

1960-61

VICTORIA

STATE RIVERS AND WATER SUPPLY COMMISSION

FIFTY-FIFTH
ANNUAL REPORT
1959-60

PRESENTED TO BOTH HOUSES OF PARLIAMENT PURSUANT TO THE PROVISIONS OF THE WATER ACTS.

[Approximate Cost of Report—Preparation not given; Printing (950 copies) £1,090.]

By Authority.

A. C. BROOKS, GOVERNMENT PRINTER, MELBOURNE.

No. 31.—[5s. 9d.]—9674/60.

STATE RIVERS AND WATER SUPPLY COMMISSION

100 Exhibition-street,
Melbourne, C.I.,

ANNUAL REPORT, 1959 - 60

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 1959-60, and Estimates for the ensuing year.

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

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

A. L. TISDALL, Commissioner,
M.Agr.Sc., M.A.I.A.S.

E. BROWN, J.P., Secretary.

29th March, 1961

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ANNUAL REPORT

OF THE

STATE RIVERS AND WATER SUPPLY COMMISSION

FOR

YEAR ENDED 30TH JUNE, 1960.

SUMMARY OF REPORT.

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

RESERVOIR CAPACITY.

The acquisition of the small Newlyn Reservoir from a local authority added 880 acre feet to the capacity of storages controlled by the Commission, bringing the total at 30th June, 1960, to 4,236,328 acre feet. In addition to this figure, River Murray storages with a combined capacity of 2,022,840 acre feet are shared equally by New South Wales and Victoria under the River Murray Waters Agreement, subject to certain obligations to South Australia. The total storage capacity available to Victoria is thus some 5,247,748 acre feet, which may be compared with 1,974,260 acre feet at 30th June, 1950.

Additional capacity available from works under construction, notably Hume and Eppalock Reservoirs, will lift the total capacity available to Victoria to 5,848,938 acre feet.

IRRIGATION DEVELOPMENT AND WORKS.

The area irrigated in 1959-60 was a record 1,052,782 acres, being 5 per cent. higher than the previous record of 1,001,800 acres in 1957-58. The number of authorized diverters was also a record at 4,494 compared with 4,036 in 1958-59.

Water deliveries for irrigation totalled 1,527,679 acre feet. Heavy rain starting in mid-April reduced the need for irrigation towards the end of the season and prevented the total deliveries from breaking the record of 1,603,790 acre feet delivered in 1957-58.

Value of production in 1958-59 was a record £55,175,000, compared with the previous highest figure of £53,000,000 recorded in 1957-58.

In the Goulburn Irrigation System, channel enlargement works to distribute additional water from Eildon and other reservoirs are half completed, and at the current rate of progress, the programme should be finished in about six years, subject to availability of funds.

Remodelling of the 21 miles of the East Goulburn Main Channel from the Broken River to Katandra Weir on the Nine Mile Creek, as part of the Goulburn System enlargement, proceeded very satisfactorily. Almost all the bank compacting and 80 per cent. of the excavation were finished, and the structures should be completed by the winter of 1961.

The new Rodney No. 6 Main Channel and the No. 8A (Wyuna Loop) Channels were completed, also the earthworks on 15 miles of other main channels and the channel works to complete supply to the Dunbulbalane Soldier Settlement Project of 75 orchard blocks.

In the Robinvale Irrigation District, drainage outfalls for all blocks should be completed in 1960-61.

Earthworks were finished on the 400 cusecs Cowwarr Main Diversion Channel which supplements the supply to the Nambrok-Denison area of the Macalister Irrigation District.

Work began on the Eppalock Reservoir Project to enlarge the present small storage to a capacity of 250,000 acre feet. This will provide 12,000 acre feet annually for use in the Coliban System, and some 55,000 acre feet for irrigation and domestic and stock use, mainly in the Goulburn Irrigation System.

Investigations are in progress to develop Green's Lake just north of Corop as a storage in the Goulburn Irrigation System. Possible storage sites in the Ovens River System and at Winton Swamp from a tributary of the Broken River are also being studied.

TOWN AND INDUSTRIAL WATER SUPPLY AND SEWERAGE.

The number of country towns now provided with reticulated water supplies by the Commission or by local Trusts and Authorities is 311 and these serve 732,178 persons. A new Urban District at Leopold was constituted this year, and local Authorities began supply to eleven additional towns, namely, Alvie, Buninyong, Coragulac, Cororooke, Fish Creek, Inverloch, Neerim South, Smeaton, Skipton, Streatham, and Wodonga East.

Expenditure by local water supply authorities on loan works was £2,489,809, of which £1,858,309 was advanced by the Government. Both of these figures were the largest in the history of the State.

A new reservoir for Castlemaine was substantially completed by the Commission by the end of the year.

Work was well advanced on the Central Highlands Project to bring 1,000 acre feet of water annually across the Divide to supply a new hardboard factory at Bacchus Marsh.

There are now 39 Sewerage Authorities with works in operation, including Springvale-Noble Park which commenced operations during the year. These serve 403,750 persons—more than a third of the population outside the metropolitan area.

Total capital expenditure on sewerage works was £2,485,510. Of this, £597,010 was provided from Government loan funds and the rest was authorized private borrowing. Both of these figures were records.

RIVER IMPROVEMENT, FLOOD PROTECTION AND DRAINAGE.

On the recommendation of the Parliamentary Public Works Committee, the Glenelg River Improvement Trust and the Strathdownie Drainage Trust, adjacent to one another in the vicinity of Casterton, have been constituted. Another River Improvement Trust was constituted for Whorouly Creek, a tributary of the Ovens River. There are now sixteen River Improvement Trusts and three Drainage Trusts in operation in Victoria.

The channel taking flood waters of the Woody Yaloak River, diverted from Lake Corangamite, came into operation, and 16,000 acre feet were diverted by the end of the year.

In the Carrum Drainage District, work began on a new outfall from Kananook Creek into the Bay at Seaford. The raising of the north bank of the Carrum Outfall, between Pillars Bridge and the sea, to a height of 6 feet above the record 1934 flood level, was completed.

FINANCE.

The total receipts for water rates and charges for the financial year 1959-60 amounted to a record of £2,615,705, the previous highest collection being £2,504,257 in 1958-59. Other receipts amounted to £1,078,561.

The Net Liability of the State for works of water supply and drainage at 30th June, 1960, was £114,395,278 exclusive of the equity in National Debt Sinking Fund.

Of the Net Loan Liability at 30th June, 1960, £7,993,903 is charged to Waterworks Trusts and other Local Governing Bodies; £6,790,289 is debited to districts directly controlled by the Commission and to Plant Workshops; £1,696,886 is debited to the Plant and Machinery Account; £140,388 to River Improvement Trusts; £2,278,338 to Latrobe Valley; and the balance £95,495,474 is borne by the State.

The total Interest Charges for 1959-60 amounted to £4,778,092.

Waterworks Trusts and Local Governing Bodies paid to the Treasury as interest on loans the sum of £311,343.

In addition, interest amounting to £150,819 in respect of Districts under its control was met by the Commission.

In districts, the capital liability of which has been adjusted, the operations for the year resulted in a net loss of £1,502 after providing for interest, redemption and depreciation.

A loss of £254,596 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, together with the cost of National Debt Sinking Fund operations, was £4,823,498.

The value of stores and equipment held in the Stores Suspense Account as at 30th June, 1960, was £837,736.

The value of moveable plant and machinery held in the Plant and Machinery Account as at 30th June, 1960, was £1,696,886.

A sum of £147,476 was paid into Consolidated Revenue in respect of depreciation payments by Commission's Districts for the year 1959-60.

The amount at credit of Water Supply Plant and Machinery Depreciation Fund as at 30th June, 1960, was £1,044,682.

The arrears of water rates and charges outstanding at 30th June, 1960, was £577,598.

The amount included in the Budget Estimate for 1960-61 for Vote Expenditure on works and services under the control of the Commission is £4,138,100. This amount is £559,056 less than the Commission's estimated requirements.

RATING.

The total net annual valuation of properties rated on this basis, within one Waterworks District, two Flood Protection Districts, Urban Districts including the Coliban System, and the Eildon Sewerage District, amounted to £6,452,830.

The total unimproved capital valuation of properties rated on this basis within Irrigation Districts, Waterworks Districts, and Carrum Drainage District amounted to £70,358,138.

The total number of rating assessments in the districts supplied with water by the Commission is 100,771, and the total number of assessments in Drainage, Flood Protection and Sewerage Districts is 8,368.

WATER SUPPLY AND SEWERAGE IN VICTORIAN COUNTRY TOWNS.

When the Commission was constituted in 1906, it took over responsibility for reticulated water supply systems then operating to serve 111 towns with a combined population of 261,000. Sewerage outside the metropolitan area was unknown.

By contrast, at 30th June, 1960, the Commission directly provided, or supervised, reticulated water supplies to 311 cities and towns with a combined population of 732,000. Including the metropolitan area, 2,500,000 persons, amounting to 97 per cent. of those living in cities, towns and townships in Victoria, are now served with reticulated water supplies by the Melbourne and Metropolitan Board of Works, the State Rivers and Water Supply Commission, and local water authorities. Over the last ten years, the increase in the total population served has been 35 per cent.

Over the period from 1906 to 1960, sewerage outside Melbourne has also made great strides, starting in 1909 at Geelong and steadily developing, until to-day, sewerage systems are operating in 40 cities and towns serving 404,000 persons, or approximately 38 per cent. of the population of cities, towns and townships outside Melbourne. Ten years ago, the total population sewered in Victorian country towns was 230,000.

To achieve this result, considerable sums of money have been needed. Excluding expenditure by the Melbourne and Metropolitan Board of Works, the cost of water supply at 30th June, 1960, was nearly £30,000,000, and expenditure on sewerage stood at a little over £13,000,000. Of the grand total of £43,000,000, approximately £11,000,000 had been advanced by private lenders, principally for sewerage works.

The capital liability for a very large proportion of country town water supplies is borne by the State, the position at 30th June, 1960, being summarized in the following table :—

TOWN WATER SUPPLY FINANCES.

	Water Supply Provided by—		Total.
	Local Authorities.	Commission.*	
	£'000.	£'000.	£'000.
Government Advances	15,100	13,750	28,850
Private Loans	1,025	Nil	1,025
	16,125	13,750	29,875
Redemption and Repayments ..	1,350 (8%)	650 (5%)	2,000 (7%)
Borne by State	3,800 (24%)	6,375 (46%)	10,175 (34%)
Borne locally	10,975 (68%)	6,725 (49%)	17,700 (59%)
	16,125 (100%)	13,750 (100%)	29,875 (100%)

* Including Coliban System.

Capital assistance to local authorities is provided by a “Formula” of State-wide application. It provides for a Government grant of 50 per cent. of any cost exceeding a “basic” figure well within the means of ratepayers. In the case of gravitation supplies, this is now fixed at approximately £125 per house served, with appropriate adjustments to allow for industrial consumption, pumped supplies, and cases where water is purchased by the Authority in bulk. The “basic” figure is varied when necessary, according to changes in the basic wage, to allow for changes in money values.

Substantial additional assistance is provided by interest subsidies, the Government either lending funds at 3 per cent. (on which the Treasury has to pay nearly 4½ per cent.) or paying the difference between 3 per cent. and the rate of interest payable on private loans. The Urban Districts supplied by the Commission get a comparable subsidy on practically all of the capital which they bear.

It will be noted that the proportion of capital directly borne by local authorities is much higher than the proportion at present borne locally by towns supplied by the Commission. This is because most Commission undertakings have been large systems of a developmental nature which could not be undertaken by local authorities, as they required heavy expenditures on headworks with capacities much above the immediate requirements of the areas served. Irrigation development from the Coliban System has involved substantial expenditure on additional storages.

Country sewerage authorities are also assisted by the Government under a "Formula" of State-wide application. Local people are expected to meet the whole of a low "basic" cost per tenement, at present amounting to £140 per house served, which is also adjusted to changes in the basic wage similarly to the water supply grants.

Above the "basic" amount, the Government provides a percentage of the capital ranging from 60 per cent. in the case of small towns and gradually decreasing as the number of tenements increases, until it cuts out entirely if there are more than 2,400 tenements (approximately 9,600 people) with appropriate adjustments to allow for industrial requirements.

To quote a few percentages, the Government provides a capital grant of 50 per cent. of costs in excess of the "basic" figure in the case of a town of 400 tenements (1,600 people), 35 per cent. for 1,000 tenements (4,000 people) and 10 per cent. for 2,000 tenements (8,000 people).

The policy of giving most help to smaller towns was adopted because sewerage costs, per tenement served, normally decrease as the population grows. However, although no direct capital grant is made to towns with more than 2,400 tenements, all authorities are helped very substantially by interest subsidies, which are made on the same basis as for water supply, to reduce the rate paid from local revenue to 3 per cent. With an average rate on loans of 5 per cent., this is equivalent to a subsidy of 40 per cent. of the total capital charges. This assistance is received by even the largest town.

In recent years, considerable progress has been made on country town water supply and sewerage in Victoria, as the following table shows clearly:—

PERSONS SERVED—COUNTRY TOWN WATER SUPPLIES AND SEWERAGE.

Date.	Water Supplies.			Sewerage.
	Local Authorities.	Commission.	Total.	
30th June, 1945	313,000	131,000	444,000	225,000
30th June, 1950	322,000	148,000	470,000	230,000
30th June, 1955	460,000	195,000	655,000	340,000
30th June, 1960	534,000	198,000	732,000	404,000

One feature of the table is the slow progress made in the early post-war years to overcome the backlog of requirements arising from the deferment of capital works in wartime because of a shortage of men, materials, and money. In the last few years, as these shortages of men and materials have been overcome, sufficient funds have been made available to enable the work to be pushed ahead at an unprecedentedly rapid rate. Over the past five years, funds provided for the work have been:—

Year.	Water Supply.			Sewerage.	Grand Total.
	Local Authorities.	Commission.*	Sub-total.		
	£'000.	£'000.	£'000.	£'000.	£'000.
1955-56	1,299	1,163	2,462	1,227	3,689
1956-57	1,584	1,227	2,811	1,763	4,574
1957-58	1,574	1,121	2,695	1,411	4,106
1958-59	2,195	1,059	3,254	2,329	5,583
1959-60	2,490	1,420	3,910	2,486	6,396

* Excluding contribution to Mountains Area Water Supply.

In one way or another, the State now contributes annually £700,000 to subsidize country town water supply and £175,000 to assist Sewerage Authorities. This substantial assistance is a major factor in promoting decentralization, by providing services essential for the establishment of industries, and by encouraging farmers to settle in retirement in country towns.

SPECIAL EVENTS, COMMITTEES AND OVERSEAS VISITS.

Tullaroop Dam—Official Opening.

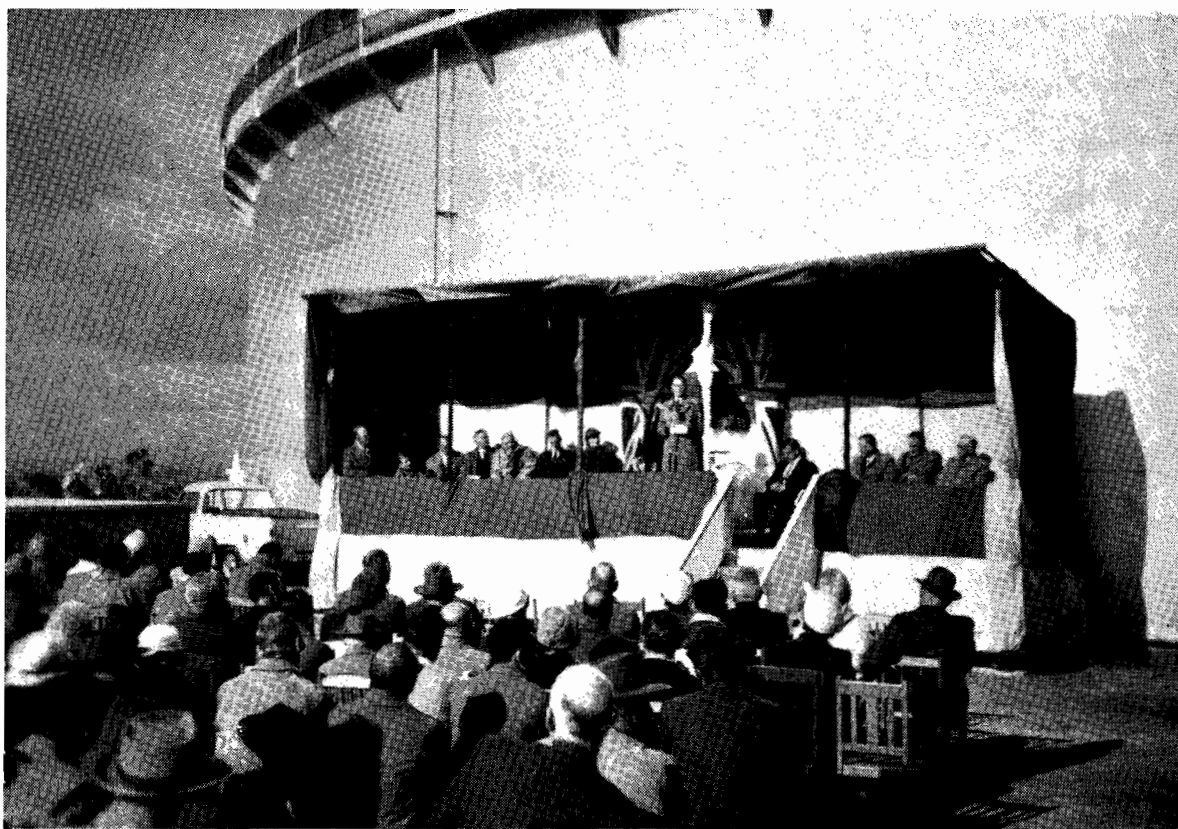
The Premier of Victoria, the Honorable H. E. Bolte, M.L.A., officially opened Tullaroop Dam, on Tullaroop Creek—a tributary of the Loddon River—on Friday, 27th November, 1959.

The reservoir will store up to 60,000 acre feet of water, and was completed well ahead of schedule and below its estimated cost. It will provide ample water for the development of Maryborough and enable an extra 20,000 acre feet of water to be used for irrigation and domestic and stock purposes downstream.

Sorrento Water Storages—Official Opening.

At the invitation of the Minister of Water, Supply, the Honorable W. J. Mibus, M.L.A., Mr. Roberts Dunstan, D.S.O., M.L.A., officially opened the newly-constructed Sorrento Storages, at Sorrento, on Thursday, 28th April, 1960.

The storages comprise two 3,000,000-gallon tanks, constructed of welded steel, on a hill overlooking Sorrento. Water from the storages will augment supplies to the rapidly-developing Dromana-Portsea area of the Mornington Peninsula.



The Deputy Chairman of the Commission, Mr. H. W. McCay, addressing the audience gathered at an opening ceremony to mark construction of two 3,000,000-gallon storage tanks at Sorrento.

Eppalock Dam—Commencement Ceremony.

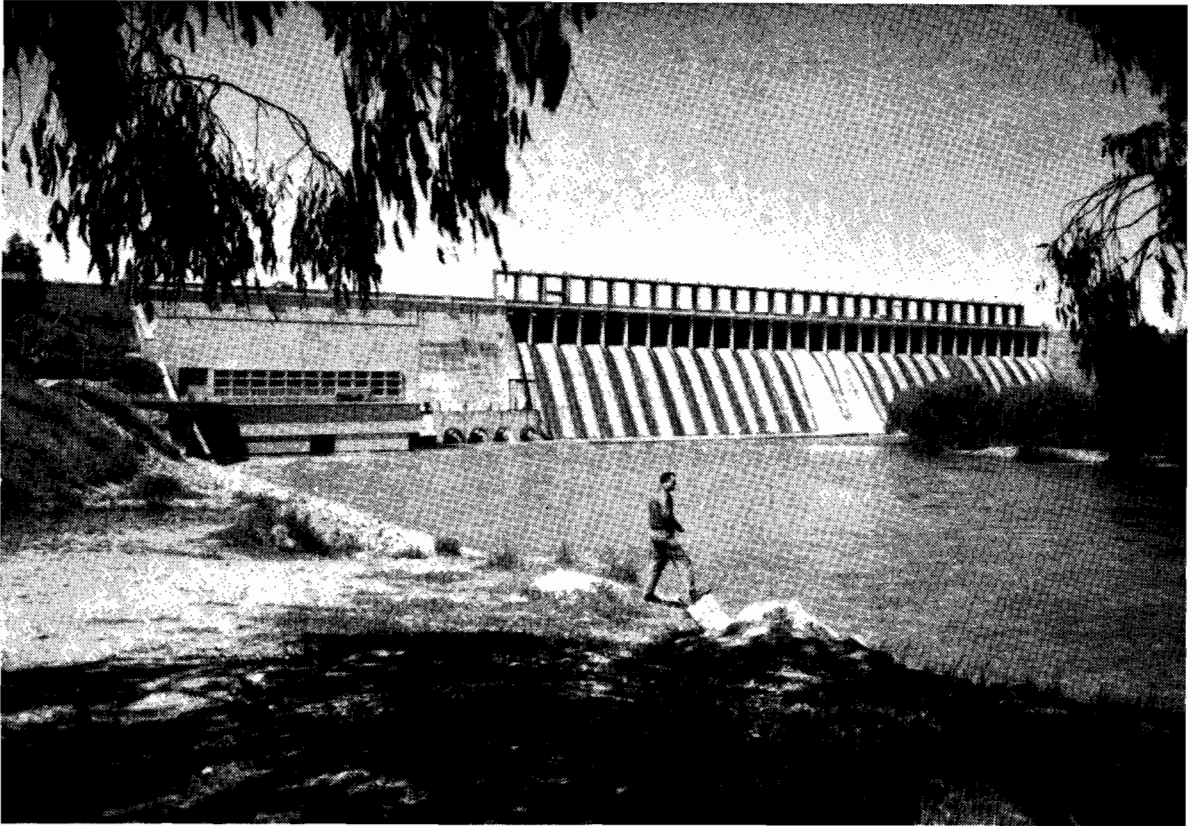
The Premier of Victoria, the Honorable H. E. Bolte, M.L.A., officially commenced the construction of Eppalock Dam on the Campaspe River on Thursday, 9th June, 1960.

