip	8,028	15	11	196,650	8	6	..	..	..	63	0	0	11,394	9	7	248,185	4	0
14. Hindmarsh	1,279	19	4	31,326	2	9	..	..	..	152	0	0	1,493	8	2	33,342	14	7
15. Karkaroo	26,962	7	5	542,556	3	6	..	..	..	80	0	0	34,253	1	5	713,162	18	8
16. Kerang - North-West Lakes	511	15	5	7,842	18	1	..	..	..	4	0	0	706	9	3	10,688	12	11
17. Long Lake	14,360	12	8	400,072	0	0	..	..	..	246	0	0	31,799	10	7	580,047	5	0
18. Milawa	9,972	0	9	205,794	8	1	..	..	..	4,750	0	0	79,988	1	7	1,149,492	18	0
19. Ouyen	13,390	0	2	166,431	12	9	..	..	..	286	0	0	55,328	10	5	615,218	19	3
20. Sea Lake	12,853	8	2	363,144	4	2	..	..	..	95	0	0	19,904	8	3	471,645	8	0
21. Tyntynder	13,149	13	8	226,685	3	0	..	..	..	146	0	0	30,444	17	11	508,569	19	6
22. Tyntynder North	8,442	3	7	97,884	7	7	..	..	..	182	0	0	14,138	10	1	289,662	1	4
23. Tyrell	12,732	18	10	312,413	18	5	..	..	..	132	0	0	15,893	11	11	644,818	5	6
24. Tyrell West	6,242	17	6	95,059	3	6	..	..	..	79	0	0	18,451	4	5	330,585	19	11
25. Upper Western Wimmera	10,842	2	7	188,494	13	2	..	..	..	48	0	0	9,294	4	2	193,943	4	3
26. Upper Wimmera United	14,370	17	5	295,094	13	8	..	..	..	89	0	0	14,449	4	0	314,833	9	7
27. Walpeup West	3,761	0	1	75,742	11	5	..	..	..	278	0	0	5,138	1	5	85,747	11	6
28. Wycheproof	15,537	5	0	325,320	11	4	..	..	..	111	0	0	19,559	0	6	396,727	10	6
Totals	172,377	18	6	3,531,112	19	11	..	..	..	6,741	0	0	362,236	13	8	6,586,672	2	6
GRAND TOTALS	325,466	11	7	5,083,148	1	6	12,788	4	2	12,805	0	0	525,596	1	10	8,871,521	9	3

The districts set out hereunder are those whose works will not produce sufficient revenue to cover the expense of 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, 21st October, 1941, and 25th November, 1952, under the provisions of Section 6, *Water Act* 1937, No. 4513.)

URBAN DISTRICTS.

CASH ACCOUNT.

STATEMENT of Moneys received and disbursed from 1st May, 1906, to 30th June, 1954; also of Interest charged at the rate of 3·279 per cent. on Capital Debits as at 30th June, 1943, and 3 per cent. on Capital Debits subsequent to 30th June, 1943, and of Redemption and Depreciation charged for Financial Year 1953-54. (State Works of Water Supply excluded.)

District.	Receipts.			Expenditure.						Accumulated.				
	Total 1906 to 30th June, 1954.			Year ended 30th June, 1954.						Excess Expenditure over Receipts, 1953-54.	Excess Receipts over Expenditure, 1953-54.	Surplus Credited to District Account at 30th June, 1954.	Deficiency Chargeable to District Account at 30th June, 1954.	Deficiency Chargeable to State Account at 30th June, 1954.
	Year ended 30th June, 1954.			Total.										
	£	s.	d.	Operating Costs.	Interest.	Depreciation.	Redemption.	Total.						
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	
1. Allansford ..	483 6 4	3,357 19 0	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
2. Antwerp ..	84 17 2	1,798 12 3	401 9 7	26 1 8	23 0 0	2 1 11	452 13 2	3,110 6 6	..	30 13 2	247 12 6	..	..	..
3. Barwon Heads-Ocean Grove ..	5,786 11 7	49,683 1 0	3,753 12 2	8 5 6	2 0 0	0 13 6	76 3 11	1,743 16 6	..	8 13 3	54 15 9	..	..	..
4. Berriwillock ..	502 9 3	10,370 15 11	714 16 7	258 16 9	565 0 0	62 7 0	4,639 15 11	47,739 9 9	228 9 6	1,146 15 8	1,943 11 3	578 8 2	216 18 8	..
5. Birwick ..	1,931 17 1	31,166 15 0	1,361 3 11	0 2 2	16 0 0	..	2,215 7 4	29,146 6 0	283 10 3	..	2,020 9 0	..	..	..
6. Birregurra ..	1,027 18 7	4,564 10 3	892 1 6	590 3 5	264 0 0	..	1,001 1 6	5,292 8 2	392 17 0	26 17 1	..	727 17 11	..	..
7. Brim ..	355 14 11	8,551 9 5	706 14 11	10 17 0	31 0 0	..	748 11 11	8,992 13 8	..	..	..	441 4 3	..	..
8. Camperdown ..	8,455 7 9	88,139 1 6	5,386 13 8	1,770 15 3	690 0 0	382 9 6	8,229 18 5	88,285 3 9	..	225 9 4	..	146 2 3	..	..
9. Chelsea-Frankston ..	56,158 7 0	552,483 7 9	30,960 0 11	9,053 8 7	3,857 0 0	738 11 0	44,609 0 6	528,219 4 7	..	11,549 6 6	33,452 15 5	729 9 9	9,188 12 3	..
10. Cobden ..	2,704 10 8	25,652 8 9	1,979 14 2	414 19 2	171 0 0	12 11 4	2,664 5 4	26,381 18 6	..	40 5 4	..	..	..	..
11. Cranbourne ..	913 4 5	17,285 8 7	611 8 6	130 13 9	72 0 0	36 12 6	826 13 7	16,442 18 11	..	86 10 10	1,380 18 9	424 19 8	538 9 1	..
12. Culgoa ..	572 0 1	11,385 11 11	443 18 8	73 8 11	18 0 0	956 7 3	51,023 17 0	444,530 3 2	..	..	56,469 8 7	..	3,401 18 7	..
13. Dandenong-Springvale ..	51,023 17 0	497,397 13 2	26,117 12 8	20,264 17 1	3,685 0 0	33 6 3	2,973 0 10	86,468 1 0	..	203 13 7	391 15 10	..	..	..
14. Dimboola ..	3,176 14 5	86,859 16 10	2,370 5 11	414 8 8	155 0 0	..	23,952 11 10	133,408 8 7	..	5,893 18 6	36,974 1 7	..	..	..
15. Dromana-Portsea ..	29,846 10 4	170,382 10 2	13,217 19 5	7,989 8 5	2,078 0 0	667 4 0	1,325 5 8	37,207 10 10	80 19 6	..	..	452 11 5	..	..
16. Jeparit ..	1,244 6 2	36,754 19 5	1,100 18 0	185 7 8	39 0 0	..	1,184 1 9	15,544 18 3	983 11 2	..	..	..	..	..
17. Longwarry ..	500 10 7	18,381 16 6	557 5 9	474 16 0	152 0 0	..	311 7 1	8,652 5 8	1 13 11	..	318 19 8	..	..	..
18. Maroo ..	309 13 2	8,971 5 4	234 12 9	43 14 4	33 0 0	..	3,875 18 3	59,843 7 4	..	..	2,895 18 3	..	..	..
19. Merbein ..	3,875 18 3	57,132 19 8	3,573 16 10	132 2 8	137 0 0	32 18 9	3,875 18 3	59,843 7 4	..	389 2 4	361 10 4	2,199 17 7	510 10 1	..
20. Minyip ..	1,869 18 10	37,018 18 10	1,299 11 9	98 3 1	75 0 0	8 1 8	1,480 16 6	36,657 8 6	..	3,918 3 10	12,502 7 7	..	..	..
21. Mornington ..	16,761 17 1	165,582 13 11	6,318 14 2	4,400 0 10	1,223 0 0	901 18 3	12,843 13 3	153,080 6 4	193 1 0	..	..	551 6 4	..	..
22. Nairn ..	673 12 0	21,505 16 0	683 12 0	133 1 0	50 0 0	..	866 13 0	22,057 2 4	..	..	5,675 16 7	..	..	..
23. Nairnuk ..	1,825 9 3	37,314 16 10	975 10 1	747 5 7	182 0 0	..	1,904 15 8	31,639 0 3	79 15 5	..	..	3 2 4	..	..
24. Pakenham ..	9 1 0	45 18 4	7 11 8	..	..	..	7 11 8	49 0 8	..	1 9 4	..	..	..	..
25. Pyramid Hill ..	916 8 5	17,185 6 6	691 9 8	41 11 8	39 0 0	3 9 0	775 10 4	16,163 4 9	..	140 18 1	1,022 1 9	..	..	..
26. Queenscliff-Point Lonsdale ..	6,615 19 5	87,893 8 6	6,656 10 9	524 16 8	1,120 0 0	..	8,301 7 5	98,985 8 5	1,855 8 0	..	..	11,091 19 11	..	..
27. Rainbow ..	1,393 15 4	44,780 14 8	863 10 6	244 11 4	48 0 0	25 0 10	1,181 2 8	41,199 19 3	..	212 12 8	3,580 15 5	..	..	..
28. Rupanyup ..	1,506 3 0	33,734 15 5	1,166 12 1	134 8 6	57 0 0	10 17 2	1,368 17 9	33,584 17 7	..	137 5 3	149 17 10	..	..	..
29. Somerville ..	809 12 8	12,079 17 9	401 0 10	150 4 4	81 0 0	80 14 0	712 19 2	11,618 6 2	..	96 13 6	461 11 7	..	..	..
30. South Frankston ..	7,746 2 3	77,105 4 5	2,876 6 0	1,435 18 10	528 0 0	116 17 1	4,957 1 11	68,773 8 5	293 14 1	2,789 0 4	8,331 16 0	..	..	..
31. Terang ..	5,177 9 10	56,729 2 2	3,963 8 10	905 15 1	542 0 0	..	5,411 3 11	56,790 13 6	458 16 9	..	..	61 11 4	..	..
32. Wathem ..	477 9 7	13,749 0 11	897 5 11	4 0 5	35 0 0	..	936 6 4	15,088 16 3	..	..	..	1,198 18 2	140 17 2	..
Totals ..	214,736 4 5	2,285,045 6 8	121,250 15 1	50,662 4 4	16,077 0 0	4,170 13 0	192,160 12 5	2,149,672 17 11	4,321 16 7	26,897 8 7	168,177 3 8	28,607 9 1	14,197 5 10	..

URBAN DISTRICTS

PROFIT AND LOSS ACCOUNT FOR FINANCIAL YEAR 1953-54.

STATEMENT of Revenue Assessment (inclusive of Rate, Water Sales, Interest, and Miscellaneous) and Expenditure (Inclusive of Debits for Urban Water), Interest, Depreciation, and Redemption charged and Amounts Written Off.

District.	Expenditure.						Profit and Loss.																																	
	Revenue Assessment.			Operating Costs.			Interest.		Depreciation.		Redemption.		Amounts Written Off.		Total.		Excess— (Dr.) Expenditure, (Cr.) Assessment for Year.		Revenue Due for Previous Years Written Off.		Adjustments to Revenue for Years prior to 1953-54. (A) Losses (B) Gains.		Interest and other Losses prior to 30th June, 1953, Borne by State. (Act No. 5017.)		Loss since 30th June, 1953.		Gains as at 30th June, 1954.													
	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.										
1. Allansford ..	507	12	11	401	9	7	26	1	8	23	0	0	2	1	11	452	13	2	54	19	9	48	1	11	216	18	8	509	3	8	299	9	10							
2. Antwerp ..	86	11	10	65	4	11	8	5	6	2	0	0	0	13	6	76	3	11	10	7	11	..	..	..	..	..	..	..	..	..	80	7	3
3. Barwon Heads-Ocean Grove ..	6,144	18	8	3,753	12	2	258	16	9	565	0	0	20	15	8	4,598	4	7	1,546	14	1	..	..	..	..	..	..	..	..	..	3,809	19	5
4. Berriwillock ..	548	7	10	714	16	7	0	2	2	16	0	0	0	1	5	731	0	2	182	12	4	..	..	..	..	..	..	..	..	..	2,211	8	9
5. Berwick ..	1,953	8	9	1,361	3	11	590	3	5	264	0	0	49	0	3	2,264	7	7	310	18	10	..	..	..	..	..	..	..	..	..	438	13	4
6. Birregurra ..	1,116	1	5	892	1	6	109	0	0	1,001	1	6	114	19	11	369	12	10						
7. Brim ..	358	16	10	706	14	11	10	17	0	31	0	0	0	18	7	7,991	10	6	390	13	8	..	..	..	..	..	..	..	..	..	..	..	..
8. Camperdown ..	8,402	15	3	5,386	13	8	1,770	15	3	690	0	0	140	2	8	4,911	2	11	411	12	4	..	..	..	..	..	..	..	..	..	283	3	2
9. Chelsea-Frankston ..	55,930	12	6	30,960	0	11	9,053	8	7	3,857	0	0	738	11	0	44,610	15	7	11,319	16	11	..	..	..	..	..	..	..	..	..	42,587	6	10
10. Cobden ..	2,660	9	11	1,979	14	2	414	19	2	171	0	0	32	17	6	2,598	10	8	61	19	3	..	..	..	..	..	..	..	..	497	0	3	
11. Cranbourne ..	905	9	1	611	8	6	130	13	9	72	0	0	10	18	6	825	0	9	80	8	4	..	..	..	..	..	..	..	..	..	1,443	4	9
12. Culgoa ..	560	3	2	443	18	8	73	8	11	18	0	0	5	15	2	541	2	9	19	0	5	..	..	..	..	..	..	..	..	..	..	..	..
13. Dandenong-Springvale ..	54,726	8	6	26,117	12	8	20,264	17	1	3,685	0	0	1,666	13	1	51,734	11	6	2,991	17	0	..	..	..	..	..	..	..	..	..	47	6	4
14. Dimboola ..	3,037	15	11	2,370	5	11	414	8	8	155	0	0	33	6	3	2,973	0	10	64	15	1	..	..	..	..	..	..	..	..	..	1,920	16	0
15. Dromana-Portsea ..	28,721	8	1	13,217	19	5	7,989	8	5	2,078	0	0	667	4	0	23,957	11	9	4,763	16	4	42,789	2	5						
16. Jeparit ..	1,133	0	7	1,100	18	0	185	7	8	39	0	0	14	17	0	1,340	2	8	207	2	1	..	..	..	..	..	..	..	..	95	19	5	
17. Longwarry ..	1,265	14	7	557	5	9	474	16	0	152	0	0	38	9	7	1,222	11	4	43	3	3	..	..	..	..	..	..	..	..	..	..	..	..
18. Marnoo ..	325	10	4	234	12	9	43	14	4	33	0	0	3	11	0	314	18	1	10	12	3	..	..	..	..	..	..	..	..	..	388	8	9
19. Merbein ..	3,890	7	0	3,573	16	10	132	2	8	137	0	0	3	17	0	3,865	17	11	24	9	1	..	..	..	..	..	..	..	..	..	1,630	9	4
20. Minyip ..	1,823	14	10	1,299	11	9	98	3	1	75	0	0	8	1	8	1,480	16	6	342	18	4	401	9	1						
21. Mornington ..	15,198	1	0	6,318	14	2	4,400	0	10	1,223	0	0	368	13	3	12,301	2	0	2,806	19	4	14,191	12	6						
22. Natimuk ..	632	6	11	683	12	0	133	1	0	50	0	0	10	7	2	2,441	0	2	2,806	19	4						
23. Nakenham ..	2,677	17	3	975	10	1	747	5	7	182	0	0	61	6	5	1,966	2	1	711	12	3	7,064	4	8						
24. Pimpindo ..	6	14	6	7	11	8	..	..	..	..	..	..	..	..	..	7	11	8	0	17	2	..	..	..	..	..	..	..	..	..	1	2	10
25. Pyramid Hill ..	919	14	10	691	9	8	41	11	8	39	0	0	3	9	0	777	6	11	142	7	11	..	..	..	..	..	..	..	..	..	1,097	17	6
26. Queenscliff-Point ..	7,664	14	5	6,556	10	9	524	16	8	1,120	0	0	42	2	8	8,343	10	1	678	15	8	8,666	8	10						
27. Rainbow ..	1,355	6	3	863	10	6	244	11	4	48	0	0	19	10	6	1,175	12	4	179	13	11	4,045	11	4						
28. Rupanyup ..	1,652	19	0	1,166	12	1	134	8	6	57	0	0	10	17	2	1,368	17	9	284	1	3	364	10	2						
29. Somerville ..	897	1	6	401	0	10	150	4	4	81	0	0	11	15	11	644	1	1	253	0	5	592	19	5						
30. South Frankston ..	7,266	2	11	2,876	6	0	1,435	18	10	528	0	0	116	17	1	4,957	1	11	2,309	1	0	..	..	..	..	..	..	..	..	..	15	4	11
31. Teraug ..	5,543	3	3	3,963	8	10	905	15	1	542	0	0	72	5	8	5,484	0	3	59	3	0	..	..	..	..	..	..	..	..	..	6	19	1
32. Watchem ..	479	6	3	897	5	11	4	0	5	35	0	0	0	8	0	936	14	4	457	8	1	..	..	..	..	..	..	..	..	..	0	3	1
Totals ..	218,392	16	1	121,250	15	1	50,662	4	4	16,077	0	0	4,152	13	5	192,168	5	3	2,473	1	11	183	19	5	{ (A) 14 10 0 } { (B) 725 19 6 }	14,197	5	10	202,227	5	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 "Revenue Expenditure Chargeable to the State Account". (By Authority of Orders in Council dated 30th June, 1938, 9th December, 1940, 23rd October, 1945, and 24th April, 1946, respectively under the provisions of Section 6, *Water Act 1937*, No. 4513.)

	2,299 16 4	1,962 16 3	0 17 8	103 0 0	0 1 6	..	2,066 15 5	(Dr.) 233 0 11	5 14 1	(B)	0 7 3	1,638 15 9	1,237 10 9	..
33. Anglesea	840 1 11	817 0 8	0 1 7	23 0 0	..	..	840 2 3	(Dr.) 0 0 4	0 14 0	..	..	96 18 2	381 5 8	..
34. Beulah	1,117 2 10	2,151 4 6	75 6 1	84 0 0	..	..	2,235 4 6	(Dr.) 118 1 8	0 2 11	..	..	873 6 5	3,208 12 11	..
35. Birchip	1,739 14 7	1,356 2 8	291 17 11	201 0 0	6 1 3	..	1,638 10 0	(Dr.) 101 4 7	2 2 5	..	..	..	1,069 7 10	..
36. Bittern-Crib Point	1,906 16 11	449 17 3	..	110 0 0	24 6 10	..	876 2 0	(Dr.) 30 14 11	..	..	..	474 1 9	..	2,283 2 6
37. Bunyip	68 10 2	56 15 0	..	6 0 0	..	..	62 15 0	(Dr.) 5 15 2	..	..	..	..	..	294 14 10
38. Carwarp	170 13 10	144 17 6	..	8 0 0	..	..	152 17 6	(Dr.) 17 16 4	..	..	..	218 18 1	75 10 10	..
39. Chillingollah	158 18 5	223 5 6 3	..	8 0 0	..	..	231 5 6	(Dr.) 72 7 1	..	..	..	157 15 3	1,050 1 0	..
40. Chinkapook	57 16 4	127 7 3	..	11 0 0	0 1 0	..	138 18 4	(Dr.) 81 2 0	..	..	..	130 4 9	..	5 4 3
41. Doonee	1,309 0 1	1,158 2 0	1 2 10	175 0 0	0 1 11	..	1,334 6 9	(Dr.) 25 6 8	..	..	..	381 5 7	..	323 16 9
42. Drysdale	517 15 4	294 15 1	170 7 1	45 0 0	14 4 11	..	524 7 1	(Dr.) 6 11 9	..	..	..	..	..	1,716 9 4
43. Garfield	1,345 16 4	972 1 4	0 3 9	182 0 0	0 1 0	..	1,154 6 1	(Dr.) 104 8 1	..	..	..	..	..	..
44. Hastings	1,615 8 10	1,449 5 4	0 14 3	61 0 0	0 1 2	..	1,511 0 9	(Dr.) 191 10 3	1 12 6	(B)	0 11 6	..	297 0 3	192 11 0
45. Hopetoun	291 5 9	494 2 11	0 1 0	45 0 0	..	..	539 3 11	(Dr.) 247 18 2	..	..	..	580 2 10	..	..
46. Jung Jung	815 7 1	917 19 5	2 17 4	68 0 0	0 4 9	..	1,308 5 2	(Dr.) 116 9 5	2 1 11	(B)	3 3 6	448 13 9	2,137 14 1	..
47. Koondrook	400 18 10	185 7 10	2 10 2	42 0 0	0 6 9	..	989 1 6	(Dr.) 173 14 5	38 9 7	(B)	2 12 6	540 2 11	3,682 8 4	..
48. Lake Boga	255 18 2	209 17 11	0 10 2	21 0 0	0 1 0	..	230 13 9	(Dr.) 170 5 1	6 4 8	(A)	3 9 8	408 17 3	4,298 13 3	..
49. Lascelles	809 12 9	892 5 2	53 12 6	33 0 0	4 6 6	..	983 4 2	(Dr.) 24 9 1	..	..	..	1,600 19 3	1,600 19 3	..
50. Lalbert	120 3 1	278 4 7	0 2 7	13 0 0	..	..	291 7 2	(Dr.) 171 4 1	34 10 6	..	..	..	2,029 18 1	..
51. Manangatang	161 8 10	335 9 5	0 1 11	39 0 0	..	4 17 3	379 6 8	(Dr.) 22 17 9	..	..	..	..	2,160 2 1	..
52. Merinur	1,037 16 8	1,867 9 6	57 16 8	57 0 0	4 11 1	..	1,086 17 3	(Dr.) 949 0 7	7 5 9	..	..	..	5,693 0 1	..
53. Mitiamo	218 4 1	321 14 4	9 4 2	10 0 0	0 15 10	..	241 14 4	(Dr.) 23 10 3	..	..	..	..	297 11 5	..
54. Nandaly	519 8 1	392 15 4	..	31 0 0	..	..	423 15 4	(Dr.) 95 12 9	..	..	..	48 2 10	147 7 3	966 5 7
55. Newstead	1,117 8 3	856 2 3	..	116 0 0	..	..	972 2 3	(Dr.) 145 6 0	4 5 9	..	..	..	..	..
56. Nullawil	3,993 14 3	3,365 1 4	1 19 3	117 0 0	0 4 7	..	3,478 5 2	(Dr.) 515 9 1	62 12 1	(B)	1 18 8	..	630 9 10	..
57. Nyah West	3,332 17 5	304 1 9	0 1 0	11 0 0	..	..	321 2 9	(Dr.) 11 14 8	..	..	..	..	119 15 11	..
58. Nyah West	435 18 6	302 12 3	2 6 7	52 0 0	0 3 11	0 10 4	355 2 7	(Dr.) 80 15 11	129 9 3	(B)	14 19 9	..	1,122 17 2	..
59. Ouyen	2,233 3 2	1,726 15 6	0 1 11	310 0 0	..	..	2,039 6 0	(Dr.) 193 17 2	..	(B)	1 9 6	1,724 12 7	4,274 15 10	..
60. Patches	1,824 11 1	708 6 9	50 5 1	43 0 0	4 2 2	..	1,940 12 2	(Dr.) 63 9 2	..	(B)	..	..	131 4 1	..
61. Piangil	1,824 11 1	1,811 4 11	0 1 11	75 0 0	..	..	1,36 9 10	(Dr.) 116 1 1	3 7 2	(B)	0 6 5	..	901 16 5	..
62. Portarlington	1,824 11 1	1,811 4 11	0 1 11	75 0 0	..	..	1,36 9 10	(Dr.) 48 4 8	..	..	..	..	939 14 9	..
63. Quambatook	1,824 11 1	1,811 4 11	0 1 11	75 0 0	..	..	1,36 9 10	(Dr.) 48 4 8	..	..	..	..	523 19 2	..
64. Sea Lake	1,824 11 1	1,811 4 11	0 1 11	75 0 0	..	..	1,36 9 10	(Dr.) 48 4 8	..	..	..	..	1,993 10 5	1,651 6 9
65. Speed	1,824 11 1	1,811 4 11	0 1 11	75 0 0	..	..	1,36 9 10	(Dr.) 48 4 8	..	..	..	..	1,993 10 5	..
66. Tempy	1,824 11 1	1,811 4 11	0 1 11	75 0 0	..	..	1,36 9 10	(Dr.) 48 4 8	..	..	..	..	1,993 10 5	..
67. Torquay	1,824 11 1	1,811 4 11	0 1 11	75 0 0	..	..	1,36 9 10	(Dr.) 48 4 8	..	..	..	..	1,993 10 5	..
68. Ultima	1,824 11 1	1,811 4 11	0 1 11	75 0 0	..	..	1,36 9 10	(Dr.) 48 4 8	..	..	..	..	1,993 10 5	..
69. Waite	1,824 11 1	1,811 4 11	0 1 11	75 0 0	..	..	1,36 9 10	(Dr.) 48 4 8	..	..	..	..	1,993 10 5	..
70. Walpeup	1,824 11 1	1,811 4 11	0 1 11	75 0 0	..	..	1,36 9 10	(Dr.) 48 4 8	..	..	..	..	1,993 10 5	..
71. Werriami	1,824 11 1	1,811 4 11	0 1 11	75 0 0	..	..	1,36 9 10	(Dr.) 48 4 8	..	..	..	..	1,993 10 5	..
72. Wonthaggi	1,824 11 1	1,811 4 11	0 1 11	75 0 0	..	..	1,36 9 10	(Dr.) 48 4 8	..	..	..	..	1,993 10 5	..
73. Woonelang	1,824 11 1	1,811 4 11	0 1 11	75 0 0	..	..	1,36 9 10	(Dr.) 48 4 8	..	..	..	..	1,993 10 5	..
74. Woorinen	1,824 11 1	1,811 4 11	0 1 11	75 0 0	..	..	1,36 9 10	(Dr.) 48 4 8	..	..	..	..	1,993 10 5	..
75. Wycheproof	1,824 11 1	1,811 4 11	0 1 11	75 0 0	..	..	1,36 9 10	(Dr.) 48 4 8	..	..	..	..	1,993 10 5	..
76. Yaaapeet	1,824 11 1	1,811 4 11	0 1 11	75 0 0	..	..	1,36 9 10	(Dr.) 48 4 8	..	..	..	..	1,993 10 5	..
Totals ..	47,960 9 6	41,815 16 9	1,301 10 1	3,145 0 0	107 0 7	8 6 4	46,377 13 9	{(Dr.) 3,012 9 11}	363 13 9	{(A) 3 9 8}	12,406 9 9	47,298 4 11	10,339 4 8	..
GRAND TOTALS ..	266,353 5 7	163,066 11 10	51,963 14 5	19,222 0 0	4,259 14 0	33 18 9	238,545 19 0	{(Dr.) 5,455 11 0}	547 13 2	{(A) 17 19 8}	26,603 15 7	61,613 7 5	212,566 9 11	..

FLOOD PROTECTION DISTRICTS.

CASH ACCOUNT.

STATEMENT of Moneys received and disbursed from 1st July, 1920, to 30th June, 1954, also of Interest and Depreciation charged for Financial Year 1953-54.

District.	Receipts.			Expenditure.							Excess Receipts over Expenditure 1953-54.	Excess Receipts over Expenditure 1953-54.	Accumulated.										
	Receipts Year Ended 30th June, 1954.	Total 1920 to 30th June, 1954.	£	Year Ended 30th June, 1954.			£	s.	d.	£			s.	d.	Surplus Credited to District Account, at 30th June, 1954.	Deficiency Chargeable to District Account at 30th June, 1954.	Deficiency Chargeable to State 30th June, 1954.						
				Operating Costs.	Interest.	Depreciation.																	
																		Total.					
£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.						
1. Cardinia ..	7,745	17	0	..	..	20	0	0	12,025	7	1	109,088	6	2	..	21,381	11	3	3,303	19	2
2. Kanyapella ..	110	9	2	..	..	..	..	..	369	0	0	5,532	14	11	1,647	19	10	..	..	..
3. Loch Garry ..	382	17	7	..	..	..	..	..	366	15	1	19,422	0	2	3,078	14	1	..	..	..
4. Lower Koo-wee-rup ..	17,030	10	10	..	..	65	0	0	27,276	12	5	207,105	9	6	..	32,828	4	1	7,949	1	8
Totals ..	25,249	14	7	85	0	0	40,037	14	7	341,148	10	9	4,726	13	11	54,209	15	4	11,253	0	10

PROFIT AND LOSS ACCOUNT FOR FINANCIAL YEAR 1953-54.
STATEMENT of Revenue Assessment (inclusive of Rate, Charge, Interest and Miscellaneous) and Expenditure, Interest and Depreciation charged, and Amounts Written Off.

District.	Expenditure.						Profit and Loss.						
	Revenue Assessment.	Operating Costs.	Interest.	Depreciation.	Amounts Written Off.	Total	Excess Expenditure over Assessment.	Excess Assessment over Expenditure.	Revenue Due for Previous Years Written Off.	Adjustments to Revenue Prior to 1953-54. (A) Loss. (B) Gain.	Interest and Other Losses Prior to 30th June, 1938, Borne by State. (Act No. 5017.)	Loss since 30th June, 1938.	Gain as at 30th June, 1953-54.
	£ 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. Gardinia ..	7,987 10 4	12,380 7 1*	..	20 0 0	..	12,400 7 1	4,412 16 9	..	..	..	3,303 19 2	11,968 8 11	..
2. Kanyapella ..	119 12 2	369 0 0	..	..	..	369 0 0	249 7 10	..	..	..	..	..	1,699 3 0
3. Loch Garry ..	348 5 4	366 15 1	..	..	0 2 8	366 17 9	18 12 5	..	..	..	..	..	3,146 11 11
4. Lower Koo-wee-rup ..	17,062 12 0	27,211 12 5	..	65 0 0	56 4 0	27,332 16 5	10,270 4 5	..	6 19 1	..	7,949 1 8	31,916 18 10	..
Totals ..	25,517 19 10	40,327 14 7*	..	85 0 0	56 6 8	40,469 1 3	14,951 1 5	..	6 19 1	..	11,253 0 10	43,885 7 9	4,845 14 11

* Includes Annual Contribution to Capitalized Maintenance on Four Bridges, £375.—Cardinia.

DRAINAGE DISTRICT.

CASH ACCOUNT.

STATEMENT of Moneys received and disbursed from 1st July, 1937, to 30th June, 1954 ; also of Depreciation charged for Financial Year 1953-54.

District.	Receipts.		Expenditure					Excess Expenditure over Receipts, 1953-54.	Excess Receipts over Expenditure, 1953-54.	Accumulated.		
	Receipts 1953-54.	Total 1937, to 30th June, 1954.	Year Ended 30th June, 1954.			Total 1937, to 30th June, 1954.	Surplus Credited to District Account at 30th June, 1954.			Deficiency Chargeable to District Account at 30th June, 1954.	Deficiency Chargeable to State Account at 30th June, 1954.	
			Operating Costs.	Depreciation.	Total							
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	
1. Carrum	8,249 5 6	50,271 1 9	5,984 4 5	21 0 0	6,005 4 5	56,333 8 6	..	2,244 1 1	..	6,062 6 9	..	
Total	8,249 5 6	50,271 1 9	5,984 4 5	21 0 0	6,005 4 5	56,333 8 6	..	2,244 1 1	..	6,062 6 9	..	

PROFIT AND LOSS ACCOUNT FOR FINANCIAL YEAR 1953-54.
STATEMENT of Revenue Assessment (inclusive of Rate, Interest, and Miscellaneous) and of Expenditure, Depreciation Charged and Amounts Written Off.

District.	Revenue Assessment.	Expenditure.					Profit and Loss.					
		Operating Costs.	Depreciation.	Amounts Written Off.	Total.	Excess Expenditure over Assessment.	Excess Assessment over Expenditure.	Revenue Due for Previous Years Written Off.	Adjustments to Revenue for Years Prior to 1953-54. (A) Loss. (B) Gain.	Interest and Other Losses Prior to 30th June, 1938, Borne by State. (Act No. 5017.)	Loss since 30th June, 1938.	Gain as at 30th June, 1954.
..	£ s. d. 8,555 4 2	£ s. d. 5,084 4 5	£ s. d. 21 0 0	£ s. d. ..	£ s. d. 6,005 4 5	£ s. d. ..	£ s. d. 2,549 19 9	£ s. d. ..	£ s. d. ..	£ s. d. ..	£ s. d. 4,517 1 2	£ s. d. ..
Total ..	£ s. d. 8,555 4 2	£ s. d. 5,084 4 5	£ s. d. 21 0 0	£ s. d. ..	£ s. d. 6,005 4 5	£ s. d. ..	£ s. d. 2,549 19 9	£ s. d. ..	£ s. d. ..	£ s. d. ..	£ s. d. 4,517 1 2	£ s. d. ..

SUMMARY OF CASH ACCOUNTS, 1953-54.

Works.	Receipts.		Expenditure.							(D) Excess Expenditure over Receipts over Expenditure. 1953-54.	Accumulated Surplus or Deficiency at 30th June, 1954.	
	Year Ended 30th June, 1954.	Total 1906 to 30th June, 1954	Year Ended 30th June, 1954.								(D) Chargeable ; or (S) Credited to District Account.	Chargeable to State Account.
			Operating Costs.	Interest.	Depreciation.	Redemption.	Total.	Total 1906 to 30th June, 1954.				
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	
Plant Workshops ..	27,466 0 2	132,906 6 1	24,769 10 10	576 2 6	1,412 0 0	44 1 10	26,801 15 2	179,377 10 3	{(D) 178 15 2 {(S) 843 0 2	(D) 46,471 4 2	..	
Coliban System ..	102,374 6 2	2,345,343 1 9	126,882 0 3	9,612 7 4	8,294 0 0	..	144,788 7 7	3,445,256 5 0	{(D) 42,436 19 3 {(S) 22 17 10	{(D) 14,912 7 7 {(S) 772 6 3	1,085,773 1 11	
Irrigation Districts—												
Pumping ..	276,482 11 5	3,274,772 1 5	313,527 16 7	..	22,630 0 0	..	336,157 16 7	3,971,061 8 0	(D) 59,675 5 2	(D) 154,199 9 4	542,089 17 3	
Gravitation ..	644,930 2 6	9,047,803 6 8	668,826 10 5	..	25,312 0 0	..	694,138 10 5	10,189,123 5 7	{(D) 67,789 5 1 {(S) 18,580 17 2	{(D) 636,900 18 3 {(S) 36,372 1 0	540,791 1 8	
Irrigation Urban Divisions	15,473 6 3	171,193 2 10	11,682 16 7	160 1 11	835 6 3	71 3 9	12,749 8 6	173,860 11 1	{(D) 505 11 7 {(S) 3,229 9 4	{(D) 3,426 10 5 {(S) 3,792 6 1	3,033 3 11	
Waterworks Districts ..	325,466 11 7	5,683,148 1 6	499,184 0 1	12,788 4 2	12,805 0 0	818 17 7	525,596 1 10	8,871,521 9 3	{(D) 214,213 17 11 {(S) 14,084 7 8	{(D) 387,279 6 5 {(S) 60,686 8 4	2,861,780 9 8	
Waterworks Urban Districts	261,002 6 8	3,101,203 14 11	163,066 11 10	51,963 14 5	19,222 0 0	4,247 2 11	238,499 9 2	3,030,927 2 2	{(D) 7,894 17 4 {(S) 30,397 14 10	{(D) 23,206 2 4 {(S) 174,646 2 9	81,163 7 8	
Flood Protection Districts	25,249 14 7	280,412 8 6	39,952 14 7	..	85 0 0	..	40,037 14 7	341,148 10 9	(D) 14,788 0 0	{(D) 54,209 15 4 {(S) 4,726 13 11	11,253 0 10	
Carrum Drainage District	8,249 5 6	50,271 1 9	5,984 4 5	..	21 0 0	..	6,005 4 5	56,333 8 6	(S) 2,244 1 1	(D) 6,062 6 9	..	
Totals ..	1,986,694 4 10	24,087,053 5 5	1,853,876 5 7	75,100 10 4	90,616 6 3	5,181 6 1	2,024,774 8 3	30,258,609 10 7	{(D) 407,482 11 6 {(S) 69,402 8 1	{(D) 1,326,668 0 7 {(S) 280,995 18 4	5,125,884 2 11	

SUMMARY OF PROFIT AND LOSS ACCOUNTS FOR FINANCIAL YEAR 1953-54.

Works.	Expenditure.						Profit and Loss.						Gain as at 30th June, 1954.																
	Revenue Assessment.	Operating Costs.	Interest.	Depreciation.	Redemption.	Amounts Written Off.	Total.	Excess— (Dr.) Expenditure (Cr.) Assessment for Year.	Revenue Due for Previous Written Off.	Adjustments to Revenue for Years prior to 1953-54. (A) Loss. (B) Gain.	Interest and Other Losses prior to 30th June, 1938, Borne by State. (Act No. 5017.)	Loss since 30th June, 1938.																	
	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.														
Plant Workshops ..	27,910	2	8	24,769	10	10	576	2	6	48	12	11	26,806	6	3	..	35,037	6	10	..									
Colban System ..	103,844	9	5	126,882	0	3	9,612	7	4	733	1	10	145,536	3	10	71	10	5	{(A) 5 17 6 (B) 10 9 0}	828,373	18	10	271,939	12	8	770	3	10	
Irrigation Districts—																													
Pumping ..	306,189	4	2	313,527	16	7	..	..	..	..	..	..	360,356	15	7	6	17	3	(B) 74 3 7	142,937	14	11	536,288	2	4	..	..	..
Gravitation ..	690,402	12	7	608,826	10	5	..	..	..	..	..	..	703,090	0	10	235	3	1	{(A) 40 19 6 (B) 172 1 3}	529,255	8	2	550,324	18	1	63,681	5	5
Irrigation Divisions	14,992	4	8	11,682	16	7	160	1	11	13	8	7	12,700	19	0	5	11	11	(B) 18 2 1	408	19	7	5,463	0	3	4,805	3	2	
Waterworks Districts	321,984	5	5	499,184	0	1	12,788	4	2	1,031	11	4	527,133	19	3	1,319	4	2	{(A)13,549 11 1 (B)13,700 13 7}	677,688	8	2	2,542,317	17	5	65,176	11	9	
Waterworks Districts	266,353	5	7	163,066	11	10	51,963	14	5	4,259	14	0	238,545	19	0	547	13	2	{(A) 17 19 8 (B) 751 8 7}	26,603	15	7	61,613	7	5	212,566	9	11	
Flood Protection Districts	25,517	19	10	40,327	14	7*	..	..	..	..	..	..	40,469	1	3	6	19	1	..	11,253	0	10	43,885	7	9	4,845	14	11
Carriam District	8,555	4	2	5,984	4	5	..	..	..	..	..	..	6,005	4	5	..	..	..	..	..	..	..	4,517	1	2	..	..	..
Totals ..	1,765,749	8	6	1,854,251	5	7*	75,100	10	4	6,086	8	8	2,060,644	9	5	2,192	19	1	{(A)13,614 7 9 (B)14,726 18 1}	2,216,521	6	1	4,051,386	13	11	351,845	9	0	

* Includes £375 instalment on Capitalized Maintenance.

DISTRICT BALANCE-SHEETS AS AT 30TH JUNE, 1954.

District.	Liabilities.						Assets.						
	Capital Borne by— (A) State. (B) District.	Redemption Account.	Depreciation Reserve Account.	Sundry Creditors.	Accumulated Deficiency Chargeable to— (A) State Account. (B) District Account.	Profit and Loss Account. Gain.	Works at Cost.	Depreciation Account.	Sundry Debtors.	Accumulated Surplus Credited to District Account.	Profit and Loss Account.		
											Loss since 30th June, 1938.	Interest and Other Losses prior to 30th June, 1938, Borne by State. (Act No. 5017.)	
PLANT WORKSHOPS.													
1. Bendigo ..	{ (A) 219,981 4 11 } { (B) 17,338 0 9 }	298 17 4	8,371 10 6	..	(B) 46,409 4 6	..	237,618 3 0	8,371 10 6	11,383 10 8	..	35,025 13 10	..	
2. Kerang Sub-Depot ..	{ (A) 3,518 3 4 } { (B) 361 14 7 }	4 11 1	92 0 0	..	(B) 61 19 8	..	3,879 17 11	92 0 0	54 17 9	..	11 13 0	..	
Totals ..	{ (A) 223,499 8 3 } { (B) 17,699 15 4 }	303 8 5	8,463 10 6	..	(B) 46,471 4 2	..	241,498 0 11	8,463 10 6	11,438 8 5	..	35,037 6 10	..	
							£296,437 6s. 8d.						
COLIBAN SYSTEM.													
1. Harcourt ..	(A) 17,288 10 4	232 18 6	248 19 0	2 11 0	..	770 3 10	17,521 8 10	248 19 0	0 8 7	772 6 3	..	..
Totals ..	(A) 17,288 10 4	232 18 6	248 19 0	2 11 0	..	770 3 10	17,521 8 10	248 19 0	0 8 7	772 6 3	..	..
							£296,437 6s. 8d.						
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 8th November, 1943, 18th December, 1944, and 23rd February, 1946, under the provisions of Section 6, <i>Water Act</i> 1937, No. 4513).													
2. Axe Creek ..	(A) 4,985 11 4	..	..	2 11 8	{ (A) 641 16 5 } { (B) 972 10 0 }	..	4,985 11 4	..	49 15 2	..	1,567 2 11	..
3. Coliban ..	{ (A) 2,241,574 17 3 } { (B) 293,199 19 6 }	12,874 12 3	31,013 0 7	162 9 6	{ (A) 1,084,077 2 6 } { (B) 13,729 8 9 }	..	2,534,774 16 9	31,013 0 7	13,312 15 4	..	269,156 18 10	828,373 18 10	
4. Marong ..	{ (A) 2,109 15 8 } { (B) 22 18 10 }	15 2 0	807 18 4	..	{ (A) 1,054 3 0 } { (B) 210 8 10 }	..	2,146 16 7	807 18 4	50 0 10	..	1,215 10 11	..	
Totals ..	{ (A) 2,248,670 4 3 } { (B) 293,222 18 4 }	12,889 14 3	31,820 18 11	165 1 2	{ (A) 1,085,773 1 11 } { (B) 14,912 7 7 }	..	2,541,907 4 8	31,820 18 11	13,412 11 4	..	271,939 12 8	828,373 18 10	
Grand Total ..	{ (A) 2,265,958 14 7 } { (B) 293,222 18 4 }	13,122 12 9	32,069 17 11	167 12 2	{ (A) 1,085,773 1 11 } { (B) 14,912 7 7 }	770 3 10	2,559,428 13 0	32,069 17 11	13,412 19 11	772 6 3	271,939 12 8	828,373 18 10	
							£3,705,997 9s. 1d.						

DISTRICT BALANCE-SHEETS AS AT 30TH JUNE, 1954.

District.	Liabilities.					Assets.						
	Capital Borne by State.	Redemption Account.	Depreciation Reserve Account.	Sundry Creditors.	Accumulated Chargeable to— (A) State Account. (B) District Account.	Profit and Loss Account. Gain.	Works at Cost.	Depreciation Account.	Sundry Debtors.	Accumulated Surplus Credited to District Account.	Profit and Loss Account.	
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	Loss since 30th June, 1938.	Interest and Other Losses prior to 30th June, 1938, Borne by State (Act No. 5017.)
IRRIGATION DISTRICTS.												
1. Bacchus Marsh	187,989 6 0	908 9 4	875 0 2	7 4 3	{(A) 21,170 8 3 {(B) 18,090 8 3	..	188,957 15 4	875 0 2	1,630 8 6	..	16,467 4 0	21,170 8 3
2. Boort	297,200 2 0	215 13 8	3,767 6 11	4 3 8	{(A) 1,620 15 3 {(B) 63,240 10 7	..	297,415 15 8	3,767 6 11	1,575 8 11	..	61,669 5 4	1,620 15 3
3. Calivil	199,912 3 8	153 7 2	892 3 6	3 12 11	{(A) 19,935 9 2 {(B) 6,651 13 10	12,949 16 10	200,065 10 10	892 3 6	3,050 7 9	9,903 2 0	..	19,935 9 2
4. Campaspe	66,651 13 10	..	415 4 2	7 10 6	{(A) 3,695 6 10 {(B) 3,858 2 10	..	66,651 13 10	415 4 2	227 15 10	..	3,637 17 6	3,695 6 10
5. Central Gippsland (under construction)	1,644,855 3 10	..	..	3 0 9	..	3,986 5 3	1,644,855 3 10	..	697 10 7	3,291 15 5	..	..
6. Coluna	875,933 5 6	4,025 5 5	6,018 13 2	16 15 10	{(A) 15,145 0 10 {(B) 8,583 3 9	1,227 5 11	879,958 10 11	6,018 13 2	9,827 5 6	..	..	15,145 0 10
7. Deakin	98,968 0 7	506 14 4	1,974 11 0	9 2 0	{(A) 2,255 4 9 {(B) 9,568 18 1	..	99,474 14 11	1,974 11 0	1,447 7 3	..	8,130 12 10	2,255 4 9
8. Dingee	94,880 5 11	198 0 9	369 0 1	0 1 5	{(A) 4,766 11 5 {(B) 27,858 0 1	968 12 5	95,078 6 8	369 0 1	659 15 1	308 18 9	..	4,766 11 5
9. Katandra	190,614 8 0	220 9 5	497 14 0	..	..	2,214 13 11	190,834 17 5	497 14 0	510 1 10	1,704 12 1	..	27,858 0 1
10. Kerang	393,112 11 6	1,110 12 9	3,079 15 5	48 6 6	{(A) 3,766 6 2 {(B) 21,111 11 1	..	394,223 4 3	3,079 15 5	8,095 5 5	..	13,064 12 2	3,766 6 2
11. Koondrook	489,698 18 8	1,307 4 9	4,222 16 8	18 17 11	{(A) 52,391 9 8 {(B) 28,540 4 7	..	491,006 3 5	4,222 16 8	6,847 15 11	..	21,711 6 7	52,391 9 8
12. Maffra-Sale	1,371,517 8 10	2,447 15 0	6,614 3 8	98 10 1	{(A) 3,713 1 5 {(B) 97,257 7 1	..	1,373,965 3 10	6,614 3 8	3,822 9 6	..	93,533 7 8	3,713 1 5
13. Murray Valley	3,315,923 3 9	136 0 0	4,190 12 8	87 9 4	..	42,334 11 1	3,316,059 3 9	4,190 12 8	21,258 7 8	21,163 12 9	..	..
14. Mystic Park	61,181 16 11	101 8 8	144 11 1	..	{(A) 2,112 16 8 {(B) 19,175 0 2	..	61,283 5 7	144 11 1	790 18 5	..	18,384 1 9	2,112 16 8
15. North Shepparton	380,799 2 8	1,052 13 5	1,422 3 11	2 13 3	{(A) 42,760 2 0 {(B) 9,000 0 0	..	381,851 16 1	1,422 3 11	1,134 14 0	..	7,867 19 3	42,760 2 0
16. Robinvale	684,425 0 4	..	30,748 3 7	..	{(A) 95,708 9 5 {(B) 35,162 16 6	..	684,425 0 4	30,748 3 7	4,464 9 2	..	91,244 0 3	..
17. Rochester	1,207,689 19 3	3,408 12 1	5,876 14 8	144 8 3	{(A) 19,812 13 6 {(B) 86,159 15 7	..	1,211,098 11 4	5,876 14 8	17,574 19 10	..	2,382 1 11	35,162 16 6
18. Rodney	1,613,106 5 5	2,342 14 3	21,434 3 3	85 10 4	{(A) 72,690 18 2 {(B) 60,912 11 9	..	1,615,448 19 8	21,434 3 3	18,913 4 11	..	53,863 3 7	86,159 15 7
19. Shepparton	514,344 12 6	899 3 8	3,823 4 10	1 11 11	{(A) 34,910 0 0 {(B) 7,837 9 10	..	515,243 16 2	3,823 4 10	772 2 2	..	34,139 9 9	60,912 11 9
20. South Shepparton	122,059 0 5	309 12 3	675 15 10	..	{(A) 2,735 16 9 {(B) 6,236 10 6	..	122,368 12 8	675 15 10	268 10 10	..	7,568 19 0	2,735 16 9
21. Swan Hill	497,354 9 10	1,033 7 8	13,940 8 11	50 8 9	{(A) 70,073 19 4 {(B) 6,238 18 7	..	498,387 17 6	13,940 8 11	6,643 10 0	..	63,480 18 1	6,236 10 6
22. Third Lake	51,895 14 8	82 3 11	261 8 7	..	{(A) 2,439 2 2 {(B) 6,238 18 7	..	51,977 18 7	261 8 7	428 9 1	..	5,810 9 6	2,439 2 2
23. Tongala-Stanhope	972,564 18 6	2,562 12 6	4,741 2 10	53 1 10	{(A) 73,622 18 2 {(B) 61,013 13 10	..	975,127 11 0	4,741 2 10	8,539 16 1	..	52,526 19 7	73,622 18 2
24. Tragowel Plains	817,322 16 6	1,461 1 9	6,274 4 2	12 13 6	{(A) 42,840 6 8 {(B) 53,439 15 11	..	818,783 18 3	6,274 4 2	8,785 19 6	..	44,666 9 11	42,840 6 8
25. Werribee	321,781 18 1	1,491 5 10	2,688 9 9	119 13 4	{(A) 15,475 10 3 {(B) 31,803 16 10	..	323,273 3 11	2,688 9 9	2,138 15 10	..	29,784 14 4	15,475 10 3
Totals ..	16,471,782 7 2	26,034 8 7	124,947 12 10	774 16 4	{(A) 526,776 0 10 {(B) 731,955 1 10	63,681 5 5	16,497,816 15 9	124,947 12 10	130,105 9 7	36,372 1 0	629,933 13 0	526,776 0 10

DISTRICT BALANCE-SHEETS AS AT 30TH JUNE, 1954.

District.	Liabilities.					Assets.									
	Capital Borne by— (A) State. (B) District.	Redemption Account.	Depreciation Reserve Account.	Sundry Creditors.	Accumulated Deficiency Chargeable to— (A) State Account. (B) District Account.	Profit and Loss Account.		Works at Cost.	Depreciation Account.	Sundry Debtors.	Accumulated Surplus Credited to District Account.	Profit and Loss Account.			
						Gain.	Loss					Loss since 30th June, 1938.	Interest and Other Losses prior to 30th June, 1938, Borne by State. (Act No. 5017.)		
	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.
URBAN DIVISIONS.															
1. Cohuna	{(A) 9,627 17 8 (B) 3,126 13 0}	227 6 4	1,312 0 0	3 14 3	..	482 18 3	12,981 17 0	1,312 0 0	207 13 2	278 19 4	..	..	..	..	..
2. Lockington	{(A) 3,088 15 3 (B) 118 9 5}	37 15 2	980 13 5	0 13 3	..	958 9 6	3,244 19 10	980 13 5	45 17 1	913 5 8	..	..	..	..	..
3. Macorna	{(A) 1,487 18 0 (B) ..}	..	126 6 4	0 0 6	(B) 333 5 1	..	1,487 18 0	126 6 4	0 4 7	..	333 1 0	..	..	..	..
4. Red Cliffs	{(A) 35,511 7 4 (B) 1,586 17 1}	275 13 8	683 1 1	2 9 3	(B) 2,909 15 4	..	37,373 18 1	683 1 1	406 2 9	..	2,506 1 10	..	..	..	..
5. Robinvale	{(A) 13,557 3 2 (B) ..}	..	662 1 6	0 0 6	..	751 9 5	13,557 3 2	662 1 6	106 14 3	644 15 8	..	..	..	..	..
6. Tallygaroopna	{(A) 4,103 8 2 (B) ..}	..	248 13 10	..	..	292 8 3	4,103 8 2	248 13 10	15 4 0	277 4 3	..	..	..	..	..
Totals	{(A) 67,376 9 7 (B) 4,831 19 6}	540 15 2	4,012 16 2	6 17 9	(B) 3,243 0 5	2,485 5 5	72,749 4 3	4,012 16 2	781 15 10	2,114 4 11	2,839 2 10	..	..	..	..
The Districts 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 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 18th December, 1944, under the provisions of Section 6, <i>Water Act 1937</i> , No. 4513.)															
7. Corop	(A) 231 15 6	..	125 8 9	..	(A) 106 0 11	7 4 10	231 15 6	125 8 9	50 17 8	..	..	62 8 1			
8. Dingee	(A) 1,857 6 4	..	194 5 4	..	{(A) 478 7 5 (B) 152 13 10}	..	1,857 6 4	194 5 4	5 3 3	..	532 7 6	93 10 6			
9. Heyfield	(A) 32,689 4 2	..	1,030 16 8	1 9 4	(A) 160 19 2	1,798 18 2	32,689 4 2	1,030 16 8	583 3 6	1,217 4 0	..	160 19 2			
10. Leitchville	(A) 4,188 15 4	23 19 8	256 8 4	..	(A) 389 9 9	..	4,212 15 0	256 8 4	22 6 10	..	367 2 11	..			
11. Murrabit	(A) 1,048 13 5	..	622 2 3	..	{(A) 1,898 6 8 (B) 30 16 2}	..	1,048 13 5	622 2 3	112 14 0	..	1,724 7 0	92 1 10			
12. Stanhope	(A) 5,591 14 4	21 4 4	770 3 3	..	..	513 14 9	5,612 18 8	770 3 3	52 17 7	460 17 2	..	..	
Totals	(A) 45,607 9 1	45 4 0	2,999 4 7	1 9 4	{(A) 3,033 3 11 (B) 183 10 0}	2,319 17 9	45,652 13 1	2,999 4 7	827 2 10	1,678 1 2	2,623 17 5	408 19 7			
Grand Totals	{(A) 112,983 18 8 (B) 4,831 19 6}	585 19 2	7,012 0 9	8 7 1	{(A) 3,033 3 11 (B) 3,426 10 5}	4,805 3 2	118,401 17 4	7,012 0 9	1,608 18 8	3,792 6 1	5,463 0 3	408 19 7			
£136,687 2s. 8d.															

DISTRICT BALANCE-SHEETS AS AT 30TH JUNE, 1954.