Further information about this project is given on pages 15 and 34.

River Murray Commission.

The River Murray Commission is constituted by and administers the River Murray Waters Agreement, which provides for the regulation and inter-State apportionment of River Murray waters. The Agreement dates from 1915 when it was ratified in its original form by the Parliaments of the Commonwealth and the States of New South Wales, Victoria, and South Australia. There are four Commissioners, representing the Commonwealth and the three States.

Meetings of the River Murray Commission during the year were attended by Mr. L. R. East, Commissioner representing Victoria, and, during Mr. East's absence overseas, by Mr. H. W. McCay, as Deputy Commissioner for Victoria.



View of Hume Reservoir, the principal storage on the River Murray, showing gates and gate-lifting superstructure erected for the enlargement of the reservoir's capacity to 2,500,000 acre feet. The new power station is on the left.

The Snowy Mountains Council.

The Snowy Mountains Council is constituted under the Snowy Mountains Hydro-electric Agreements, which came into operation in January, 1959, on ratification by the Parliaments of the Commonwealth and the States of New South Wales and Victoria. The duties of the Council include the direction and control of the operation of the permanent works of the Snowy Mountains Hydro-electric Scheme constructed under the Agreements by the Snowy Mountains Hydro-electric Authority, and advising on the co-ordination of works undertaken by the Authority and the two States in connexion with irrigation and the generation and transmission of electricity.

The Council consists of eight members, two each representing the Commonwealth, the respective States, and the Authority.

Meetings of the Council during the year were attended by Mr. L. R. East, and during Mr. East's absence overseas, by Mr. H. W. McCay, as members representing Victoria.

International Commission on Irrigation and Drainage.

The International Commission on Irrigation and Drainage, constituted in 1950, is an international organization established to pool experience in the engineering, economic, and social aspects of irrigation and drainage for the mutual benefit of the participating countries. Forty-six countries, including Australia, are members.

The Australian National Committee of the International Commission, comprising representatives of Statutory Authorities, Government Departments, firms, and individuals actively interested in irrigation and drainage, was set up in 1953. The State Rivers and Water Supply Commission is a member of the organization, and is represented on the Committee by Mr. L. R. East.

Mr. East, a Vice-President of the International Commission, attended the Fourth Congress of the Commission in Spain in May-June, 1960, accompanied by the Chief Irrigation Officer of the State Rivers and Water Supply Commission, Mr. W. P. Dunk.

Land Utilization Advisory Council.

The Land Utilization Advisory Council is constituted by the Soil Conservation and Land Utilization Act. Its functions are to make recommendations to the Soil Conservation Authority as to the constitution and definition of "water supply catchment areas", and to advise the Minister for Conservation and the Authority on policy in regard to land use in such "areas" after their proclamation.

The Council consists of five heads of State departments—Soil Conservation, Agriculture, Forests, Lands and Water Supply—or their respective nominees. Meetings during the year were attended by Mr. East as Chairman of the State Rivers and Water Supply Commission, or by Commissioner A. L. Tisdall as his nominee.

As a result of recommendations made by the Council, the Wimmera (Grampians), Lancefield-Romsey and Macedon, Woodend and Mount Macedon water supply catchments were proclaimed during the year.

Underground Water Conference of Australia.

Following on the recommendations of the Commonwealth-States Conference on Underground Waters held in June, 1959, a permanent Conference has been set up, called "The Underground Water Conference of Australia", consisting of two representatives from each State and representatives from appropriate Commonwealth organizations. Mr. L. R. East has been appointed by the Government as a Victorian representative for the permanent Conference, with Mr. H. W. McCay as deputy.

Wildlife Reserves Investigation Committee.

This Committee was set up by the Government in 1959 with the following terms of reference :—

- (1) To consider what areas of land, having regard to present land usages and other needs of the community, should be reserved for wildlife, and on what terms and conditions.
- (2) To advise as to whether existing legislation is adequate for such reservations, and, if not, to recommend any necessary amending legislation.
- (3) Any other matter which appears to the Committee to be relevant to the proposal.

Commissioner A. L. Tisdall is the Commission's representative on the Committee, which inspected several possible reserves during the year and made final recommendations concerning a number of areas.

Overseas Visits.

Mr. L. R. East, Chairman of the Commission, left Australia in March on a four months' official visit overseas. Besides attending the Fourth Congress of the International Commission on Irrigation and Drainage (see page 12), Mr. East's itinerary also included brief visits to Israel, Italy, the United Kingdom, Canada, and the U.S.A., to take part in conferences and to study developments in the engineering and administrative aspects of water supply, drainage, and flood control.

During Mr. East's absence, Mr. H. W. McCay, Deputy Chairman, acted as Chairman of the Commission, and Mr. E. Brown, Secretary, was appointed Acting Commissioner.

Mr. W. P. Dunk, Chief Irrigation Officer, also attended the Fourth Congress, and independently visited the U.S.A., the United Kingdom, and Italy, investigating developments in chemical weed control and in irrigation and drainage practices.

Following a request to the Commonwealth Government by the Government of Viet Nam, for expert advisory services by engineers experienced in the development of irrigation projects, the Commission made available, shortly before his retirement, Mr. H. E. Harding, Senior Divisional Engineer for Rural Water Supplies, and Mr. G. W. D. Kermode, Executive Engineer. Mr. Harding spent six weeks in Viet Nam. and Mr. Kermode will remain there for a year.

LEGISLATION.

Water (Irrigation) Act 1959, No. 6582.

This Act, effective from 1st July, 1959, made important changes in the law relating to the constitution and finances of Irrigation Districts—previously called Irrigation and Water Supply Districts.

It reconstituted all the Irrigation Districts, thus consolidating the many amendments that had been made to District boundaries, some dating from the days of the Irrigation Trusts. The Districts are now defined by reference to a set of official plans, held in the Central Plans Office, which will be kept up to date in accordance with any future amendments made by the Governor in Council.

In reconstituting the Irrigation Districts, the Act united all the northern gravitational Districts to form the one Goulburn–Murray Irrigation District, and reaffirmed the union of the Maffra–Sale and Central Gippsland Districts (previously effected by an Order in Council) to form the Macalister Irrigation District. The Goulburn–Murray and Macalister Irrigation Districts were at the same time divided into “Irrigation Areas” corresponding geographically with the previous Districts.

The Act provides for the Irrigation Areas to be dealt with individually in regard to Registers of Lands, water rights, and valuations, but rates and charges will be on a District basis.

The amount of the general rate, previously determined from year to year with some difficulty, due to obscurity in legal requirements, is prescribed by the new Act to be a fixed amount of 1d. in the £1 of Unimproved Capital Value (U.C.V.) or 6d. in the £1 of Net Annual Value (N.A.V.).

The new Act remedies the previous inadequate provisions for dealing with variations in District revenue and expenditure. Depreciation Funds formerly provided for renewing old works, but other variations in revenue and expenditure, arising out of differences in seasonal conditions and the influence of major maintenance tasks carried out at irregular intervals, were not provided for. The existence of these factors demands long-term budgeting, but until the new Act, this was impossible because there was no provision for Districts' balances to be carried forward.

These problems are overcome, and continuity and stability of District finances ensured under the new Act, by the establishment of an Irrigation Districts Maintenance Equalization and Renewals Account. Equities in the Depreciation Funds of the Irrigation Districts are transferred to the new Account, which will also receive any annual surpluses (and from which any losses can be recovered) occurring after 1958–59. This will enable revenue and expenditure to balance over a number of years, without irregular movements in rates and charges. Losses up to 30th June, 1959, are being borne by the State.

Subsidies may be authorized by the Governor in Council towards the costs of any pumping District or any District in which the requirements are exceptional because of natural disasters or other special cause. Deficiencies made up by subsidies will not be regarded as recoverable losses.

As before, drainage rates must cover expenditure on drainage only. However, provision is added (similar to the one in respect of irrigation charges) for revenues to be raised for accruing maintenance and future renewals of drainage works. Moneys raised for this purpose will form part of the Districts' credit in the Irrigation Districts Maintenance Equalization and Renewals Account.

PARLIAMENTARY PUBLIC WORKS COMMITTEE.

Eppalock Reservoir.

The Committee began its enquiry into this question in 1958-59, under the following terms of reference :—

- (a) The desirability and practicability of increasing the capacity of the present Eppalock Reservoir on the Campaspe River.
If it is found desirable and practicable to increase the capacity of the present reservoir—
- (b) The extent to which the capacity should be increased and the cost of providing for such increase ; and
- (c) The purpose for which the waters which would be conserved in the enlarged reservoir should be used ;
- (d) Any other matters which appear to the Committee to be relevant to the inquiry.

It presented its findings in November, 1959, and made these recommendations :—

- (1) That the existing Eppalock Reservoir be enlarged to impound 250,000 acre feet of water, the estimated cost of which enlargement as at 1st March, 1959, was £3,000,000, and the cost of the works for the distribution of such water was, at that date, estimated at £2,000,000.
- (2) That, in order to reduce to a minimum the amount of silt entering the enlarged reservoir and, at the same time, increase the productivity of the catchment area of the reservoir, erosion mitigation, soil conservation, and extensive pasture improvement be undertaken therein and that not less than £50,000 per annum for a period of ten years be made available for this work. The question of further amounts necessary to be reviewed at the end of the ten-year period.
- (3) That the construction of the dam be not commenced until such work in the catchment area is started.
- (4) That, as well as carrying out soil conservation and erosion control measures in the catchment area, the Soil Conservation Authority continue and extend experiments as to the amount of run-off water occurring before and after such measures and pasture-improvement techniques are undertaken in the catchment area.
- (5) That a co-ordinating body consisting of representatives of the Department of Agriculture, the Soil Conservation Authority, the Forests Commission, the State Rivers and Water Supply Commission, and of municipalities in the catchment area of the Eppalock Reservoir be established immediately so as to ensure the maximum efficiency in carrying out works for the improvement of the catchment as above mentioned.
- (6) That the annual outflow of water available from the enlarged reservoir be used for the following purposes (as set out in one of the Committee's Conclusions).
 - 12,000 acre feet for use in the Coliban System, including supply to the City of Bendigo ;
 - 10,000 acre feet for use directly from the river below the reservoir by such persons as may be granted authority to divert water by pumping ;
 - 20,000 acre feet for development of the already constituted Campaspe Irrigation District ;
 - 20,000 acre feet (maximum) for use in the Goulburn Irrigation System through the Waranga-Western Channel ;
 - 1,000 acre feet (minimum) for domestic and stock use where required ; and
 - 4,000 acre feet (maximum) for tobacco production in the Torrumbarry System for temporary use by private diverters pending the time when supplies become available from the River Murray.

- (7) That the allocation of such annual outflow of water be reviewed at the expiration of not less than five years after the completion of the dam and distribution works.

A dissenting opinion from Recommendation 5, which called for a co-ordinating authority, was made by a member of the Committee on the ground that departmental co-ordination was already provided for by the Land Utilization Advisory Council (see page 13), and that co-ordination with the landholders was obtainable by means of existing soil conservation district advisory committees. The Government accepted all the recommendations except No. 5 relating to the suggested co-ordinating authority.

Strathdownie Drainage Trust.

The Committee was asked to inquire and report as to:—

- (1) The proposals for certain lands in the Strathdownie District west of Casterton as set forth generally in an application submitted by the Glenelg Shire Council for the constitution of a Strathdownie Drainage Trust and District with particular reference to—
 - (a) the practicability and cost of carrying out these works ;
 - (b) whether the benefits to be derived from the works by the landowners and the State would justify this expenditure ;
 - (c) what contribution towards capital cost might be made from State funds having regard to the benefits to the State.
- (2) Any other matters which appear to the Committee to be relevant to the inquiry.

In its report of 7th October, 1959, the Committee recommended :—

- (1) That a Drainage District under the jurisdiction and control of a Drainage Trust within the provisions of the *River Improvement Act* 1958 be constituted.
- (2) That the Trust be assigned the name of “ The Strathdownie Drainage Trust ”.
- (3) That the Trust be composed of five Commissioners, one to be appointed by the Governor in Council, one to be elected by the Shire of Glenelg, and three to be elected by the ratepayers of the Drainage District.
- (4) That the basis of the Government subsidy be £1 for each £2 provided by the ratepayers of the Drainage District.

A dissenting opinion to Recommendation 4 was made by a member of the Committee, who contended that there should be no departure from the principle followed as to the basis of subsidy in other drainage districts, viz., £1 provided by the Government to £1 by the ratepayers. However, the Government accepted the recommendations of the Committee in full.

Glenelg River Improvement Trust.

The Committee was asked to inquire and report as to—

- (1) The proposals for certain river improvement works along 50 miles of the Glenelg River above and below Casterton and on the Wando River and Wando Vale Ponds Creek as set forth generally in the application submitted by the Glenelg Shire Council for the constitution of a Glenelg River Improvement Trust and District, with particular reference to :—
 - (a) the practicability and cost of carrying out these works ;
 - (b) whether the benefits to be derived from the works by the landowners and the State would justify this expenditure ;
 - (c) what contribution towards capital cost might be made from State funds having regard to the benefits to the State.
- (2) Any other matters which appear to the Committee to be relevant to the inquiry.

In its report, of 13th October, 1959, the Committee recommended :—

- (1) That a River Improvement District be constituted.
- (2) That the District be under the control of a Trust to be known as “ The Glenelg River Improvement Trust ” consisting of seven Commissioners. (One of these is to be appointed by the Governor in Council, one to be elected by the Council of the Shire of Glenelg, and five to be elected by the ratepayers of the River Improvement District).
- (3) That the contribution towards capital cost from State funds be on the same basis as that which at present applies to other River Improvement Trusts for approved river improvement works, i.e., £5 Government Grant to each £1 found by the Trust.

The Government accepted the Committee's recommendations without amendment.

Wimmera River.

The Committee was requested to enquire into—

- (a) The desirability and practicability of providing for increased storage of water on the Wimmera River and tributaries.
- (b) Any other matters which appear to the Committee to be relevant to the inquiry.

Evidence was submitted to the Committee on behalf of the Commission. The inquiry is proceeding.

IRRIGATION.**Area Irrigated.**

The total area irrigated in 1959-60 was a record 1,052,782 acres, being 5 per cent. higher than the previous record of 1,001,800 acres in 1957-58.

Details of areas irrigated in 1959-60 are given in Appendix C. The summarized figures are shown below, giving a comparison with the two previous years.

AREAS IRRIGATED 1957-58 TO 1959-60—ACRES.

System.	1957-58.	1958-59.	1959-60.
Goulburn-Loddon System	448,694	429,417	475,930
Murray Systems	374,626	349,607	390,123
Torrumbarry	230,974	206,799	238,503
Murray Valley.. .. .	102,312	101,359	109,958
Pumped*	41,340	41,449	41,662
Southern Systems	61,599	68,474	66,876
Macalister	49,408	53,996	54,773
Bacchus Marsh-Werribee	12,191	14,478	12,103
Other Commission Systems	15,931	16,680	17,147
Private Diversions†	100,950	101,588	102,706
	1,001,800	965,766	1,052,782

* Includes First Mildura Irrigation Trust.

† In addition, approximately 25,000 acres are irrigated by private diverters in the Torrumbarry System and included in the figures for that System.

The outstanding feature of the table is the increased area irrigated in the Goulburn-Loddon System, but the Torrumbarry System, Murray Valley Area and Macalister District also posted record figures.

Some notable changes have occurred in the use made of irrigated land. Compared with 1957-58, when the previous record was established, the most conspicuous feature has been an increase of nearly 20 per cent. (75,000 acres) in the area under perennial pastures. The area of native and annual pastures and fodder crops, on the other hand, has declined by about 5 per cent. (25,000 acres).

Of the more intensive crops, the orchard area has increased by 7,000 acres (20 per cent.) to bring the total above the figures established before the 1955-56 flood losses. The area irrigated to grow tobacco, not shown separately, has also increased very rapidly. This is only 4,000 to 5,000 acres, but its value is considerable, and out of all proportion to its size.

Water Deliveries.

The 1,527,679 acre feet of water delivered for irrigation was below the record of 1,603,790 acre feet established in 1957-58, but well above the 1,257,597 acre feet delivered in 1958-59, previously the second highest figure recorded.

Good general rain in mid-September and further rain at irregular intervals throughout the irrigation season caused periodic reductions in demand. Despite this, and certain limitations placed on "sales" to prevent over-development on individual holdings beyond their ultimate water entitlements, total deliveries within Irrigation Districts by mid-April were 20,000 acre feet greater than at the corresponding date in the record 1957-58 season. However, as a result of widespread rains commencing in mid-April, minor volumes only were delivered during the remainder of the season.

Abnormally dry conditions during the winter of 1959 meant that when irrigation commenced in August all storages were below capacity. The position improved greatly following good spring rains, and by the end of October, supplies for the season were assured, yet by mid-April several storages were severely depleted as a result of the heavy demand.

Inflows from mid-April to 30th June, 1960, were above average, and at the latter date there was a favourable prospect of all storages filling before the 1960-61 season started.

Deliveries in the last three years are summarized below. Details for 1959-60 will be found in Appendix B.

DELIVERIES FOR IRRIGATION, 1957-58 TO 1959-60—ACRE FEET.

Delivered to Districts.*	1957-58.	1958-59.	1959-60.
Goulburn-Loddon System	657,384	449,281	610,012
Murray System	566,914	437,440	518,775
Torrumbarry	241,002	168,931	201,340
Murray Valley	200,774	152,602	191,299
Pumped†	125,138	115,907	126,136
Macalister System	70,890	76,446	81,234
Werribee System	16,847	16,124	17,654
Other Commission Districts	30,188	30,384	29,900
Private Diversions	261,567	247,922	270,104
	1,603,790	1,257,597	1,527,679

* Including users outside districts from district channels.

† Including First Mildura Irrigation Trust.

Co-operative Agricultural Investigations.

In conjunction with the Department of Agriculture, soil surveys were continued in the Rodney, Rochester, and Campaspe Districts. A soil survey was also carried out in the small Beverford area near Swan Hill. Field work was completed in 1959-60 for 108,000 acres.

Appeals Boards, comprising representatives of the irrigators, the Department of Agriculture, and the Commission, were held in the Boort and South Shepparton Irrigation Areas, giving irrigators dissatisfied with the description of their lands in the Register of Lands an opportunity of appeal.

Groundwater and Drainage Investigations.

Work was concentrated in the Macalister Irrigation District where the groundwater table continued to rise, making some 2,000 acres of land waterlogged and salt-affected.

To determine the extent and physical composition of aquifers, the direction of groundwater flow and the magnitude of fluctuations of groundwater levels in response to irrigation, rainfall, and artificial drainage, 188 bores have been sunk. The evidence points to an intake area of very permeable irrigated soils on high lands in the north-west of the District as the main source of groundwater.

Sixty-six flowing bores, with a total flow of about 4 cusecs to drainage outfalls, have stabilized groundwater levels in some areas, but elsewhere, tests indicate that pumping offers the most effective method of control. A contract was let for one drainage pump, and more pumps will be installed at other sites.

The practicability of draining saturated aquifers into deeper unsaturated layers was tried, but proved unsuccessful owing to the extreme fineness of sands in the deeper layers.

In co-operation with the Department of Agriculture, measurements were made of the rate of soil moisture depletion between irrigations in different soil types at different stages of the irrigation season. The main aim of the investigations is to improve the design of surface drainage systems by relating the amount of run-off to soil-moisture cycles. Indirectly, the measurements are also providing data on water consumption by pastures.

Efficient Water Use.

Irrigation practices on vineyards at Red Cliffs and Merbein were systematically examined. This study showed that excessive water use could be substantially reduced by the more general adoption of improved methods. In collaboration with District staff, a comprehensive extension programme is being undertaken to improve vineyard management, particularly irrigation practices. This is being done by lectures and demonstrations to groups of irrigators and at schools, and dissemination of information to individual irrigators through the agency of water bailiffs.

At Nyah West, the problem of establishing and maintaining pastures on old vineyard land of relatively high salt content is being investigated. Trials are in progress to determine which pastures or fodder crops are best suited to the vineyard system of water deliveries.