District.	Liabilities.					Assets.						
	Capital Borne by— (A) State. (B) District.	Redemption Account.	Depreciation Reserve Account.	Sundry Creditors.	Accumulated Deficiency Chargeable to— (A) State Account. (B) District Account.	Profit and Loss Account. Gain.	Works at Cost.	Depreciation Account.	Sundry Debtors.	Accumulated Surplus Credited to District Account.	Profit and Loss Account.	
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	Loss since 30th June, 1938.	Interest and Other Losses prior to 30th June, 1938, Borne by State. (Act No. 5017).
WATERWORKS DISTRICTS.												
1. Bellarine Peninsula	{ (A) 391,223 10 3 } { (B) 83,187 4 2 }	3,376 1 4	Dr. 20,482 3 3	0 10 0	{ (A) 9,927 9 8 } { (B) 48,707 7 5 }	..	476,297 19 6	Cr. 20,482 3 3	2,269 12 10	..	47,927 0 10	9,927 9 8
2. East Loddon ..	(A) 2,287 14 1	3,281 9 1	..	0 2 9	..	1,157 9 7	5,569 3 2	..	264 12 0	893 0 4	..	..
3. Loddon ..	(A) 3,148 13 6	4,820 17 6	..	4 8 0	(B) 2,796 8 9	..	7,469 11 0	..	41 0 0	..	2,759 16 9	..
4. Mornington Peninsula	{ (A) 24,003 13 1 } { (B) 231,369 6 1 }	2,917 15 0	9,287 0 7	27 3 2	(A) 1,077 12 3	53,011 2 4	258,290 14 2	9,287 0 7	3,172 18 5	49,865 7 1	..	1,077 12 3
5. Newstead ..	(A) 4,636 6 10	..	..	..	..	350 5 0	4,636 6 10	..	..	350 5 0	..	..
6. Normanville ..	(A) 52,294 2 7	222 1 11	1,072 0 9	20 11 6	(B) 9,274 7 1	..	52,516 4 6	1,072 0 9	21 11 4	..	9,273 7 3	..
7. Otway ..	{ (A) 141,612 15 4 } { (B) 89,057 10 6 }	3,812 13 5	34,327 14 3	8 4 0	..	3,821 2 10	234,482 19 3	34,327 14 3	569 1 7	3,260 5 3	..	..
8. Werribee ..	(A) 12,521 11 9	82 12 10	..	0 2 7	(A) 2,221 10 10	553 6 8	12,604 4 7	..	78 12 6	474 16 9	..	..
9. Western Wimmera	(A) 387,414 8 9	177 10 2	8,587 10 9	62 1 6	{ (A) 13,428 5 1 } { (B) 76,882 2 0 }	..	387,591 18 11	8,587 10 9	4,158 3 11	..	72,785 19 7	13,428 5 1
10. West Loddon ..	(A) 9,638 2 10	3,764 7 3	..	1 0 0	(B) 4,374 3 7	..	13,402 10 1	..	1 1 6	..	4,374 2 1	..
11. Wimmera United	(A) 320,806 5 9	965 12 11	476 12 4	20 18 8	..	6,283 5 4	321,771 18 8	476 12 4	471 10 1	5,842 13 11	..	..
12. Wychitella ..	(A) 142,613 2 11	..	..	15 5 2	(B) 24,811 6 10	..	142,613 2 11	..	80 11 8	..	24,746 0 4	..
Totals ..	{ (A) 1,492,200 7 8 } { (B) 403,614 0 9 }	22,921 1 5	33,268 15 5	170 7 4	{ (A) 26,654 17 10 } { (B) 166,845 15 8 }	65,176 11 9	1,917,246 13 7	33,268 15 5	11,128 15 10	60,686 8 4	161,866 6 10	26,654 17 10

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, 21st October, 1941, and 25th November, 1952, under the provisions of Section 6, *Water Act 1937*, No. 4313.)

13. Birchip ..	(A) 143,454 12 3	382 17 0	..	1 4 4	{ (A) 46,457 0 0 } { (B) 5,077 15 6 }	..	143,837 9 3	..	90 16 7	..	27,601 1 11	23,844 1 4
14. Hindmarsh ..	(A) 20,892 10 7	103 4 3	3,079 17 3	..	(A) 2,016 11 10	..	20,995 14 10	3,079 17 3	74 16 8	..	1,941 15 2	..
15. Karkaroo ..	(A) 324,267 1 2	..	..	150 11 0	{ (A) 157,427 10 8 } { (B) 13,179 4 6 }	..	324,267 1 2	..	681 17 9	..	128,810 11 4	41,264 17 1
16. Kerang-North-West Lakes	(A) 4,072 7 11	..	..	0 0 11	{ (A) 2,762 11 1 } { (B) 83 3 9 }	..	4,072 7 11	..	219 2 5	..	1,795 2 11	831 10 5
17. Long Lake ..	(A) 184,000 18 2	..	863 12 9	3 4 10	{ (A) 150,685 14 2 } { (B) 28,289 10 10 }	..	184,000 18 2	863 12 9	1,927 17 5	..	155,747 6 7	22,303 5 10
18. Millewa ..	(A) 724,492 18 1	..	37,777 17 4	59 9 1	{ (A) 922,714 3 11 } { (B) 20,984 6 0 }	..	724,492 18 1	37,777 17 4	7,498 12 6	..	735,052 10 6	201,206 16 0

Note.—Waterworks Districts Balance-Sheets continued on next page.

DISTRICT BALANCE-SHEETS AS AT 30TH JUNE, 1954.

District.	Liabilities.					Assets.								
	Capital Borne by— (A) State. (B) District.	Redemption Account.	Depreciation Reserve Account.	Sundry Creditors.	Accumulated Deficiency Chargeable to— (A) State Account. (B) District Account.	Profit and Loss Account.		Works at Cost.	Depreciation Account.	Sundry Debtors.	Accumulated Surplus Credited to District Account.	Profit and Loss Account.		
						£	s. d.					Loss since 30th June, 1938.	Interest and Other Losses prior to 30th June, 1938, Borne by State. (Act No. 5017.)	
	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.
WATERWORKS DISTRICTS—continued.														
19. Ouyen	(A) 278,347	4 9	..	0 12 8	{ (A) 372,433 16 0 (B) 76,353 10 6 }	..	278,347	4 9	3,721 13 4	2,362 9 10	..	384,365 5 9	62,060 3 7	
20. Sea Lake	(A) 205,837	6 2	26 4 2	7 7 3	{ (A) 100,264 4 5 (B) 8,236 19 5 }	..	205,963	10 4	..	374 18 9	..	77,849 9 2	30,234 3 2	
21. Tyntynder	(A) 299,300	3 3	..	6 10 7	{ (A) 259,676 7 5 (B) 29,908 9 1 }	..	299,300	3 3	418 1 7	2,646 7 9	..	198,750 14 4	80,494 5 0	
22. Tyntynder North (formerly Coreena)	(A) 155,957	9 11	..	..	{ (A) 181,440 16 9 (B) 10,336 17 0 }	..	155,957	9 11	1,762 3 5	2,619 10 0	..	136,804 18 4	52,263 5 5
23. Tyrrell	(A) 252,536	19 6	..	20 10 0	{ (A) 316,598 10 6 (B) 15,805 16 7 }	..	252,536	19 6	208 4 6	2,435 4 2	..	274,875 8 4	55,064 4 7	
24. Tyrrell West	(A) 167,706	3 1	..	148 12 1	{ (A) 223,512 16 8 (B) 10,013 19 9 }	..	167,706	3 1	402 19 2	1,247 18 8	..	198,308 15 4	36,118 14 6	
25. Upper Western Wimmera	(A) 91,256	9 1	..	..	{ (A) 5,448 11 1 (B) 14,778 19 11 }	..	91,256	9 1	169 1 2	681 15 11	..	4,766 15 2	..
26. Upper Wimmera United	(A) 128,417	5 8	1,003 7 5	6 18 7	{ (A) 14,778 19 11 (B) 4,359 16 0 }	..	129,420	13 1	..	180 11 2	..	18,913 3 3	52 0 1	
27. Walpeup West	(A) 36,376	8 0	..	11 7 9	{ (A) 10,005 0 1 (B) 14,778 19 11 }	..	36,376	8 0	Cr. 1,338 13 3	1,140 5 5	..	678 15 6	8,197 6 11	
28. Wycheproof	(A) 247,492	18 11	1,148 11 7	20 18 10	{ (A) 66,902 17 4 (B) 4,504 1 10 }	..	248,641	10 6	..	279 4 7	..	34,099 17 0	37,048 16 5	
Totals	(A) 3,264,508	16 6	2,664 4 5	437 7 11	{ (A) 2,835,125 11 10 (B) 220,433 10 9 }	..	3,267,173	0 11	47,064 17 3	24,511 9 7	..	2,380,451 10 7	651,033 10 4	
Grand Totals	{ (A) 4,756,709 4 2 (B) 403,614 0 9 }		25,585 5 10	607 15 3	{ (A) 2,861,780 9 8 (B) 387,279 6 5 }	65,176 11 9	5,184,419	14 6	80,333 12 8	35,640 5 5	60,086 8 4	2,542,317 17 5	677,688 8 2	
													£8,581,086 6s. 6d.	

DISTRICT BALANCE-SHEETS AS AT 30TH JUNE, 1954.

District.	Liabilities.					Assets.						
	Capital Borne by— (A) State. (B) District.	Redemption Account.	Depreciation Reserve Account.	Sundry Creditors.	Accumulated Deficiency Chargeable to— (A) State Account. (B) District Account.	Profit and Loss Account. Gain.	Works at Cost.	Depreciation Account.	Sundry Debtors.	Accumulated Surplus Credited to District Account.	Profit and Loss Account.	
											Loss since 30th June, 1938.	Interest and Other Losses prior to 30th June, 1938, Borne by State. (Act No. 5017).
	£	£	£	£	£	£	£	£	£	£	£	£
URBAN DISTRICTS.												
1. Allansford ..	{ (A) 2,436 10 3 (B) 805 5 5 }	33 5 7	288 10 11	..	..	299 9 10	3,275 1 3	288 10 11	51 17 4	247 12 6	..	..
2. Antwerp ..	{ (A) 452 17 8 (B) 251 13 10 }	18 6 2	46 16 9	..	..	80 7 3	722 17 8	46 16 9	25 11 6	54 15 9	..	..
3. Barwon Heads and Ocean Grove ..	{ (A) 66,380 13 2 (B) 7,840 7 8 }	472 16 6	Dr. 3,190 13 4	12 10 3	..	3,809 19 5	74,693 17 4	Cr. 3,190 13 4	1,878 18 5	1,943 11 3	..	..
4. Berriwillock ..	{ (A) 7,793 1 8 (B) 3 5 5 }	25 5 0	77 11 4	2 18 2	{ (A) 216 18 8 (B) 578 8 2 }	..	7,821 5 0	77 11 4	72 9 9	..	509 3 8	216 18 8
5. Berwick ..	{ (A) 17,818 16 7 (B) 19,346 17 4 }	242 18 9	4,773 13 11	1 8 4	..	2,211 8 9	37,359 12 5	4,773 13 11	241 8 4	2,020 9 0	..	..
6. Birregurra ..	{ (A) 35,558 7 8 (B) .. }	..	603 19 6	1 19 3	(B) 727 17 11	..	35,558 7 8	603 19 6	291 3 10	..	438 13 4	..
7. Brim ..	{ (A) 9,140 2 4 (B) 332 8 6 }	48 7 3	105 9 7	8 1 9	(B) 441 4 3	..	9,512 10 9	105 9 7	88 0 6	..	369 12 10	..
8. Camperdown ..	{ (A) 49,479 18 11 (B) 53,642 5 7 }	2,411 5 10	11,265 17 3	0 12 9	(B) 146 2 3	283 3 2	105,533 10 4	11,265 17 3	429 18 2	..	..	..
9. Chelsea-Frankston ..	{ (A) 618,470 10 2 (B) 288,268 12 11 }	6,253 0 6	25,181 6 0	128 3 11	(A) 9,188 12 3	42,537 6 10	912,992 3 7	25,181 6 0	9,262 15 4	33,452 15 5	..	9,188 12 3
10. Cobden ..	{ (A) 15,072 16 8 (B) 12,555 15 3 }	589 17 9	2,724 9 11	14 2 0	(B) 729 9 9	..	28,218 9 8	2,724 9 11	246 11 6	..	497 0 3	..
11. Cranbourne ..	{ (A) 7,759 9 5 (B) 4,291 14 5 }	79 8 9	559 11 8	2 0 0	(A) 538 9 1	1,443 4 9	12,130 12 7	559 11 8	64 6 0	1,380 18 9	..	538 9 1
12. Culgoa ..	{ (A) 2,365 11 5 (B) 2,203 3 11 }	114 8 11	64 12 8	1 17 1	(B) 424 19 8	..	4,668 0 3	64 12 8	21 13 2	..	420 7 7	..
13. Dandenong-Springvale ..	{ (A) 111,885 16 9 (B) 659,308 9 8 }	7,647 6 1	31,090 3 4	34 16 6	(A) 3,601 18 7	65,190 19 2	778,131 6 8	31,090 3 4	9,466 12 11	56,469 8 7	..	3,601 18 7
14. Dimboola ..	{ (A) 7,169 10 10 (B) 12,647 4 6 }	538 4 11	1,157 17 5	6 0 11	..	1,920 16 0	20,355 0 3	1,157 17 5	1,535 1 1	391 15 10	..	..
15. Dromana-Portsea ..	{ (A) 102,769 11 4 (B) 284,946 8 10 }	1,571 14 3	27,548 17 11	48 14 4	..	42,789 2 5	369,237 14 5	27,548 17 11	5,863 15 2	36,974 1 7	..	..
16. Garvoc ..	{ (A) 51 4 8 (B) .. }	..	..	..	..	..	51 4 8	..	..	..	..	..
17. Jeparit ..	{ (A) 8,199 9 0 (B) 5,653 5 8 }	346 4 6	388 14 5	..	(B) 452 11 5	..	14,139 11 2	388 14 5	416 0 0	..	95 19 5	..
18. Longwarry ..	{ (A) 3,734 0 5 (B) 14,958 18 0 }	447 1 3	2,482 15	..	..	3,632 6 10	19,101 10 1	2,482 15 6	833 18 2	2,836 18 3	..	..
19. Marnoo ..	{ (A) 2,840 15 3 (B) 1,333 9 2 }	93 3 3	1,009 13 3	1 6 0	..	388 8 9	4,260 5 8	1,009 13 3	77 17 1	318 19 8	..	..
20. Merbein ..	{ (A) 20,615 10 0 (B) 3,997 0 11 }	364 8 0	1,239 3 3	4 15 5	{ (A) 510 10 1 (B) 2,199 17 7 }	..	24,955 12 8	1,239 3 3	595 9 11	..	1,630 9 4	510 10 1
21. Minyip ..	{ (A) 7,897 16 5 (B) 2,988 3 10 }	244 8 7	172 14 9	10 19 8	..	401 9 1	11,130 8 10	172 14 9	50 18 5	361 10 4	..	..
22. Mornington ..	{ (A) 46,441 12 11 (B) 141,033 14 6 }	2,532 2 7	7,398 1 7	98 15 0	..	14,191 12 6	190,007 10 0	7,398 1 7	1,787 19 11	12,502 7 7	..	..
23. Nar-Nar-Goon and Tynong ..	{ (A) 140 9 1 (B) .. }	..	..	..	..	..	140 9 1	..	..	..	..	..
24. Natimuk ..	{ (A) 875 5 8 (B) 4,057 19 0 }	177 12 5	1,260 14 11	..	(B) 551 6 4	..	5,018 12 5	1,260 14 11	154 2 2	..	489 8 10	..
25. Officer ..	{ (A) .. (B) .. }	..	..	..	..	..	..	..	..	..	..	..
26. Pakenham ..	{ (A) 2,742 7 4 (B) 24,024 3 2 }	541 6 11	3,995 17 4	1 6 8	..	7,064 4 8	27,246 11 0	3,995 17 4	1,451 1 2	5,675 16 7	..	..
27. Pimpino ..	{ (A) .. (B) .. }	..	..	0 1 6	(B) 3 2 4	..	..	..	2 1 0	..	1 2 10	..
28. Pyramid Hill ..	{ (A) 7,506 8 5 (B) 1,264 12 10 }	114 12 6	916 3 3	0 3 11	..	1,097 17 6	8,885 13 9	916 3 3	75 19 8	1,022 1 9	..	..

NOTE.—Urban District Balance-sheets continued on next page.

DISTRICT BALANCE-SHEETS AS AT 30TH JUNE, 1954.

District.	Liabilities.					Assets.						
	Capital Borne by— (A) State. (B) District.	Redemption Account.	Depreciation Reserve Account.	Sundry Creditors.	Accumulated Deficiency Chargeable to— (A) State Account. (B) District Account.	Profit and Loss Account. Gain.	Works at Cost.	Depreciation Account.	Sundry Debtors.	Accumulated Surplus Credited to District Account.	Profit and Loss Account.	
											Loss since 30th June 1938.	Interest and Other Losses prior to 30th June 1938, Borne by State. (Act No. 5017.)
	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.
URBAN DISTRICTS—continued.												
29. Queenscliff and Point	{(A) 124,361 6 9} (B) 16,030 0 10}	932 8 10	4,431 3 2	3 1 9	(B) 11,091 19 11	..	141,214 7 5	4,431 3 2	2,538 1 10	..	8,666 8 10	..
30. Rainbow	{(A) 4,224 19 7 (B) 7,437 10 10}	372 8 1	1,554 3 8	7 17 4	..	4,045 11 4	12,034 18 6	1,554 3 8	472 13 3	3,580 15 5	..	..
31. Rupanyup	{(A) 6,819 12 2 (B) 4,004 6 0}	248 15 6	798 1 7	3 7 7	..	364 10 2	11,162 13 8	798 1 7	217 19 11	149 17 10	..	..
32. Somerville	{(A) 4,314 3 4 (B) 4,501 1 3}	216 3 5	1,294 15 0	0 0 4	..	592 19 5	9,031 8 0	1,294 15 0	131 8 2	461 11 7	..	..
33. South Frankston	{(A) 31,420 3 0 (B) 45,373 11 6}	1,301 3 0	4,118 5 4	6 10 6	..	9,339 17 2	78,094 17 6	4,118 5 4	1,014 11 8	8,331 16 0	..	..
34. Terang	{(A) 34,320 0 6 (B) 27,629 18 8}	1,355 4 8	8,961 2 1	0 11 0	(B) 61 11 4	492 10 3	63,232 18 2	8,961 2 1	626 18 3	..	..	..
35. Watchem	{(A) 4,993 9 11 (B) 122 18 7}	39 5 5	406 13 5	0 2 0	{(A) 140 17 2 (B) 1,198 18 2}	..	5,154 1 11	406 13 5	3 16 7	..	1,196 15 7	140 17 2
Totals ..	{(A) 1,366,052 9 3 (B) 1,630,944 8 0}	29,372 15 2	142,726 7 4	402 3 11	{(A) 14,197 5 10 (B) 18,607 9 1}	202,227 5 3	3,025,123 4 4	142,726 7 4	39,991 0 2	168,177 3 8	14,315 2 6	14,197 5 10

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 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, 9th December, 1940, 23rd October, 1945, and 24th April, 1946, respectively, under the provisions of Section 6, *Water Act* 1937, No. 4313).

36. Anglesea	{(A) 15,998 7 3 (B) 28 15 8}	2 3 1	2,341 17 11	0 15 8	(A) 3,110 10 4	..	16,029 6 0	2,341 17 11	234 19 6	..	1,237 10 9	1,638 15 9
37. Beulah	{(A) 7,677 19 4 (B) 2 13 2}	10 5 8	818 16 8	1 6 6	(A) 870 16 11	..	7,690 18 2	818 16 8	333 19 7	..	391 5 8	96 18 2
38. Birchip	{(A) 16,333 17 7 (B) 2 297 3 3}	12 12 3	266 15 5	0 14 2	{(A) 3,714 10 0 (B) 564 5 4}	..	16,346 9 10	266 15 5	197 10 2	..	3,208 12 11	873 6 5
39. Bittern-Crib Point	{(A) 19,493 2 10 (B) 2,297 5 9}	151 16 0	2,573 1 3	0 17 4	(A) 1,833 11 6	..	21,918 7 4	2,573 1 3	788 15 9	..	1,069 7 10	..
40. Bunyip	{(A) 9,729 17 4 (B) 635 19 0}	31 9 3	2,731 2 7	..	(A) 474 1 9	2,283 2 6	10,564 5 6	2,731 2 7	253 2 6	2,054 6 10	..	474 1 9
41. Carwarp	{(A) 2,482 1 3 (B) 2,822 12 8}	..	182 3 3	..	{(A) 381 9 3 (B) 318 7 11}	294 14 10	635 19 0	182 3 3	994 12 0	..	..	..
42. Chillingollah	{(A) 81 16 0 (B) 24,725 10 0}	8 14 5	63 16 9	..	{(A) 576 9 2 (B) 682 4 6}	..	2,490 15 8	63 16 9	964 4 9	..	75 10 10	218 18 1
43. Chinkapook	{(A) 38 2 0 (B) 5,678 8 3}	..	193 12 3	..	{(A) 1,232 7 3 (B) 68 7 0}	..	2,822 12 8	193 12 3	112 18 0	..	1,050 1 0	157 15 3
44. Doon	{(A) 681 4 0 (B) 24,725 10 0}	0 8 5	229 16 10	..	(A) 130 15 9	5 4 3	698 7 5	229 16 10	5 16 3	..	..	130 4 9
45. Drysdale	{(A) 38 2 0 (B) 5,678 8 3}	8 14 7	1,553 4 5	1 8 8	(A) 440 6 6	323 16 9	24,771 17 0	1,553 4 5	439 5 5	..	..	326 16 1
46. Garfield	{(A) 649 5 0 (B) 20,662 9 3}	34 6 5	1,868 9 2	0 1 0	(A) 381 5 7	1,716 9 4	6,347 10 9	1,868 9 2	87 13 9	1,643 1 6	..	381 5 7
47. Hastings	{(A) 6 3 10 (B) 12,218 1 3}	12 2 0	3,021 9 3	1 6 5	(A) 972 14 8	..	20,680 15 1	3,021 9 3	228 7 1	..	297 0 3	448 13 9
48. Hopetoun	{(A) 23 15 4 (B) 4,611 19 2}	30 10 7	1,820 2 2	10 11 0	(A) 840 5 2	192 11 0	12,272 2 6	1,820 2 2	463 9 0	..	..	580 2 10
49. Jung Jung	{(A) 4,611 19 2 (B) 1 12 6}	..	840 10 7	..	{(A) 2,749 15 11 (B) 20 1 0}	..	4,613 11 8	840 10 7	91 19 11	..	2,137 14 1	540 2 11
50. Koondrook	{(A) 6,582 0 7 (B) 413 4 1}	..	413 4 1	0 18 10	{(A) 4,376 5 4 (B) 195 2 9}	..	6,582 0 7	413 4 1	481 1 4	..	3,682 8 4	408 17 3

DISTRICT BALANCE-SHEETS AS AT 30TH JUNE, 1954.

District.	Liabilities.						Assets.										
	Capital borne by State.	Redemption Account.	Depreciation Reserve Account.	Sundry Creditors.	Accumulated Deficiency Chargeable to		Profit and Loss Account.	Works at Cost.	Depreciation Account.	Sundry Debtors.	Accumulated Surplus Credited to District Account.	Profit and Loss Account.					
					(A) State Account.	(B) District Account.						Loss since 30th June, 1938, Borne by State. (Act No. 5017.)	Interest and Other Losses prior to 30th June, 1938.				
														Gain.			
	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.		
FLOOD PROTECTION DISTRICTS.																	
1. Cardinia ..	116,680	9	1	..	0	7	1	{(A) 3,303 19 2 (B) 21,381 11 3}	..	116,680	9	1	..	11,968	8	11	3,303 19 2
2. Kanyapella ..	3,888	11	10	64	4	2	..	1,699 3 0	..	3,952	16	0	51	3	2	1,647 19 10	..
3. Loch Garry ..	18,623	9	7	..	..	..	..	3,146 11 11	..	18,623	9	7	67	17	10	3,078 14 1	..
4. Lower Koo-wee-rup ..	402,846	3	3	..	8	10	2	{(A) 7,949 1 8 (B) 32,828 4 1}	..	402,846	3	3	919	15	5	31,916 18 10	7,949 1 8
Totals ..	542,088	13	9	64	4	2	8	17	3	542,102	17	11	..	43,885	7	9	11,253 0 10
												£612,420 6s. 3d.				£612,420 6s. 3d.	

DISTRICT BALANCE-SHEETS AS AT 30TH JUNE, 1954.

District.	Liabilities.					Assets.					
	Capital Borne by State.	Depreciation Reserve Account.	Sundry Creditors.	Accumulated Deficiency Chargeable to—	Profit and Loss Account.	Works at Cost.	Depreciation Account	Sundry Debtors.	Accumulated Surplus Credited to District Account.	Profit and Loss Account.	
				(A) State Account.						Gain.	Loss since 30th June, 1938, Borne by State. (Act No. 5017.)
				(B) District Account.							
£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	
1. Carrum	38,722 1 6	..	16 1 7	(B) 6,062 6 9	..	38,722 1 6	..	1,561 7 2	..	4,517 1 2	..
Totals	38,722 1 6	..	16 1 7	(B) 6,062 6 9	..	38,722 1 6	..	1,561 7 2	..	4,517 1 2	..
					£44,800 9s. 10d.						

DRAINAGE DISTRICT.

					£44,800 9s. 10d.						
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DRAINAGE DISTRICT.

STATEMENT OF REVENUE SETTING OUT ARREARS AS AT 1ST JULY, 1953, AND AS AT 30TH JUNE, 1954.

	Total.	Water Act 1940 (No. 4740), Sec. 3.		General Rate.		Irrigation Charge.		Drainage Rate.		Flood Protection Charge.		Sales of Water.		Mis- cellaneous.
		Consolidated Arrears.	Interest.	Rate.	Interest.	Charge.	Interest.	Rate.	Interest.	Charge.	Interest.	Sales.	Interest.	
	£	£	£	£	£	£	£	£	£	£	£	£	£	£
Arrears as at 1st July, 1953	219,077	27,360	1,965	43,179	6,588	14,197	1,035	2,992	364	1,276	105	114,343	658	5,015
Assessments 1953-54	1,316,005	..	..	598,951	..	633,841	..	59,265	..	23,948	..	..	..	..
Additional Water Sales, and Interest Charges to 30th June, 1954	519,079	..	208	..	3,067	..	1,661	..	246	..	93	370,844	874	142,086
Total Amount Collectable, 1953-54 ..	2,054,161	27,360	2,173	642,130	9,655	648,038	2,696	62,257	610	25,224	198	485,187	1,532	147,101
Deduct—														
(i) Revenue Collected 1953-54 ..	1,755,571	7,305	458	588,068	2,241	591,548	1,269	58,538	224	23,567	100	340,149	734	141,370
(ii) Credits Absorbed	4,852	86	..	1,518	1	306	..	19	..	26	..	532	1	2,363
Balance	293,738	19,969	1,715	52,544	7,413	56,184	1,427	3,700	386	1,631	98	144,506	797	3,368
Add—Amounts Overpaid	4,594	2	..	799	3	118	..	26	..	9	..	951	1	2,685
Total—Gross Arrears at 30th June, 1954	298,332	19,971	1,715	53,343	7,416	56,302	1,427	3,726	386	1,640	98	145,457	798	6,053
Deduct—Amounts recommended for Writing off 1953-54	37,110	188	340	3,974	200	31,530	8	107	3	56	7	359	13	325
BALANCE—Net Arrears as at 30th June, 1954	261,222	19,783	1,375	49,369	7,216	24,772	1,419	3,619	383	1,584	91	145,098	785	5,728

This Statement is subject to Audit and minor adjustments.

WATER SUPPLY WORKS DEPRECIATION ACCOUNTS AS AT 30TH JUNE, 1954.

District.	Balance at 1st July, 1953.	Amounts Paid into Account 1953-54.	Interest 1953-54.	Total.	Expenditure 1953-54.	Balance in Account at 30th June, 1954.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
IRRIGATION AND WATER SUPPLY DISTRICTS.						
Bacchus Marsh	688 15 9	169 0 0	17 4 5	875 0 2	..	875 0 2
Boort	2,593 5 7	1,109 4 9*	64 16 7	3,767 6 11	..	3,767 6 11
Calivil	665 10 9	210 0 0	16 12 9	892 3 6	..	892 3 6
Campaspe	273 7 6	135 0 0	6 16 8	415 4 2	..	415 4 2
Cohuna	4,071 13 10	1,850 0 0*	96 19 4	6,018 13 2	..	6,018 13 2
Deakin	1,300 1 0	642 0 0	32 10 0	1,974 11 0	..	1,974 11 0
Dingee	299 10 4	62 0 0	7 9 9	369 0 1	..	369 0 1
Fish Point	46 11 6	23 0 0	1 3 3	70 14 9	..	70 14 9
Katandra	395 16 1	92 0 0	9 17 11	497 14 0	..	497 14 0
Kerang	2,062 13 7	965 10 6*	51 11 4	3,079 15 5	..	3,079 15 5
Koondrook	2,780 6 6	1,373 0 0	69 10 2	4,222 16 8	..	4,222 16 8
Maffra-Sale	5,156 2 11	1,329 2 8*	128 18 1	6,614 3 8	..	6,614 3 8
Murray Valley	2,938 13 5	1,178 9 11*	73 9 4	4,190 12 8	..	4,190 12 8
Mystic Park	95 3 6	47 0 0	2 7 7	144 11 1	..	144 11 1
North Shepparton	1,095 16 0	299 0 0	27 7 11	1,422 3 11	..	1,422 3 11
Nyah (I. and W.S.)	13,097 7 3	1,472 0 0	327 8 8	14,896 15 11	4,368 5 0	10,528 10 11
Nyah (Drainage)	1,180 1 0	95 0 0	29 10 0	1,304 11 0	..	1,304 11 0
Red Cliffs-Merbein (I. and W.S.)	138,960 0 6	12,174 0 0	3,474 0 0	154,608 0 6	38,439 18 1	116,168 2 5
Red Cliffs-Merbein (Drainage)	24,998 9 5	1,416 0 0	624 19 3	27,039 8 8	..	27,039 8 8
Robinvale	31,021 0 8	5,716 0 0	775 10 6	37,512 11 2	6,764 7 7	30,748 3 7
Rochester	4,710 7 6	1,048 12 0*	117 15 2	5,876 14 8	..	5,876 14 8
Rodney	15,087 12 6	5,969 6 11*	377 3 10	21,434 3 3	..	21,434 3 3
Shepparton	3,109 3 1	636 7 2*	77 14 7	3,823 4 10	..	3,823 4 10
South Shepparton	172 2 6	162 0 0	12 10 7	675 15 10	..	675 15 10
Swan Hill (I. and W.S.)	9,089 12 8	1,117 14 6*	214 11 8	10,421 18 10	..	10,421 18 10
Swan Hill (Drainage)	3,224 17 8	213 0 0	80 12 5	3,518 10 1	..	3,518 10 1
Third Lake	172 2 6	85 0 0	4 6 1	261 8 7	..	261 8 7
Tongala-Stanhope	3,838 16 6	806 6 11*	95 19 5	4,741 2 10	..	4,741 2 10
Tragowel Plains	4,546 10 11	1,614 0 0	113 13 3	6,274 4 2	..	6,274 4 2
Tresco	969 19 9	433 0 0	24 5 0	1,427 4 9	Cr. 4 6 8	1,431 11 5
Werribee	2,312 13 5	318 0 0*	57 16 4	2,688 9 9	..	2,688 9 9
Totals	281,283 8 10	42,760 15 4*	7,014 11 10	331,058 16 0	49,568 4 0	281,490 12 0

* Direct Contributions to Depreciation Fund—Boort, £242 4s. 9d.; Cohuna, £11; Kerang, £25 10s. 6d.; Maffra-Sale, £15 2s. 8d.; Murray Valley, £437 9s. 11d.; Rochester, £59 12s.; Rodney, £326 6s. 11d.; Shepparton, £66 7s. 2d.; Swan Hill Irrigation, £112 14s. 6d.; Tongala-Stanhope, £12 6s. 11d.; Werribee, £42.

URBAN DIVISIONS OF IRRIGATION AND WATER SUPPLY DISTRICTS.

Cohuna	1,665 11 3	99 0 0	41 12 10	1,806 4 1	494 4 1	1,312 0 0
Corop	116 10 6	6 0 0	2 18 3	125 8 9	..	125 8 9
Dingee	175 17 5	14 0 0	4 7 11	194 5 4	..	194 5 4
Heyfield	893 9 11	115 0 0	22 6 9	1,030 16 8	..	1,030 16 8
Leitchville	206 5 2	45 0 0	5 3 2	256 8 4	..	256 8 4
Lockington	897 4 10	61 0 0	22 8 7	980 13 5	..	980 13 5
Macorna	97 17 5	26 0 0	2 8 11	126 6 4	..	126 6 4
Murrabit	574 14 10	33 0 0	14 7 5	622 2 3	..	622 2 3
Red Cliffs	478 2 0	193 0 0	11 19 1	683 1 1	..	683 1 1
Robinvale	490 3 2	161 0 0	12 5 1	663 8 3	1 6 9	662 1 6
Stanhope	717 4 8	35 0 0	17 18 7	770 3 3	..	770 3 3
Tallygaroopna	196 9 4	47 6 3	4 18 3	248 13 10	..	248 13 10
Totals	6,509 10 6	835 6 3	162 14 10	7,507 11 7	495 10 10	7,012 0 9

WATERWORKS DISTRICTS.

Bellarine Peninsula	Dr. 21,112 7 1	1,158 0 0	Dr. 527 16 2	Dr. 20,482 3 3	..	Dr. 20,482 3 3
Harcourt	218 9 9	25 0 0	5 9 3	248 19 0	..	248 19 0
Hindmarsh	2,873 17 11	139 0 0	66 19 4	3,079 17 3	..	3,079 17 3
Long Lake	624 10 8	175 0 0	15 12 3	815 2 11	Cr. 48 9 10	863 12 9
Millewa	58,175 16 10	4,472 0 0	1,454 7 11	64,102 4 9	26,324 7 5	37,777 17 4
Mornington Peninsula	8,167 8 7	1,137 0 0	204 3 8	9,508 12 3	221 11 8	9,287 0 7
Normanville	845 17 7	205 0 0	21 3 2	1,072 0 9	..	1,072 0 9
Otway	31,613 7 7	1,924 0 0	790 6 8	34,327 14 3	..	34,327 14 3
Ouyen	3,447 9 7	188 0 0	86 3 9	3,721 13 4	..	3,721 13 4
Tyntynder	387 7 11	21 0 0	9 13 8	418 1 7	..	418 1 7
Tyntynder North	1,602 2 4	120 0 0	40 1 1	1,762 3 5	..	1,762 3 5
Tyrrell	161 3 11	43 0 0	4 0 7	208 4 6	..	208 4 6
Tyrrell West	499 10 3	40 0 0	12 9 9	552 0 0	149 0 10	402 19 2
Upper Western Wimmera	169 1 2	..	..	169 1 2	..	169 1 2
Walpeup West	Dr. 1,546 9 1	260 0 0	Dr. 38 13 2	Dr. 1,325 2 3	13 11 0	Dr. 1,338 13 3
Western Wimmera	8,038 4 4	595 0 0	200 19 1	8,834 3 5	246 12 8	8,587 10 9
Wimmera United	5,142 16 1	193 0 0	128 11 5	5,464 7 6	4,987 15 2	476 12 4
Totals	99,308 8 4	10,695 0 0	2,473 12 3	112,477 0 7	31,894 8 11	80,582 11 8

URBAN DISTRICTS OF WATERWORKS DISTRICTS.

Allansford	261 19 11	20 0 0	6 11 0	288 10 11	..	288 10 11
Anglesea	2,192 1 10	95 0 0	54 16 1	2,341 17 11	..	2,341 17 11
Antwerp	43 17 4	2 0 0	0 19 5	46 16 9	..	46 16 9
Barwon Heads and Ocean Grove	Dr. 3,639 13 6	540 0 0	Dr. 90 19 10	Dr. 3,190 13 4	..	Dr. 3,190 13 4
Berriwillock	89 0 2	16 0 0	2 4 6	107 4 8	29 13 4	77 11 4
Berwick	4,617 4 8	258 0 0	115 8 7	4,990 13 3	216 19 4	4,773 13 11
Beulah	776 8 6	23 0 0	19 8 2	818 16 8	..	818 16 8
Birchip	265 5 6	84 0 0	6 12 7	355 18 1	89 2 8	266 15 5

WATER SUPPLY WORKS DEPRECIATION ACCOUNTS AS AT 30TH JUNE, 1954—continued.

District.	Balance at 1st July, 1953.			Amounts Paid into Account 1953-54.			Interest 1953-54.			Total.			Expenditure 1953-54.			Balance in Account at 30th June, 1954.		
	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.
URBAN DISTRICTS OF WATERWORKS DISTRICTS—continued.																		
Birregurra	487	15	7	104	0	0	12	3	11	603	19	6	..	..	..	603	19	6
Bittern-Crib Point	2,317	2	8	198	0	0	57	18	7	2,573	1	3	..	..	..	2,573	1	3
Brim	619	10	10	31	0	0	15	0	11	665	11	9	560	2	2	105	9	7
Bunyip	2,559	3	0	108	0	0	63	19	7	2,731	2	7	..	..	..	2,731	2	7
Camperdown	10,368	12	11	638	0	0	259	4	4	11,265	17	3	..	..	..	11,265	17	3
Carwarp	173	1	0	6	0	0	3	2	3	182	3	3	..	..	..	182	3	3
Chelsea-Frankston	36,973	4	2	3,732	0	0	924	6	7	41,629	10	9	16,448	4	9	25,181	6	0
Chillingollah	54	9	7	8	0	0	1	7	2	63	16	9	..	..	..	63	16	9
Chinkapook	181	19	10	8	0	0	3	12	5	193	12	3	..	..	..	193	12	3
Cobden	2,506	16	6	155	0	0	62	13	5	2,724	9	11	..	..	..	2,724	9	11
Coliban	39,938	4	5	7,691	0	0	998	9	1	48,627	13	6	17,614	12	11	31,013	0	7
Cranbourne	477	12	10	70	0	0	11	18	10	559	11	8	..	..	..	559	11	8
Culgoa	71	2	4	18	0	0	1	15	7	90	17	11	26	5	3	64	12	8
Dandenong-Springvale	31,416	12	7	3,529	0	0	785	8	4	35,731	0	11	4,640	17	7	31,090	3	4
Dimboola	1,398	4	10	155	0	0	34	19	2	1,588	4	0	430	6	7	1,157	17	5
Dooen	213	10	1	11	0	0	5	6	9	229	16	10	..	..	..	229	16	10
Dromana-Portsea	24,972	15	4	2,011	0	0	624	6	5	27,608	1	9	59	3	10	27,548	17	11
Drysdale	1,349	9	8	170	0	0	33	14	9	1,553	4	5	..	..	..	1,553	4	5
Garfield	1,780	18	8	43	0	0	44	10	6	1,868	9	2	..	..	..	1,868	9	2
Hastings	2,772	3	2	180	0	0	69	6	1	3,021	9	3	..	..	..	3,021	9	3
Hopetoun	1,886	11	11	61	0	0	47	3	3	1,994	15	2	174	13	0	1,820	2	2
Jeparit	600	3	1	39	0	0	15	0	1	654	3	2	265	8	9	388	14	5
Jung Jung	788	9	11	45	0	0	19	14	3	853	4	2	12	13	7	840	10	7
Koondrook	556	14	9	64	0	0	13	18	4	634	13	1	221	9	0	413	4	1
Lake Boga	505	1	4	68	0	0	12	12	6	585	13	10	..	..	..	585	13	10
Lalbert	461	17	5	42	0	0	11	10	11	515	8	4	..	..	..	515	8	4
Lascelles	69	18	1	21	0	0	1	14	11	92	13	0	..	..	..	92	13	0
Longwarry	2,277	16	7	148	0	0	56	18	11	2,482	15	6	..	..	..	2,482	15	6
Manangatang	0	13	9	33	0	0	0	0	4	33	14	1	2	9	7	31	4	6
Marong	750	3	3	39	0	0	18	15	1	807	18	4	..	..	..	807	18	4
Marnoo	956	14	0	33	0	0	19	19	3	1,009	13	3	..	..	..	1,009	13	3
Merbein	1,075	5	7	137	0	0	26	17	8	1,239	3	3	..	..	..	1,239	3	3
Merungur	55	2	5	13	0	0	1	7	7	69	10	0	..	..	..	69	10	0
Minyip	169	19	2	75	0	0	4	5	0	249	4	2	76	9	5	172	14	9
Mitiamo	352	15	8	39	0	0	8	16	5	400	12	1	..	..	..	400	12	1
Mornington	10,464	8	0	1,194	0	0	261	12	2	11,920	0	2	4,521	18	7	7,398	1	7
Nandaly	62	14	8	9	0	0	1	11	5	73	6	1	..	..	..	73	6	1
Natimuk	1,181	4	4	50	0	0	29	10	7	1,260	14	11	..	..	..	1,260	14	11
Newstead	985	16	7	51	0	0	24	12	11	1,061	9	6	..	..	..	1,061	9	6
Nullawil	70	17	11	10	0	0	1	15	5	82	13	4	2	17	0	79	16	4
Nyah	532	15	6	31	0	0	13	6	5	577	1	11	167	3	3	409	18	8
Nyah West	2,551	7	1	116	0	0	63	15	8	2,731	2	9	14	16	1	2,716	6	8
Ouyen	Dr. 826	2	5	111	0	0	Dr. 20	13	1	Dr. 735	15	6	..	..	..	Dr. 735	15	6
Pakenham	3,730	12	0	172	0	0	93	5	4	3,995	17	4	..	..	..	3,995	17	4
Patchewollock	134	8	7	17	0	0	3	7	2	154	15	9	Cr. 9	6	0	164	1	9
Piangil	57	1	9	52	0	0	1	8	7	110	10	4	..	..	..	110	10	4
Portarlington	3,374	11	2	302	0	0	84	7	3	3,760	18	5	..	..	..	3,760	18	5
Pyramid Hill	855	15	4	39	0	0	21	7	11	916	3	3	..	..	..	916	3	3
Quambatook	552	11	9	43	0	0	13	16	3	609	8	0	..	..	..	609	8	0
Queenscliff and Point Lonsdale	3,269	8	6	1,080	0	0	81	14	8	4,431	3	2	..	..	..	4,431	3	2
Rainbow	1,469	8	11	48	0	0	36	14	9	1,554	3	8	..	..	..	1,554	3	8
Rupanyup	891	0	8	57	0	0	22	5	6	970	6	2	172	4	7	798	1	7
Sea Lake	1,060	7	0	75	0	0	26	10	2	1,161	17	2	503	13	6	658	3	8
Somerville	1,185	2	5	80	0	0	29	12	7	1,294	15	0	..	..	..	1,294	15	0
South Frankston	5,360	5	9	511	0	0	134	0	2	6,005	5	11	1,887	0	7	4,118	5	4
Speed	178	5	6	19	0	0	4	9	2	201	14	8	114	16	7	86	18	1
Tempy	21	12	8	17	0	0	0	10	10	39	3	6	..	..	..	39	3	6
Terang	8,248	17	8	506	0	0	206	4	5	8,961	2	1	..	..	..	8,961	2	1
Torquay	1,926	6	6	113	0	0	48	3	2	2,087	9	8	..	..	..	2,087	9	8
Ultima	133	8	0	36	0	0	3	6	8	172	14	8	37	9	8	135	5	0
Waitchie	341	2	9	18	0	0	8	10	7	367	13	4	..	..	..	367	13	4
Walpeup	123	8	0	13	0	0	3	1	8	139	9	8	..	..	..	139	9	8
Watchem	362	12	2	35	0	0	9	1	3	406	13	5	..	..	..	406	13	5
Werrimull	409	1	3	42	0	0	10	4	6	461	5	9	..	..	..	461	5	9
Wonthaggi	8,942	19	3	414	0	0	223	11	6	9,580	10	9	..	..	..	9,580	10	9
Woomelang	953	0	2	65	0	0	23	16	6	1,041	16	8	156	15	8	885	1	0
Woorinen	344	13	2	16	0	0	7	13	4	368	6	6	..	..	..	368	6	6
Wycheproof	2,301	1	9	143	0	0	57	10	7	2,501	12	4	324	19	7	2,176	12	9
Yaapeet	122	3	8	18	0	0	3	1	1	143	4	9	..	..	..	143	4	9
Totals	237,118	9	4	26,264	0	0	5,920	6	9	269,302	16	1	48,763	0	10	220,539	15	3
BUILDINGS.																		
Buildings	37,591	5	0	10,000	0	0	939	15	8	48,531	0	8	999	1	4	47,531	19	4
Totals	37,591	5	0	10,000	0	0	939	15	8	48,531	0	8	999	1	4	47,531	19	4
PLANT WORKSHOPS.																		
Bendigo	6,879	10	9	1,320	0	0	171	19	9	8,371	10	6	..	..	..	8,371	10	6
Kerang Sub-Depot .. .. .	..	..	..	92	0	0	..	..	..	92	0	0	..	..	..	92	0	0
Totals	6,879	10	9	1,412	0	0	171	19	9	8,463	10	6	..	..	..	8,463	10	6
Grand Total	668,690	12	9	91,967	1	7	16,683	1	1	777,340	15	5	131,720	5	11	645,620	9	6

Water Supply Works Depreciation Fund (in Treasury).

	£	s.	d.	£	s.	d.
Credit Balance as at 30th June,						
1953	30,546	9	6			
Investments redeemed, 1953-54	120,000	0	0			
Paid by Commission direct to Fund, 1953-54	1,350	15	4			
Amount transferred to Fund by Treasury, 1953-54	561,958	8	9			
Interest earned in Investment Account; 1953-54	2,672	8	1			
				716,528	1	8
Less—	£	s.	d.			

<i>Less—</i>	£	s.	d.
Expenditure			
1953-54 ..	131,720	5	11
Amount Invested by Treasury 1953-54 ..			
	<hr/>	131,720	5 11

Credit Balance as at 30th June, 1954 ..	584,807	15	9
Amount at credit of Sundry Investment Account ..			
Amount credited to Account in Commission's books — not credited to Fund by Treasury at 30th June, 1954 ..	471,342	2	6

Add Amount paid to Revenue				
1953-54	..	..	..	90,616 6 3
				<hr/>
				561,958 8 9

Less Amount transferred to			
Fund by Treasury 1953-54 ..	561,958	8	9

<i>Add—</i>	£	<i>s.</i>	<i>d.</i>
Total Interest credited to Account in Commission books at 30th June, 1954	132.561	19	7

Less—				
Amount credited to Fund by Treasury at 30th June, 1954 ..	71,749	5	10	
	<hr/>			60,812 13 9

Amount not credited to Fund by Treasury at 30th June, 1954	60,812 13 9
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645,620 9 6

645,620 9 6

SUMMARY OF OPERATING TRANSACTIONS FOR YEAR ENDED 30TH JUNE, 1954.

	£	s.	d.	£	s.	d.		£	s.	d.	£	s.	d.
Balance as at 1st July, 1953 ..	..			145,495	9	5	Interest due for year paid to Revenue No. 2 to 30th June, 1954 .. ..	..			45,164	8	2
Amounts charged on moneys authorized for carrying out construction and maintenance of Commission works on which plant and machinery were engaged with respect to Capital Liability of £1,511,083 14s. 2d. as at 30th June, 1954 ..	..						Redemption paid to Revenue No. 9 Miscellaneous to 30th June, 1954 .. ..	..			3,763	14	0
Interest	31,311	16	4				Water Supply Plant and Machinery Depreciation Fund Investment in Treasury ..	76,257	1	5			
Redemption	2,525	19	7				Interest on Fund Investment ..	15,264	3	9	91,521	5	2
Depreciation	76,226	13	5										
Cost of Operation, Maintenance, Repairs (including Holding Charges)	438,551	1	5	548,615	10	9	Cost of operation Maintenance and Repairs, &c. .. ..	..			201,872	14	6
							Plant and Machinery Operating Account Reserve as at 30th June, 1954 .. ..	..			367,053	2	1
Interest—Depreciation Fund Investment .. ..	..			15,264	3	9							
				709,375	3	11					709,375	3	11

WATER SUPPLY PLANT AND MACHINERY ACCOUNT (ACT 4761).

SUMMARY OF CAPITAL TRANSACTIONS FOR YEAR ENDED 30TH JUNE, 1954.

						£	s.	d.	£	s.	d.
Plant and Machinery—											
Debit Balance in Account as at 30th June, 1953	..	..	..	..	..	1,496,112	16	1			
Add—Purchases of Plant during year 1953–54	..	..	..	..	..	38,884	0	7			
									1,534,996	16	8
Deduct—											
Redemption paid to Treasury 30th June, 1954	..	..	..	..	..	3,763	14	0			
Repayments to State Loans Repayment Fund	..	..	..	..	..	20,149	8	6			
									23,913	2	6
Total Capital Liability	..	..	..	..	..				1,511,083	14	2

Note.—Interest paid to Treasury in respect to Capital Liability of Plant and Machinery Account—

						£	<i>s.</i>	<i>d.</i>
Plant and Machinery—								
Payments to 30th June, 1953 .. .. .	..	..	..	..	..	207,053	1	1
Amount due and paid for year 1953-54 .. .. .	..	..	..	..	..	45,164	8	2
						252,217	9	3

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

Water Supply Plant and Machinery Depreciation Account.

*Water Supply Plant and Machinery Depreciation Fund
(in Treasury).*

	£	s.	d.	£	s.	d.	(As Treasury)	£	s.	d.	£	s.	d.
Credit Balance as at 30th June, 1953				511,830	2	9	Balance as per Treasury General Account at 30th June, 1953				163,830	2	9
Add—							Payments to Fund during 1953–54	76,257	1	5			
Proceeds from Hire of Plant	76,257	1	5				Interest credited by Treasury on Investments for year 1953–54	15,264	3	9	91,521	5	2
											255,351	7	11
Add Interest credited for year 1953–54	15,264	3	9				Less Withdrawal for replacement of plant	41,527	11	7			
	91,521	5	2				Less Amount transferred by Treasury to Investment Account, 1953–54	120,000	0	0	161,527	11	7
Less Expenditure for replacement of Plant	41,527	11	7	49,993	13	7							
							Balance as per Treasury General Account at 30th June, 1954				93,823	16	4
							Amount Invested in Treasury Investment Account				468,000	0	0
											561,823	16	4
				561,823	16	4							

CAPITAL EXPENDITURE.

STATEMENT OF MONEYS EXPENDED UNDER WATER SUPPLY LOAN ACTS FOR THE YEAR ENDED
30TH JUNE, 1954.

Works.	Water Supply Loan Funds.					
	Act 5661.		Act 5748.		Total.	
	£	s. d.	£	s. d.	£	s. d.
<i>Main Supply Works, Stores, and Workshops.</i>						
Bonnie Doon, Removal of Township	12,089	18 2	24,391	18 9	36,481	16 11
Cairn Curran Reservoir	3,046	8 3	192,608	11 3	195,654	19 6
Central Plant Workshops—Golden Square	2,858	2 10	3,438	6 10	6,296	9 8
Commission Buildings	549	6 5	129	9 6	678	15 11
East Goulburn Main Channel	1,278	5 0	1,576	1 2	2,854	6 2
Eildon Reservoir Enlargement	1,661,421	19 4	3,918,659	1 1	5,580,081	0 5
Glenelg River Works to Wimmera—Mallee Section	Cr. 8,363	0 1	3,956	19 11	Cr. 4,406	0 2
Glenmaggie Reservoir	624	7 6	1,413	0 6	2,037	8 0
Goulburn—Waranga Channel Duplication	130,584	13 6	314,329	6 1	444,913	19 7
Goulburn, System Enlargement Investigation	3,138	0 5	5,360	9 2	8,498	9 7
Hallam—East Dandenong Pipe Line	228	17 11	32,864	0 10	33,092	18 9
Hepburn's Lagoon .. .. .	..	..	280	17 1	280	17 1
Kow Swamp Works	407	0 2	2,671	1 7	3,078	1 9
Little Murray Weir .. .. .	..	..	541	18 4	541	18 4
Loddon River Works	7	0 7	14	7 2	21	7 9
Loddon Weir	166	7 0	8,058	1 2	8,224	8 2
Melton Reservoir	36	9 1	269	16 6	306	5 7
Plant and Machinery	Cr. 11,382	11 10	50,266	12 5	38,884	0 7
River Murray Agreement Works	50,000	0 0	150,000	0 0	200,000	0 0
Rocklands Outlet Channel	65,469	5 2	16,545	4 8	82,014	9 10
Rocklands Reservoir	Cr. 68,024	15 11	29,671	1 6	Cr. 38,353	14 5
Survey and Investigations	5,373	17 10	44,136	14 5	49,510	12 3
Tarago Offtake and Main Race	294	12 9	91,422	4 0	91,716	16 9
Toolondo Outlet Channel	3,020	13 11	15,288	19 5	18,309	13 4
Toolondo Reservoir	13	13 10	583	16 5	597	10 3
Torrumbarry System	Cr. 2	18 10	43,077	0 6	43,074	1 8
Waranga Western Main Channel Enlargement	6	15 0	22	4 3	28	19 3
Werribee Hydraulic Research Station	634	12 4	394	8 9	1,029	1 1
Wimmera Storages	4	9 0	108	13 4	113	2 4
<i>Irrigation and Water Supply Districts.</i>						
Bacchus Marsh	42	3 2	3	10 0	45	13 2
Boort	606	14 4	636	19 6	1,243	13 10
Calivil .. .. .	..	..	115	15 11	115	15 11
Campaspe	3	9 8	5	2 1	8	11 9
Central Gippsland	39,980	2 6	156,883	5 4	196,863	7 10
Cohuna	594	0 4	1,372	19 9	1,967	0 1
Deakin	76	5 1	54	11 10	130	16 11
Dingee .. .. .	..	..	509	14 11	509	14 11
Fish Point	138	12 1	545	5 1	683	17 2
Katandra .. .. .	..	..	27	19 4	27	19 4
Kerang	286	7 2	2,254	11 11	2,540	19 1
Koondrook	82	13 2	650	15 5	733	8 7
Maffra—Sale	2,679	14 9	6,330	14 7	9,010	9 4
Murray Valley	35,867	6 5	118,133	4 7	154,000	11 0
Mystic Park	2	7 2	84	0 1	86	7 3
North Shepparton .. .. .	..	..	1,979	15 5	1,979	15 5
Nyah	88	10 9	81	16 1	170	6 10
Red Cliffs—Merbein	3,982	10 8	13,513	0 0	17,495	10 8
Robinvale	4,615	2 4	101,036	6 9	105,651	9 1
Rochester	82	17 9	1,373	7 3	1,456	5 0
Rodney	3,454	15 5	8,541	2 9	11,995	18 2
Shepparton .. .. .	..	..	2,728	5 0	2,728	5 0
South Shepparton .. .. .	..	..	23	15 1	23	15 1
Swan Hill	118	9 6	5,141	2 7	5,259	12 1
Third Lake	2	17 0	79	12 9	82	9 9
Tongala—Stanhope	1,123	15 5	4,663	7 2	5,787	2 7
Tragowel Plains	1,703	18 3	7,706	12 8	9,410	10 11
Tresco	2,016	17 10	263	10 11	2,280	8 9
Werribee	0	14 6	8,708	18 1	8,709	12 7
<i>Urban Divisions of Irrigation and Water Supply Districts.</i>						
Cohuna .. .. .	..	..	2,430	10 2	2,430	10 2
Dingee .. .. .	..	..	183	2 5	183	2 5
Heyfield	31	7 0	3,674	1 11	3,705	8 11
Lockington	25	15 0	2	3 4	27	18 4
Murrabit .. .. .	..	..	17	15 2	17	15 2
Red Cliffs	Cr. 1,775	17 10	738	2 0	Cr. 1,037	15 10
Robinvale	376	0 9	494	13 10	870	14 7
Tallygaroopna	12	3 3	4	4 9	16	8 0
Carried forward	1,949,701	2 9	5,403,074	3 0	7,352,775	5 9

CAPITAL EXPENDITURE—continued.