Pasture trials have been planned to determine optimum rates of flow in relation to depth and uniformity of water penetration. At Rochester, permanent pasture has been established for this purpose on the "Carinya" property owned by Mr. Eugene Gorman, and channel works have been completed. Similar investigations will be undertaken at the Department of Agriculture's Kyabram Research Farm.

Leakage and Measurement Losses.

Following the successful development of synthetic rubber seals for preventing leakage around gates of meter outlets, pre-cast frames of several types were designed incorporating these seals, and steel formers were designed to facilitate insertion of the seals in pipe offtakes and other *in situ* works. Both pre-cast frames and steel formers are being made at the Central Plant Workshops, Bendigo, for use by Districts in remodelling works and new structures. A progressive reduction in leakage losses is anticipated.

For use in conjunction with synthetic rubber seals, the meter outlet doors have been modified. A particular feature of the new design is that it provides for the precise regulation of flows through the outlet at various supply levels.

A detailed investigation into distribution efficiency is being made in the Swan Hill Irrigation Area, including the determination of actual losses by leakage and errors in measurement. In a similar investigation to be undertaken at Rochester next season, the results will be correlated with seepage losses.

Stabilization of Embankments.

Methods were developed to control erosion of earthworks such as reservoir embankments, main channel cuttings, and spoil banks, using creeping saltbush (*Atriplex semibaccata*).

The "straw strip" method proved particularly suitable in most cases, being considerably more effective than any other method, and more flexible in that most of the work could be carried out at any time in the year with any number of employees. Treatment costs were approximately £45 per acre.

The technique was subsequently employed in stabilizing 30 acres of embankments on the East Goulburn Main Channel, the Main Northern Channel at Heyfield, and the Toolondo Reservoir outlet. Creeping saltbush was also used to establish vegetation on another 15 acres at Tullaroop, Castlemaine, and Cairn Curran Reservoirs.



Face of the excavation for Tullaroop Reservoir spillway, seven months after treatment with the straw-strip method for establishing creeping saltbush.

Weed Control.

Experimental investigations were continued, paying particular attention to the control of weeds in drainage systems. Effective control of water couch grass has been obtained using C.M.U. and amino-triazole chemicals, and extensive investigations are in progress to ensure that these materials are completely safe for large-scale use.

Extension Activities.

The Commission's irrigation exhibit was displayed at ten shows in provincial centres. A special exhibit, dealing principally with irrigation management and fertility problems in vineyards, was prepared for display in pumped areas.

A total of 456 entries was received in pasture sample competitions at eight centres.

In collaboration with the Education Department, attention was further directed towards promoting instruction in irrigation in schools. Commission officers gave lectures at secondary schools and at teachers' colleges, and helped to prepare visual aids and develop field studies. Eight copies of the Commission film "Water Our National Asset" are now in use by the Education Department.

Irrigation Production 1958-59.

The value of production under irrigation in Victoria's country districts in 1958-59 was a record £55,175,000, compared with the previous record of £53,000,000 established in 1957-58. Details for 1958-59 are set out below:—

Irrigation Districts—				£	£
Milk and Milk Products	..	..	..	12,500,000	
Beef and Veal	..	..	..	2,525,000	
Wool, Lamb and Mutton	..	..	..	6,300,000	
Pigmeats	..	..	..	2,725,000	
Poultry and Eggs	..	..	..	1,500,000	
All Livestock				..	25,550,000

Irrigation Districts—continued.

	£	£
Dried Vine Fruits	8,075,000	
Table and Wine Grapes	675,000	
Canning Fruits	3,275,000	
Fresh and Jam Fruits (Deciduous)	1,400,000	
Citrus Fruit	1,500,000	
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All Horticulture	14,925,000
Vegetables	3,000,000
Other Primary Products	2,000,000
		<hr/>
Total District Production	45,475,000
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Private Diverters	9,700,000
		<hr/>
Grand Total	55,175,000
		<hr/>

Livestock numbers were slightly below 1957–58, but despite this and the significantly lower price for wool, value of livestock production rose by more than £1,000,000, mainly as a result of higher meat prices.

Production of vine fruits dropped a little, but prices improved to lift value of production slightly above 1957–58 levels. Citrus growers had a good year, crops and prices both being much better than in 1957–58.

Other orchardists fared poorly. Crops were 20 to 25 per cent. below 1957–58 and canning fruitgrowers received much lower prices. Value of canning fruit was 35 per cent., and value of non-canning fruit 25 per cent., below 1957–58.

Production of vegetables was well up to 1957–58, and except for tomatoes, prices improved to make it a good year for vegetable growers. Value of tobacco production increased by 40 per cent. to nearly £2,700,000, mainly because of a lift of 30 per cent. in the area planted.

Farm Water Supplies.

Inspections were made of 253 properties, to advise landowners regarding construction of storages on gullies and more defined streams, irrigation layouts (both flood and spray), and supplies from underground resources. Some drainage problems were also handled.

GOULBURN–MURRAY IRRIGATION DISTRICT.

At the start of the 1959–60 season, the Commission announced that water would be supplied to each holding up to the planned future allocation or the quantity used in 1957–58, whichever was the greater. However, as this was inadequate to maintain production on some holdings, the Commission allotted another 20,000 acre feet in the District (plus 678 acre feet to private diverters who were metered) to relieve cases where the problem of over-development of holdings in relation to assured water resources (i.e., water rights plus sales quotas) could not have been reasonably foreseen. This water was allotted to individual holdings on the recommendations of Advisory Boards.

Additional water rights totalling 24,407 acre feet were granted in 1959–60 and will apply in the 1960–61 season. Rodney, Boort, and Tongala–Stanhope were the main areas to benefit.

Cobram Centre.

Channel banks were topped over 19 miles and 3 miles of bank were loamed. Four miles along Yarrawonga Main Channel were sprayed to remove heavy weed infestation.

Two miles of spur channel 7/2 were remodelled by dragline excavator, and 1,100 leaks and breaks in channels were attended to.

Shepparton Centre.

Following enlargement of a railway bridge over Pine Lodge Creek, part of No. 11 Drain in that creek was regraded. This will greatly reduce the liability of flooding in the area.

A new spur drain, $2\frac{1}{2}$ miles long, was constructed to connect with Katandra Main Outfall Drain. Thirty miles of drains were successfully sprayed with chemicals.

Tatura Centre.

Repairs were made to 307 structures, and nearly 2,000 leaks and breaks in channels—mostly of a minor character—were attended to. Channels were desilted and banks topped over 56 miles, and 27 miles of channels and 17 miles of drains were sprayed for weed control.

Timber structures replaced by concrete included 18 culverts, 6 combined bridges and checks, and 50 checks.

Tongala Centre.

A lot of work was done on old timber structures in the Deakin Irrigation Area to minimize waste of water. Attention to reconditioning and resetting meter wheels continued. Already this work has markedly improved distribution efficiency.

Chemicals were again used extensively to eliminate weeds in drains.

Rochester Centre.

Total water deliveries in Rochester Irrigation Area increased by 40 per cent., largely because maximum flow in the Waranga Western Channel was lifted by 10 per cent. This was a consequence of intensive weed spraying along the full 100 miles to the Loddon River and removal of silt-bars along the first 14 miles. Delivery efficiency of this main carrier improved from 67.2 to 68.7 per cent.

Mechanical means were used to clean out 42 miles of channels and drains, and to top up 5 miles of banks. Weed growth was cut and sprayed along 60 and 27 miles respectively. Ten drainage subways were built.

Pyramid Centre.

Distribution efficiencies were higher in all areas, especially in Tragowel Plains and Calivil. This reflected the increased availability of officers to supervise water distribution and the progressive replacement of old timber structures by new concrete structures.

Thirty-nine miles of channels were cleaned and remodelled and 65 miles sprayed.

Boort Centre.

Earthworks were completed along $5\frac{1}{2}$ miles of the Waranga Western Channel being enlarged between Loddon Weir and Boort No. 3 Offtake. The capacity of this section is being increased from 100 to 250 cusecs.

Nearly 120 miles of channels were cleaned, mainly by ditcher. Six new subways and siphons and fifteen crossings were constructed and enlarged.

Cohuna Centre.

Excavators remodelled and cleaned 15 miles of channels and 35 miles of drains. As part of the Piccaninny Barr Drainage Scheme, $1\frac{1}{2}$ miles of new drains were constructed. Weed spraying was carried out along 150 miles of channels and 4 miles of drains.

Reconstruction of the Gunbower Weir is well advanced. A large new bridge was built over the Left Branch Channel. New channel structures totalled 63.

Kerang Centre.

Distribution efficiencies ranged from 52 per cent. in Mystic Park to 79 per cent. in Kerang. The average of 71 per cent. was a slight improvement over 1958-59.

New structures totalled 45, including several major bridges and regulators. Experimental drain cleaning with ditchers was continued, particularly good results under adverse conditions being obtained with the Briscoe ditcher.

Excavators were used on 11 miles of channels and 3 miles of drains, and 191 miles of channel and 31 miles of drains were sprayed for weed control. A weed-launch was used to clean 15 miles of channel, mainly along the Pyramid Creek.

A new storeyard and office extensions were approaching completion at 30th June.

Swan Hill.

Three concrete road bridges and three regulators were completed, and 6 bridges, 4 pipe culverts, and 6 regulators were under construction at 30th June.

The main channel system was sprayed to maintain the improvement created by spraying in the previous year.

The pilot drainage scheme serving the Swan Hill Irrigators' Research Farm at Tyntynder was tested in February by two very heavy rainstorms, one yielding nearly 3 inches in 24 hours. The scheme operated very well, removing all surface water in about 36 hours. Investigations of a drainage scheme to serve all the Swan Hill Flats were well advanced at the end of the year.

PUMPING DISTRICTS.

For information on irrigations see Appendix E. Studies of irrigation practices at Red Cliffs and Merbein are described on page 20 along with pasture establishment problems at Nyah.

Production of dried fruits was affected by adverse local weather conditions. Details of production are as follows :—

District.	Tons Produced.	
	1959-60.	1958-59.
Red Cliffs	15,593	15,922
Merbein.. .. .	8,238	11,603
Nyah	1,607	2,459
Robinvale	6,433	7,873
Totals	31,871	37,857

Red Cliffs.

Approximately 90 per cent. of the timber silt boxes installed in 1934 have now been replaced with concrete units made from 24-inch diameter pipes.

Major maintenance was carried out on 6¼ miles of concrete channel lining, including replacement by guniting of 1¼ miles. Pipe-lines replaced half a mile of channel, and three-quarters of a mile of channel was treated with a new flexible crack-sealing process.

A small mechanical brushing machine, developed in the District to clean concrete surfaces for refacing, is undergoing final trials. It promises to replace the costly method of cleaning by hand which is now used.

Merbein.

The two drainage pumps at Lambert's and Wren's Swamps—both on automatic control—operated satisfactorily. The latter was in its initial year of operation.

Silt was cleaned out of 1¼ miles of the North-West Outfall Drain. This had accumulated following the 1956 floods on the River Murray.

Six miles of concrete channel were repaired, 25 chains replaced with pipe-line, and 32 miles sprayed for weed control.

Nyah.

The Main Channel was topped by 6 inches along $8\frac{1}{2}$ miles, and a small unlined section was concrete-lined. Nine chains of the rising main from the pumping station were replaced. Concrete pipe replaced 25 chains of spur channels.

Robinvale.

Drainage outfalls for all blocks should be finished in 1960-61. Main drains have now been installed along $44\frac{1}{2}$ miles, (the total required being 52 miles,) and 119 blocks connected, including the provision of automatic electrically-operated pumps to drain the low sections of 23 blocks. (There are 246 blocks in the District.)

Tresco.

Work on the drainage system continued, another £10,000 being spent on main lateral systems.

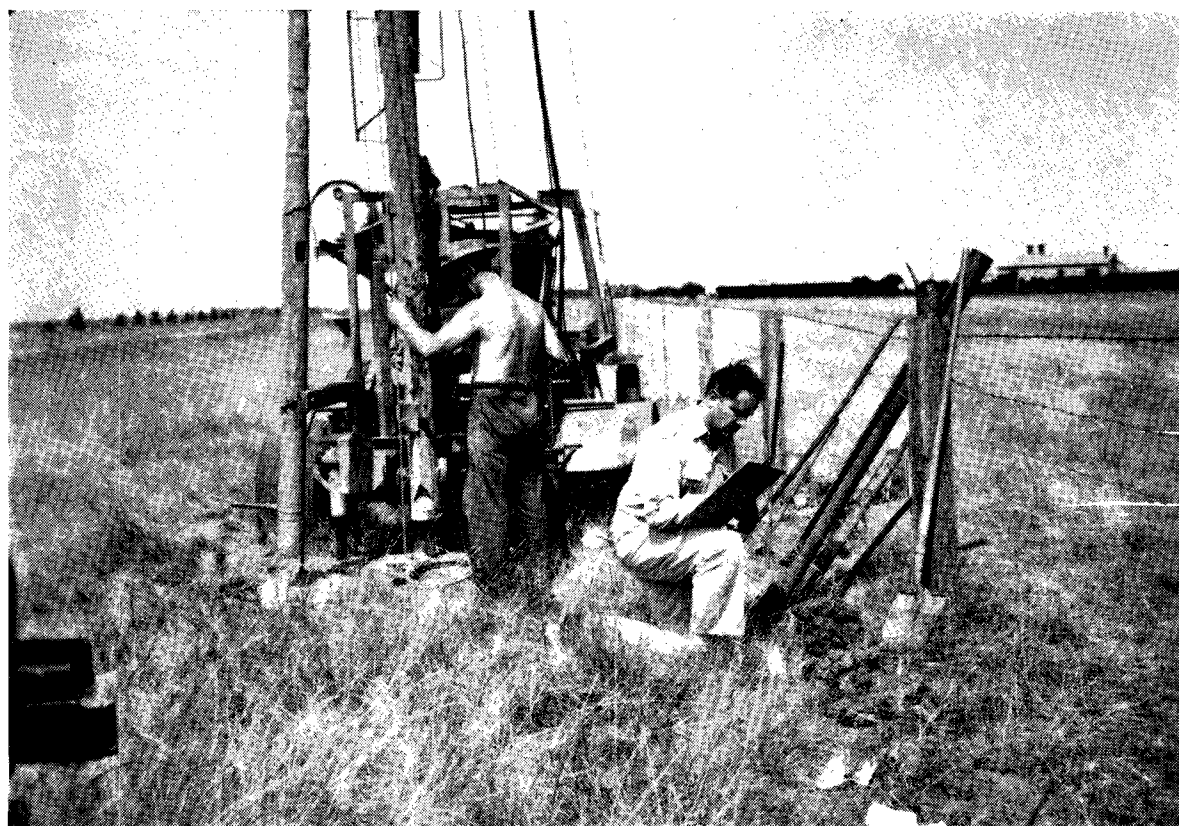
SOUTHERN IRRIGATION DISTRICTS.

Maffra Centre.

Maffra-Sale and Central Gippsland Irrigation Districts, or Irrigation Areas as they are now known, were amalgamated into the Macalister Irrigation District. (The legislation effecting this is described on page 14.)

After heavy spring rain, the irrigation season was dry and deliveries averaged 152 per cent. of water rights. Growth of *paspalum distichum* in drainage channels was heavy.

Extensive research was continued into the waterlogging of lands in the south of the Central Gippsland Irrigation Area, with a view to determining causes and evolving remedies. (See page 19 for details.) Methods of reducing water losses from channels and outlet structures were tested. To prevent erosion, creeping saltbush (*Atriplex semibaccata*) was sown on the batters of main channels. (See page 20).



Drilling and logging of exploratory bores for drainage investigations in the Central Gippsland Area of the Macalister Irrigation District.

Werribee Centre.

A very dry summer and autumn meant record water deliveries equal to 189 per cent. of water rights in Bacchus Marsh, and 129 per cent. in Werribee.

At Werribee, 36 miles of channels have been relined with gunite. (There are 48 miles of channel in the District).

Restoration of badly-deteriorated old concrete channels at Bacchus Marsh was also begun.

OTHER IRRIGATION.

Wimmera.

The area irrigated near headworks continued to increase, reaching 6,869 acres compared with 3,677 acres in 1954-55.

Private Diverters

The number of authorized diverters continued to grow. For details of 1959-60 figures, see Appendix H. Figures for the last five years are summarized below.

AUTHORIZED DIVERTERS FOR IRRIGATION.

Year.				Number.	Area Authorized.
					acres.
1955-56	..	..	..	2,959	97,377
1956-57	..	..	..	3,051	101,310
1957-58	..	..	..	3,521	115,356
1958-59	..	..	..	4,036	128,277
1959-60	..	..	..	4,494	139,528

In five years, the number of diverters and the areas authorized have increased by 52 per cent. and 43 per cent. respectively.

First Mildura Irrigation Trust.

The Trust reported that four general and six special irrigations were provided. Total deliveries of 49,494 acre feet compared with 42,771 acre feet in 1958-59.

The start of fully-electric operation of the Trust's pumping plant was commemorated at a function at the new Psyche Bend Pumping Station when the Minister of Water Supply, the Honorable W. M. Mibus, M.L.A., unveiled a plaque. Since the pump modernization programme was completed, water has been supplied to an additional 950 acres, including 350 acres in 1959-60.

Coliban Irrigation.

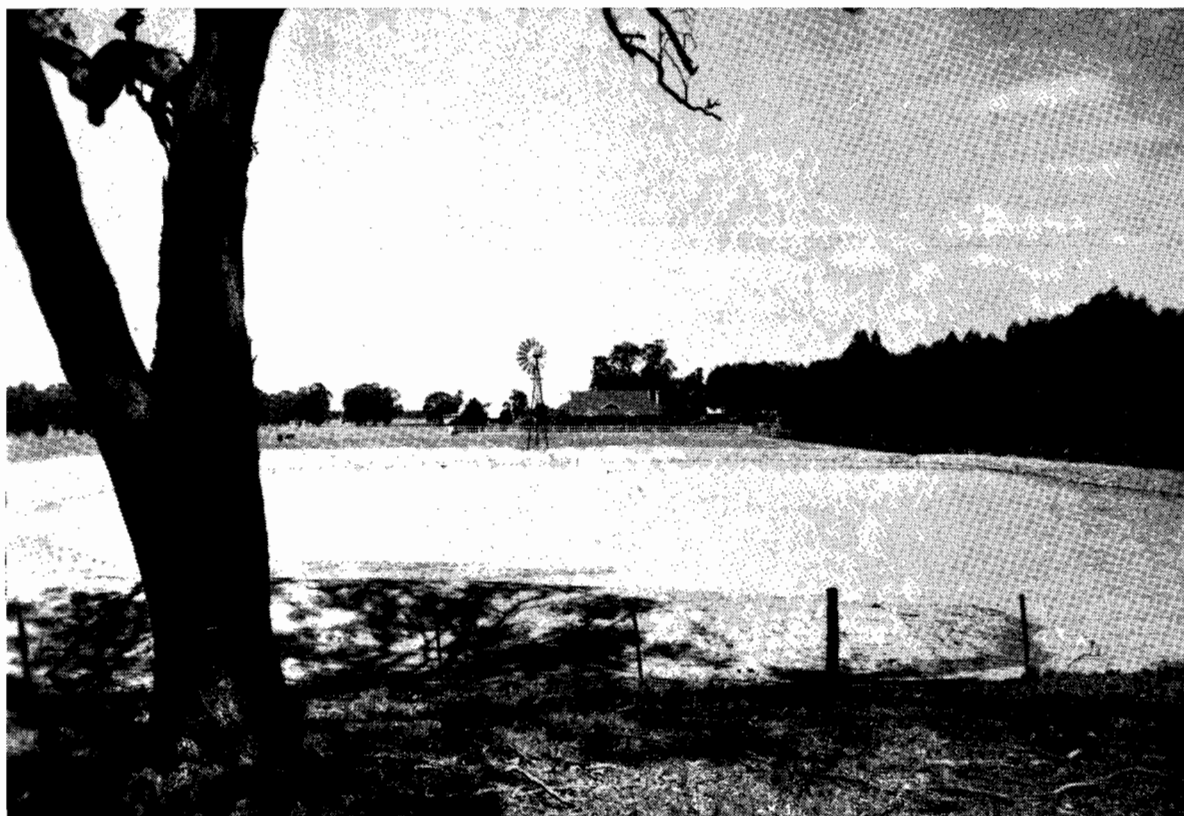
See under Town Water Supplies, page 28.

DOMESTIC AND STOCK SUPPLY.

Wimmera-Mallee System.

Watering.

Demands on the system were heavy, due to the dry autumn and winter of 1959. All requirements were met, but the period taken to deliver was generally longer than average, extending over 259 days from 5th April to 20th December, 1959.



Dam on a prosperous Wimmera farm. Storages in the Grampians supply 7,000 farms with water for domestic and stock purposes through 10,000 miles of channels, as well as providing a reticulated water supply to nearly 50 towns.

Sand Drift Control.

With the dry winter, strong winds were a menace, necessitating deep-furrowing along some 600 miles of channel to prevent sand drifting into channels. Expenditure was £81,057 compared with £73,814 in the previous year.

Channel Enlargement.

The programme to eliminate dependence on the Goulburn-Loddon System (see Annual Report, 1958-59, page 26) proceeded satisfactorily.