STATEMENT OF MONEYS EXPENDED UNDER WATER SUPPLY LOAN ACTS FOR THE YEAR ENDED
30TH JUNE, 1954—continued.

Works.	Water Supply Loan Funds.					
	Act 5661.		Act 5748.		Total.	
	£	s. d.	£	s. d.	£	s. d.
Brought forward	1,949,701	2 9	5,403,074	3 0	7,352,775	5 9
<i>Waterworks Districts.</i>						
Axe Creek	0	0 1	7 10 2		7 10 3	
Bellarine Peninsula (including Headworks)	1,577	5 9	37,352 17 3		38,930 3 0	
Birchip	97	7 2	657 6 0		754 13 2	
Harcourt	0	0 5	26 5 9		26 6 2	
Hindmarsh	6	16 4	4 3 0		10 19 4	
Karkaroc	589	7 8	839 12 1		1,428 19 9	
Kerang-North-West Lakes	0	8 11	2 1 3		2 10 2	
Loddon			3 1 5		3 1 5	
Long Lake	61	12 4	564 12 8		626 5 0	
Millewa	1,070	0 1	1,050 9 6		2,120 9 7	
Mornington Peninsula (including Headworks)	15,987	15 0	78,666 17 10		94,654 12 10	
Otway	1,654	8 9	4,193 8 8		5,847 17 5	
Ouyen	378	19 4	55 11 1		434 10 5	
Sea Lake	144	17 11	1,193 10 9		1,338 8 8	
Tyntynder	93	2 10	130 0 5		223 3 3	
Tyntynder North	460	2 6	651 18 8		1,112 1 2	
Tyrrell	591	7 3	1,206 5 0		1,797 12 3	
Tyrrell West	402	0 0	562 14 9		964 14 9	
Upper Western Wimmera	25	10 10	16 0 11		41 11 9	
Upper Wimmera United	12	4 1	1,250 3 4		1,262 7 5	
Walpeup West	106	15 6	187 7 6		294 3 0	
Werribee			0 10 0		0 10 0	
Western Wimmera	1,012	2 4	195 9 9		1,207 12 1	
Wimmera United	240	19 5	2,116 5 6		2,357 4 11	
Wycheproof	168	9 6	1,139 10 10		1,308 0 4	
Wychitella	24	9 1	1,315 6 6		1,339 15 7	
<i>Urban Districts of Waterworks Districts.</i>						
Allansford	19	18 1	31 5 5		51 3 6	
Barwon Heads and Ocean Grove	18	10 7	93 14 1		112 4 8	
Berwick	Cr. 25	17 1	132 15 9		106 18 8	
Beulah			3 18 8		3 18 8	
Birchip			192 1 7		192 1 7	
Bittern-Crib Point	Cr. 15	10 5	79 10 5		64 0 0	
Brim	60	0 0	21 14 10		81 14 10	
Bunyip	Cr. 15	17 9	47 19 4		32 1 7	
Camperdown	497	17 9	542 0 10		1,039 18 7	
Chelsea-Frankston	1,546	14 1	11,404 3 5		12,950 17 6	
Chinkapook			6 0 0		6 0 0	
Cobden	100	15 4	176 13 6		277 8 10	
Coliban	9,408	15 8	57,786 16 0		67,195 11 8	
Cranbourne	31	16 9	59 7 11		91 4 8	
Culgoa			202 2 3		202 2 3	
Dandenong-Springvale	1,083	18 3	17,711 19 9		18,795 18 0	
Dimboola			59 11 8		59 11 8	
Dromana-Portsea	Cr. 215	2 11	4,551 4 8		4,336 1 9	
Drysdale	24	15 6	7 10 2		32 5 8	
Garfield	Cr. 10	16 7	39 14 7		28 18 0	
Hastings	Cr. 20	14 9	55 19 8		35 4 11	
Hopetoun	2	12 3	1,381 9 3		1,384 1 6	
Jeparit			211 0 4		211 0 4	
Koondrook	17	12 0	60 10 2		78 2 2	
Lake Boga			335 13 5		335 13 5	
Longwarry	Cr. 27	18 6	81 15 10		53 17 4	
Manangatang	63	11 0	304 16 1		368 7 1	
Marnoo			20 19 2		20 19 2	
Marong	0	0 1	3 4 3		3 4 4	
Merbein	10	0 0	191 0 4		201 0 4	
Minyip			324 18 2		324 18 2	
Mornington	Cr. 145	8 4	804 0 5		658 12 1	
Nandaly			6 0 0		6 0 0	
Nullawil			31 15 2		31 15 2	
Nyah	0	6 5			0 6 5	
Ouyen			695 5 6		695 5 6	
Pakenham	Cr. 56	16 10	248 15 6		191 18 8	
Piangil			30 0 9		30 0 9	
Portarlington	37	3 0	14 16 7		51 19 7	
Pyramid Hill	145	17 11	1,501 2 9		1,647 0 8	
Quambatook			79 16 11		79 16 11	
Queenscliff-Point Lonsdale	11	9 6	104 14 6		116 4 0	
Carried forward	1,986,954	16 10	5,636,101 3 2		7,623,056 0 0	

CAPITAL EXPENDITURE—continued.

STATEMENT OF MONEYS EXPENDED UNDER WATER SUPPLY LOAN ACTS FOR THE YEAR ENDED
30TH JUNE, 1954—continued.

Works.	Water Supply Loan Funds.					
	Act 5661.		Act 5748.		Total.	
	£	s. d.	£	s. d.	£	s. d.
Brought forward	1,986,954	16 10	5,636,101	3 2	7,623,056	0 0
<i>Urban Districts of Waterworks Districts—continued.</i>						
Rainbow	0	3 7	128	4 10	128	8 5
Rupanyup .. .. .	..	..	78	7 10	78	7 10
Somerville	9	15 1	32	0 1	41	15 2
South Frankston	3,109	4 4	2,822	0 11	5,931	5 3
Terang	226	3 10	424	16 11	651	0 9
Torquay	26	8 0	1,533	17 10	1,560	5 10
Ultima	22	15 5	1	18 4	24	13 9
Walpeup .. .. .	..	..	23	16 8	23	16 8
Wonthaggi	3	0 2	71	6 4	74	6 6
Wycheproof	83	9 0	473	4 10	556	13 10
<i>Drainage District.</i>						
Carrum	2,335	0 4	2,564	19 4	4,899	19 8
<i>Flood Protection Districts.</i>						
Cardinia	0	5 6	559	6 8	559	12 2
Lower Koo-wee-rup	1,234	2 0	14,044	18 7	15,279	0 7
Loch Garry .. .. .	..	..	1	10 8	1	10 8
<i>Works under General Supervision of Commission.</i>						
Waterworks Trusts and Local Governing Bodies	122,984	0 10	354,032	8 9	477,016	9 7
River Improvement Trusts	6,419	2 2	69,157	15 4	75,576	17 6
Latrobe Valley Drainage	3	18 0	270,101	3 7	270,105	1 7
Totals	2,123,412	5 1	6,352,153	0 8	8,475,565	5 9

COUNTRY SEWERAGE AUTHORITIES.

	£	s.	d.
Country Sewerage Loan and Application Act 5256—Expenditure for year ended 30th June, 1954	750	0	0
Country Sewerage Loan Application Act 5746—Expenditure for year ended 30th June, 1954	95,231	14	10
	95,981	14	10

LOAN CAPITAL ACCOUNTS

LOAN CAPITAL ACCOUNTS.

WORKS UNDER CONTROL OF COMMISSION.

The following statement gives a brief description, summary of Loan Capital expenditure under Loan Application Acts, and other particulars relative to the undermentioned works:—

A.—CAPITAL WORKS AND CHARGES.

	Capital Charges Borne by Districts and Works.		Capital Charges Borne by the State Account.		Total.		Totals at 30th June, 1954.	
	£	s. d.	£	s. d.	£	s. d.	£	s. d.
Geelong (inclusive of Loan Flotation Expenses)	164,152	5 5	164,152	5 5	..	..
Epinalock Reservoir	119,032	5 7	119,032	5 7	..	..
Goulburn Levees	30,797	0 4	30,797	0 4	..	..
Torrumbarry System (excluding Weir)	57,218	12 10	57,218	12 10	..	..
Lang Lang River Works	48,543	8 9	48,543	8 9	..	..
Surveys and Preliminary Investigations	601,609	11 6	601,609	11 6	..	..
Loan Flotation Expenses	1,582,486	9 1	1,582,486	9 1	..	..
River Improvements	15,566	13 11	15,566	13 11	..	..
Bulk Store and Storeyard, South Melbourne, and Dynon Rd. Storeyard	7,392	10 5	7,392	10 5	2,619,406	7 5
Water Supply Stores Suspense	1,106,000	0 0	1,106,000	0 0	..	..
Plant and Machinery Suspense	1,511,083	14 2	1,511,083	14 2	..	..
Central Plant Workshops, Bendigo (Land, Buildings, and Services, £148,698 2s. 5d.; Equipment, £38,745 11s. 9d.; Residences, £49,875 11s. 6d.)	219,981	4 11	237,319	5 8	..	..
Plant, Sub-Depot, Kerang	361	14 7	3,879	17 11	..	..
Commission Buildings ("Carlisle House," £54,645 7s. 4d.; Fine Arts Building £28,637 9s. 4d.; Hydraulic Research Station, Werribee, £29,092 10s. 0d. including residences; Research and Testing Depot, Hawthorn, £10,766 17s. 7d.); Office etc. Tatura £2,278 3s. 5d.	125,420	7 8	125,420	7 8	..	..
Little River Weir	10,733	9 5	10,733	9 5	3,001,829	5 3

5,621,235, 12 8

B.—STATE WORKS OF WATER SUPPLY.

CAPITAL COST OF WHICH IS CHARGEABLE TO CAPITAL EXPENDITURE BORNE BY THE STATE ACCOUNT.

Broken River Works.—Casey's Weir and offtake, with about 59 chains of channel to the Broken Creek; Gowangardie Weir with offtake sluice	14,855	13 9
Goulburn River Works.—Weir on the Goulburn River, about 9 miles above Murchison; channel therefrom, about 23½ miles, to Waranga Reservoir; and that Reservoir (but exclusive of the work of its enlargement) ..	..	..	..	..	737,553	18 6
Kerang North-West Lakes Works.—Weir on the Loddon River at its confluence with the Pyramid Creek; regulating weirs at the effluence from the Loddon of the Sheepwash and Washpen Creeks; channel from the Washpen Creek regulator to Reedy Lake, Middle Lake, Third Lake, Lake Charn, Racecourse Lake, Cullen's Lake, Kangaroo Lake, and Lake Tutchevop, and to the Little Murray River, with water storage works at these lakes ..	..	..	..	..	26,671	12 10
Kow Swamp Works.—Intake from the River Murray with regulator, at the effluence of the Gunbower Creek; channel thence to the Kow Swamp Reservoir; and that Reservoir; channel along the northern side of the reservoir; channel from the outlet of the reservoir, about 23½ miles, to the left bank of the Loddon River ..	..	..	..	..	209,118	12 7
Lake Lonsdale Reservoir.—Reservoir at Lake Lonsdale, on the Little Wimmera River, near Ledcourt ..	..	..	..	..	49,584	15 10
Loddon River Works.—Laanecoorie Weir, on the Loddon; Bridgewater Weir, on the Loddon; Kinypaniel Weir, on the Loddon; Hepburn's Lagoon Long Lake Pumping Works.—Inlet to Lake Baker, from the Little Murray River; water storage works at Lake Baker and Long Lake, with channel connecting these lakes; pumping plant at Long Lake, with rising main thence about 7 miles to allotment 10M, parish of Koozem; system of main distributary channels, about 85 miles in length ..	..	..	..	..	186,029	18 6
Lower Wimmera Compensation Works.—Drung Drung Weir, on the Wimmera, near allotment 29, parish of Longerenong; Dimboola Weir, on the Wimmera, near Dimboola township; Antwerp Weir, on the Wimmera at Antwerp Station homestead; Jeparit Weir on the Wimmera, near Jeparit township ..	..	..	..	..	27,305	18 5
..	..	..	..	..	8,663	12 3

1,259,784 2 8

C.—HEADWORKS.
IN RESPECT OF IRRIGATION AND WATER SUPPLY DISTRICTS AND WATERWORKS DISTRICTS.

	£	s.	d.	£	s.	d.	£	s.	d.
Goulburn and Loddon Storages—									
Investigations	6,534	7	4						
Eildon Reservoir	1,863,063	1	3						
Eildon Reservoir Enlargement including Bonnie Doon (Township Removal) (Under construction—Not Apportioned to Districts)	20,254,713	6	2						
Waranga Reservoir Enlargement	610,352	17	4						
Laaneocorie Weir Improvements	2,509	9	3						
Cairn Curran Reservoir (Under Construction—Not Apportioned to Districts)	2,319,161	7	0						
	25,056,334	8	4						
Goulburn Main Channels—									
East Goulburn Main	388,382	16	10						
Goulburn-Waranga	6,922	8	4						
Goulburn-Waranga Duplication (Under construction—Not Apportioned to Districts)	897,606	8	4						
Waranga-Western Main	1,048,664	16	8						
Waranga-Western Main Channel Enlargement (Not Apportioned to Districts)	2,043	5	5						
Main Distributaries	20,431	15	11						
Goulburn System Enlargement Investigations (Not Apportioned to Districts)	19,575	12	10						
	2,383,627	4	4						
Total Goulburn and Loddon Works	27,439,961	12	8						
Less Debited to Wimmera-Mallee	102,570	19	7						
	27,337,390	13	1						
Bacchus Marsh and Werribee Schemes—									
Ballan Tunnel	21,677	14	8						
Pykes Creek Reservoir	144,130	14	11						
Melton Reservoir	100,291	12	1						
Lerderberg River Flats	330	0	8						
	266,430	2	4						
Maffra/Sale Scheme—Glenmaggie Reservoir (includes Expenditure on Proposed Enlargement, £24,531 0s. 1d.—Not Apportioned to Districts)									
River Murray Agreement Works (Victorian Contributions under River Murray Waters Acts)									
River Murray Agreement Works—Hume Reservoir Enlargement, &c. (Not Apportioned to Districts)									
River Murray State Works—Surveys &c.									
Mornington Peninsula Waterworks District (exclusive of (a) cost of Distributary Works and Urban Reticulation (b) Tarago Works) (Includes £33,092 18s. 9d. Hallam—East Dandenong Pipe Line—Not Apportioned to Districts)									
Less Redemption paid to Revenue	1,299,777	0	6						
	2,917	15	0						
Tarago Works									
Bellarine Peninsula Waterworks District (exclusive of cost of Urban Reticulation)	685,915	17	2						
Less Redemption paid to Revenue	1,887	5	1						
	684,028	12	1						
Otway Waterworks District (exclusive of cost of Urban Reticulation)									
Less Redemption paid to Revenue	324,086	19	3						
	3,812	13	5						
	320,274	5	10						
Wimmera/Mallee—									
Main Channels and Storages inclusive of £102,570 19s. 7d. from Goulburn Works	979,139	5	1						
Glenelg River Development Works (Under Construction—Not Apportioned to Districts)	2,827,011	13	5						
	3,806,150	18	6						
Total	38,533,645	15	10						
Less Apportioned to Districts	11,731,910	3	10						
Headworks Costs Not Yet Apportioned to Districts									
	26,801,735	12	0						
Carried forward	33,682,755	7	4						

LOAN CAPITAL ACCOUNTS—continued.

Totals at
30th June, 1954.
£ s. d.
33,682,755 7 4

Brought forward ..

Name of District.	Loan Capital Expenditure.			Allotted to District.			Capital Expenditure borne by the State Account.		
	Headworks.		Total.	Distributary Works.		Total.	Headworks.		Total.
	£	s. d.		£	s. d.		£	s. d.	
1. Bacchus Marsh ..	83,517	9 3	187,989	6 0	..	..	83,517	9 3	187,989
2. Boort ..	174,910	16 1	297,200	2 0	..	..	174,910	16 1	297,200
3. Calivil ..	81,199	14 8	199,912	3 8	..	..	81,199	14 8	199,912
4. Campaspe ..	4,999	5 2	66,651	13 10	..	..	4,999	5 2	66,651
5. Central Gippsland (under construction)	..	..	..	..	..	..	..	..	..
6. Cohuna ..	500,500	8 1	1,644,855	3 10	..	..	500,500	8 1	1,644,855
7. Deakin ..	36,690	1 3	875,933	5 6	..	..	36,690	1 3	875,933
8. Dingee ..	57,932	18 11	98,968	0 7	..	..	57,932	18 11	98,968
9. Fish Point ..	21,707	0 0	36,947	7 0	..	..	21,707	0 0	36,947
10. Katandra ..	77,688	19 4	19,151	2 8	..	..	77,688	19 4	40,858
11. Kerang ..	251,516	0 0	112,925	8 8	..	..	251,516	0 0	190,614
12. Koondrook ..	247,864	0 0	141,596	11 6	..	..	247,864	0 0	393,112
13. Maffra-Sale ..	686,638	14 11	241,834	18 8	..	..	686,638	14 11	489,698
14. Murray Valley ..	897,294	4 6	684,878	13 11	..	..	897,294	4 6	1,371,517
15. Mystic Park ..	39,419	19 8	21,761	17 3	..	..	39,419	19 8	3,315,923
16. North Shepparton ..	163,976	14 8	216,822	8 0	..	..	163,976	14 8	61,181
17. Nyah ..	74,857	0 0	202,607	14 2	..	..	74,857	0 0	380,799
18. Red Cliffs-Merbein ..	478,912	0 0	1,422,804	0 0	..	..	478,912	0 0	277,464
19. Robinvale (under construction)	..	..	..	..	..	..	..	..	1,621,716
20. Rochester ..	839,568	3 11	684,425	0 4	..	..	839,568	3 11	684,425
21. Rodney ..	902,563	13 10	368,121	15 4	..	..	902,563	13 10	1,207,689
22. Shepparton ..	297,568	16 11	710,542	5 5	..	..	297,568	16 11	1,613,106
23. South Shepparton ..	61,016	10 8	216,775	15 7	..	..	61,016	10 8	514,344
24. Swan Hill ..	294,033	15 4	61,042	9 9	..	..	294,033	15 4	122,059
25. Third Lake ..	25,637	0 0	203,320	14 6	..	..	25,637	0 0	497,354
26. Tongala-Stanhope ..	640,940	1 8	26,258	14 8	..	..	640,940	1 8	51,895
27. Tragowel Plains ..	504,638	0 11	331,624	16 10	..	..	504,638	0 11	972,564
28. Tresco ..	25,960	0 0	817,322	15 7	..	..	25,960	0 0	817,322
29. Werribee ..	182,912	13 1	103,698	9 5	..	..	182,912	13 1	129,658
Totals	7,654,464	2 10	10,887,015	10 7	..	..	7,654,464	2 10	18,541,479
									13 5

D.—IRRIGATION AND WATER SUPPLY DISTRICTS.

LOAN CAPITAL ACCOUNTS—continued.

Total at
30th June, 1954.

£ s. d.
57,524,648 5 6

Brought forward

Name of District.	Loan Capital Expenditure.			Allotted to District.			Capital Expenditure borne by the State Account.			Brought forward		
	Headworks.			Distributory Works.			Headworks.			Distributory Works.		
	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.
1. Allansford ..	1,600	0	0	1,641	15	8	3,241	15	8	805	5	5
2. Anglesea ..	3,495	3	10	12,531	19	1	16,027	2	11	28	15	8
3. Antwerp ..	..	..	..	704	11	6	704	11	6	251	13	10
4. Barwon Heads and Ocean Grove ..	51,697	9	0	22,523	11	10	74,221	0	10	7,840	7	8
5. Berriwillock ..	..	..	..	7,796	7	1	37,165	13	11	3	5	5
6. Berwick ..	26,468	17	4	10,696	16	7	37,165	13	11	19,346	17	4
7. Beulah ..	..	..	..	7,680	12	6	16,333	17	7	2	13	2
8. Birchip ..	..	..	..	16,333	17	7	35,558	7	8	..	..	..
9. Birregurra ..	1,963	0	0	33,595	7	8	21,790	6	1	2,297	3	3
10. Bittern-Crib Point ..	15,527	9	4	6,262	16	9	9,472	10	10	332	8	6
11. Brim ..	..	..	..	2,681	16	11	10,557	3	1	9,729	17	4
12. Bunyip ..	7,875	6	2	56,653	4	6	103,122	4	6	53,642	5	7
13. Camperdown ..	46,469	0	0	635	19	0	906,739	3	1	288,268	12	11
14. Carwarp ..	636,028	10	0	270,710	13	1	2,482	1	3	..	..	..
15. Chelsea-Frankston ..	..	..	..	18,415	11	11	27,628	11	11	12,555	15	3
16. Chillingollah ..	..	..	..	4,800	5	1	12,051	3	10	293,199	19	6
17. Chinkapook ..	..	..	..	4,568	15	4	4,568	15	4	4,291	14	5
18. Cobden ..	9,213	0	0	2,534,774	16	9	2,534,774	16	9	2,203	3	11
19. Coliban ..	7,250	18	9	4,800	5	1	12,051	3	10	659,308	9	8
20. Cranbourne ..	..	..	..	215,449	17	1	771,194	6	5	12,647	4	6
21. Culgoa ..	555,744	9	4	19,816	15	4	19,816	15	4	..	..	..
22. Dandenong-Springvale ..	..	..	..	698	0	0	698	0	0	16	16	0
23. Dimboola ..	..	..	..	140,289	4	5	367,716	0	2	264,946	8	10
24. Doon ..	227,426	15	9	8,782	12	7	24,763	12	0	38	2	0
25. Dromana-Portsea ..	15,980	19	5	1,409	19	4	6,327	9	3	5,678	8	3
26. Drysdale ..	4,917	9	11	51	4	8	51	4	8	..	..	..
27. Garfield ..	..	..	..	8,397	16	1	20,668	13	1	6	3	10
28. Garvoc ..	12,270	17	0	12,241	16	7	12,241	16	7	23	15	4
29. Hastings ..	..	..	..	13,852	14	8	13,852	14	8	5,653	5	8
30. Hopetoun ..	..	..	..	4,613	11	8	4,613	11	8	1	12	6
31. Jeparit ..	..	..	..	6,582	0	7	6,582	0	7	..	..	..
32. Jung Jung ..	..	..	..	6,911	2	9	6,911	2	9	95	11	3
33. Koondrook ..	..	..	..	5,096	2	11	5,096	2	11	97	4	10
34. Lake Boga ..	..	..	..	4,504	13	0	4,504	13	0	16	18	0
35. Lalbert ..	..	..	..	18,692	18	5	18,692	18	5	14,958	18	0
36. Lascelles ..	14,645	17	8	9,446	18	11	9,446	18	11	1,635	6	3
37. Longwarry ..	..	..	..	4,174	4	5	4,174	4	5	1,333	9	2
38. Manangatang ..	..	..	..	2,132	14	6	2,132	14	6	22	18	10
39. Marnoo ..	..	..	..	..	..	..	..	..	..	..	..	..
40. Marong ..	..	..	..	..	..	..	..	..	..	..	..	..

G.—URBAN DISTRICTS OF WATERWORKS DISTRICTS.

[illegible]

H.—FLOOD PROTECTION DISTRICTS.

[illegible]

LOAN CAPITAL ACCOUNTS—continued.

Totals at
30th June, 1954.
£ s. d.
64,067,950 14 0

£ s. d. 64,067,950 14 0													
Brought forward ..													
Name of District.	Loan Capital Expenditure.						Allotted to District.	Capital Expenditure borne by the State Account.					
	Headworks.		Distributory Works.		Total.			Headworks.		Distributory Works.		Total.	
	£	s. d.	£	s. d.	£	s. d.		£	s. d.	£	s. d.	£	s. d.
I.—DRAINAGE DISTRICT.													
I. Carrum .. .. .	..	..	38,722	1 6	38,722	1 6	..	..	38,722	1 6	38,722	1 6	38,722 1 6
Totals .. .. .	..	..	38,722	1 6	38,722	1 6	..	..	38,722	1 6	38,722	1 6	38,722 1 6
Totals, Commission's Districts (Statements D, E, F, G, H, and I.)													
11,731,907	3 9	18,692,010	4 5	30,423,917	8 2	2,374,329	0 3	10,432,758	1 10	17,616,830	6 1	28,049,588	7 11

* Exclusive of Plant and Machinery Suspense Account, £1,511,083 14s. 2d. Plant Workshops and Depots, £17,699 15s. 4d. Total, £1,528,783 9s. 6d. (Statement A).
† Exclusive of following Works not apportioned to Districts, viz.: Glenelg River Development Works, £2,827,011 13s. 5d.; Cairn Curran Reservoir, £2,319,161 7s.; Goulburn-Waranga Channel Duplication, £897,603 8s. 4d.; Eildon Reservoir Enlargement, £20,254,713 6s. 2d.; Glenmaogie Reservoir Enlargement, £24,531 0s. 1d.; Hume Reservoir Enlargement, £424,000; Waranga-Western Main Channel Enlargement, £2,043 5s. 5d.; Goulburn System Enlargement Investigations, £19,575 12s. 10d.; Total, £28,768,642 13s. 3d. (Statement C.)

WORKS UNDER GENERAL SUPERVISION OF COMMISSION.

J.—WATERWORKS TRUSTS AND LOCAL GOVERNING BODIES.

Waterworks Trusts, First Mildura Irrigation Trust and Local Governing Bodies Loan Liability	£	s. d.	£	s. d.
Amounts Written Off and Free Grants to Local Authorities as at 30th June, 1951. (For details see Annual Report for year 1951-52)	..	..	..	..
Under Act 1951, No. 5661, Amounts Transferred to State Account, £78,046 16s. 5d.; Grants to Local Authorities £140.	..	..	3,170,934	17 9
Under Act 1952, No. 5748, Amounts Transferred to State Account £91,239 17s. 8d.; Grants to Local Authorities £483.	..	..	78,186	16 5
	..	..	91,722	17 8
			3,340,844	11 10

K.—RIVER IMPROVEMENT TRUSTS.

River Improvement Trusts and Other Public Authorities pursuant to Part IV. of the River Improvement Act 1948	..	..	68,140	17 9
Amounts Borne by State Account as at 30th June, 1952	..	..	..	..
Under Act 1951, No. 5661, Amounts Transferred to State Account	..	..	50,078	13 7
Under Act 1952, No. 5748, Amounts Transferred to State Account	..	..	16,285	11 0
	..	..	10,156	7 2
			76,520	11 9

L.—LATROBE VALLEY.

Latrobe Valley Drainage
---------------------------------	----	----	----	----	----	----	----	----	----	----	----	----	----

Grand Total Net Loan Capital Expenditure (Exclusive of Equity in National Debt Sinking Fund)

71,795,071 5 5

SUMMARY STATEMENT OF LOAN CAPITAL ACCOUNTS AS AT 30th JUNE, 1954.

10102/54.—8

Reference to Preceding Statements.	Works.	Capital Works and Charges and State Works of Water Supply.	Headworks.	Distributary Works.	Total Loan Capital Expenditure.	Deduct Redemption Paid.	Net Loan Capital.	At Debit of Authorities and Borne by Districts.	Capital Expenditure Borne by the State.
		£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
A	Capital Works and Charges	6,092,311 6 0	..	..	6,092,311 6 0	471,075 13 4	5,621,235 12 8	1,528,783 9 6	4,092,452 3 2
B	State Works of Water Supply	1,263,206 6 5	..	..	1,263,206 6 5	3,422 3 9	1,259,784 2 8	..	1,259,784 2 8
C	Headworks Costs not yet apportioned.	..	26,964,837 15 1	..	26,964,837 15 1	163,102 3 1	26,801,735 12 0	..	26,801,735 12 0
D	Irrigation and Water Supply District, inclusive of Headworks Costs	..	7,733,859 6 1	11,006,003 2 10	18,739,862 8 11	198,382 15 6	18,541,479 13 5	..	18,541,479 13 5
E	Urban Divisions of Irrigation Districts	..	..	120,346 4 1	120,346 4 1	2,530 5 11	117,815 18 2	4,831 19 6	112,983 18 8
F	Waterworks Districts, inclusive of Headworks Costs	..	2,098,044 9 6	3,180,580 7 11	5,278,624 17 5	96,027 10 10	5,182,597 6 7	403,614 0 9	4,778,983 5 10
G	Urban Districts of Waterworks Districts, inclusive of Headworks Costs	..	2,027,872 10 11	4,064,080 9 5	6,091,953 0 4	90,689 5 7	6,001,263 14 9	1,965,883 0 0	4,035,380 14 9
H	Flood Protection Districts	..	..	552,677 5 7	552,677 5 7	10,638 11 10	542,038 13 9	..	542,038 13 9
I	Drainage District	..	..	39,430 15 11	39,430 15 11	708 14 5	38,722 1 6	..	38,722 1 6
	Total Works under control of Commission	7,355,517 12 5	38,824,614 1 7	18,963,118 5 9	65,143,249 19 9	1,036,577 4 3	64,106,672 15 6	3,903,112 9 9	60,203,560 5 9
J	Waterworks Trusts and Local Governing Bodies	..	..	..	8,333,022 4 9	1,078,311 0 8	7,254,711 4 1	3,913,866 12 3	3,340,844 11 10
K	River Improvement Trusts	..	..	..	145,064 12 8	403 3 2	144,661 9 6	68,140 17 9	76,520 11 9
L	Latrobe Valley Drainage	..	..	..	289,025 16 4	..	289,025 16 4	289,025 16 4	..
		..	..	..	73,910,362 13 6	2,115,291 8 1	71,795,071 5 5	8,174,145 16 1	63,620,925 9 4

NOTE.—District Headworks Costs formerly included in Item "C" are now shown in Items "D," "E," "F," and "G."

RECONCILIATION STATEMENT.

COUNTRY WATER SUPPLY AND STATE DEVELOPMENT ACCOUNTS IN THE BOOKS OF THE TREASURY WITH CAPITAL ACCOUNTS IN THE BOOKS OF THE COMMISSION AS AT 30th JUNE, 1954.

	Total.	Water supply.	State Development Account.
	£ s. d.	£ s. d.	£ s. d.
Net Loan Liability as per Treasurer's Finance Statement (page 79)	66,565,634 2 2	8,144,110 4 6	58,421,523 17 8
Add—			
Cost of Geelong Works. "Finance" (page 80)	135,551 8 1	..	135,551 8 1
National Debt Sinking Fund contributions from Consolidated Revenue pursuant to the provisions of the <i>Commonwealth and State Financial Agreement Act 1927</i> , No. 3554, as amended by Act No. 5051, 1944. "Finance" (Page 79). (These amounts not credited to Districts and Works excepting recoup contributions shown below)	5,737,175 19 6	701,926 13 3	5,035,249 6 3
National Debt Sinking Fund contributions in respect of Geelong Works. "Finance" (Page 80)	28,600 17 4	..	28,600 17 4
Less—			
Redemption recoup contributions paid into Consolidated Revenue by Commission Districts and Works, Waterworks Trusts, &c.	72,466,962 7 1	8,846,036 17 9	63,620,925 9 4
Totals of amounts at debit of Authorities and Districts and the Capital Expenditure Borne by the State Account in the books of the Commission	671,891 1 8	671,891 1 8	..
	71,795,071 5 5	8,174,145 16 1	63,620,925 9 4

CAPITAL EXPENDITURE.

STATEMENT OF CAPITAL EXPENDITURE ON WORKS OF COUNTRY WATER SUPPLY, AS FROM THE DATE OF INCORPORATION OF THE STATE RIVERS AND WATER SUPPLY COMMISSION (1ST MAY, 1906) TO 30TH JUNE, 1954.

Year ended 30th June.	Total Expenditure under Water Supply Loans Application Acts.				Total Capital Expenditure by Commission from Unemployment Relief Funds.				Total Capital Expenditure under Water Supply Loans Application Acts and from Unemployment Relief Funds.			
	During Year.		Progressive Total at Close of Year.		During Year.		Progressive Total at Close of Year.		During Year.		Progressive Total at Close of Year.	
	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.
1906 ..	..	..	5,885,066	12 4a	..	..	..	..	..	..	5,885,066	12 4a
1907 ..	161,346	7 4	6,046,412	19 8	..	..	..	..	161,346	7 4	6,046,412	19 8
1908 ..	276,582	17 0	5,881,843	15 0b	..	..	..	..	276,582	17 0	5,881,843	15 0b
1909 ..	313,615	11 3	6,195,459	6 3c	..	..	..	..	313,615	11 3	6,195,459	6 3c
1910 ..	286,823	8 3	6,482,282	14 6	..	..	..	..	286,823	8 3	6,482,282	14 6
1911 ..	311,709	7 4	6,793,992	1 10	..	..	..	..	311,709	7 4	6,793,992	1 10
1912 ..	259,281	0 11	7,053,273	2 9	..	..	..	..	259,281	0 11	7,053,273	2 9
1913 ..	267,560	1 11	7,320,833	4 8	..	..	..	..	267,560	1 11	7,320,833	4 8
1914 ..	229,126	17 0	7,549,960	1 8	..	..	..	..	229,126	17 0	7,549,960	1 8
1915 ..	304,766	9 9	7,854,726	11 5	..	..	..	..	304,766	9 9	7,854,726	11 5
1916 ..	347,134	18 5	8,201,861	9 10	..	..	..	..	347,134	18 5	8,201,861	9 10
1917 ..	302,893	11 7	8,504,755	1 5	..	..	..	..	302,893	11 7	8,504,755	1 5
1918 ..	302,954	14 7	8,807,709	16 0	..	..	..	..	302,954	14 7	8,807,709	16 0
1919 ..	412,267	8 3	9,219,977	4 3	..	..	..	..	412,267	8 3	9,219,977	4 3
1920 ..	570,028	2 4	9,790,005	6 7	..	..	..	..	570,028	2 4	9,790,005	6 7
1921 ..	692,658	14 1	10,482,664	0 8	..	..	..	..	692,658	14 1	10,482,664	0 8
1922 ..	968,047	8 8	11,450,711	9 4	..	..	..	..	968,047	8 8	11,450,711	9 4
1923 ..	1,210,484	8 9	12,661,195	18 1	..	..	..	..	1,210,484	8 9	12,661,195	18 1
1924 ..	1,415,109	1 5	14,076,304	19 6	..	..	..	..	1,415,109	1 5	14,076,304	19 6
1925 ..	1,471,566	4 7	15,547,871	4 1	..	..	..	..	1,471,566	4 7	15,547,871	4 1
1926 ..	1,521,533	5 9	17,069,404	9 10	..	..	..	..	1,521,533	5 9	17,069,404	9 10
1927 ..	1,541,900	16 9	18,611,305	6 7	..	..	..	..	1,541,900	16 9	18,611,305	6 7
1928 ..	1,792,407	15 9	20,403,713	2 4	..	..	..	..	1,792,407	15 9	20,403,713	2 4
1929 ..	1,516,022	14 3	21,919,735	16 7	..	..	..	..	1,516,022	14 3	21,919,735	16 7
1930 ..	1,208,567	12 6	23,128,303	9 1	..	..	..	..	1,208,567	12 6	23,128,303	9 1
1931 ..	696,146	5 2	23,824,449	14 3	..	..	142,703	0 0d	838,849	5 2	23,967,152	14 3
1932 ..	351,118	15 7	24,175,568	9 10	2,745	0 0	145,448	0 0	353,863	15 7	24,321,016	9 10
1933 ..	488,072	7 9	24,663,640	17 7	138,281	0 0	283,729	0 0	626,353	7 9	24,947,369	17 7
1934 ..	315,870	14 7	24,979,511	12 2	209,284	0 0	493,013	0 0	525,154	14 7	25,472,524	12 2
1935 ..	260,736	3 5	25,240,247	15 7	325,340	0 0	818,353	0 0	586,076	3 5	26,058,600	15 7
1936 ..	285,473	8 2	25,525,721	3 9	371,866	0 0	1,190,219	0 0	657,339	8 2	26,715,940	3 9
1937 ..	360,791	14 10	25,886,512	18 7	350,993	0 0	1,541,212	0 0	711,784	14 10	27,427,724	18 7
1938 ..	353,606	5 5	26,240,119	4 0	358,550	0 0	1,899,762	0 0	712,156	5 5	28,139,881	4 0
1939 ..	582,327	3 5	26,822,446	7 5	411,803	0 0	2,311,565	0 0	994,130	3 5	29,134,011	7 5
1940 ..	426,824	16 9	27,249,271	4 2	289,764	0 0	2,601,329	0 0	716,588	16 9	29,850,600	4 2
1941 ..	471,369	6 11	27,720,640	11 1	218,141	0 0	2,819,470	0 0	689,510	6 11	30,540,110	11 1
1942 ..	274,845	7 0	27,995,485	18 1	40,805	0 0	2,860,275	0 0	315,650	7 0	30,855,760	18 1
1943 ..	75,479	2 0	28,070,965	0 1	472	0 0	2,860,747	0 0	75,951	2 0	30,931,712	0 1
1944 ..	143,177	10 6	28,214,142	10 7	..	..	2,860,747	0 0	143,177	10 6	31,074,889	10 7
1945 ..	315,729	1 0	28,529,871	11 7	..	..	2,860,747	0 0	315,729	1 0	31,390,618	11 7
1946 ..	432,905	12 8	28,962,777	4 3	..	..	2,860,747	0 0	432,905	12 8	31,823,524	4 3
1947 ..	1,466,121	15 3	30,428,898	19 6	..	..	2,860,747	0 0	1,466,121	15 3	33,289,645	19 6
1948 ..	1,893,165	1 2	32,322,064	0 8	..	..	2,860,747	0 0	1,893,165	1 2	35,182,811	0 8
1949 ..	2,251,873	9 11	34,573,937	10 7	..	..	2,860,747	0 0	2,251,873	9 11	37,434,684	10 7
1950 ..	4,149,500	16 4	38,723,438	6 11	..	..	2,860,747	0 0	4,149,500	16 4	41,584,185	6 11
1951 ..	7,124,902	5 7	45,848,340	12 6	..	..	2,860,747	0 0	7,124,902	5 7	48,709,087	12 6
1952 ..	10,619,672	2 5	56,468,012	14 11	..	..	2,860,747	0 0	10,619,672	2 5	59,328,759	14 11
1 53 ..	6,919, 11	3 10	63,387,923	18 9	..	..	2,860,747	0 0	6,919,911	3 10	66,248,670	18 9
1954 ..	8,475,565	5 9	71,863,489	4 6	..	..	2,860,747	0 0	8,475,565	5 9	74,724,236	4 6

Notes.—(a) Total expenditure from "Loans—Country Water Supply" to 30th June, 1906, as per pages 106–108, "Finance, 1905–6" £5,885,066 12s. 4d.

(b) During year ended 30th June, 1908, the Geelong Water Supply Works were sold to the Geelong Municipal Waterworks Trust. Geelong works excluded from Progressive Total, from and including year ended 30th June, 1908.

	£	s. d.
(c) Department of Water Supply	2,592,777	16 0
State Rivers and Water Supply Commission	3,602,681	10 3
Total	6,195,459	6 3

During the year ended 30th June, 1910, the Department of Water Supply was merged into the Commission, and all Water Supply Works vested in the Department or the Board of Land and Works and placed under the control of the Commission.

(d) From 1930 until 1943 grants were received and expended by the Commission from Unemployment Relief Funds. The total amount so received and expended was £3,231,050, of which £2,860,747 was spent on capital works.

CAPITAL EXPENDITURE—*continued*.STATEMENT OF CAPITAL EXPENDITURE ON WORKS OF COUNTRY WATER SUPPLY—*continued*.

RECONCILIATION STATEMENTS.

(A) LOAN.

Total Loan Expenditure as per Summary Statement of Loan Capital Account, as at 30th June, 1954 (page 113):—

	£	s.	d.
Annual Report	73,910,362	13	6
Deduct—	£	s.	d.
Discount and Expenses <i>less</i> Premiums, Country Water Supply (Finance, 1953–54, pages 78–79)	1,582,486	9	1
Geelong Works, Gross Expenditure (Finance 1953–54, pages 80)	464,386	19	11
	2,046,873	9	0
Total Loan Expenditure Country Water Supply (Finance, pages 78 and 79)	71,863,489	4	6

(B) UNEMPLOYMENT RELIEF FUNDS.

	£	s.	d.
Expenditure from Unemployment Relief Taxation Funds	314,362	0	0
Unemployment Relief Loan Funds (“ Finance, 1942–43,” page 140)	2,788,118	0	0
Commonwealth–State Joint Loan Fund (Winter Relief)	85,012	0	0
Commonwealth Grants (Flood Restoration)	43,558	0	0
Total expenditure in accordance with Employment Council Allocations, 6th February, 1943	3,231,050	0	0
Deduct Maintenance Expenditure	370,303	0	0
Capital Expenditure from Unemployment Relief Funds, as above	2,860,747	0	0

STATEMENT OF CAPITAL EXPENDITURE ON WORKS OF COUNTRY
SEWERAGE AUTHORITIES.

	£	s.	d.
Expenditure as at 30th June, 1953	208,747	11	9
Expenditure, 1953–54—	£	s.	d.
Act 5256	750	0	0
Act 5746	95,231	14	10
	95,981	14	10
Total as at 30th June, 1954	304,729	6	7
Expenditure at Debit of Authorities	283,393	10	1
Amounts transferred by Order in Council to Expenditure Borne by the State Account ..	21,335	16	6
	304,729	6	7

ESTIMATES 1954-55.

PROPOSED DISBURSEMENTS.

	Estimated Requirements.	Amount Provided in Budget.
	£	£
Coliban Works	45,600	45,600
Irrigation, Water Supply and Drainage Districts	667,600	652,600
Waterworks Districts	299,800	294,800
Flood Protection and Carrum Drainage Districts	60,000	40,000
Salaries of Permanent and Temporary Employees*	1,231,359	1,231,359
General Expenditure*	350,000	335,000
Removal of Sand Drift	120,000	95,000
River Murray Works—Contribution by State	63,000	63,000
Pay-roll Tax	60,000	60,000
Subsidies to Waterworks Trusts and Local Governing Bodies to enable a Reduction of 33½ per cent. to be made in Water Rates	600	600
Totals—Water Supply	2,897,959	2,817,959
Assistance to certain Sewerage Authorities where suspension of works is being continued	7,900	7,900
Subsidies to Sewerage Authorities in cases where the interest paid on capital liability is in excess of the rate of 3 per cent.	41,000	41,000
Subsidy to First Mildura Irrigation Trust towards meeting the operating costs of the Trust	12,000	12,000
	2,958,859	2,878,859

* To be apportioned over the above Districts.

ESTIMATED RECEIPTS.

	Amount Provided in Budget.
	£
Coliban Works	100,000
Irrigation, Water Supply and Drainage Districts	910,000
Waterworks Districts	550,000
Flood Protection and Carrum Drainage Districts	32,000
Other	120,000
Recoup on account of amounts paid from Revenue in connexion with River Murray Commission, Loan Works, &c.	580,000
	2,292,000
Add estimated Receipts to meet Interest and Redemption—	
Waterworks Trusts and other Corporations	157,700
Plant and Machinery, and Land	50,000
Totals—Water Supply	2,499,700

Estimated amount available from Revenues of Commission—

“Paying” Districts to meet Interest .. £62,000.

CONTRACTS.

STATEMENT OF CONTRACTS ENTERED INTO DURING THE YEAR ENDED 30TH JUNE, 1954.

No.	Name of Contractor.	Work and Supply.	Amount.
			£
3332	Humes Ltd.	Supply of concrete pipes : Robinvale	27,200
3333	Sainrapt and Brice (Aust.) Pty. Ltd.	Construction of tunnel : Tarago	127,800
3334	A. V. Jennings Construction Co. Pty. Ltd.	Erection of shops and dwelling : Tallangatta	24,800
3335	J. W. Lindorff	Erection of residence : Goulburn Division	2,600
3336	J. W. Lindorff	Erection of residence : Goulburn Division	2,700
3337	H. S. Day	Erection of residence : Goulburn Division	2,950
3338	H. O. Stewart	Trenching, laying, jointing water main : Latrobe Valley	21,300
3339	Highland Plant Pty. Ltd.	Trenching, laying, jointing water main : Mornington Peninsula	1,100
3340	Hubner and Holy	Erection of residence : Merbein	3,900
3341	W. G. Bakker	Erection of two residences : Maffra-Sale	5,600
3342	A. E. Seidel	Erection of shops : Tallangatta	20,800
3343	Mephan Ferguson Pty. Ltd.	Supply of steel pipes : Latrobe Valley	123,200
3344	Davies Shephard Pty. Ltd.	Supply of water meters : Main Urban	14,200
			378,150

STATE RIVERS AND WATER SUPPLY COMMISSION.

IRRIGATION SYSTEMS.

RETURN OF WATER DELIVERED—YEAR 1953-54.

District.	Water Assignment Measured at District Boundary.	Gross Supply at District Offtakes (excluding volumes passed to other Districts).	Total Water Rights Allotted to District.	Users in District.			Total Delivered in District.	Users Outside District from District Channels.	Total Delivered.	Users Outside District from Main Channels.
				Under Water Rights.	Sales of Water.	Domestic and Stock Purposes.				
GOULBURN SYSTEM—	acre feet.	acre feet.	acre feet.	acre feet.	acre feet.	acre feet.	acre feet.	acre feet.	acre feet.	acre feet.
(Main Eastern Channel.)										
South Shepparton	12,000	6,502	4,404	3,712	1,198	261	5,171	20	5,191	..
Shepparton	51,000	36,177	21,055	17,903	2,151	432	20,486	112	20,598	..
North Shepparton	44,000	34,155	13,199	10,906	2,709	506	14,121	..	14,121	29
Katandra	13,000	12,554	7,335	6,771	1,330	221	8,322	..	8,322	..
Totals	120,000	89,388	45,993	39,292	7,388	1,420	48,100	132	48,232	29
(Waranga Reservoir.)										
Rodney	232,000	191,801	60,912	56,363	26,001	2,571	84,935	(a) 624	85,559	..
Tongala-Stanhope	116,000	110,938	48,038	46,258	14,603	2,208	63,069	..	63,069	..
Deakin	23,000	10,487	5,698	4,686	1,880	441	7,007	..	7,007	..
Rochester	147,000	119,262	57,466	56,506	22,366	2,869	81,741	504	82,245	..
Dingee	9,000	6,821	4,447	4,334	1,278	259	5,871	..	5,871	..
Calivil (including Loddon water)	21,000	18,750	6,505	6,058	4,648	553	11,259	..	11,259	(b) 156
Tragowel Plains (including Loddon water)	97,000	100,422	31,214	30,092	11,477	1,945	43,514	(b) 40	43,554	..
Boort (including Loddon water)	35,000	34,857	11,335	11,243	5,682	847	17,772	625	18,397	..
Totals	680,000	593,338	225,615	215,540	87,935	11,693	315,168	1,793	316,961	156
Goulburn Grand Totals	800,000	682,726	271,608	254,832	(f) 95,323	13,113	363,268	1,925	365,193	185
MURRAY SYSTEM—										
(Yarrowonga Weir.)										
Murray Valley	196,000	(d) 195,720	88,340	66,698	(g) 45,010	1,403	113,111	214	113,325	..
(Torrumbarry Weir.)										
Cohuna	122,000	125,723	49,292	47,719	15,990	2,117	65,826	(b) 211	66,037	..
Koondrook	70,000	69,038	24,622	24,375	6,638	555	31,568	45	31,613	..
Kerang	71,000	59,321	21,449	21,352	9,733	1,236	32,321	268	32,589	..
Third Lake	6,000	8,454	2,513	2,375	608	5	2,988	40	3,028	..
Mystic Park	7,000	5,236	2,754	2,255	147	6	2,408	26	2,434	..
Tresco	6,000	5,957	..	..	3,572	..	3,572	..	3,572	..
Fish Point	5,000	2,727	1,845	1,607	631	46	2,284	..	2,284	..
Swan Hill	63,000	52,165	25,870	24,565	10,423	818	35,806	523	36,329	..
Pental Island Private Diversions	..	..	..	..	..	..	..	..	..	6,275
Kerang Private Diversions	..	..	..	..	..	..	..	..	..	1,182
Kerang North-West Lakes Private Diversions	..	..	..	..	..	..	..	..	..	8,594
Upper Gunbower Creek Private Diversions	..	..	..	..	..	..	..	..	..	6,736
Lower Gunbower Creek Private Diversions	..	..	..	..	..	..	..	..	..	9,068
Taylor's Creek Private Diversions	..	..	..	..	..	..	..	..	..	2,029
Kow Swamp Private Diversions	..	..	..	..	..	..	..	..	..	2,534
Pyramid Creek Private Diversions	..	..	..	..	..	..	..	..	..	4,610
Torrumbarry Weir Totals	350,000	328,621	128,345	124,248	(h) 47,742	4,783	176,773	1,113	177,886	41,028
(Pumped from River Murray.)										
Nyah	12,000	9,839	7,186	7,181	615	219	8,015	166	8,181	..
Robinvale	11,000	11,800	9,413	8,777	..	..	8,777	..	8,777	..
Red Cliffs	50,000	38,449	34,157	29,766	273	..	30,039	(b) 330	30,369	..
Merbein	33,000	30,916	23,715	22,471	941	..	23,412	437	23,849	..
Totals	106,000	91,004	74,471	68,195	1,829	219	70,243	933	71,176	..
Murray Grand Totals	652,000	615,345	291,156	259,141	94,581	6,405	360,127	2,260	362,387	41,028
CAMPASPE SYSTEM—										
Coliban .. .. .	..	28,237	..	..	(e) 9,859	8,565	18,424	..	18,424	..
Campaspe	(i)	1,729	..	..	577	Dams 88	665	3	668	..
Totals .. .. .	..	29,966	..	..	10,436	8,653	19,089	3	19,092	..
WERRIBEE SYSTEM—										
Bacchus Marsh	(i)	7,205	3,302	3,175	1,659	179	5,013	(b) 38	5,051	..
Werribee	12,000	18,452	8,147	6,865	1,575	..	8,440	681	9,121	..
Totals	12,000	25,657	11,449	10,040	3,234	179	13,453	719	14,172	..
MACALISTER SYSTEM—										
Maffra-Sale	(i)	54,669	25,410	21,639	5,064	957	27,660	281	27,941	..
Central Gippsland	(i)	11,956	3,229	517	4,731	173	5,421	..	5,421	..
Totals .. .. .	..	66,625	28,639	22,156	9,795	1,130	33,081	281	33,362	..
WIMMERA SYSTEM—										
Quantong, Riverside, Burnlea, Haven, &c.	..	7,624	..	..	4,900	..	4,900	..	4,900	..
PRIVATE DIVERSIONS (not included above) .. .. .	..	..	..	..	..	..	..	..	..	130,000
Totals	1,464,000	1,427,943	..	546,169	218,269	29,480	793,918	5,188	799,106	171,213
FIRST MILDURA IRRIGATION TRUST	(i)	41,400	47,031	33,260	7,751	143	41,154	83	41,237	..
GRAND TOTALS	(j) 1,464,000	1,469,343	649,683	579,429	226,020	29,623	835,072	5,271	840,343	171,213
										1,011,556

(a) Includes Waterworks Trust. (b) Includes Urban Districts. (c) Includes 2,148 acre feet passed into Broken Creek from Goulburn System (d) Includes 11,649 acre feet passed into Broken Creek. (e) Includes 331 acre feet for mining. (f) Includes 26,575 acre feet Supplementary Sales and 2,470 acre feet "Out of Season" Sales. (g) Includes 11,664 acre feet Supplementary Sales. (h) Includes 11,944 acre feet Supplementary Sales and 1,325 acre feet "Out of Season" Sales. (i) Not expressed in acre feet. (j) Not including Campaspe, Bacchus Marsh, Maffra-Sale, Central Gippsland, and Mildura.

Total Supplementary Supply to Wimmera-Mallee for period 1st July, 1953, to 30th June, 1954 :—

	Acre feet.
From Waranga Western Channel	9,970
From Loddon River	13,462
Total	23,432

Return of water delivered to Waterworks Districts during waterings in year 1953, measurements being made at Headworks or at Pumping Stations.

* Detailed statement of Wimmera-Mallee System hereunder.

WATER SUPPLIED FROM HEADWORKS.

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.

Year.										Area Watered.	Gross Supply Released from Headworks.
										Acres.	Acre feet.
1951-52	..	..	..	..	..	..	..	..	..	2,834	8,299
1952-53	..	..	..	..	..	..	..	..	..	3,180	8,249
1953-54	..	..	..	..	..	..	..	..	..	3,812	7,624

APPENDIX C.

WIMMERA-MALLEE AND RIVER MURRAY DOMESTIC AND STOCK SUPPLY SYSTEMS.
PERIODS OF ANNUAL WATERINGS.