Walpeup West Bores Area.

Two bores were relined and deepened, and a new bore put down as a replacement at Underbool. There are 39 bores under the Commission's control.

Private Diverters.

A total of 1,937 persons were authorized to divert water for domestic and stock purposes. This was an increase of 15 per cent. over 1958-59 and is nearly 75 per cent. more than the number authorized in 1949-50.

TOWN WATER SUPPLIES.

Administered by Commission.

Bellarine Peninsula System.

Bulk supply of water from the headworks of the Geelong Waterworks and Sewerage Trust was 440 million gallons.

At Anglesea, a high-level service basin of 2.4 million gallons capacity was completed, and the reticulation system was extended to the Sunnymeade Estate south of the basin site.

A new Urban District was constituted at Leopold, some 6 miles east of Geelong, and reticulation mains were extended to serve the township. Part had previously been supplied by agreement and had been included in Bellarine Peninsula Waterworks District.

Approximately 8 miles of new reticulated mains were laid in Anglesea, Barwon Heads-Ocean Grove, Leopold, Point Lonsdale-Queenscliff, Portarlington, and Torquay Urban Districts. New services in the System totalled 369.

Coliban System.

Storages held only 42,000 acre feet prior to the start of the irrigation season, compared with their full capacity of 56,100 acre feet, and restrictions on irrigation were necessary. Sales were initially limited to 60 per cent. of each irrigator's average usage over the last three unrestricted years, but following requests from water users' representatives, including the Coliban Investigation Committee, a further 10 per cent. was granted in March. Normal domestic requirements were met.

The position was assisted by diverting water from the upper reaches of the Campaspe River Catchment through the enlarged Ashbourne Channel.

Progress on the new Castlemaine Reservoir is described on page 35.

Work on the Main Channel comprised lining 2,100 feet of ground fluming in the Sutton Grange area, guniting of trapezoidal lining, and increasing the height of several sections to add to capacity.

Sections of distributary and branch channels were lined, and more than a mile of siphons, varying from 36 inches to 15 inches in diameter, was installed on branch channels, replacing more than twice this length of channel.

Automatic recorders were installed throughout the channel system to investigate channel efficiencies.

Supply to Harcourt was improved by laying $1\frac{1}{2}$ miles of 6-inch diameter main from the Maldon Pipehead Basin to the southern end of the town's reticulation system.

Approximately 5 miles of extension mains and 7 miles of replacement mains were laid in Bendigo, Castlemaine, Chewton, Fryerstown, Harcourt, and Marong.

New services totalled 436 compared with 419 in 1958-59 and brought the total number of services to 17,481.



Looking across the centre line of the main embankment of a new reservoir to improve water supply to Castlemaine. This storage, and associated pipe-line to Castlemaine, were nearly finished by 30th June, 1960.

A new stores building was erected at Castlemaine, and the office, stores, and workshop in Bendigo were transferred to the Commission's Central Plant Workshops at Golden Square.

Mornington Peninsula System.

The rapid rate of development continued, though at a reduced tempo. New services added during 1959-60 totalled 2,299 and compared with 2,415 in 1958-59 and 2,874 in 1957-58. The number of services is now 28,631.

Restrictions were necessary in the Chelsea-Frankston District north of the Patterson River from 24th December, 1959, to 13th April, 1960. During this period, the use of fixed sprinklers was prohibited. All requirements were met throughout the rest of the System.

Duplication of the main pipe-line from Dromana to Portsea was completed to Tootgarook. This involved installing 6·8 miles of 36-inch diameter, and 3·4 miles of 33-inch diameter cement mortar-lined steel pipes. In addition, approximately half a mile of 18-inch diameter steel main was laid to connect the new pipe-line to the existing trunk main.

Erection of two 3,000,000 gallons steel storage tanks adjacent to the existing service basin at Sorrento was completed. Approximately half a mile of 21-inch and 15-inch diameter mains was laid to connect the tanks to the existing reticulation and trunk mains in the area. Supply between Dromana and Portsea will be considerably improved following the construction of these tanks and the duplication of the Dromana-Portsea Pipe-line to Tootgarook, referred to in the previous paragraph.

A 1,500,000 gallons service basin was constructed at Tynong to supply Tynong and Nar-Nar-Goon, and the installation of reticulation mains to serve these areas was practically completed.

Supply to the townships of Garfield, Bunyip, and Longwarry was improved by the duplication of 22 chains of main between the Bunyip Main Race and the Garfield Service Basin with 10-inch diameter asbestos cement pipe. At Bunyip, construction of a 70,000-gallon ground-level tank was commenced, and a new 10,000 gallons elevated storage tank and associated pumping equipment were installed to improve supply to the high-level areas there.

The installation of 7·3 miles of 33-inch diameter reinforced-concrete pipe-line between Somerville and the Bittern Reservoir was completed, and the full length of duplicated main pipe-line between the Bittern-Frankston Bifurcation and the Bittern Reservoir was put into service.

A ground-level steel tank of 100,000-gallon capacity, two elevated tanks each of 25,000 gallons capacity, and a pumping station, were installed to supply a high-level residential area in the Heatherhill-road locality at Frankston. A pumping station and a 10,000 gallons elevated tank were installed to supply a high-level residential area at Beleura Hill in the Mornington Urban District.

Approximately 50 miles of extension mains were laid throughout the Urban Districts of the System.

Reafforestation of the catchment area at Lysterfield Reservoir was continued and 143,000 eucalypt seedlings were planted, to bring the total planted since 1959 to approximately 1,000,000.

Otway System.

Work began on duplicating the main between Donald's Hill Reservoir and Camperdown Service Basin to improve supply to Camperdown.

Approximately 1·1 miles of 18-inch diameter cement mortar-lined steel main were installed between Warrnambool Auxiliary Basin and Warrnambool Low-level Basin, to improve peak-period supply to Warrnambool City.

Extensions totalling 1.3 miles were laid in the Camperdown, Cobden, and Terang Urban Districts, and 5.6 miles of 4-inch diameter main were laid to supply rural properties at Carpendeit and South Purrumbete.

The pumping plant at Brierly Basin operated for 612 hours to increase the supply to the Warrnambool Trust's low-level storage. Supply to the Warrnambool City Council was approximately 400 million gallons.

The Gellibrand River stations, which supplement the diversion by gravitation from Arkins Creek, pumped 251.5 million gallons from the Gellibrand River into the System.

The booster stations at Mt. Ewen, Terang, and Cudgee pumped the following quantities of water :—

Booster Pumping Station.					Quantity Pumped.
Mt. Ewen	..	..	..	..	516 million gallons
Terang	..	..	..	..	242
Cudgee	..	..	..	..	71

New services in the Waterworks and Urban Districts numbered 96, bringing the total to 3,033, excluding the City of Warrnambool which purchases water in bulk from the Commission.

Other Towns Supplied by Commission.

Hopetoun.—The new storage of 37 million gallons was commenced and will be completed in 1960–61.

Quambatook.—A new storage of 11 million gallons was completed.

Tallangatta.—A new reinforced-concrete intake tower was built and the existing intake remodelled.

Wonthaggi.—Only minor treatment of the water was needed. Replacement of both high- and low-level pumping installations is being considered.

Waterworks Trusts and Local Governing Bodies.

Eleven new town supplies were brought into operation at Alvie, Buninyong, Coragulac, Cororooke, Fish Creek, Inverloch, Neerim South, Smeaton, Skipton, Streatham, and Wodonga Eastern District.

Two Waterworks Trusts were constituted at Learmonth and Tyers–Glengarry, and new Urban Districts, to be administered by existing Trusts, were constituted at Millgrove and Nilma.

There are now 162 local water supply authorities constituted under the general supervision of the Commission, for the supply of water for domestic and industrial purposes to 195 country towns and nine rural areas. Of these,, 156 authorities have works in operation to serve 180 towns plus the 9 rural districts. (All figures exclude any reference to supplies provided by municipalities under the Local Government Act.)

Loan expenditure by local water supply authorities in 1959–60 was £1,121,064, comprising £31,500 borrowed privately and £1,089,564 provided by the Government.

The Government also lent £768,745 to the Latrobe Valley Water and Sewerage Board, to enable work to start on a large earth and rockfill dam on the Tyers River to be known as the Moondarra Reservoir. This will store 8,000 million gallons, and 4½ miles of 60-inch diameter pipe-line will connect the reservoir to the Board's existing supply main from its temporary pumping station further down the Tyers River.

In addition, the Geelong Waterworks and Sewerage Trust borrowed £600,000 privately to finance reticulation extensions, and to commence construction of a large earth and rockfill dam on the West Barwon River.

The total loan expenditure on town water supplies in 1959-60 was thus £2,489,809, of which £1,858,309 was advanced from Government loan funds. Both of these were records. The corresponding figures for 1958-59 were £2,194,941 total loan expenditure, and £1,610,591 from Government loan funds.

The Maryborough Waterworks Trust is proceeding with the installation of the rising main from Tullaroop Reservoir to link up with the Trust's system supplying Maryborough.

After the necessary preliminary work, construction is about to commence on the large Westernport Scheme to supply Cowes, Newhaven, San Remo, and Bass.

The Colac Waterworks Trust is proceeding with major improvements to the main pipe-line from its headworks, and also with the construction of pipe mains and a service basin to serve towns in the north of the Colac Shire.

The water purification plant at Bacchus Marsh was brought into full operation, and the installation of other purification plants is under way at Leongatha, Swan Hill, and Mildura. A clarification plant was authorized for Moe for use in conjunction with new headworks on the Narracan Creek.

Further reticulation improvements were started at Ballarat, Benalla, Casterton, Clunes, Cobram, Coleraine, Geelong, Marysville, Morwell, Shepparton, Traralgon, Warrnambool, and other towns.

SEWERAGE AUTHORITIES.

New Sewerage Authorities were constituted at Red Cliffs and at Mount Beauty, the latter taking over control of the existing sewerage system previously administered by the State Electricity Commission. There are now 65 Sewerage Authorities functioning under the general supervision of the Commission, plus the Geelong Waterworks and Sewerage Trust and the Latrobe Valley Water and Sewerage Board. Of these, 39 have sewerage works in operation, including Springvale-Noble Park, which commenced operation during the year. In addition, the Commission directly controls the sewerage system at Eildon.

Construction of seven new schemes—at Camperdown, Casterton, Kaniva, Lorne, St. Arnaud, Terang, and Wodonga—was started, and Corryong and Kaniva Sewerage Authorities were authorized to commence construction. Work continued on new systems at Sale and Korumburra.

Loan expenditure under the Sewerage Districts Act was a record £1,921,320, compared with the previous record of £1,707,121 in 1958-59. In addition, the Latrobe Valley Water and Sewerage Board received £364,190 from Government loan funds, principally to develop its disposal farm at Dutson, and the Geelong Waterworks and Sewerage Trust borrowed £200,000 privately for extensions. Total capital expenditure was thus £2,485,510, of which £597,010 was provided from Government loan funds. Both these figures were also records.

Major extensions to reticulation systems were undertaken at Ballarat, Bendigo, Dandenong, Hamilton, Horsham, Moe, Morwell, Shepparton, Traralgon, and Warrnambool. Additions to sewage treatment works at Shepparton and Warragul, and a new rising main at Portland, are under construction.

FLOOD PROTECTION, DRAINAGE, AND RIVER IMPROVEMENT.

Koo-wee-rup and Cardinia Flood Protection Districts.

In September, 1959, heavy rain in the northern catchment caused large flows in the Main Canal and the Cardinia Main Drain. Heavy rain in the eastern catchment in April and June, 1960, caused local flooding in the Modella area of the Koo-wee-rup District.

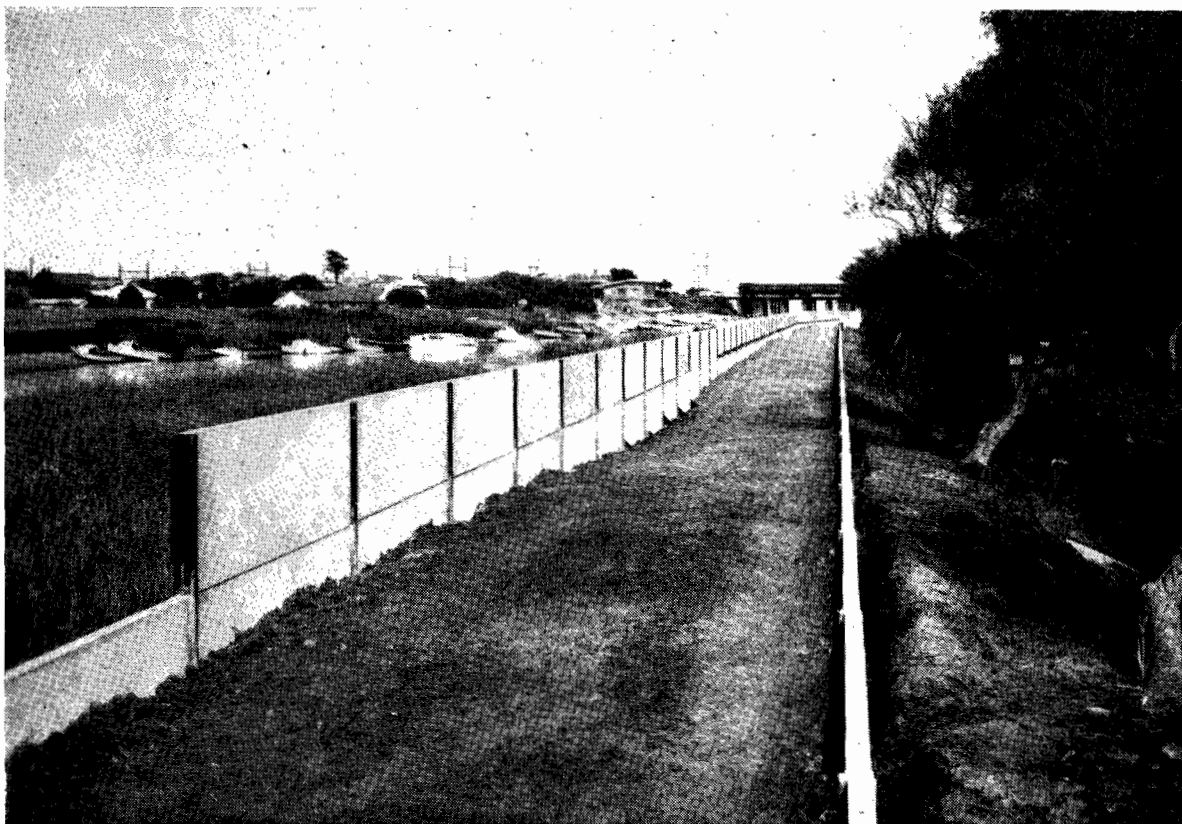
A further 3½ miles of the large No. 6 Yallock Drain, leading to the Yallock Outfall, were regraded and enlarged. Six miles out of 7½ are now completed.

Maintenance work was carried out on 106 miles of drainage channels, and twelve timber bridges were reconstructed.

Carrum Drainage District.

For work on the Kananook Creek Outfall, see page 36.

District maintenance included the treatment of 16 miles of channels.



Part of the north bank of the Carrum Outfall which has now been raised 6 feet above the 1934 flood level. Proximity of houses necessitated capping this section of the embankment by earthfill held between pre-cast concrete slabs supported by steel frames.

River Improvement and Drainage Trusts.

Two new River Improvement Trusts were constituted, one for Whorouly Creek, a tributary of the Ovens River, another for the Glenelg River, near Casterton. The Strathdownie Drainage Trust, adjacent to the Glenelg River Improvement Trust, was also constituted. (Establishment of the latter two Trusts was recommended by the Parliamentary Public Works Committee as referred to on page 16.) There are now sixteen River Improvement Trusts and three Drainage Trusts operating in Victoria.

Normal works were carried out by all Trusts in accordance with local needs. Special mention is made of the use of light aircraft by the Ovens and Macalister Trusts for inspection of their rivers.

Expenditure under the River Improvement Act was £200,600, of which £175,629 was borne by the State. Total expenditure was 10 per cent. higher than in 1958-59.

Funds were granted to the Latrobe and Tambo Trusts to reconstruct works damaged by floods in the Eaglehawk Creek and Tambo Rivers respectively.

Rivers and Streams Fund.

The revenue of the Rivers and Streams Fund from its inception in 1930 has included licence fees paid for the use of river frontages, and since 1954, the net revenue from fees for private diversions of waters also. Total revenue for 1959-60 was £49,050, of which £18,168 came from fees for diversion permits and licences.

Grants from the Fund towards the cost of river improvement work are made to municipal councils and other authorities on the basis of £2 from the Fund for £1 contributed locally. In 1959-60, 103 grants amounting to £42,434 were made, bringing the cumulative figures to 1,929 grants totalling £502,648.

Lake Corangamite Reclamation Project.

Use of the channel taking water from the Woody Yaloak River to the Barwon River began in August, 1959, but stopped because of rising salinity in October after only 4,000 acre feet had been diverted. Operations were resumed in April, 1960, and another 12,000 acre feet were diverted up to 30th June, making 16,000 acre feet for the year. Prior to the 1960 winter, the level in Lake Corangamite was nearly 4 feet below the 1956 peak, but very wet conditions then caused it to rise rapidly.

Minor works not completed were constructed, and some improvements made to facilitate operation of the scheme.

The flood gates on the lower Barwon River operated satisfactorily, but following difficulties experienced in summer by private diverters (arising out of a lower level in the river) and a request from the Department of Fisheries and Wildlife, minor channel works were undertaken to maintain sufficient water in Reedy Lake for irrigation and wildlife.

INVESTIGATIONS, DESIGN, AND CONSTRUCTION.

Works Under Construction.

Goulburn Irrigation System.

Progress on Channel Remodelling.

At 30th June, 1960, remodelling works were nearing completion in the Irrigation Areas east of the Goulburn River and also in Boort, Rodney, and Tongala-Stanhope Areas. Expenditure during the year was £1,175,000, bringing the total expenditure at 30th June, 1960, to £8,100,000. The estimated cost of completion, including the improvement of structures on channels which do not themselves need enlargement, is approximately £7,500,000, of which one-half will be spent on enlarging the Waranga Western Main Channel for 100 miles from Waranga Reservoir to the Loddon River. The use of regulated water from Cairn Curran and Tullaroop Reservoirs and from the Eppalock and Corop Lakes Projects (see pages 34 and 37) will enable the cost of enlarging this important main channel to be kept to a minimum.

East Goulburn Main Channel.

Remodelling of the 21 miles of channel extending past the Broken River to Katandra Weir on the Nine Mile Creek progressed satisfactorily. By 30th June, 1960, almost all the bank compacting and 80 per cent. of the excavation were completed under contract. The structures should be finished by the winter of 1961.

The original offtake structure at Goulburn Weir was remodelled.

Other Goulburn Channels.

The new Rodney No. 6 Main Channel was completed to its end at 25½ miles and used throughout the irrigation season. The new No. 8A (Wyuna Loop) Channel was also finished and used to supply Tongala-Stanhope from March onwards.

Earthworks remodelling was carried out on six miles of Channel 7, five miles of Channel 12 (Kaarimba Main), two miles of Channel 9 (Wyuna Main), and 1¼ miles of Channel 12/9, and completed for 16 miles of Channel 8.

Dunbulbalane Soldier Settlement Project.

Nearly 14 miles of channels with related structures, were constructed to bring water to another 50 orchard blocks, making 75 now supplied. This project is now completed.

Drainage Works.

The Beattie Depression Floodway, with its 14 miles of levee banks, was finished, and the lower 7 miles of the Deakin Main Drain were enlarged. The upstream reaches of the Rodney Main Drain and the offtake from the Mosquito Depression were also completed.

Concrete Factory.

The factory set up at Tatura to make prestressed bridge beams and components was in full production, and provided units for 70 bridges in the Goulburn System and numerous others elsewhere.

Murray Valley Irrigation Area.

During the year, 37 miles of drains were excavated, and 46 miles were opened for operation. This made a total at 30th June, 1960, of 114 miles excavated and 106 miles in operation to serve 228 blocks (30,000 acres) including 206 soldier settlement blocks. To serve the other 270 blocks (29,300 acres) in the Soldier Settlement Area, another 112 miles of drains must be excavated. Expenditure to 30th June, 1960, totalled £850,000, and most of the large main outfalls have been completed. Approximately £400,000 will be required to finish the drainage of this area.

Work carried out in 1959-60 included completion of Drain 6 and eighteen spur drains from it; 23 spurs from Drain 13; $11\frac{1}{2}$ miles of lower Drain 18; 4 miles of Drain 20; and the pump house on Drain 18 which has three electronically-controlled pumps operating.

Macalister Irrigation District.

Earthworks were finished on the 7-mile Cowwarr Main Diversion Channel of 400-cusecs capacity which will supplement supply to the Nambrok-Denison area. Installation of the Main Cowwarr Channel offtake regulator gates was in progress at 30th June, 1960.

On the Main Airley Channel, $2\frac{1}{2}$ miles of channel were remodelled and work was in progress on excavating $1\frac{1}{2}$ miles of the Heart Channel No. 4 and $2\frac{1}{2}$ miles of drains in the Heyfield Extension East.