District.	Year.	Commenced.	Completed.	Days.
Wimmera-Mallee	1951	11.4.51	5.11.51	209
	1952	27.3.52	15.10.52	203
	1953	25.4.53	16.10.53	175
Tyntynder North (late Coreena)	1951	9.7.51	23.8.51	46
	1952	14.7.52	25.8.52	43
	1953	6.7.53	13.8.53	38
Millewa	1951	7.5.51	8.8.51	94
	1952	2.6.52	25.8.52	85
	1953	1.6.53	20.8.53	81
Carwarp	1951	16.7.51	12.8.51	28
	1952	14.7.52	15.8.52	31
	1953	14.7.53	9.8.53	27
Yelta	1951	10.9.51	3.10.51	24
	1952	{ 3.9.52 3.11.52 }	{ 19.9.52 21.11.52 }	36
	1953	2.9.53	25.9.53	24

The figures for the preceding six years are given in the Commission's Forty-seventh Annual Report.

APPENDIX D.

COLIBAN SYSTEM—WATER DELIVERIES.

The following statement shows the quantities of water taken into and released from the main storages of the Coliban System, the quantities delivered to water-users, and the percentages of efficiency of deliveries since the year 1938-39 :—

Year.	Inflow to Storages.			Output from Storages.	Delivered to Users.	Percentage Efficiency.	Remarks.
	From Coliban River.	Through Ashbourne Diversion Channel from Campaspe River to Coliban River.	Total.				
	acre feet.	acre feet.	acre feet.	acre feet.	acre feet.		Water run in—
1938-39 ..	21,618	1,342	22,960	3,876	3,117	82	Main Channels only
1939-40 ..	51,452	2,226	53,678	24,673	13,282	54	Whole system
1940-41 ..	6,482	211	6,693	16,000	10,000	63	Whole system (restrictions on minor races)
1941-42 ..	36,953	1,767	38,720	17,908	13,120	73	Whole system (restrictions on minor races)
1942-43 ..	63,749	1,557	65,306	22,363	13,135	58	Whole system
1943-44 ..	22,802	848	23,650	29,900	17,000	57	Whole system
1944-45 ..	8,016	96	8,112	16,698	9,933	59	Whole system*
1945-46 ..	33,019	1,781	34,800	17,897	10,546	59	Whole system
1946-47 ..	42,386	2,344	44,730	26,136	15,086	58	Whole system
1947-48 ..	72,638	1,953	74,591	22,124	15,027	68	Whole system
1948-49 ..	44,741	2,568	47,309	24,288	16,659	69	Whole system
1949-50 ..	62,908	3,680	66,588	19,987	14,303	71	Whole system
1950-51 ..	86,903	3,776	90,679	25,476	18,406	72	Whole system
1951-52 ..	98,541	3,314	101,855	31,471	22,484	71	Whole system
1952-53 ..	98,193	3,074	101,267	27,111	18,219	67	Whole system
1953-54 ..	61,882	741	62,623	28,237	18,799	67	Whole system

* Water restricted to one-third of normal supplied for irrigation in all channels from February. Stock and Domestic supplies only in channels run to supply towns.

APPENDIX E.

LANDS UNDER IRRIGATED CULTURE.

The two Statements hereunder show the extent of Areas Irrigated—

(A) During the last year in detail, and

(B) During the last five years totalled for purposes of comparison.

(A) STATEMENT OF THE EXTENT OF IRRIGATION AND OF AREAS OF DIFFERENT KINDS OF CROPS WATERED—
YEAR 1953-54.

Name of District.	Total Area of Holdings in Irrigation Districts in Acres.	Area classified as Irrigable within Constituted Districts in Acres.	Water Rights Apportioned (including Extra Water Rights) (Acre-Feet).	Area Irrigated, including Lands adjoining a District, in Acres.										
				Total.	Cereals.	Lucerne Grown for Pasture and Hay.	Sorghum and Other Annual Fodder Crops.	Pastures.			Vineyards.	Orchards.	Market gardens.	Fallow and Miscellaneous.
								Native.	Annual.	Peren- nial.				
GOULBURN SYSTEM.														
Katandra	13,980	11,199	7,335	7,052	128	185	20	50	1,978	4,691	..	..	..	..
North Shepparton	124,439	61,446	13,199	21,744	10	820	26	1,381	16,556	2,745	7	41	118	40
Shepparton	24,163	21,052	21,055	18,556	45	343	65	1,227	2,970	3,674	119	8,411	1,520	182
South Shepparton	33,736	17,917	4,404	8,335	..	621	62	406	5,644	1,406	..	48	135	13
Rodney	273,760	190,311	60,912	99,096	96	12,436	561	2,823	53,948	19,828	160	8,179	1,028	37
Tongala-Stanhope	76,117	47,612	48,038	43,374	12	1,260	128	463	13,961	26,226	7	1,236	36	45
Rochester	182,008	56,995	57,466	67,851	44	2,439	42	2,703	32,482	28,936	6	870	87	242
Dingee	8,826	4,447	4,447	4,017	..	16	..	125	686	3,123	..	..	2	65
Calivil	61,132	32,527	6,505	12,061	746	162	135	1,143	5,764	4,079	..	12	8	12
Tragowel Plains	218,464	148,870	31,214	56,143	10,062	337	2,289	13,646	26,531	1,716	..	8	..	1,554
Deakin	160,832	21,201	5,698	8,848	10	380	29	329	4,836	3,223	..	..	..	41
Boort*	80,226	56,530	11,335	16,479	2,160	384	770	3,440	6,333	304	..	..	2	3,086
Totals	1,257,683	670,107	271,608	363,556	13,313	19,383	4,127	27,736	171,689	99,951	299	18,805	2,936	5,317
RIVER MURRAY SYSTEM.														
(a) Torrumbarry Weir.														
Cohuna	85,637	44,667	49,292	60,139	765	626	6	14,889	17,575	25,576	..	12	..	690
Koondrook	88,172	24,572	24,622	46,632	2,738	634	750	7,141	28,887	3,738	5	900	81	1,758
Swan Hill	37,173	22,250	25,870	22,751	613	1,713	150	1,872	6,300	6,193	4,315	490	569	536
Third Lake	11,483	3,771	2,513	3,803	512	104	40	399	2,617	128	..	3	..	..
Mystic Park	19,259	8,039	2,754	6,614	1,454	38	98	1,874	1,711	273	10	10	52	1,094
Tresco	4,650	2,045	..	1,448	8	20	..	10	..	..	1,177	233	..	..
Fish Point	6,327	3,756	1,845	2,784	82	104	68	1,397	936	197	..	..	..	..
Kerang	88,596	55,562	21,449	42,340	3,668	826	1,039	14,228	14,871	5,405	..	..	5	2,298
Kerang North-West Lakes	36,381	..	..	6,878	1,173	157	280	2,679	2,032	35	31	355	18	118
Private Diversions .. .. .	..	..	..	26,425	1,774	1,154	334	3,383	15,739	3,413	50	188	110	280
Totals	377,678	164,662	128,345	219,814	12,787	5,376	2,765	47,872	90,668	44,958	5,588	2,191	835	6,774
(b) Yarrawonga Weir.														
Murray Valley	267,012	187,365	88,340	68,320	35	15,432	295	2,457	29,164	16,963	52	3,227	686	9
(c) Direct from River by Pumping.														
Nyah	3,843	2,622	7,186	3,012	90	64	81	37	103	90	2,391	106	50	..
Red Cliffs	13,606	11,276	34,157	11,651	..	61	37	..	10	..	10,916	490	137	..
Merbein	9,215	7,656	23,715	8,364	..	50	155	23	90	..	7,280	712	54	..
Robinvale	4,994	3,765	9,413	2,897	..	..	..	..	..	..	2,649	248	..	..
Totals	31,658	25,319	74,471	25,924	90	175	273	60	203	90	23,236	1,556	241	..
(d) First Mildura Trust District.														
Totals (River Murray Systems)	45,000	15,000	..	13,418	..	211	230	..	..	..	12,000	977	..	..
Totals (River Murray Systems)	721,348	392,346	291,156	327,476	12,912	21,194	3,563	50,389	120,035	62,011	40,876	7,951	1,762	6,783
LODDON AND OTHER NORTHERN SYSTEMS.														
Boort* .. .. .	..	..	..	8,239	1,080	191	385	1,720	3,166	152	..	..	1	1,544
East Loddon .. .. .	..	..	..	703	..	100	..	168	415	..	..	..	20	..
Loddon .. .. .	..	..	..	64	..	..	..	9	55	..	..	..	..	..
West Loddon .. .. .	..	..	..	4,273	522	184	..	237	458	..	..	..	..	2,872
Coliban .. .. .	..	10,970	..	8,063	40	349	..	936	502	2,349	19	3,315	553	..
Campaspe	19,736	..	..	1,114	175	218	10	482	113	116	..	..	..	..
Western Wimmera .. .. .	..	3,083	..	3,237	..	292	43	..	..	1,635	..	923	336	8
Wimmera United .. .. .	..	172	..	139	..	65	..	..	..	70	..	..	4	..
Totals	19,736	14,225	..	25,832	1,817	1,399	438	3,552	4,709	4,322	19	4,238	914	4,424
SOUTHERN SYSTEMS.														
Bacchus Marsh	6,744	3,300	3,302	3,150	21	427	..	635	..	1,507	..	184	356	20
Werribee	9,702	8,146	8,147	7,632	..	673	66	..	..	3,601	..	367	2,691	234
Maffra-Sale	72,913	27,117	25,410	24,277	..	249	140	134	182	23,526	..	..	8	38
Central Gippsland	58,496	6,442	3,229	4,271	34	474	24	301	..	3,437	..	..	1	..
Mornington Peninsula .. .. .	..	..	..	1,544	..	..	..	..	..	..	..	..	1,185	359
Bellarine Peninsula .. .. .	..	..	..	105	..	30	..	..	..	..	..	..	75	..
Totals	147,855	45,005	40,088	40,979	55	1,853	230	1,070	182	32,071	..	551	4,316	651
PRIVATE DIVERSIONS.														
Other Private Diversions throughout the State .. .. .	..	..	..	63,182	3,977	4,687	1,309	6,667	17,275	10,762	3,264	4,853	3,679	6,709
Grand Totals 1953-54	2,146,622	1,121,683	602,852	821,025	32,074	48,516	9,667	89,414	313,890	209,117	44,458	36,398	13,607	23,884
Grand Totals 1952-53	2,146,744	1,105,396	583,571	755,030	24,142	45,820	7,977	93,413	269,694	202,746	43,494	34,116	16,890	16,738

* Boort District is supplied from the Goulburn and the Loddon Systems.

(B) COMPARATIVE STATEMENT OF THE EXTENT OF IRRIGATION—1949-50 TO 1953-54.

Source of Supply.	Area under Irrigation (Acres).				
	1949-50.	1950-51.	1951-52.	1952-53.	1953-54.
Goulburn System	316,440	343,903	339,356	353,256	363,556
River Murray System	249,832	276,454	277,817	298,143	327,476
Loddon and Other Northern Systems	16,784	15,769	16,516	16,760	25,832
Southern Systems	33,216	32,401	37,690	38,464	40,979
Private Diversions	46,018	47,524	52,418	48,407	63,182
Totals	662,290	716,051	723,797	755,030	821,025

APPENDIX F.

TOTAL STORAGES IN STATE.

In 1902 the total capacity of storages in the State was 172,000 acre feet. The present capacity of those storages under the Commission's direct control is 2,430,800 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), has a capacity of 1,382,000 acre feet. When the next stage of this work and the Cairn Curran dam have been completed and the Glenmaggie and Eildon Reservoirs enlarged, the combined capacities of Victoria's storages will be 5,362,800 acre feet.

EXISTING STORAGES.

Storage.	Full Supply Reduced Level.		Capacity.	
	Feet.		Acre feet.	Acre feet.
Goulburn System—				
Eildon	829.50		361,000	
Goulburn Weir (8,000 acre feet below gravitation level)	408.00		20,700	
Waranga (53,000 acre feet below gravitation level)	398.00		333,400	
				715,100
Murray—Loddon System—				
Hume Reservoir	Capacity in Acre feet.			
Yarrawonga Weir	1,382,000			
Torrumbarry	95,120			
Euston	28,900			
Mildura	31,320			
Wentworth	29,360			
	38,140			
	1,604,810			
Kow Swamp	272.00		40,860	
Laanecoorle	527.00		6,300	
Kerang North-West Lakes—				
Third, Middle, Reedy				
Kangaroo, Racecourse, Charm } (42,100 acre feet below gravitation level)	244.75			
Cullens	241.00		69,400	
Lake Boga (23,750 acre feet below gravitation level)	240.25			
Lake Cullulleraine	226.50		29,650	
	101.00		2,000	
				950,630
Wimmera—Mallee System—				
Rocklands	614.00		272,000	
Toolondo	538.00		60,000	
Fyans Lake (800 acre feet below gravitation level)	673.00		17,100	
Lake Lonsdale (1,600 acre feet below gravitation level)	618.25		53,300	
Wartook (700 acre feet below gravitation level)	1,451.00		23,800	
Taylor's Lake (1,500 acre feet below gravitation level)	482.33		30,000	
Pine Lake (19,700 acre feet below gravitation level)	475.00		52,000	
Green Lake	452.50		6,600	
Dock Lake	442.00		4,800	
Moora (200 acre feet below gravitation level)	723.50		5,100	
Lower Wimmera Weirs			2,870	
Batyo Catyo (Avon Regulator)	402.00		5,000	
Lake Whittton	375.00		1,300	
Township Reservoirs and Mallee Tanks			5,030	
				538,900
Maffra—Sale System—				
Glenmaggie	244.00		106,000	
Service Basins (Stratford, Heyfield)			40	
				106,040
Coliban System—				
Upper Coliban	1,652.00		25,760	
Lauriston	1,574.20		16,000	
Malmsbury	1,477.00		14,400	
Spring Gully	899.00		2,000	
Subsidiary Reservoirs			4,630	
				62,730
Werribee System—				
Pykes Creek	1,306.00		19,400	
Melton	273.00		15,500	
				34,900
Bellarine Peninsula System—				
Wurdee Boluc	441.50		10,000	
Service Basins			850	
				10,850
Mornington Peninsula System—				
Lysterfield	221.50		3,400	
Beaconsfield	340.00		740	
Frankston	255.00		660	
Mornington	244.00		260	
Blitern	250.00		480	
Service Basins			260	
				5,800
Otway System—				
Service Basins				1,080
Miscellaneous—				
Eppalock	530.00		1,200	
Wonthaggi	238.00		1,550	
Wonthaggi Service Basins			10	
Newstead	806.00		30	
Hepburn's Lagoon	696.60		1,730	
Little River Weir			180	
Moorabool River Weirs			70	
				4,770
Total Capacity of Existing Storages				2,430,800
ADDITIONAL STORAGE BEING PROVIDED BY WORKS IN COURSE OF CONSTRUCTION.				
Goulburn System—				
Eildon Enlargement to 2,750,000 acre feet	950.00			2,389,000
Murray—Loddon System—				
Cairn Curran	684.50			120,000
FURTHER STORAGE WHICH WILL BE PROVIDED WHEN GATES ARE INSTALLED ON THE RESPECTIVE SPILLWAYS.				
Maffra—Sale System— Glenmaggie to 154,000 acre feet	256.00		48,000	
Murray System— Hume Reservoir to 2,000,000 acre feet (half share to Victoria)	626.00		375,000	
				423,000
TOTAL CAPACITY OF STORAGES WHEN WORKS ARE COMPLETED				5,362,800

(a) One foot below New South Wales Standard Datum.

(b) New South Wales Water Conservation Datum.

(c) River Murray Lock Site Datum. All other levels are to Victorian Railways Datum.

APPENDIX G.

VICTORIAN WATER SUPPLY STATISTICS.

AREA.	1953-54.	
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	19,886* square miles =	12,727,300* acres
Area of Irrigation Districts and other lands supplied for irrigation		2,499,400* acres
Area Irrigated (1953-54)		821,025 acres
Area within Flood Protection Districts		148,910* acres
Area within Drainage Districts		18,450* acres

* Gross area.

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	37
Number of subsidiary reservoirs and service basins	241
Total capacity of storages, 661,785 million gallons =	2,430,800* acre feet.

* Includes half share of Hume Reservoir and other River Murray Works.

Channels—Length—

Irrigation	4,884 miles
Domestic and Stock	8,049 miles
Drainage and Flood Protection	2,094 miles
Total	15,027 miles

Pipe Lines—Length—

Mains	273 miles
Reticulation	951 miles
Total	1,224 miles

Tanks—Excavated—

Number in Wimmera-Mallee Waterworks Districts	280 tanks
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Bores—

Number in Waterworks Districts	55 bores
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Water Deliveries—

Quantity water delivered from Commission's Works to water-users (excluding deliveries to Wimmera-Mallee and Other Domestic and Stock Systems)	1,011,556 acre feet
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RURAL DISTRICTS—

Administered by Commission—

	Number of Districts.	Number of Assessments.	Population.
Irrigation Districts	29	15,322	44,542
Waterworks Districts (including rural lands, Coliban System)	31	21,263	61,226
Flood Protection Districts	4	1,524* (46)	4,097* (67)
Drainage District	1	5,814	5,100
Totals	65 districts	43,923 assessments	114,965 persons

* Excluding figures in brackets which show the number of assessments 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	130	175,310 persons
" " Waterworks Trusts	127	339,270 "
" " Local Governing Bodies	16	100,510 "
Totals	273 towns	615,090 persons

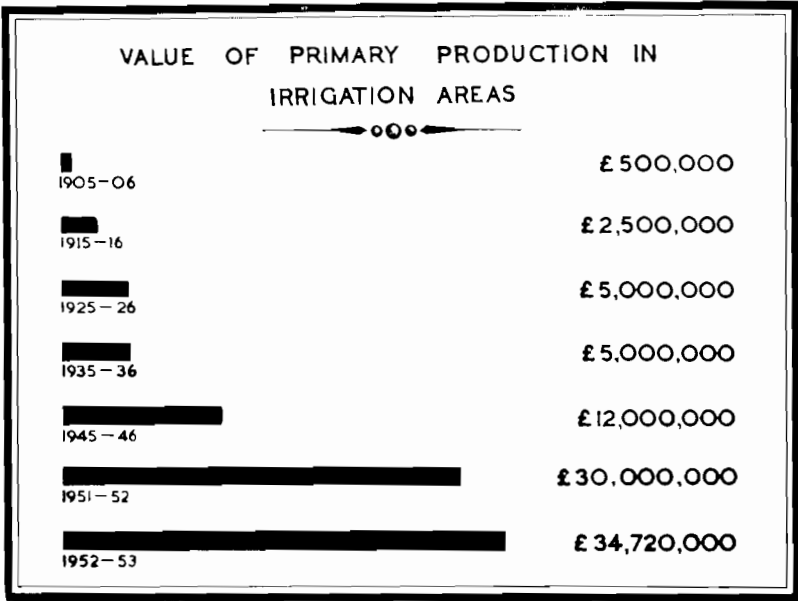
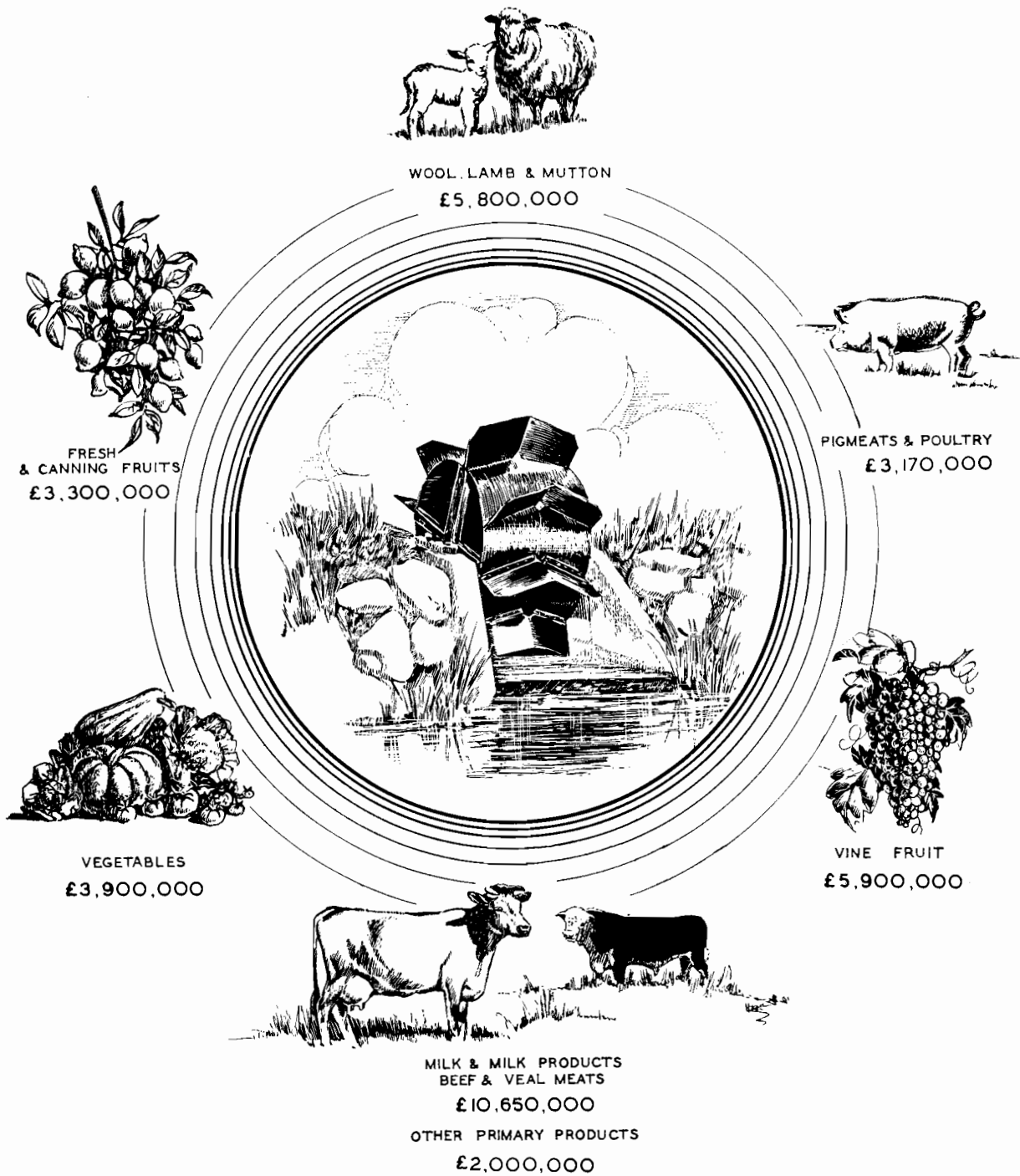
SEWERAGE AUTHORITIES—

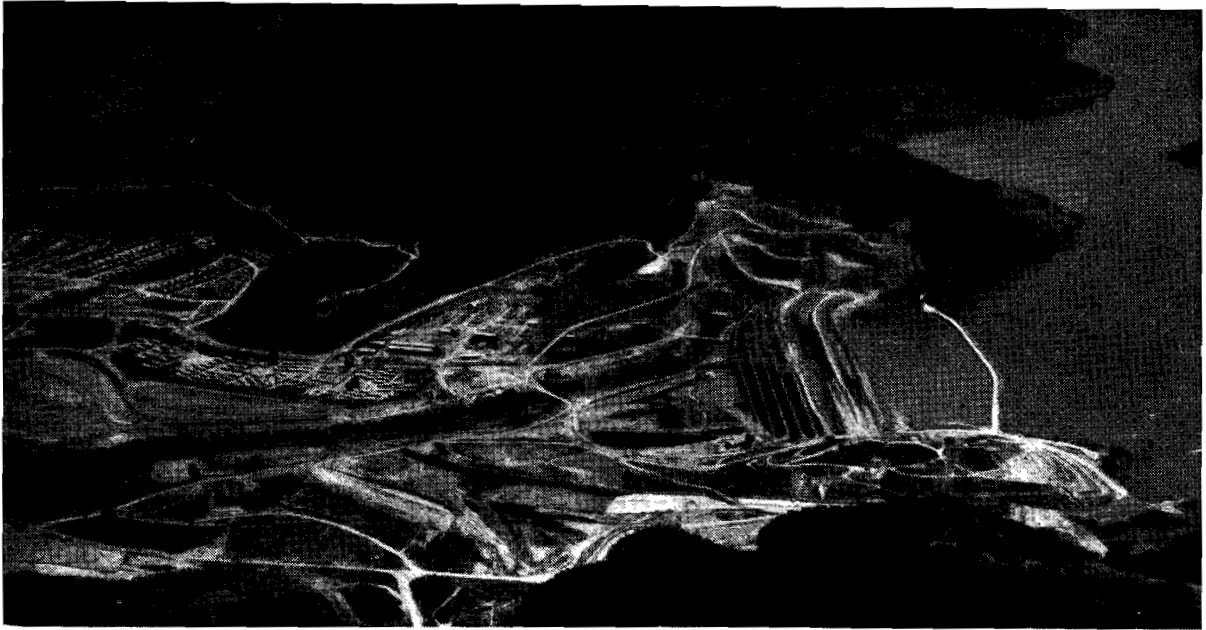
Controlled by Local Authorities supervised by Commission

	Number of Towns.	Population.
25 (Systems operating)	25 (Systems operating)	216,200 persons
5 (Systems partly operating)	5 (Systems partly operating)	12,850 "
30 (Systems not operating)	30 (Systems not operating)	80,720 "
Totals	60 towns	309,770 persons

CAPITAL LIABILITY FOR WATER SUPPLY—

Total to 30th June, 1954—(a) Borne by the State	£63,620,925
(b) Borne by the Districts	£8,174,146
Total	£71,795,071





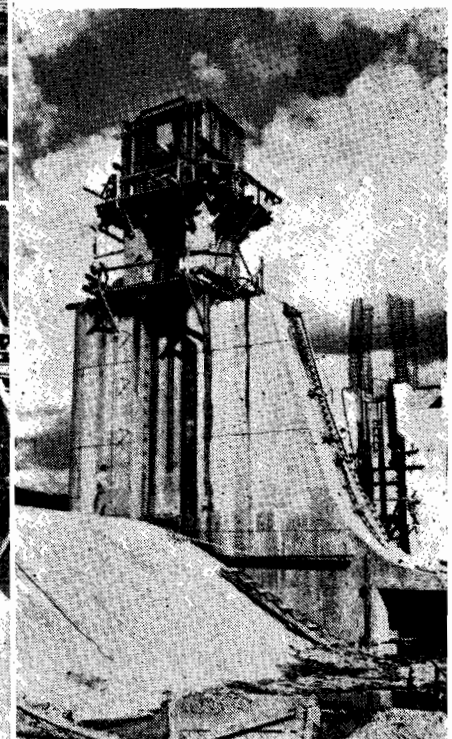
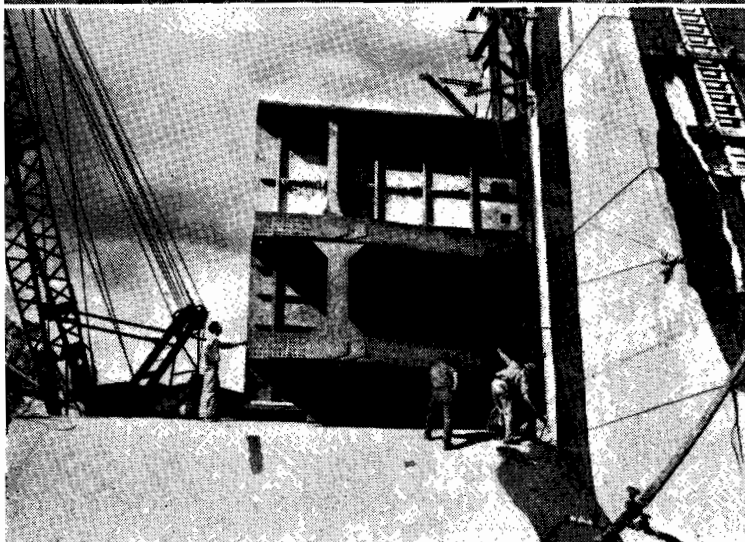
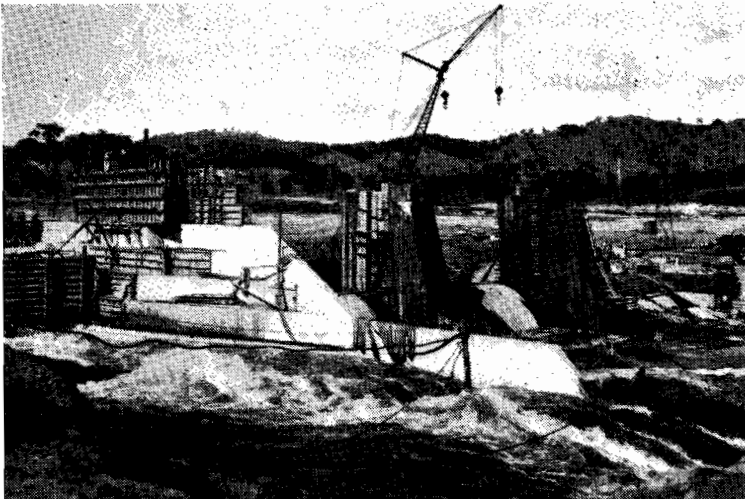
[Photo by J. D. Payens.]