In connexion with the ground-water problems described on page 19, $1\frac{1}{4}$ miles of deep drain were cut through salt-affected areas in Nambrok-Denison and free-flowing bores were drilled adjacent to the drain, discharging into it about 23,000 gallons per hour. Two deep-bore pumps with a discharge of up to 55,000 gallons per hour were also installed.

Eppalock Reservoir Project.

The recommendations of the Parliamentary Public Works Committee for the construction of a large dam on the Campaspe River, and a description of the official commencement ceremony, have already been given on pages 15 and 11, respectively.

The new dam will be located immediately upstream of the existing concrete weir. The reservoir behind the dam will have a maximum depth of 130 feet and impound 250,000 acre feet of water at full supply level. The surface area will be about 8,000 acres and will extend approximately 10 miles up the Campaspe River. The main embankment will rise about 150 feet above bedrock level in the river and will be about 2,000 feet long and contain over 1,000,000 cubic yards of earth, gravel, and rockfill.

The secondary banks will have a total length of some 8,000 feet and will require 100,000 cubic yards of fill.

The main spillway will have a concrete crest 400 feet long with a converging concrete-lined chute and a dissipating basin in the solid rock of the river bed.

Two unlined secondary spillways, 5 and 6 feet above full supply level respectively, will be utilized for the discharge of very rare floods. One of the secondary spillways with a 400-ft. long crest will be located not far from the eastern abutment of the main bank, the other, on the western side of the river and some 7,000 feet from the main bank, will be located to discharge into the Mosquito Creek.

A pumping station will be situated at the downstream toe of the main bank, utilizing the existing concrete work as a foundation. The station will be connected by a 72-in. diameter penstock with the main outlet tunnel, and will include pumps operated by hydraulic turbine to lift water some 400 feet to Bendigo through a main pipe-line 16 miles long and mostly of 36-in. diameter.

The first construction work undertaken will be the excavation for the tunnel and for the outlet tower at the tunnel entrance, and also for the downstream outfall channel leading from the tunnel.

The next stage will involve the construction of the upstream toe of the dam and the building of the main embankment up to the crest level of the existing concrete weir.

During this stage, flood flows will be diverted through the outlet tunnel. This stage is planned for completion by autumn 1961, and the subsequent winter floods will pass over the partly-completed main bank. This useful and unusual procedure for flood routing during construction is made possible by the protection afforded to the new main bank by the existing concrete weir. Towards the end of spring, 1961, construction of the main bank will again proceed and subsequent summer floods will again be diverted through the tunnel.

Preliminary works began in April, 1960. As personnel and equipment became available from the Castlemaine Reservoir Project (see this page), they were transferred to the new site.

At 30th June, 1960, buildings for use as a works office, store, and mechanical workshop were nearly finished and a start made on transferring temporary cottages from Cairn Curran. Access roads were completed, and work was progressing on the outlet tunnel and outlet tower.

Central Highlands Project.

This scheme will supply about 1,000 acre feet of water per year to a hardboard factory being built at Bacchus Marsh by the Colonial Sugar Refining Company Ltd.

As developed resources of the Werribee River were fully committed to supply Werribee and Bacchus Marsh Irrigation Districts and the town of Bacchus Marsh, a means of augmenting supplies had to be sought, and a scheme was evolved for pumping water from Newlyn Reservoir, which supplies the town of Clunes, across the Divide and conveying it via the Werribee River System to Bacchus Marsh.

To provide for the water to be diverted from Newlyn, as well as for development of the town of Clunes, the capacity of Newlyn Reservoir is being increased from 880 to 2,700 acre feet, and Hepburn's Lagoon, near Newlyn, will be enlarged in capacity from 1,730 to 2,300 acre feet.

At Newlyn, a pumping station with a capacity of 950 h.p. will lift the water about 550 feet to the crest of the Divide through a 21-inch rising main about $5\frac{1}{2}$ miles long.

From there, the water will gravitate into the Werribee River near Ballan through works owned by the Geelong Waterworks and Sewerage Trust, thence into Pykes Creek Reservoir, to be regulated as required into the existing Maddingley Reservoir at Bacchus Marsh. The company will then pump the water to its works.

By 30th June, 1960, the enlargement of Newlyn Reservoir was substantially advanced under day-labour, and a start had been made on the enlargement of Hepburn's Lagoon. The pump house at Newlyn was completed, and 9,000 feet of the rising main laid, both under contract. The works are expected to be commissioned in 1961.

Castlemaine Reservoir Project.

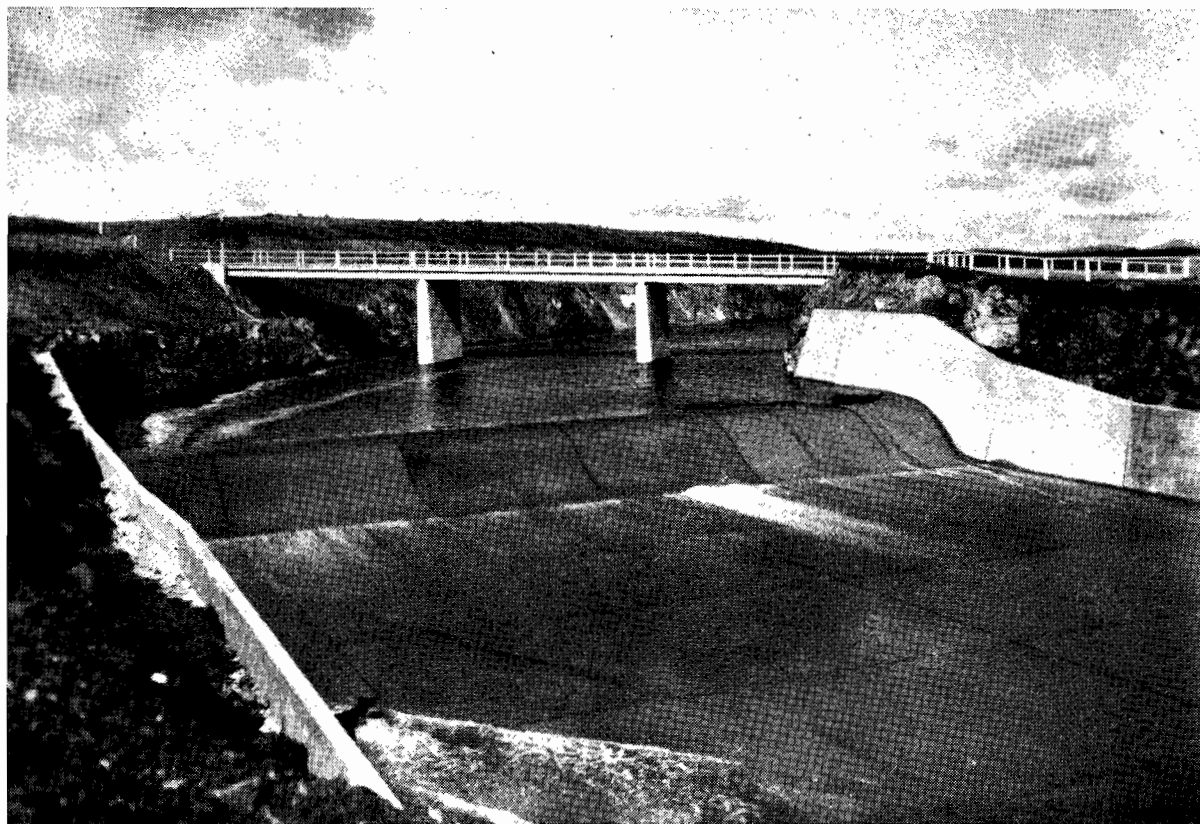
A description of this project was given in the 1958-59 Annual Report, page 35.

It was substantially finished by 30th June, 1960, and storage of water has begun. The reservoir was built by day-labour, supplemented by contracts for earthworks and rockfill haulage. Construction involved about 130,000 cubic yards of earthfill, 70,000 cubic yards of rockfill, and 1,300 cubic yards of reinforced concrete.

Extensive soil conservation works were carried out in the catchment, in conjunction with the Soil Conservation Authority.

Tullaroop Reservoir.

The pump house, which will accommodate pumps to be installed by Maryborough Waterworks Trust, was installed, thus completing construction work on this project by the Commission. The reservoir was first filled to capacity on 21st July, 1960.



Water flowing for the first time over the spillway of Tullaroop Reservoir. This storage is located on a tributary of the Loddon River, near Maryborough.

Carrum Drainage District.

Works recommended by the Parliamentary Public Works Committee, together with other improvements proposed by the Commission, make up a programme costing approximately £500,000 (see 1958-59 Annual Report, page 13).

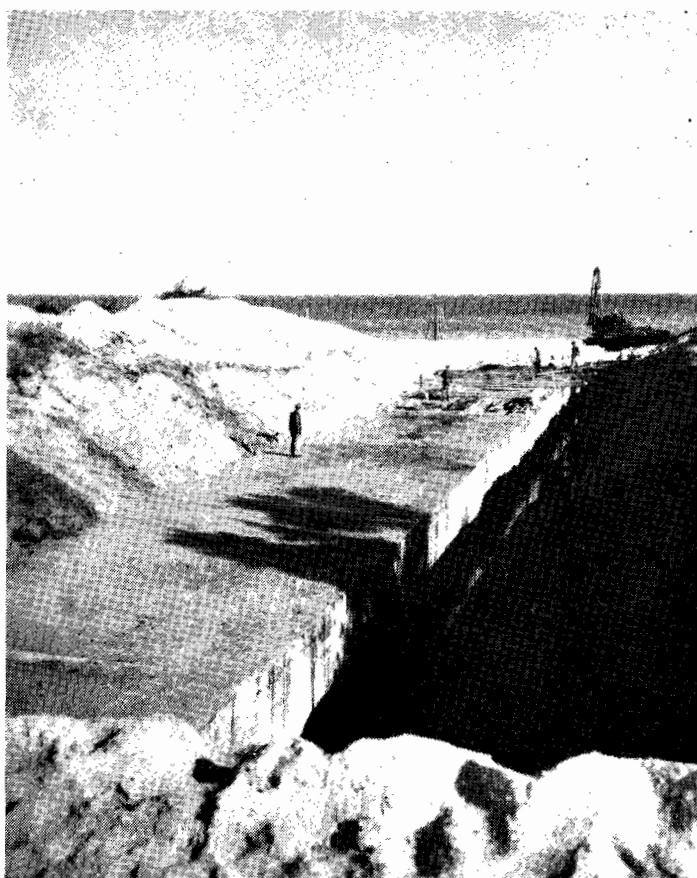
The most important part of this programme is the improvement of the drainage of low-lying lands on the catchment of the Kananook Creek, a natural tidal waterway flowing from Seaford into Port Phillip Bay at Frankston.

A new outfall from Kananook Creek is being constructed to take water from Eel Race Drain straight into the Bay at Seaford, some $4\frac{3}{4}$ miles upstream from its natural outlet at Frankston. It will consist of a twin-cell reinforced-concrete culvert about 1,000 feet long, each opening being 11 feet wide by 7 feet high. The structure will be fitted with automatically-controlled gates, which will not only dispose of water from the creek to the sea, but can also admit sea water to flush out stagnant water along the creek through the existing outfall at Frankston.

A contract for the new outfall was let for £91,800 in January. A section of the culvert immediately west of the Nepean Highway and the seashore was completed, and work was in progress between the highway and the creek. Stormy weather in April caused delay by flooding the excavation at the seaward end.

In conjunction with the new outlet, it will be necessary to widen and deepen the Eel Race Drain and certain connecting drains. Designs for the lower section of Eel Race Drain were put in hand. Investigations were also made into desirable improvements to Kananook Creek, including a long-range programme embracing conditions at the mouth of the creek.

The raising of the north bank of the Carrum Outfall between Pillars Bridge and the sea was completed. An interesting feature of one contract was the capping of the existing earthen embankment with earthfill contained between precast concrete slabs supported by steel frames. This form of construction was necessary as the embankment was confined between the waterway and residences adjacent to the outside toe.



Section of completed culvert, Kananook Creek Outfall. In the background, temporary piling is being driven to provide a cofferdam for seaward extension of the outfall.

Investigations for Further Works.

Wimmera River and Tributaries.

Evidence was prepared for presentation to the Parliamentary Public Works Committee (see page 17) in regard to known possibilities for storing water on the Wimmera River.

Ovens River and Tributaries.

Investigations began into the possibility of providing a large reservoir, or several smaller ones, in the Ovens River System.

Broken River.

Promising results have been obtained from investigations into diverting waters from Holland's Creek (a tributary of the Broken River) into Winton Swamp, for storage and use along the Broken River in summer.

Corop Lakes Scheme.

An interesting multi-purpose project was evolved to develop Green's Lake, just north of Corop in the Goulburn Irrigation System. This lake, which covers 4,000 acres, was filled after the 1956 floods from the overflow of Cornella and Wanalta Creeks. If developed, it could store up to 20,000 acre feet and provide annually possibly 6,000 acre feet of water not otherwise available.

The storage would be used to receive water which now runs to waste along the Waranga Western Channel when rainfall causes irrigation demand to slacken, and would also drain the surrounding swamps and Lake Cooper. During peak demand, water could be pumped into the Waranga Western Channel thus reducing the cost of remodelling works otherwise necessary.

Some 3,000 acres of land in Lake Cooper and 5,000 acres of swamps would benefit by improved drainage, and Green's Lake, being permanent water, would also be an attractive recreational centre.

ENGINEERING RESEARCH, TESTING, AND INSPECTION.

Engineering Research.

Research into improved methods of design, construction, maintenance, and repair of Commission works continued, the results obtained being disseminated by reports, research circulars, and field demonstrations.

Investigations included problems associated with plastic sheeting for channel lining, concrete-lined channels, asbestos cement pipes, and steel and reinforced-concrete structures (including pipes). Field trials of new materials and methods for sealing cracks and joints in concrete channels were carried out.



Workmen applying a plasticised material to a concrete-lined channel at Merbein. This is one of several methods of repairing cracks and joints in channels which the Commission's research engineers are investigating.

The painting of steel structures was studied by test applications and the establishment of exposure racks to compare the behaviour of paint samples in various environments. New techniques for repairing or enlarging reinforced-concrete structures, by using epoxy resin to bind new concrete to old, were also developed and applied in the field.

The behaviour of earthen and concrete structures continued to be recorded at Eildon, Cairn Curran, and Tullaroop Dams, and regular testing of Victorian cements was maintained.

For the International Commission on Irrigation and Drainage, which is conducting a world survey of experiments in preventing evaporation losses from reservoirs, summaries were prepared of results of work carried out in Australia and the Pacific Region.

Hydrologic Research.

A study in applying various statistical methods to hydrologic analysis is in progress, and the extent of sequential correlation in annual stream flows and annual rainfalls was investigated.

Reports were prepared on storm rainfall in Victoria giving the relation between depth, duration, frequency, and areal extent of heavy rainfall, and also the estimation of flows which can be diverted from a stream into a channel of given capacity.

Long-term stream flows were examined to determine generalized relations between regulated output and storage capacity, and additional studies on the Goulburn and Werribee River Systems were undertaken.

Hydraulic Research and Investigation.

A number of particular problems, including the hydraulic characteristics and designs of structures and water meters were studied by model tests. These included Maffra and Mildura Weirs, Tullaroop, Newlyn, and Eppalock Dams, and several channel structures. Work was undertaken at the Commission's Hydraulic Laboratory for the Latrobe Valley Water and Sewerage Board, the Soil Conservation Authority, the State Electricity Commission, and the Commonwealth Department of Works.



Model of the spillway for Eppalock Reservoir, now under construction. Models such as this provide essential data for the Commission's engineers.

Testing and Inspection.

Soil samples from 33 localities were tested for various projects, including Eppalock, Hepburn, and Newlyn Reservoirs, irrigation channels, proposed service basins and reservoirs for Waterworks Trusts, farm water supplies, and the Latrobe Valley Water and Sewerage Board's Moondarra Reservoir.

Inspection and testing of engineering materials and fabricated products continued, including work for other authorities, together with physical tests on cement, concrete, and tar enamel, and chemical tests on water samples.

PUMPING STATIONS AND PUMPING PLANT.

The Commission's main pumping stations, situated on or near the River Murray, supply water for the Irrigation Districts of Red Cliffs, Merbein, Nyah, Robinvale, and Tresco, and the Waterworks Districts of Millewa and Tyntynder North. Several smaller pumping stations supply water for domestic and stock supplies in the Wimmera-Mallee and Loddon Divisions.

Drainage pumps to relieve flooding in low-lying areas are operated in the Red Cliffs, Merbein, and Macalister Irrigation Districts, the Murray Valley, Swan Hill, and Koondrook Irrigation Areas, and in the Carrum Drainage District.

Pumping plant is also operated by the Commission for water supply to more than 50 towns, including bulk water supplies in the Otway and Mornington Peninsula Waterworks Districts.

The total quantity of water pumped for irrigation and domestic and stock supplies was 169,177 acre feet, including 108,834 acre feet pumped from the River Murray.

Major Projects.

New pumping projects under construction included a high-lift pumping station at Newlyn Reservoir designed to deliver 10 cusecs against a total head of 625 feet (see page 35), and a large borehole drainage pump near Heyfield for land reclamation (see pages 19 and 34).

Advance information was prepared for distribution to prospective tenderers for the supply of hydraulic turbine-driven pumps, to be installed at the Eppalock Dam for water supply to the Coliban System. This pumping station, which is scheduled for construction during 1962-63, will be one of the Commission's largest, and will fully utilize the surplus energy available in water released for irrigation purposes (see page 34).

Town Water Supplies.

To improve town supplies, new pumping stations were installed at Anglesea, Bittern Reservoir, Bunyip, Frankston, and Mornington, while new plant was installed at Leitchville, Meringur, Minyip, Nyah West, Rupanyup, and Werrimull.

Other Pumping Plant.

New stations were installed for drainage pumping in Murray Valley Irrigation Area and Red Cliffs and Robinvale Irrigation Districts. Improvements were also made to the irrigation pumps at Red Cliffs and Merbein.

CONSTRUCTION PLANT.

Purchases of new plant, mainly replacement excavators and crawler tractors, totalled £131,000 compared with £230,000 in the previous year. Spare parts worth £68,400 were bought, about the same as in 1958-59.

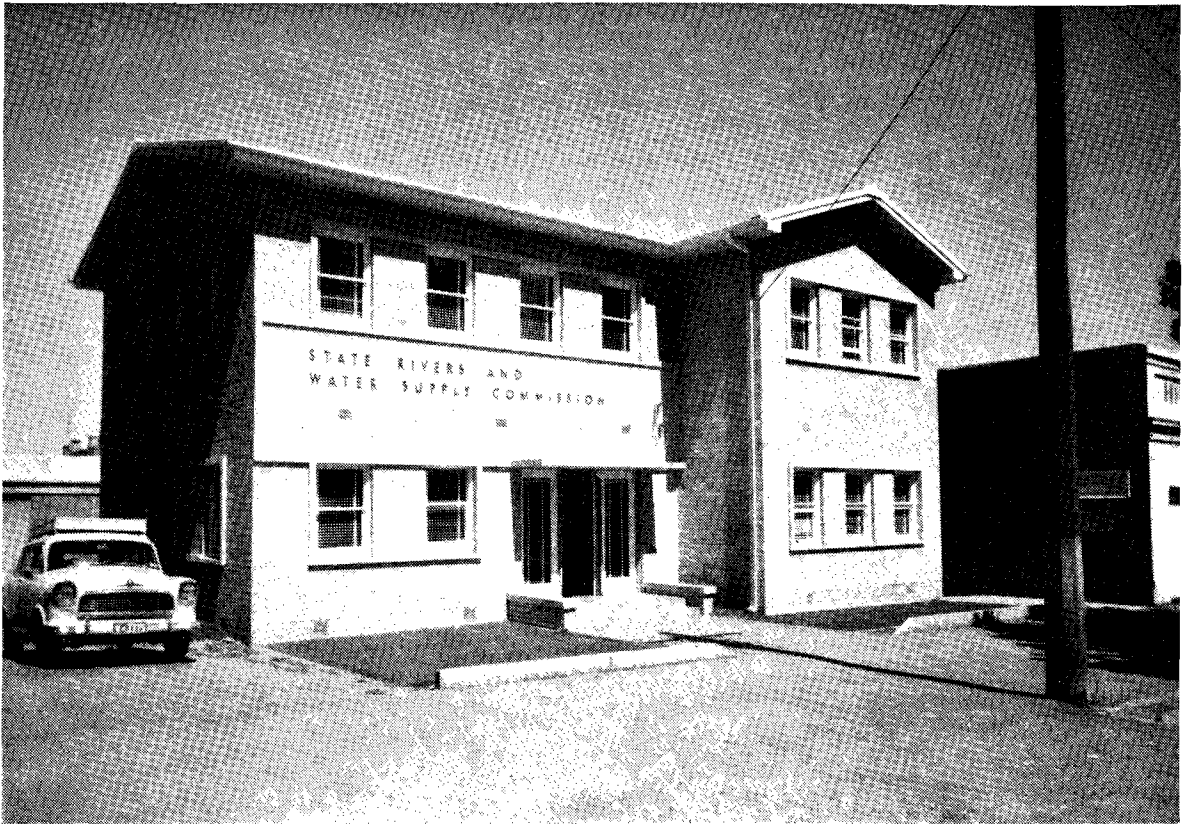
MOTOR TRANSPORT.

Motor vehicles operated by the Commission at 30th June, 1960, numbered 540, comprising 37 cars, 208 utility trucks, 94 Land Rovers, 38 light motor cycles, and 163 trucks and other heavy vehicles. Purchases totalled 135 vehicles, 22 being additions to the fleet and 113 replacements.

Vehicles covered 5,890,000 miles (in 1958-59, 5,315,000 miles), including 40,300 miles by low-loading transporters used to transport earth-moving plant.

HOUSING.

The number of Commission houses at the end of the year was 636, including thirteen houses under construction and eleven on River Murray Commission works, but excluding temporary houses at construction works. Six houses were built in 1959-60 and eight were purchased.



A modern office erected for the Commission at Castlemaine. The Commission has more than 30 permanent offices throughout the State.

MAINTENANCE OF STORAGES.

River Murray Works.

Torrumbarry Weir and Lock.

The trestles were in the river with the pool at or near full supply level until early in May when a rising river necessitated removal of some drop-bars. The trestles were withdrawn early in June.

Mildura Weir and Lock.

Weir trestles were in position all the year with the pool at full-supply level except for a short period in March.

State Works.

Eildon Reservoir.

More parking areas were provided near the observation point. A road to the look-out on Mount Pinniger was constructed, and work began on a new scenic road to the crest of a ridge above Point Swanson beyond Anderson's Harbour.

Goulburn Weir and Waranga Reservoir.

Additional facilities for tourists are being provided at both these storages.

Pykes Creek Reservoir.

To provide more parking space and better boat-launching facilities, an area adjacent to the Western Highway was graded.

SURVEYS AND HYDROGRAPHY

Surveys.

Land resumption and easement surveys were carried out on 302 properties.

Jobs completed during 1959-60 included the location survey of a pipe-line from Newlyn Reservoir to the Werribee River in connexion with the water supply to the Bacchus Marsh hardboard factory (see page 35); investigation surveys for Eppalock Dam and the Eppalock-Bendigo pipe-line (see page 34); land acquisition surveys for Tullaroop and

Castlemaine Reservoirs ; the re-survey of the Coliban Main Race ; and investigation surveys in the Murrumbidgee and Winton Swamp districts in the Ovens and Broken River systems. The basic survey was set out for progressive checks on the behaviour of the Lower Snowy River following the diversion of the headwaters of that river by the Snowy Mountains Authority.

In the Goulburn Irrigation Area, 162 miles of channels and drains were surveyed for remodelling, including 56 miles of the Waranga Western Channel between the Campaspe and Loddon Rivers. In the Murray Valley Irrigation Area, 86 miles of drains were located. In the Swan Hill Area, 10,300 acres of 3-in. contour plans were completed, and 19,200 acres of 12-in. contour surveys were finished in Boort Irrigation Area. Farm lay-out surveys were undertaken for 51 irrigators.

In the Wimmera-Mallee System, 123 miles of channels were surveyed for remodelling, and investigation surveys on the Upper Wannon River and Upper Fyan's Creek were started.

Siltation surveys were carried out at Hume, Cairn Curran, Pykes Creek, and Tullaroop Reservoirs. Bed levels of Mildura Weir Pool and Lakes Hindmarsh, Albacutya, and Nagambie were obtained by means of the portable echo-sounder.

Maps and Plans.

During the year, 456 title survey plans, 983 engineering survey plans and sections, and 29 photo-mosaics were compiled. The Plan Room issued 8,735 prints of original plans and 185 photo-maps.

Hydrography.

Discharge measurements totalled 1,665, of which 1,158 were on natural streams and 507 on channels and drains. The total number of gauging stations at 30th June, 1960, was 225, including 94 automatic recorder stations. Gaugings were carried out on 118 streams and three lakes throughout the State.

VALUATIONS.

Valuations for Land Compensation.

Most cases arose out of construction programmes in the Goulburn Valley, Macalister Irrigation District and the Mornington Peninsula ; at Tullaroop and Eppalock Reservoirs ; and for Lake Corangamite Project. Agreement was reached in 264 cases, claims aggregating £608,614 being settled for £332,995.

The system of interviews in advance of construction between landowners and officers of the Designs and Valuations Branches (described in the 1958-59 Annual Report) was successfully continued.

Rating Valuations.

Revaluations were made and used in Hindmarsh, Sea Lake, and Wycheproof Waterworks Districts. Revaluations for use in 1960-61 were in progress in Kerang North-West Lakes, Loddon, Upper Wimmera United, Werribee, Western Wimmera, and Wimmera United Waterworks Districts.

Supplementary valuations totalled 771, of which 534 were in Irrigation Districts, 190 in Waterworks Districts, and 47 in Flood Protection Districts.

Of seven appeals against valuations, four were withdrawn and three were under discussion at 30th June, 1960.

TECHNICAL LIBRARY.

New accessions numbered 620, making 9,740 books and pamphlets at 30th June, 1960. Periodicals received and circulated totalled 350. The Public Library of Victoria continues to provide the qualified staff for the Commission's library.

STAFF.**Numbers.**

Details of staff and employment are given in Appendix J, and changes in staff numbers are summarized below.

It will be noted that there was a net increase of eighteen in staff numbers in 1959-60 compared with an increase of 16 in 1958-59. At 30th June, 1960, the total number of staff was 1,429. The number of draughtsmen, draughting assistants, water bailiffs, rangers, and chainmen increased, but there were heavy losses of engineers and administrative staff.

CHANGES IN STAFF NUMBERS

	1958-59.			1959-60.		
	Professional.	Other.	Total.	Professional.	Other.	Total.
New appointments	33	133	166	31	169	200
Losses by—						
Retirement	4	30	34	7	27	34
Resignations	34	59	93	14	107	121
Transfers (net)	4	7	11	2	10	12
Other	1	11	12	1	14	15
Total losses	43	107	150	24	158	182
Net loss	10	..	..	..	..	..
Net gain .. .. .	..	26	16	7	11	18

Training.

Fifty-eight officers attended courses conducted by the Public Service Board. Eleven undertook supervision courses, thirteen attended training courses for Class "C" officers, 33 attended induction courses for Class "E" officers, and one attended a public relations course.

Within the Commission, a survey training course was conducted at Heyfield, and twelve passed the examination for survey assistants.

Two pupil surveyors qualified as licensed surveyors and one cadet valuer passed the final examination of the Commonwealth Institute of Valuers.

Retirements.

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

Mr. H. E. Harding, Chief Divisional Engineer.

Mr. H. G. Strom, Divisional Engineer.

Mr. A. R. McConchie, Executive Engineer.

Mr. L. Molnar, Designing Engineer.

Mr. N. C. E. Black, Executive Engineer.

Mr. A. Karoly, Designing Engineer.

Mr. A. S. Adams, Administrative Officer.

Mr. A. W. Hayes, District Accounting Officer.

Messrs. P. J. Butler, R. E. Barry, V. D. Campbell, A. Carey, N. Gill, W. G.

Moyes, R. Moschkowitz, J. L. Pendergast, A. G. Teasdale, H. H. Trewartha,

N. W. Van Der Upwich, and Miss M. I. Morehead, Assistants.

Mr. R. P. Dugdale, Supervising Instructor (Plant).

Mr. R. N. Smith, Supervisor, Farm Water Supply.

Retirements—continued

Mr. W. B. Gartside, Senior Works Inspector.
 Mr. G. N. Wheeler, Works Inspector.
 Mr. P. J. Young, Draughtsman.
 Mr. W. Lewkowicz, Assistant Surveyor.
 Mr. E. N. Shephardson, Overseer.
 Mr. F. Gee, Storeman.
 Messrs. J. Lacy, C. H. Lilburne, J. F. B. Lucas, and A. D. Waugh, Water Bailiffs.
 Messrs. R. E. L. Pearce and W. Wright, Rangers.

Deaths.

The Commission records with regret the deaths during the year of Mr. S. H. Mitchell, Superintendent of Water Distribution; Mr. R. Kerslake, Works Inspector; Mr. G. H. Watson, Water Bailiff; and Mr. J. D. Morshead, Meter Reader.

Senior Officers, Divisional and Branch Heads at 30th June, 1960.

Secretary	Everard Brown, J.P.
Chief Constructional Engineer	C. L. Sanders, L.S., A.M.Inst.C.E., F.ASCE., M.I.E.Aust.
Chief Designing Engineer	R. A. Horsfall, M.B.E., M.C.E., B.Mech. E., M.I.E.Aust.
Chief Engineer, Town Water Supplies, and Local Authorities	R. H. Richmond, B.C.E., M.I.E.Aust.
Chief Divisional Engineer	J. W. Moore, A.M.I.E.Aust.
Chief Mechanical Engineer	T. S. Moffatt, B.E.E., Dip.Mech.E., A.M.I.E.Aust.
Chief Irrigation Officer	W. P. Dunk, M.Agr.Sc., M.A.I.A.S.
Chief Surveyor	R. G. Mason, L.S., M.I.S.Aust.
Chief Estates Officer	J. F. Horwood
Chief Valuer	E. R. Inglis, L.S., A.C.I.V.
Assistant Chief Constructional Engineer	J. H. Standish, B.C.E., A.M.I.E.Aust.
Assistant Chief Designing Engineer	M. G. Speedie, M.C.E., F.ASCE., M.I.E.Aust.
Assistant Chief Divisional Engineer	H. L. Credlin, A.M.I.E.Aust.
Divisional Engineers—	
Main Urban Supplies	E. McD. Walker, B.C.E., A.M.I.E.Aust.
Southern	S. W. Rogerson, A.M.I.E.Aust.
Wimmera-Mallee Waterworks	D. Clark, Dip.Elec.E., Dip.Mech.E., A.M.I.E.Aust.
Loddon	K. D. Green, O.B.E., B.C.E., M.Inst.C.E., F.ASCE., M.I.E.Aust.
Waterworks Trusts and Sewerage Authorities	J. D. Lang, B.C.E., A.M.I.E.Aust.
Mallee Irrigation	W. E. Bromfield, B.C.E.
Rivers and Streams	H. C. Kermode, M.C.E., A.M.I.E.Aust.
Goulburn	J. J. Cummins, B.C.E., A.M.I.E.Aust.
Chief Finance Officer	L. A. King, A.A.S.A.
Staff and Industrial Officer	A. H. Rigg
Chief Accountant	W. J. Dynon, A.A.S.A.
Officer in Charge, Stores Branch	R. A. Myers
Superintendent of Water Distribution	J. R. C. Venables

PART 3.—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 unimproved capital value and/or 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.

In the districts where water for irrigation is obtained by gravitation from the various reservoirs throughout the State the compulsory irrigation charge was reduced in one district, and no alteration was made in the unit charges in the four districts which are supplied by pumping either from the River Murray or from storages.

The general rates made and levied in Irrigation Districts were in accordance with Section 66 (1) of the *Water (Irrigation) Act* 1959.

In thirteen Urban Districts the general rate was reduced, while in ten Urban Districts the general rate was increased.

Rates and charges in three Flood Protection Districts were unchanged, and the rate increased in one district.

A drainage rate was levied for the first time in Tresco Irrigation District.

The drainage rates in Irrigation Districts where drainage facilities have been provided were increased in four districts and reduced in one district. The drainage rate was increased in the Carrum Drainage District.

In Eildon Sewerage District in respect of which Commission exercises the functions of a Sewerage Authority, the sewerage rate was unchanged.

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, 1960, on Unimproved Capital Value.				Compulsory Irrigation Charge per Acre Foot of Water Right, Season 1959-60.	Number of Assessments.	Estimated Number of Persons Dwelling in District.								
						General Rate.		Drainage Rate.												
						1st.	2nd.	3rd.	4th.											
IRRIGATION DISTRICTS.																				
Supplied from Goulburn System, Yarrawonga Weir, and Torrumbarry System.	Valuation by Commission.	Divisions.				Valuation by Commission.	Divisions.				Compulsory Irrigation Charge per Acre Foot of Water Right, Season 1959-60.	Number of Assessments.	Estimated Number of Persons Dwelling in District.							
		1st.	2nd.	3rd.	4th.		1st.	2nd.	3rd.	4th.										
		1. GOULBURN-MURRAY ..	22,328,079	532,166	1,044,302		186,1170	0 1	0 0½	0 0¼				0 3½	0 2½	0 1¼	0 0⅞	15 0	12,767	32,291
		2. BACCHUS MARSH ..	388,962	3,307	3,296		6,688	0 1	0 0½	0 0¼				0 1-28	0 0-96	0 0-64	0 0-32	40 0	293	618
		3. MACALISTER ..	4,611,564	57,448	82,855		132,876	0 1	0 0½	0 0¼				0 0-8	0 0-6	0 0-4	0 0-4	24 0	1,071	4,010
		4. WERRIBEE ..	1,371,941	8,147	8,149		9,688	0 1	0 0½	0 0¼				0 0-8	0 0-6	0 0-4	0 0-4	30 0	334	1,686
		Totals	6,372,467	68,902	94,300		149,252	..	..	..				..	..	..	..	..	1,698	6,314
		5. MERBEIN ..	388,856	23,847	7,675		9,225	0 1	0 0½	0 0¼				0 4¼	0 3⅞	0 2¼	0 1⅞	For each 3 acre feet 180 0	593	1,830
		6. NYAH ..	73,075	7,133	2,599		3,832	0 1	0 0½	0 0¼				0 6	0 4½	0 3	0 1½	For each 2½ acre feet 150 0	253	650
		7. RED CLIFFS ..	583,145	34,322	11,298		13,601	0 1	0 0½	0 0¼				0 5	0 3¾	0 2½	0 1¼	For each 3 acre feet 180 0	858	3,300
8. ROBINVALE ..	165,219	13,874	5,550	9,078	0 1	0 0½	0 0¼	0 6	0 4½	0 3	0 1½	For each 2½ acre feet 175 0	332	1,352						
Totals	1,210,295	79,176	27,122	35,736	301,298	..	..	..	..	..	..	..	2,036	7,132						
9. TRESKO ..	65,413	3,636	1,768	4,649	13,902	0 1	0 0½	0 0¼	0 3½	0 2½	0 1¾	For each 2 acre feet 120 0	208	358						
Supplied on a Sale of Water Basis.																				
10. CAMPASPE ..	153,239	..	..	19,735	18,018	0 1	0 0½	0 0¼	..	..	..	Charge per acre foot for water supplied as sales 15 0	113	250						
Totals (Irrigation)	30,129,493	683,880	1,167,492	2,070,542	3,801,906	..	..	..	..	..	..	..	16,822	45,345						

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

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 Year ended 30th June, 1960, on Unimproved Capital Value.			Minimum Amount of Rate per 640 Acres on Lands in the First Division.	Number of Assessments.	Estimated Number of Persons Dwelling in District.
WATERWORKS DISTRICTS.								
	Valuation by Commission.	Valuation by Commission.	Divisions.					
			1st.	2nd.	3rd.			
<i>Supplied from Wimmera-Mallee System.</i>	£	£	s. d.	s. d.	s. d.	£ s. d.		
11. BIRCHIP	695,733	44,613	0 3	0 1½	0 0¾	24 0 0	504	850
12. HINDMARSH	180,735	27,788	0 2·4	..	0 0·6	24 0 0	62	263
13. KARKAROOC	2,733,861	170,821	0 3	0 1½	0 0¾	24 0 0	1,111	4,500
14. LONG LAKE	645,914	77,314	0 3	0 1½	0 0¾	24 0 0	841	2,200
15. OUYEN	335,322	45,098	0 3	0 1½	0 0¾	24 0 0	894	2,000
16. SEA LAKE	717,469	159,364	0 3	0 1½	0 0¾	24 0 0	539	1,760
17. TYNTYNDER	307,452	40,086	0 3	0 1½	0 0¾	24 0 0	838	2,100
18. TYRRELL	253,281	42,870	0 3	0 1½	0 0¾	24 0 0	892	2,200
19. TYRRELL WEST	156,342	24,715	0 3	0 1½	0 0¾	24 0 0	524	1,000
20. UPPER WESTERN WIMMERA	1,463,612	89,994	0 2·4	..	0 0·6	24 0 0	543	1,742
21. UPPER WIMMERA UNITED	3,713,193	224,498	0 1·3	..	0 0·325	24 0 0	783	2,400
22. WESTERN WIMMERA	8,538,425	526,189	0 1·3	0 0·65	0 0·325	..	2,440	8,752
23. WIMMERA UNITED	12,696,184	785,091	0 0·7	0 0·35	0 0·175	..	2,400	7,300
24. WYCHEPROOF	1,241,938	189,781	0 3	0 1½	0 0¾	24 0 0	794	500
25. WYCHITELLA	855,494	62,289	0 2·8	0 1·4	0 0·7	24 0 0	497	2,470
Totals	34,534,855	2,510,511	..	..	..	..	13,662	40,037
<i>Supplied direct from River Murray.</i>								
26. MILLEWA	129,969	31,173	0 3	0 1½	0 0¾	24 0 0	401	829
27. TYNTYNDER NORTH	113,159	16,557	0 3	0 1½	0 0¾	24 0 0	207	400
Totals	243,128	47,730	..	..	..	..	608	1,229
<i>Supplied by Bores.</i>								
28. WALPEUP WEST	357,877	20,778	0 1	0 0½	..	10 13 4 1st Div., as 1 5 0 8 2nd Div.	446	600
<i>Supplied from Coliban System.</i>								
29. AXE CREEK	29,295	5,935	1 6*	..	..	..	64	160
30. HARCOURT	134,967	37,350	0 3	..	..	..	235	615
Totals	164,262	43,285	..	..	..	..	299	775
<i>Miscellaneous.</i>								
31. EAST LODDON	307,020	19,702	0 2	0 1	0 0½	..	293	160
32. KERANG NORTH-WEST LAKES	157,714	18,306	0 1	..	..	..	137	221
33. LODDON	815,104	49,876	0 1·4	0 0·7	..	..	307	262
34. NORMANVILLE	833,504	48,885	0 3	0 1½	0 0¾	24 0 0	388	450
35. WERRIBEE	119,050	9,668	0 2·8	..	..	..	59	70
36. WEST LODDON	694,641	40,141	0 1·8	0 0·9	0 0·45	..	366	299
Totals	2,927,033	186,578	..	..	..	..	1,550	1,462
Totals (Waterworks)	38,227,155	2,808,882	..	..	..	..	16,565	44,103

* On Net Annual Value.

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, 1960.	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.							
	Municipal Valuation.				Rate Allowance.	Excess.	
<i>Supplied from Bellarine Peninsula System.</i>	£	s. d.	s. d.	s. d.	s. d.	s. d.	
37. ANGLESEA	26,197	3 6	80 0	40 0	2 0	1 8	400
38. BARWON HEADS AND OCEAN GROVE ..	67,490	2 8	80 0	40 0	2 0	1 8	2,600
39. BIRREGURRA	6,475	3 6	80 0	40 0	2 0	1 8	460
40. DRYSDALE	8,481	3 6	80 0	40 0	2 0	1 8	620
41. PORTARLINGTON	16,986	3 6	80 0	40 0	2 0	1 8	960
42. QUEENSLIFF AND POINT LONSDALE ..	82,555	2 6	80 0	40 0	2 0	1 8	3,500
43. TORQUAY	57,938	1 9	80 0	40 0	2 0	1 8	1,050
Totals	266,122	..	..	..	..	..	9,590
<i>Supplied from Mornington Peninsula System.</i>							
44. BERWICK	41,892	2 8	80 0	40 0	2 0	1 8	1,592
45. BITTERN-CRIB POINT	22,205	3 0	80 0	40 0	2 0	1 8	1,080
46. BUNYIP	13,976	1 2	80 0	40 0	2 0	1 8	740
47. CHELSEA-FRANKSTON	1,407,520	1 6	80 0	40 0	2 0	1 8	41,052
48. CRANBOURNE	18,848	2 6	80 0	40 0	2 0	1 8	924
49. DANDENONG-SPRINGVALE	321,348	0 10	80 0	40 0	2 0	1 8	2,396
50. DROMANA-PORTSEA	991,651	1 8	80 0	40 0	2 0	1 8	17,487
51. GARFIELD	11,632	1 2	80 0	40 0	2 0	1 8	564
52. HASTINGS	29,696	3 0	80 0	40 0	2 0	1 8	964
53. LONGWARRY	16,370	1 2	80 0	40 0	2 0	1 8	576
54. MORNINGTON	349,917	1 6	80 0	40 0	2 0	1 8	8,564
55. PAKENHAM	45,474	1 2	80 0	40 0	2 0	1 8	1,428
56. SOMERVILLE	16,494	1 8	80 0	40 0	2 0	1 8	541
57. SOUTH FRANKSTON	249,541	1 6	80 0	40 0	2 0	1 8	4,876
Totals	3,446,564	..	..	..	..	..	83,784
<i>Supplied from Otway System.</i>							
58. ALLANSFORD	6,532	3 6	80 0	40 0	2 0	1 8	340
59. CAMPERDOWN	98,213	2 0	80 0	40 0	2 0	1 8	3,450
60. COBDEN	28,053	2 5	80 0	40 0	2 0	1 8	1,250
61. TERANG	84,616	2 0	80 0	40 0	2 0	1 8	2,500
Totals	217,414	..	..	..	..	..	7,540
<i>Supplied from Wimmera-Mallee System.</i>							
62. ANTWERP	326	3 6	80 0	20 0	2 0	1 8	52
63. BERRIWILLOCK	2,934	3 6	80 0	20 0	2 0	1 8	200
64. BEULAH	8,393	3 6	80 0	20 0	2 0	1 8	430
65. BIRCHIP	19,960	3 0	80 0	20 0	2 0	1 8	975
66. BRIM	1,911	3 6	80 0	20 0	2 0	1 8	250
67. CHILLINGOLLAH	431	3 6	80 0	20 0	2 0	1 8	54
68. CHINKAPOOK	643	3 6	80 0	20 0	2 0	1 8	70
69. CULGOA	3,128	3 6	80 0	20 0	2 0	1 8	180
70. DIMBOOLA	38,841	1 2	80 0	20 0	2 0	1 8	2,046
71. DOON	423	3 6	80 0	20 0	2 0	1 8	26
72. HOPETOUN	19,451	2 6	80 0	20 0	2 0	1 8	900
73. JEPARIT	16,893	1 8	80 0	20 0	2 0	1 8	952
74. JUNG JUNG	1,389	3 6	80 0	20 0	2 0	1 8	184
Carried forward	114,723	..	..	..	..	..	6,319

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, 1960.	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.
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URBAN DISTRICTS—continued.