BIG EILDON DAM AND RESERVOIR.

Construction of Big Eildon Dam is nearing completion. As shown in this aerial view, the embankment has been completed to the stage where the water it impounds has submerged all but the top of the old embankment. Water for irrigation is now released through the outlet tunnel under Mt. Sugarloaf in the background. The new spillway is under construction in the foreground. Immediately downstream from the dam are the workshops and hostel area. Portion of the new township is shown on the left.

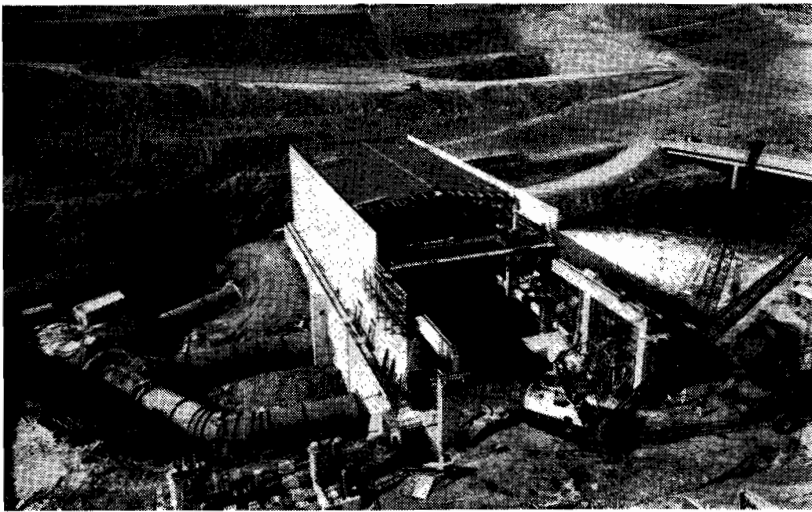
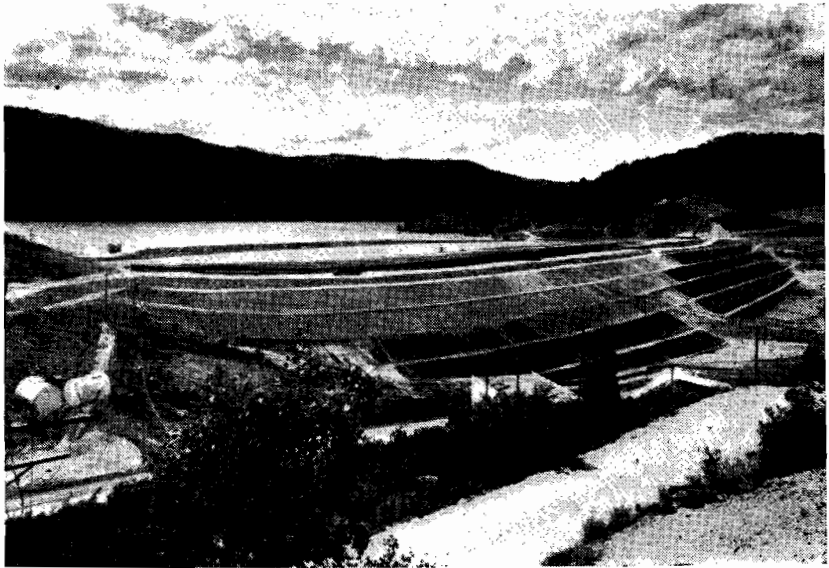
PONDAGE WEIR.

Water released from the reservoir for power and irrigation will be ponded by a weir now under construction some miles downstream from the dam. This weir, which will regulate the flow of water down the Goulburn River, will comprise a concrete structure 270 feet long and 45 feet high with three electrically-operated gates 65 ft. 6 in. wide by 20 feet high, and an earth embankment 1,780 feet long and 10 feet high across the river flats. The accompanying photos show various stages of construction of the weir.



BIG EILDON DAM.

Right : General view of the embankment, looking towards the Mt. Pinniger abutment. A total of 8,960,285 cubic yards of earth and rockfill have been placed in the embankment which has a present height of 170 feet. The completed height of the embankment will be 260 feet.



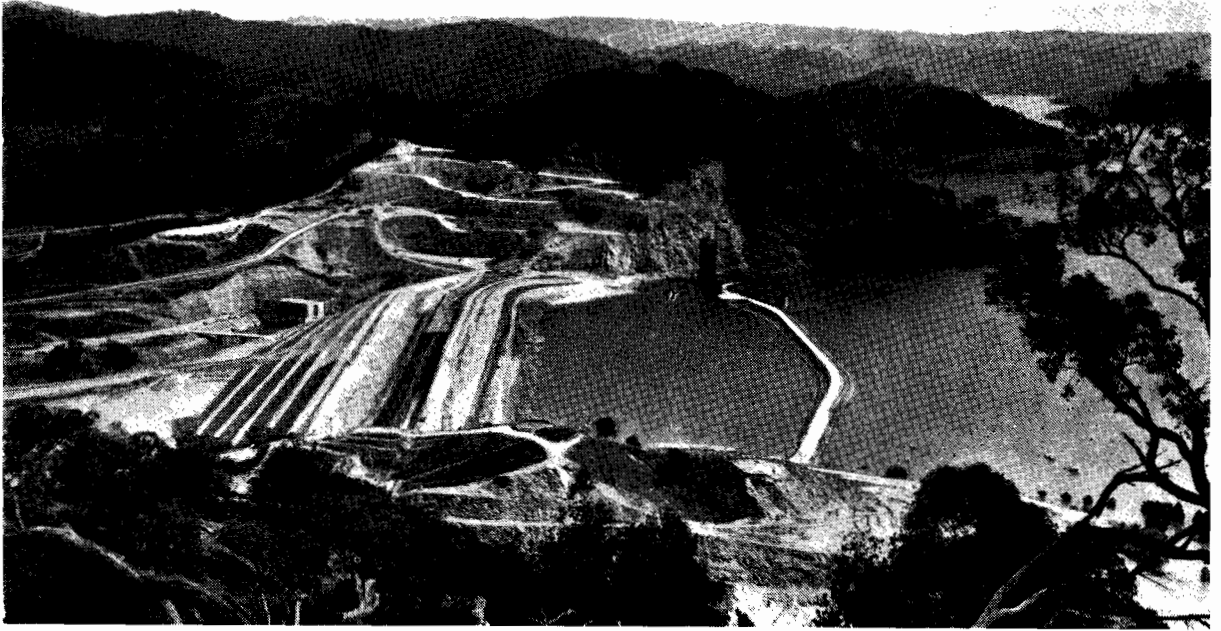
Left : Eildon power station under construction. The building is now substantially completed. Two turbo generators from the old Sugarloaf power station, each with a capacity of 7,500 kW. have been installed, and the tunnel and penstocks completed ready for water pressure tests to be carried out. When completed the Power Station will have a total capacity of 135,000 kW.



EILDON TOWNSHIP.

[Photo by J. D. Payens.]

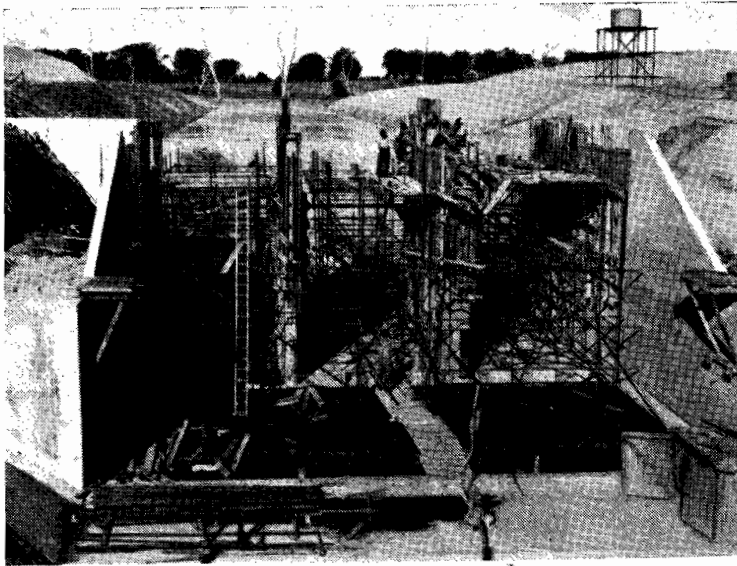
The well-developed model township of Eildon, consisting of 488 houses and 16 shops, has a population of approximately 2,700 people, including 1,000 workmen. The township will be sold on completion of the Eildon project.



This view from Mt. Pinniger shows the new embankment with the Mt. Sugarloaf quarry in the background. The outlet tower at the far end of the old embankment has been constructed to its full height of 235 feet. Water for irrigation and power released through the 1,400 ft. tunnel at the base of the tower is discharged through the power station downstream from the embankment. The excavation for the spillway approach channel is in the foreground.



Big Eildon spillway under construction. The approach channel in the background has a depth of up to 250 feet and maximum width of 300 feet. The spillway structure in the foreground will be 215 feet wide and 100 feet thick at the base, and 120 feet high. In addition to three vertical lift steel gates, each 65 ft. 6 in. by 20 feet, two 68-in. diameter needle valves will also be installed in the structure.



Construction of a duplicate channel between the Goulburn Weir and the Waranga Reservoir is the first stage of a plan for the enlargement of channels in the Goulburn Irrigation System to permit full utilization of the additional water which will become available on completion of the Big Eildon Project.

The earthworks involve the excavation of 4,700,000 cubic yards of material.

Left : Offtake regulator under construction at Goulburn Weir.

Right : Excavating the new channel. The contractor's plant includes a $7\frac{1}{2}$ cubic yard Bucyrus Erie 200 W. walking dragline which may be seen in background.

The depth of cut required for the channel varies from 7 to 64 feet, the bed width from 20 to 48 feet, and water depth will vary from 12 to 15 feet.



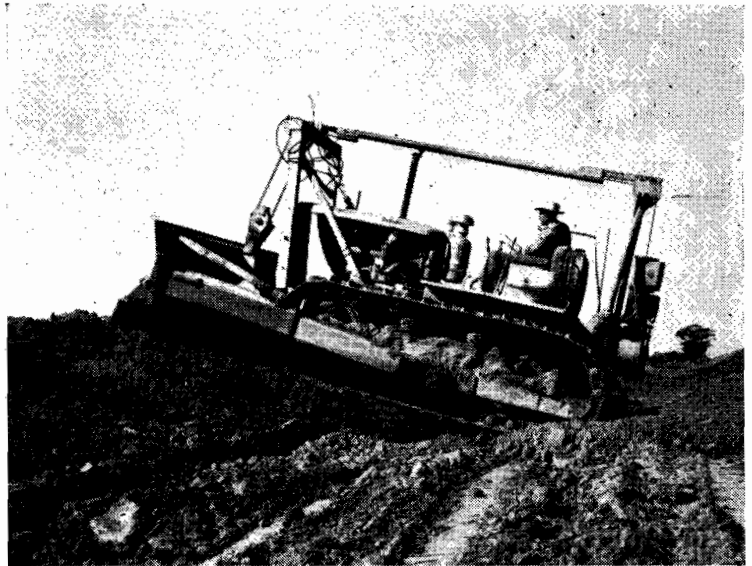
Right : Warner and Swasey Gradall trimming batters to design following initial excavation by dragline. The gradall is also used to take out the beaching notch in those sections of the channel where stone beaching is required.



Left : Beaching in progress. The stones, weighing not less than 35 lb. each, are embedded in 4 inches of fine gravel and packed with smaller stone fragments.

MURRAY VALLEY DISTRICT.

Right: Tractor with dozer attachment constructing a channel in the Murray Valley Irrigation District where a total area of 269,000 acres is being brought under irrigation. Channel reticulation of the District is now almost completed and 1,367 farms will be supplied with water for irrigation.



Left: Soldier Settlement Land being prepared for irrigation by the State Rivers and Water Supply Commission. During the year 2,694 acres were ploughed, 5,907 acres cultivated, and 1,766 acres graded. 788 acres were sown to lucerne, 1,256 acres to pastures, and 1,058 acres of orchards were planted.



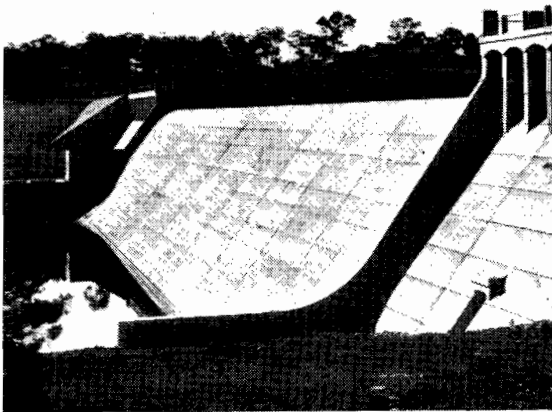
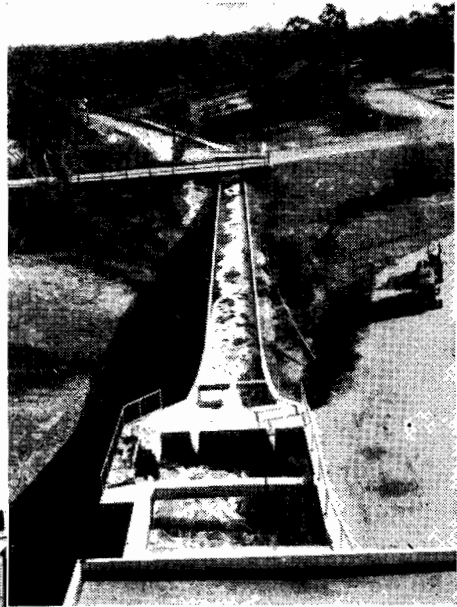
Right: Precasting concrete stops for distributary channels. Construction work completed during the year in the Murray Valley District included 130 miles of deliver channel and 27,100 cubic yards of scoop channel. 579 precast concrete stops and 65 pipe crossings were installed.



Left: Irrigated dairy farm established by the Commission. The original Soldier Settlement area of 60,000 acres comprise 401 dairy blocks, 100 fruit blocks, and 31 homestead blocks. A newly acquired area will provide an additional 41 dairy blocks.

ROCKLANDS RESERVOIR.

Right : View of energy dissipator and outlet channel which carries water from Rocklands Reservoir for a distance of 75 miles to Pine and Taylor's Lake storages, and thence into the Wimmera-Mallee domestic and stock water supply system.

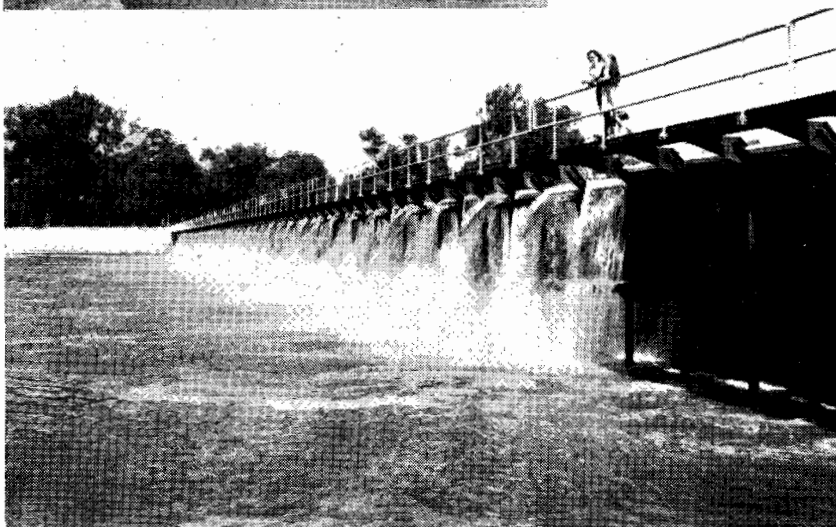


Left : Downstream face of Rocklands Dam which impounds 272,000 acre feet of water. Although primarily constructed to safeguard domestic and stock water supplies, a limited quantity of water has been allotted to enable the irrigation of a total of 7,000 acres of land in the vicinity of Horsham.

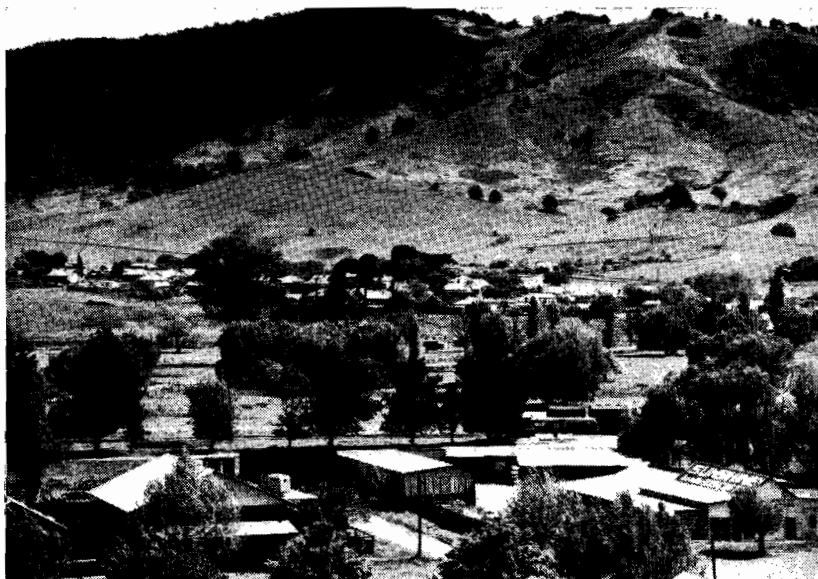


MILDURA WEIR.

Left : Steel trestle unit of Dethridge Weir being withdrawn from River Murray at Mildura. The trestles move on wheels running on steel tracks across the bed of the river. Experiments to prevent sanding of the submerged tracks have been carried out at the Commission's Hydraulic Research Station at Werribee with encouraging results.



Left : View of the weir in position across the river. The weir has a total length of 573 feet and raises the river level by 12 feet.

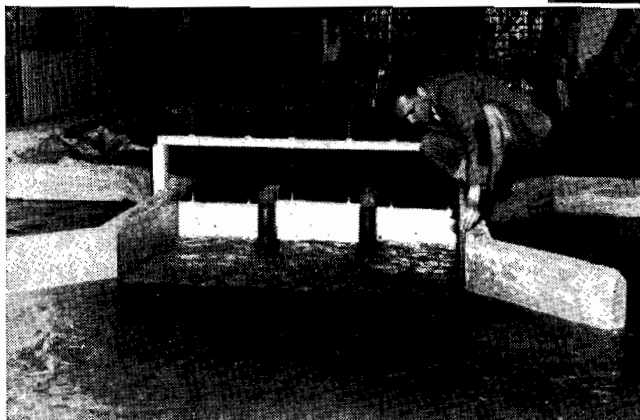
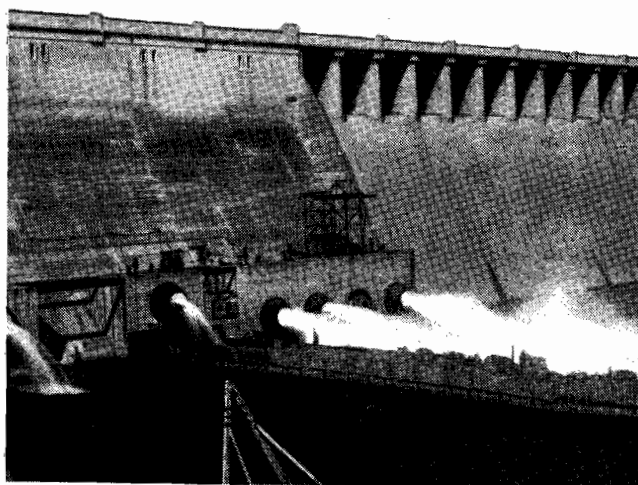


TALLANGATTA.

Left : Section of the existing township of Tallangatta. Most of the township will be submerged when Hume Reservoir is enlarged. The State Rivers and Water Supply Commission has almost completed construction of roads and water supply and drainage services on the new township site at Bolga and is preparing for the removal of timber houses from the present township.

HUME RESERVOIR ENLARGEMENT.

Right : Section of Hume Dam, with coffer dam in foreground. The reservoir is to be enlarged from 1,250,000 acre feet to 2,000,000 acre feet capacity, and probably to 2,500,000 acre feet. This work, together with the construction of a power station housing two 25,000 kW. turbo-generators is being carried out for the River Murray Commission by the New South Wales Department of Public Works.

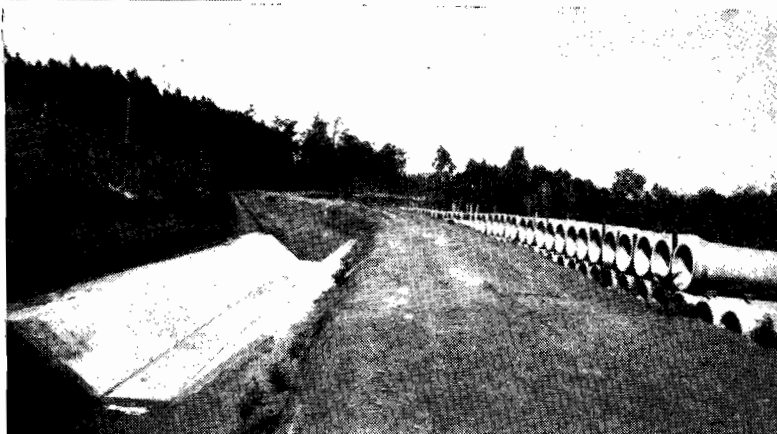


HYDRAULIC RESEARCH STATION.

Left : Testing of model of Maffra Diversion Weir in progress. Other work carried out at the Research Station includes the testing of models of Eildon Spillway and Eildon Pondage Weir, Mildura Weir, Cairn Curran Spillway, Glenmaggie Dam Outlet and Gunbower offtake. Tests on several other models are being continued.

TARAGO PROJECT.

Right : To meet the greatly increased demand for water supply on the Mornington Peninsula, the Commission has recommenced the project for the diversion of water from the Tarago River. The works include the construction of a tunnel 2 miles in length, numerous channel structures and a diversion weir. The photo shows concrete-lined section of channel completed prior to the suspension of work in 1952.



DRIED FRUITS PRODUCTION.

The production of fresh and dried vine fruits in Victorian irrigated vineyards was valued at almost £6,000,000 last year.

This growing industry has been responsible for the development of the thriving city of Mildura, and the towns of Red Cliffs, Merbein, and Robinvale in north-west Victoria, which now have a total population in the vicinity of 16,000.

The key to this development has been irrigation—the dried fruits industry and the population which it supports are wholly dependent on water pumped from the River Murray.

The pictures on this page, taken at Red Cliffs, show some of the steps in the production of dried vine fruits.



Above : A section of an extensive vineyard with picking in progress. Thousands of seasonal workers are employed during the picking season. The grapes are severed in bunches from the vines and placed in perforated dip tins ready for dipping.

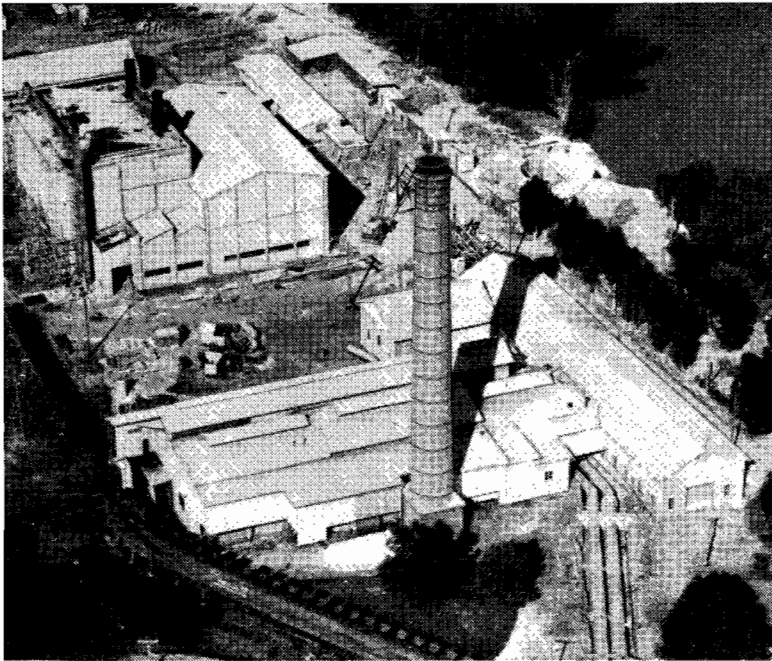


Above : Dip tins containing the fruit are lowered into a dipping solution, the temperature and constituents of which varies with the type of fruit treated.

Right : The fruit is thinly spread on wire-netting racks to dry. The racks are usually set in 8 to 10 tiers about 50 yards long and 4 feet wide, holding about 3 tons of fruit.



Left : After drying for about 14 days on the racks, the fruit is spread on water-proof sheets on the ground for final drying and sun-bleaching. The fruit is then placed in sweat-boxes for delivery to the packing sheds where machines wash, grade, stem, sterilize, and pack the finished product into boxes.



RED CLIFFS PUMPING STATION.

Aerial view of Red Cliffs Pumping Station, with the State Electricity Commission's package power station under construction in the background. The new plant being installed at Red Cliffs comprises two 80-cusec pumps driven by 1,000 h.p. electric motors, one 60-cusec pump driven by a 750 h.p. motor and a 40-cusec pump driven by a 500 h.p. motor.

TORRUMBARRY SYSTEM.

Right : Gunbower National Channel Headworks—reinforced concrete regulator under construction. The new regulator will replace the existing timber structure seen in background. It will have three 15 ft. by 12 ft. vertical lift steel gates which initially will be operated manually. Provision will be made for electrical operation of the gates at a later stage.



Left : Precast concrete flume section for installation on the Macorna Channel. Precasting of elements for bridge and channel structures is now carried out at the Commission's Central Plant Workshops, Bendigo.

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