	Municipal Valuation.				Rate Allowance.	Excess.		
	£	s. d.	s. d.	s. d.	s. d.	s. d.		
Brought forward	114,723						2,364	6,319
75. LALBERT	1,479	3 6	80 0	20 0	2 0	1 8	48	132
76. LASCELLES	1,781	3 6	80 0	20 0	2 0	1 8	63	114
77. MANANGATANG	4,733	3 6	120 0	20 0	2 0	1 8	127	400
78. MARNOO	2,579	3 6	80 0	20 0	2 0	1 8	50	250
79. MINYIP	18,507	2 3	80 0	20 0	2 0	1 8	312	800
80. NANDALY	686	3 6	80 0	20 0	2 0	1 8	45	110
81. NATIMUK	5,944	2 2	80 0	20 0	2 0	1 8	182	585
82. NULLAWIL	1,169	3 6	80 0	20 0	2 0	1 8	58	100
83. OUVEN	21,270	3 6	80 0	20 0	2 0	1 8	507	1,500
84. PATCHEWOLLOCK	2,087	3 6	80 0	20 0	2 0	1 8	74	155
85. PIMPINIO	552	3 6	125 0	20 0	2 0	1 8	28	66
86. QUAMBATOOK	5,979	3 6	80 0	20 0	2 0	1 8	197	490
87. RAINBOW	17,639	1 0	80 0	20 0	2 0	1 8	335	930
88. RUPANYUP	13,211	2 9	80 0	20 0	2 0	1 8	236	750
89. SEA LAKE	17,192	2 6	80 0	20 0	2 0	1 8	378	885
90. SPEED	1,188	3 6	80 0	20 0	2 0	1 8	19	81
91. TEMPY	592	3 6	80 0	20 0	2 0	1 8	30	77
92. ULTIMA	2,904	3 6	120 0	20 0	2 0	1 8	148	288
93. WAITCHIE	137	3 6	80 0	20 0	2 0	1 8	32	21
94. WALPEUP	1,548	3 6	130 0	20 0	2 0	1 8	93	120
95. WATCHEM	2,754	3 6	80 0	20 0	2 0	1 8	141	215
96. WOOMELANG	7,347	2 6	80 0	20 0	2 0	1 8	198	340
97. WOORINEN	2,617	3 6	80 0	20 0	2 0	1 8	82	300
98. WYCHEPROOF	18,554	3 0	80 0	20 0	2 0	1 8	380	965
99. YAAPEET	653	3 6	80 0	20 0	2 0	1 8	27	56
Totals	267,825						6,154	15,989
Supplied from Torumberry System.								
100. COHUNA	48,135	1 3	80 0	20 0	2 0	1 8	650	2,050
101. KOONDROOK	8,304	3 6	80 0	20 0	2 0	1 8	268	626
102. LEITCHVILLE	9,615	2 6	80 0	20 0	2 0	1 8	133	450
103. MURRABIT	929	3 6	80 0	20 0	2 0	1 8	36	70
Totals	66,983						1,087	3,196
Supplied Direct from River Murray.								
104. CARWARP	203	3 6	80 0	20 0	2 0	1 8	21	50
105. LAKE BOGA	5,165	3 6	80 0	20 0	2 0	1 8	202	518
106. MERBEIN	39,267	2 3	80 0	20 0	2 0	1 8	546	1,750
107. MERINGUR	287	3 6	100 0	20 0	2 0	1 8	35	55
108. NYAH	2,495	3 6	80 0	20 0	2 0	1 8	85	300
109. NYAH WEST	8,801	2 0	80 0	20 0	2 0	1 8	200	508
110. PIANGIL	1,722	3 6	80 0	20 0	2 0	1 8	90	319
111. RED CLIFFS	58,051	2 6	80 0	20 0	2 0	1 8	711	2,700
112. ROBINYALE	17,611	2 0	80 0	20 0	2 0	1 8	403	110
113. WERRIMUL	2,009	3 6	100 0	20 0	2 0	1 8	66	972
Totals	135,611						2,359	7,282
Miscellaneous.								
114. COROP	163	3 6	80 0	20 0	2 0	1 8	16	40
115. DINGEE	808	3 6	80 0	20 0	2 0	1 8	34	69
116. EILDON	39,419	3 0	80 0	20 0	2 0	1 8	389	1,500
117. ELPHINSTONE	1,643	3 6	80 0	20 0	2 0	1 8	42	90
118. HEYFIELD	28,647	3 6	80 0	20 0	2 0	1 8	625	2,500
119. LOCKINGTON	9,418	1 9	80 0	20 0	2 0	1 8	153	387
120. MACORNA	736	3 6	135 0	20 0	2 0	1 8	47	42
121. MARONG	2,533	3 6	80 0	20 0	2 0	1 8	55	200
122. MITIAMO	1,891	3 6	130 0	20 0	2 0	1 8	71	184
123. NEWSTEAD	7,316	3 6	80 0	20 0	2 0	1 8	169	415
Carried forward	91,974						1,601	5,427

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, 1960.	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.
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URBAN DISTRICTS—continued.

Miscellaneous—continued.	Municipal Valuation.	Rate			Rate		Number of Assessments.	Estimated Number of Persons Dwelling in District.
		£	s. d.	s. d.	s. d.	Rate Allowance.	Excess.	
Brought forward	91,974							1,601 5,427
124. PYRAMID HILL	15,068	1 6	80 0	20 0	2 0	1 8	220	594
125. STANHOPE	12,920	2 1	80 0	20 0	2 0	1 8	162	640
126. TALLYGAROPNA	1,957	3 6	100 0	20 0	2 0	1 8	42	120
127. WONTHAGGI	108,726	2 0	50 0	20 0	2 0	1 8	2,030	5,300
Totals	230,645	..	..	..	..	..	4,055	12,081

COLIBAN SYSTEM.

	Municipal Valuation.	Rate			Rate		Number of Assessments.	Estimated Number of Persons Dwelling in District.
		£	s. d.	s. d.	s. d.	Rate Allowance.	Excess.	
128. COLIBAN	1,425,636	1 6	40 0	20 0	2 0	1 8	18,787	57,309
Includes Bendigo, Castlemaine, Eaglehawk, Maldon, Barker's Creek, Campbell's Creek, Chewton, 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 Elphinstone and Marong.								
Totals (Urban)	6,056,800	..	..	..	..	..	67,384	196,771

District.	Unimproved Capital Value.	Rate in the £1 made during Year ended 30th June, 1960, on Unimproved Capital Value.	Number of Assessments.	Estimated Number of Persons Dwelling in District.
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DRAINAGE DISTRICT.

	£	Divisions.				Number of Assessments.	Estimated Number of Persons Dwelling in District.
		1st.	2nd.	3rd.	4th.		
		s. d.	s. d.	s. d.	s. d.		
129. CARRUM	2,030,785	0 3½	0 2½	0 1¾	0 0½	6,200	7,000
(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, 1960, on Net Annual Value.	Number of Assessments.	Estimated Number of Persons Dwelling in District.
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FLOOD PROTECTION DISTRICTS.

	Valuation by Commission. N.A.V.	Divisions.				Number of Assessments.	Estimated Number of Persons Dwelling in District.
		1st.	2nd.	3rd.	4th.		
		£	s. d.	s. d.	s. d.		
130. LOWER KOO-WEE-RUP	222,730	3 4	2 6	1 8	0 10	1,233	3,200
131. CARDINIA	89,044	3 4	2 6	1 8	0 10	341	830
	311,774						
	Area in Acres.	Charge per Acre made during Year ended 30th June, 1960.					
132. KANYAPELLA	12,633	0 3	..	0 1½	..	51	15
133. LOCH GARRY	41,687	0 3	..	..	..	115	196
Totals (Flood Protection)	54,320	..	..	..	..	1,740	4,241
	Area N.A.V. 311,774						

VALUATIONS, RATES, AND FLOOD PROTECTION CHARGES—continued.

District.	Annual Value of Lands and Tenements.	Rate in the £1 made during Year ended 30th June, 1960.	Number of Assessments.	Estimated Number of Persons Dwelling in District.
SEWERAGE DISTRICT.				
	Municipal Valuation.			
	£	s. d.		
134. EILDON	78,321	1 8	428	1,500

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 charge is 15s. an acre in respect of the total area authorized to be irrigated under permit or £3, whichever is the greater.

For domestic and stock supplies from the Commission's pipe-lines to properties within the Bellarine Peninsula, Mornington Peninsula, and Otway Waterworks Districts but outside proclaimed Urban Districts, the charges are in accordance with the Commission's By-law No. 5298 or by special agreement, and are as follows:—

Minimum Annual Charges.

Land on which there is a House.	Vacant Land.	Minimum Annual Charge.
		£
Area not exceeding 1 acre	Area not exceeding 20 acres	5
Area greater than 1 acre and not exceeding 20 acres	Area greater than 20 acres and not exceeding 40 acres	8
Area greater than 20 acres and not exceeding 40 acres	Area greater than 40 acres and not exceeding 60 acres	11
Area greater than 40 acres and not exceeding 60 acres	Area greater than 60 acres and not exceeding 80 acres	14
Area greater than 60 acres and not exceeding 80 acres	Area greater than 80 acres and not exceeding 100 acres	17
Area greater than 80 acres	Area greater than 100 acres	20

FINANCE

(*L. A. King, A.A.S.A., Chief Finance Officer.*)

REVENUE.

The total revenue assessment for the year for rates and charges, sales of water, interest on arrears, &c., was £2,858,756. This is a record in the history of the Commission and represents an increase of £234,289 over the previous year. The actual sum collected during the year was also a record and totalled £2,774,194.

An amount of £10,697 (including £48 in respect of Eildon Sewerage District) was written off the books of the Commission for the financial year 1959-60 as compared with £86,094 for the previous year.

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, 1960, was £795. 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, 1960, through default in payment of instalments, amounted to £714.

The total arrears of assessments increased from £522,721 as at 1st July, 1959, to £577,598 as at 30th June, 1960. This figure includes the balance of arrears consolidated under the Water Act together with outstanding interest accrued on arrears of instalments. The increase in arrears is due primarily to the increased sales of water, the assessment of which reached £700,437, an increase of £162,458 over the previous year. The greater portion of sales occurs late in the financial year and with a six-month interest-free period for the payment for excess water, irrigators are disinclined to pay their accounts at a date earlier than necessary. This has the effect that when sales are in excess of those of the previous year so also are the arrears as at 30th June.

The arrears of rates and charges at 30th June, 1960 (£199,604) represents 10·4 per cent. of the current assessment for these items (£1,921,926). Included in this amount is approximately £18,000 owing in dried fruit areas, £39,000 owing by soldier settlers becoming established in new settlements, and £11,000 on abandoned blocks in depressed Mallee areas. The balance of £131,604 is spread over 130 districts and represents 8·7 per cent. of the 1959-60 assessment.

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 in respect of River Murray Commission, Loan Funds, &c.	Interest on (a) Lands Sold, (b) Plant and Machinery Account, (c) Works for other Authorities.	Total.
	£	£	£	£
1957-58 ..	2,614,162	873,612	(a) 8,519 (b) 51,307 (c) 971	3,548,571
1958-59 ..	2,669,745	920,239	(a) 8,224 (b) 52,724 (c) 1,739	3,652,671
1959-60 ..	2,774,194	920,072	(a) 9,317 (b) 53,505 (c) 447	3,757,535

EXPENDITURE.

The expenditure for the year on maintenance, water distribution and management, and the comparative figures for 1958-59 are set out hereunder :—

	1958-59.	1959-60.
	£	£
From Annual Vote Appropriation	3,502,610	*3,772,252
From Annual Vote Appropriation (Exceptional)	21,009	† 22,637
	<u>3,523,619</u>	<u>‡3,794,889</u>

* Includes £425,650 for reoup works and £566,859 for administration in respect of expenditure from other funds charged to vote and recouped to Consolidated Revenue, £75,000 for contributions to River Murray Commission, and £144,403 for miscellaneous National services.

† Consists of £22,637 assistance to local Water Authorities.

‡ Excludes £6,195 vote appropriation in respect of Eildon Sewerage District and £120,615 assistance and subsidies to other Sewerage Authorities.

Total expenditure on works carried out or supervised by the Commission for the year 1959-60 was as set out hereunder :—

	£	£
Vote Funds	3,794,889	
Special Appropriations	<u>12,694</u>	3,807,583
Ordinary Loan Funds—		
Commission Works	5,056,522	
Contribution to River Murray Commission Works	69,000	
Waterworks Trusts and Local Governing Bodies	1,098,695	
River Improvement Trusts	200,600	
Latrobe Valley Works of Water Supply	<u>768,745</u>	7,193,562
Water Supply Works Depreciation Fund .. .. .	..	15,995
Irrigation Districts Maintenance Equalization and Renewals Account .. .. .	..	<u>56,521</u>
Total expenditure on construction, operation, maintenance, and administration of Commission's Works and Water Supply Works supervised by Commission		<u>11,073,661*</u>

*Excludes expenditure from Plant and Machinery Depreciation Fund £184,219, expenditure for work carried out on behalf of Soldier Settlement Commission £5,125, loans to Country Sewerage Authorities £625,285, and vote expenditure in respect of Eildon and other Sewerage Authorities as mentioned above.

Expenditure on capital construction works was provided from—

	£
Water Supply Loans Application Act No. 6460	1,965,705
Water Supply Loans Application Act No. 6566	5,119,510
Treasurer's Advance	<u>108,347</u>
	7,193,562
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	<u>76,235</u>
Total increase in Loan Liability for the year	7,269,797
Deduct: Commission repayments to—	£
State Loans Repayment Fund	397,813
Redemption Account	14,761
Repayments by Waterworks Trusts and Local Governing Bodies	62,989
Repayments by River Improvement Trusts	236
Repayments by Latrobe Valley Works of Water Supply	<u>7,979</u>
	483,778
The net increase in Loan Liability for the year was	<u>6,786,019</u>

The contribution by the Government of Victoria to the River Murray Commission for the maintenance of works under the River Murray Agreement was £75,000 (included in the expenditure from Annual Vote Appropriation as shown above). The actual expenditure by this Commission on the maintenance of these works was £41,790 and on construction of new works £102,458.

CAPITAL LIABILITY.

The Capital Loan Liability of the State for Works of Country Water Supply at 30th June, 1960, was £114,395,278, of which amount £95,495,474 is charged to the "Capital Expenditure borne by the State Account". Of the remainder, £7,993,903 is charged to Waterworks Trusts and Local Governing Bodies, £140,388 to River Improvement Trusts, £2,278,338 is charged to Latrobe Valley Water Supply under the general supervision of the Commission, £1,696,886 is debited to the Plant and Machinery Account, and the balance £6,790,289 represents the Capital Liability after adjustment, debited to Districts directly under the control of the Commission and to Plant Workshops. These figures are exclusive of an equity of £10,295,679 in the National Debt Sinking Fund.

In accordance with the provisions of the *Water Act* 1943, No. 4983, 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 30th day of June in the preceding financial year. The average rate per centum of interest so charged for 1959-60 is £4 6s. 3d.

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	4,612,450	13	10
Exchange on Overseas Interest	152,490	0	8
Loan Conversion Expenses	13,151	13	0
	4,778,092	7	6

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 1959-60 in relation to the Capital Liability:—

Capital Debited to—	Capital Liability as at 30th June, 1960.	Interest Liability (excluding Exchange and Loan Conversion Expenses).	Interest Paid by Water Users (including Arrears).
	£	£	£
Districts under the direct control of the Commission..	6,790,289	188,596	150,818
Waterworks Trusts, Local Governing Bodies, River Improvement Trusts and Latrobe Valley ..	10,412,629	306,152	311,343
Plant and Machinery Account	1,696,886	53,505	53,505
Capital Expenditure borne by the State Development Account	95,495,474	4,064,198	..
	114,395,278	4,612,451	515,666

IRRIGATION DISTRICTS MAINTENANCE EQUALIZATION AND RENEWALS ACCOUNT.

Section 68 of the *Water Act* 1958, No. 6413, as amended by Section 2 of Act No. 6582 provides for the establishment of an account to be known as the Irrigation Districts Maintenance Equalization and Renewals Account. The section further provides for the transfer to that account from the Water Supply Works Depreciation Fund such amount as the Governor in Council by order directs to be so transferred as representing the entire equity of the Irrigation Districts in that fund at 1st July, 1959.

The amount so transferred was £118,019 3s. A further sum of £1,940 14s. 5d. was paid direct to the account, being amounts contributed by landholders and other bodies as capitalized maintenance of water supply works constructed for their respective benefits. Expenditure charged to the account for renewals during the year was £56,521 8s. 9d., leaving a balance of £63,438 8s. 8d. in the account as at 30th June, 1960.

Details of the account are set out on page 88 of this Report.

In the districts where water for irrigation is pumped a subsidy is authorized by the Governor in Council towards the cost of the maintenance and management of the district. The subsidy, however, does not include any provision for deferred maintenance or renewals, and until the revenue in those districts exceeds expenditure, they will not be able to provide for the renewal of assets or for maintenance which for various reasons has been deferred.

DEPRECIATION.

The amount at credit of the Water Supply Works Depreciation Account in the Commission's books at 1st July, 1959, was £1,038,708 2s. 8d., of which £556,553 18s. was in respect of Irrigation Districts. The Irrigation Districts' share of the account was written back out of the account partly to the Irrigation Districts Maintenance Equalization and Renewals Account—to the extent of the equity of the Irrigation Districts in the Depreciation Fund in the Treasury (£118,019 3s.) and the balance (£438,534 15s.) to the respective districts' profit and loss and cash accounts. The amounts so written back to the profit and loss and cash accounts were:—

	£	s.	d.
Bacchus Marsh	2,612	6	6
Campaspe	1,854	14	9
Goulburn-Murray	239,940	5	6
Macalister	9,092	5	10
Merbein	45,107	6	8
Nyah	15,089	14	7
Red Cliffs	81,196	13	0
Robinvale	34,243	9	3
Tresco	5,667	11	3
Werribee	3,730	7	8
Total	438,534	15	0

The balance remaining in the account and in respect of Commission Districts other than Irrigation Districts was £482,154 4s. 8d. During the year an amount of £147,476 was raised for depreciation and a further sum of £126 17s. 2d. was paid direct to the Fund, being amounts contributed by landholders and other bodies as capitalized maintenance of water supply works constructed for their respective benefits.

After crediting the account with interest amounting to £11,642 11s. 10d. and deducting the expenditure for the year £15,994 15s. 6d., the balance remaining in the account as at the 30th June, 1960, was £625,404 18s. 2d.

The Water Act, No. 6413, Section 83, 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 provides 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.

No transfer was made during the year from the Commission's revenue to the Water Supply Works Depreciation Fund in the Treasury. The difference between the credit to the Depreciation Fund and the amounts credited to the Depreciation Account in the Commission's books is £550,565 11s. 1d.

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

Details of the Water Supply Works Depreciation Account are set out on pages 88 and 89 of this Report.

PLANT AND MACHINERY ACCOUNT AND STORES SUSPENSE ACCOUNTS.

The capital liability for large-size moveable plant and machinery, held in the Plant and Machinery Account at 30th June, 1960, was £1,696,885 18s. 8d.

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 £561,612 12s. 7d.

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 £1,044,681 11s. 4d. as at 30th June, 1960.

The amount at debit of the Water Supply Stores Suspense Account as at 30th June, 1960, was £276,122 19s. 9d., whereas the book value of stores and equipment controlled within the account was £837,735 12s. 4d. The difference, £561,612 12s. 7d., represents the amount at credit of the operating account (also controlled within the Stores Suspense Account) in respect of major items of plant recorded in Plant and Machinery Account.

REVENUE EXPENDITURE CHARGEABLE TO THE STATE ACCOUNT.

Section 69 of the *Water Act* 1958, No. 6413, as amended by Section 2 of the *Water (Irrigation) Act* 1959, No. 6582, provides for the accrued losses of each Irrigation District at 1st July, 1959, to be transferred to the State and to be recorded in the "Revenue Expenditure Chargeable to the State Account".

The losses so transferred were:—

District—	£	s.	d.
Campaspe	1,298	15	9
Goulburn-Murray	227,365	2	5
Merbein	86,952	14	6
Nyah	47,328	3	8
Red Cliffs	179,246	14	0
Robinvale	123,126	6	6
Tresco	83,593	4	0
Werribee	37,231	16	8
Total	786,142	17	6

Section 67 (3) (f) provides for subsidies to be made available to certain Irrigation Districts to such extent as the Governor in Council may authorize. The subsidies actually provided and charged to the State Account in 1959-60 were:—

District—	£	s.	d.
Nyah	7,398	4	3
Red Cliffs	28,372	9	5
Robinvale	1,197	8	3
Tresco	6,690	0	0
	43,658	1	11

Section 47 provides that in respect of districts other than Irrigation Districts, 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 loss shall be transferred to the "Revenue Expenditure Chargeable to the State Account".

Throughout 1959-60 the Commission, by direction of the Governor in Council, has continued the operation of 46 such districts and the amount so transferred was £254,740.

In twelve of these districts an aggregate cash surplus of revenue over expenditure of £3,507 was obtained. This amount was applied to Depreciation (£3,323) and interest (£40), leaving a sum of £144 available to the credit of the respective districts. The net deficiency of the Order in Council districts was, therefore, £254,596.

The districts to which services were continued by direction of the Governor in Council were :—

Waterworks Districts (16).

Axe Creek	Karkarooc	Otway	Tyntynder North
Birchip	Long Lake	Ouyen	Tyrrell
*Harcourt	Millewa	Sea Lake	Tyrell West
*Hindmarsh	Normanville	Tyntynder	Wycheproof

Urban Districts (29).

Antwerp	*Hopetoun	Murrabit	Tempy
Brim	Jung Jung	*Nandaly	Waitchie
Chinkapook	Lalbert	Newstead	Walpeup
*Coliban	Lake Boga	Nullawill	*Watchem
Dingee	*Lascelles	Nyah	Yaapect
Dooen	*Macorna	Patchewollock	
*Elphinstone	*Marong	*Pimpinio	
Heyfield	*Mitiamo	Speed	

Flood Protection District (1).

Loch Garry.

* Districts in which revenue exceeded operating costs.

FINANCIAL STATEMENTS.

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

In accordance with the provisions of the Sewerage Districts Act, the Commission has been authorized to operate the Eildon Sewerage District, and the district has been rated since 1st July, 1957. The financial operations of the district are excluded from the financial statements set out hereunder which refer only to operations of Country Water Supply. Financial statements relating to the Eildon Sewerage District are set out on page 77 of this Report.

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 of 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 1959-60, and paid from the Commission's vote appropriation was	£
.. .. .	1,448,405

This amount may be offset by miscellaneous revenue collected in respect of rents, recoup payments, &c.	1,165,580
	<hr/> 282,825 <hr/>

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

NET COST TO STATE.

The net cost to the State for the year in connexion with country water supply which has been met from general revenue was £4,823,498. 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 "loss" is the amount of £256,098 being the net deficiency of £254,596 on districts, the operations of which were continued by direction of the Governor in Council, and the net deficiency of £1,502 on other Commission districts.

A summary of the total cost to the State for the year's operations is set out hereunder—a more detailed analysis is set out on page 62 of this Report.

	£	£
Net loss on "Order in Council" districts	254,596	
Net loss on other Commission districts	1,502	
		256,098
Cost of "National Services"	1,448,405	
Less Miscellaneous revenue collected	1,165,580	
		282,825
		538,923
Interest, Exchange, and Loan Conversion Expenses on Headworks and Capital borne by the State	4,229,840	
	£	
Less Interest on lands sold	9,317	
Reduction in Arrears of Interest owing by Waterworks Trusts ..	5,191	
Interest on plant sold to, and works carried out for other Authorities	448	
		14,956
		4,214,884
		4,753,807
Less amount paid to Revenue in respect of Depreciation (£146,478) and Redemption (£10,302)		156,780
		4,597,027
Contribution to National Debt Sinking Fund	285,278	
Less Recoups paid to Revenue	58,807	
		226,471
Net cost to the State		4,823,498

The net cost to the State for 1959-60 was £505,923 greater than the comparable figure for the previous year and represents £1 13s. 4d. per capita of the population of the State. The increase is due primarily to the continued increased charge for interest, exchange, and loan conversion expenses which reached a record total of £4,778,092—an increase of £399,144 over the previous year.

Since the charge for interest is determined by the loan liability of the Commission, the continued programme of capital works necessary for development of the water resources of the State must result in an increased charge for interest each year, and with rising rates of interest on borrowed moneys, the charge must increase to a greater extent, with a corresponding tendency to increase the over-all cost to the State of country water supply.

RESULTS OF OPERATIONS IN DISTRICTS UNDER CONTROL OF COMMISSION.

Disbursements, 1959-60.

	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	37,183 5 1	567 7 6	2,672 0 0	..	..	40,422 12 7
Coliban Works	174,096 13 5	12,631 11 1	19,258 0 0	803 0 0	..	206,789 4 6
Irrigation Districts	1,390,931 8 7	..	..	..	..	1,390,931 8 7
Waterworks Districts	606,658 17 0	25,906 1 4	23,122 0 0	3,065 0 0	2,584 11 7	661,336 9 11
Urban Districts	298,904 4 2	148,923 19 3	93,188 0 0	1,225 0 0	7,670 2 11	549,911 6 4
Flood Protection Districts ..	39,297 0 0	..	2,988 0 0	123 0 0	..	42,408 0 0
Carrum Drainage District ..	12,950 17 0	567 5 11	..	34 0 0	47 5 6	13,599 8 5
Expenditure not chargeable to Districts—River Murray Commission, Recoupable and other items	2,560,022 5 3	188,596 5 1	141,228 0 0	5,250 0 0	10,302 0 0	2,905,398 10 4
	1,355,164 17 2	..	..	..	..	1,355,164 17 2
	3,915,187 2 5	188,596 5 1	141,228 0 0	5,250 0 0	10,302 0 0*	4,260,563 7 6

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

Receipts, 1959-60.

	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	1,012 6 11	28,454 16 11	29,467 3 10	..	29,467 3 10	(Dr.) 10,955 8 9
Coliban Works	175,718 18 8	435 16 8	176,154 15 4	..	176,154 15 4	(Dr.) 30,634 9 2
Irrigation Districts	1,391,880 0 5	2,816 17 11	1,394,696 18 4	..	1,394,696 18 4	(Cr.) 3,765 9 9
Waterworks Districts	447,922 16 6	1,711 12 0	449,634 8 6	..	449,634 8 6	(Dr.) 211,702 1 5
Urban Districts	540,470 8 11	177 3 0	540,647 11 11	..	540,647 11 11	(Dr.) 9,263 14 5
Flood Protection Districts ..	42,880 13 9	..	42,880 13 9	..	42,880 13 9	(Cr.) 472 13 9
Carrum Drainage District ..	15,819 12 9	..	15,819 12 9	..	15,819 12 9	(Cr.) 2,220 4 4
Miscellaneous	2,615,704 17 11	33,596 6 6	2,649,301 4 5	..	2,649,301 4 5	(Dr.) 256,097 5 11
	158,489 0 11*	1,878 19 8	160,368 0 7	..	160,368 0 7	(Cr.) 160,368 0 7
Recoups of amounts paid from Revenue not credited to Districts .. ..	..	884,596 11 2	884,596 11 2	..	884,596 11 2	(Dr.) 470,568 6 0
	2,774,193 18 10	920,071 17 4	3,694,265 16 2	..	3,694,265 16 2*	(Dr.) 566,297 11 4

* In addition an amount of £19,781 7s. 4d. was collected and paid to Rivers and Streams Fund as net revenue pursuant to Section 40 (1) (b) *River Improvement Act 1958* No. 6358.

NOTE.—This statement excludes operations of Eildon Sewerage District: Receipts £6,866 18s. 4d., Disbursements (incl. Depreciation) £7,193 3s. 3d.

SUMMARY OF OPERATIONS FOR YEAR 1959-60.

Receipts.				Expenditure.				Result.							
NATIONAL AND OTHER WORKS AND SERVICES.															
Construction, Administration, and Works for Other Authorities, and Water Users.															
				£	s.	d.					£	s.	d.		
On-cost received	452,745	7	11	Administration .. ..	..	..	566,859	3	7			
Recoups of Expenditure	431,151	3	3	Expenditure Recoupable .. ..	..	..	425,649	11	11	Dr.	108,612 4 4	
Deficiency .. ..	..	..	..	108,612	4	4								
				992,508	15	6					992,508	15	6		
River Murray, Sewerage, Grazing Rentals, &c. and Miscellaneous National Services.															
Recoup of Expenditure	700	0	0	Commissioners' Salaries .. ..	..	..	13,011	12	4			
Grants to Sewerage Authorities	120,615	9	2	River Murray, Sewerage, and Trusts .. ..	..	..	218,252	16	1			
Grazing Rentals, &c.	160,368	0	7	Miscellaneous National Services .. ..	..	..	144,403	5	7			
Deficiency	174,212	14	7	Pensions and Gratuities .. ..	..	..	80,228	10	4	Dr.	174,212 14 7	
				455,896	4	4					455,896	4	4		
Net Cost to the State for Services of a National Character												Dr. 282,824 18 11			
COMMISSION DISTRICTS.															
Rates and Charges	2,649,301	4	5	Vote Funds .. ..	..	..	2,560,022	5	3			
Less Depreciation Transfer									
				2,649,301	4	5	Interest charged on Capital borne by Districts .. ..	..	..	188,596	5	1	Dr.	99,317 5 11
Deficiency	99,317	5	11									
				2,748,618	10	4					2,748,618	10	4		
CAPITAL CHARGES.															
Interest.															
Interest Paid by Trusts	311,342	11	5	Interest, Exchange, and Loan Conversion Expenses .. ..	..	..	4,778,092	7	6			
„ for Plant Hire, &c.	63,269	0	2									
„ charged to Districts	188,596	5	1									
„ Deficiency	4,214,884	10	10					Dr. 4,214,884 10 10				
				4,778,092	7	6					4,778,092	7	6		
National Debt Sinking Fund.															
Recoup of Contributions—															
Paid by Trusts	54,348	3	6	Contribution to National Debt Sinking Fund .. ..	..	..	285,277	18	10			
Paid from Plant Hire	4,458	14	1									
Deficiency	226,471	1	3					Dr. 226,471 1 3				
				285,277	18	10					285,277	18	10		
Total Expenditure Borne by the State												4,823,497 16 11			

NOTE.—These statements exclude operations of Eildon Sewerage District: Receipts £6,866 18s. 4d., Expenditure £7,193 3s. 3d., Deficiency £326 4s. 11d.

RECEIPTS AND DISBURSEMENTS.

STATEMENT of Moneys Received and Disbursed during the Year Ended 30th June, 1960.

Works.								Receipts.		Disbursements.	
								£	s. d.	£	s. d.
Commission's Districts—											
Plant Workshops	..	..	..	..	..	..	..	29,467	3 10	37,183	5 1
Coliban Works	..	..	..	..	..	..	..	176,154	15 4	174,096	13 5
Irrigation Districts	..	..	..	..	..	..	..	1,394,696	18 4	1,390,931	8 7
Waterworks Districts	..	..	..	..	..	..	..	449,634	8 6	606,658	17 0
Urban Districts	..	..	..	..	..	..	..	540,647	11 11	298,904	4 2
Flood Protection Districts	..	..	..	..	..	..	..	42,880	13 9	39,297	0 0
Carrum Drainage District	..	..	..	..	..	..	..	15,819	12 9	12,950	17 0
								2,649,301	4 5	2,560,022	5 3
Other Works and Services—											
Miscellaneous, Grazing Rentals, &c.	..	..	..	..	..	..	..	160,368	0 7	..	
River Murray Commission	..	..	..	..	..	..	..	..		75,600	0 0
Assistance to Sewerage Authorities	..	..	..	..	..	..	..	..		120,615	9 2
Assistance to Waterworks Trusts	..	..	..	..	..	..	..	..		22,637	6 11
Miscellaneous National Services	..	..	..	..	..	..	..	..		144,403	5 7
Expenditure Recoupable	..	..	..	..	..	..	..	431,151	3 3	425,649	11 11
Administration in respect of Expenditure from other funds	..	..	..	..	..	..	..	452,745	7 11	566,859	3 7
Total—Other Works and Services	..	..	..	..	..	..	..	1,044,264	11 9	1,355,164	17 2
Total Vote	..	..	..	..	..	..	..	3,693,565	16 2	3,915,187	2 5
Commissioners Salaries (Special Appropriations)	..	..	..	..	..	..	..	700	0 0	13,011	12 4
Grand Totals	..	..	..	..	..	..	..	3,694,265	16 2	3,928,198	14 9
Total Disbursements from Vote, and special Appropriation								..		3,928,198	14 9
Net Receipts paid to Consolidated Revenue								3,694,265	16 2	..	
Grants from Revenue—											
To Assist Sewerage Authorities								120,615	9 2	..	
										3,814,881	5 4
Deficiency from Commission's Operations								..		113,317	9 5
Amount not included in above Statement—											
Debits by Treasury for Pensions and Gratuities								80,228	10 4	..	
Interest Paid :—By Waterworks Trusts and Local Governing Bodies, £311,342 11s. 5d. ;											
Plant and Machinery Account, &c., £53,504 14s. 3d. ; on Land Sold, £9,316 18s. 4d. ;											
and on Plant sold to and Works carried out for other Authorities, £447 7s. 7d.								Cr. 374,611	11 7	Cr. 294,383	1 3
Interest, Exchange, and Loan Conversion Expenses								..		Cr. 181,065	11 10
										4,778,092,	7 6
										4,597,026	15 8
Debit by Treasury for National Debt Sinking Fund Contributions								285,277	18 10	..	
Less Recoup of Contributions paid :—By Water works Trusts, £54,111 18s. 3d. ; River								58,806	17 7	..	
Improvement Trusts, £236 5s. 3d. ; and Plant and Machinery Account, £4,458 14s. 1d.										226,471	1 3
Total amount borne by the State								..		4,823,497	16 11

This statement excludes operations of Eildon Sewerage District: Receipts, £6,866 18s. 4d.; Disbursements, £6,195 3s. 3d.

ANALYSIS OF EXPENDITURE BORNE BY THE STATE, 1959-60.

	£	s.	d.	£	s.	d.
Services of a National Character—						
Contributions by the State of Victoria to the River Murray Commission in accordance with the provisions of the River Murray Water Acts .. .. .	..	..	..	75,000	0	0
Assistance to Sewerage Authorities—						
Where works were suspended and are still under construction	954	0	0			
In cases where the interest paid on Capital Liability is in excess of the rate 3 per cent. . .	119,661	9	2			
				120,615	9	2
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	18,479	9	11			
To limit maximum water rate to 3s. 6d. in the £ N.A.V.	3,572	0	0			
				22,637	6	11
Miscellaneous Services—						
Administration Waterworks Trusts and Sewerage Authorities, &c.	17,701	3	10			
Administration Farm Water Supplies	2,347	16	2			
Irrigation Branch	26,207	15	2			
Travelling, Minister and Commissioners	2,160	1	1			
Minister's staff, salaries, and Pay-Roll Tax	3,303	11	1			
Free Water for Research, Free Places Melbourne University, Library, Publicity, &c. ..	30,882	8	6			
River and Reclamation Division, River Gaugings, Diversions, Land Leasing, Surveys and Reports, Underground Water and Mining Investigations, Hydraulic Research	61,800	9	9			
				144,403	5	7
Administration in respect of expenditure from other Funds and Works carried out for other Authorities .. .. .	..	..	..	566,859	3	7
Works carried out for Other Authorities and Water Users, and Salaries charged to construction Projects, Recoupable .. .. .	..	..	..	425,649	11	11
TOTAL (from Vote Funds) .. .. .	..	..	..	1,355,164	17	2
Commissioner's Salaries (Special appropriation), including Pay-Roll Tax .. .. .	..	..	..	13,011	12	4
TOTAL Expenditure on Services of a National Character .. .. .	..	..	..	1,368,176	9	6
Amount debited by Treasury for Pensions and Gratuities .. .. .	..	..	..	80,228	10	4
				1,448,404	19	10
	£	s.	d.			
Less Revenue received from Grazing Licences, Rents, &c.	160,368	0	7			
„ Oncost of expenditure from other Funds	452,745	7	11			
„ Recoups	431,151	3	3			
				1,044,264	11	9
„ Special Recoup, Commissioner's Salaries	700	0	0			
„ Grants by State, Assistance to Sewerage Authorities	120,615	9	2			
				1,165,580	0	11
Net cost to the State for Services of a National Character .. .. .	..	..	..	282,824	18	11
Interest on Capital Expenditure on Headworks and other Capital Expenditure borne by the State	4,064,198	5	9			
Exchange on Overseas Interest Payments	152,490	0	8			
Loan Conversion Expenses	13,151	13	0			
				4,229,839	19	5
Less Decrease in Arrears of Interest owing by Waterworks Trusts and other Corporations	5,191	2	8			
„ Interest on Lands Sold	9,316	18	4			
„ „ „ Plant Sold to and works carried out for other Authorities	447	7	7			
				14,955	8	7
				4,214,884	10	10
Commission Districts—						
Districts, the Capital Liability of which have been adjusted—						
Excess Revenue over Expenditure after allowing for Depreciation, £108,982 and Redemption, £10,302 .. .. .	..	..	..	..Cr.	163,274	10 0
Current Interest—						
Paid	150,778	11	7			
Forward Unpaid	13,997	10	5			
				164,776	2	0
				1,501	12	0
Districts supplied by direction of Governor in Council, but which show excess Revenue over Expenditure after allowing for Depreciation, £3,322 18s. 7d., and Redemption, nil	184	0	10			
Less Current Interest Paid	39	16	9	Cr.	144	4 1
				1,357	7	11
Districts supplied by direction of Governor in Council and which shows excess Expenditure over Revenue inclusive of Interest, £23,780 6s. 4d., and Depreciation, £34,173 1s. 5d.				254,739	18	0
				256,097	5	11
Add amounts transferred to Water Supply Works Depreciation Fund in Treasury on Account of moneys paid to Revenue and interest credited to Depreciation Account .. .. .	..	..	..
				256,097	5	11
Deduct amounts paid to Revenue in respect of Depreciation on Works and Buildings, £146,478 and Redemption, £10,302 .. .. .	..	..	..	156,780	0	0
				99,317	5	11
				4,597,026	15	8
National Debt Sinking Fund Operations—						
Contributions to Fund .. .. .	..	..	..	285,277	18	10
Less Recoups paid by River Improvement Trusts	236	5	3			
„ „ „ Waterworks Trusts	54,111	18	3			
„ „ „ „ Plant Hire	4,458	14	1			
				58,806	17	7
				226,471	1	3
Net Expenditure borne by the State .. .. .	..	..	..	4,823,497	16	11

NOTE.—This statement excludes operations of Eildon Sewerage District.

PLANT WORKSHOPS.
CASH ACCOUNT.

District.	Receipts.		Expenditure.							Excess Expenditure over Receipts, 1959-60.	Excess Receipts over Expenditure, 1959-60.	Accumulated.							
	Receipts Year Ended 30th June, 1960.	Total to 30th June, 1960.	Year Ended 30th June, 1960.																
			Operating Costs.		Interest.	Depreciation.		Redemption.	Total.			Total to 30th June, 1960.							
			£	s. d.		£	s. d.						£	s. d.	£	s. d.	£	s. d.	£
1.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	
1. Bendigo	23,348	8 0	332,852	16 9	30,440	8 2	513	10 7	2,050	0 0	..	33,003	18 9	360,384	8 1	9,655	10 9	27,531	11 4
2. Residences	1,012	6 11	10,946	7 11	914	0 0	..	..	350	0 0	..	1,264	0 0	12,013	14 2	251	13 1	1,067	6 3
Total Central Plant Workshops	24,360	14 11	343,799	4 8	31,354	8 2	513	10 7	2,400	0 0	..	34,267	18 9	372,398	2 3	9,907	3 10	28,598	17 7
3. Kerang Sub-Depot	2,627	4 7	15,959	5 8	3,035	9 11	53	16 11	222	0 0	..	3,311	6 10	16,216	13 8	684	2 3	257	8 0
4. Tatura Sub-Depot	2,479	4 4	6,238	10 1	2,793	7 0	..	..	50	0 0	..	2,843	7 0	6,745	13 0	364	2 8	507	2 11
Totals	29,467	3 10	365,997	0 5	37,183	5 1	567	7 6	2,672	0 0	..	40,422	12 7	395,360	8 11	10,955	8 9	29,363	8 6

COLIBAN SYSTEM.
CASH ACCOUNT.

STATEMENT of Moneys received and disbursed from 1st July, 1905, to 30th June, 1960; also of Interest charged at the rate of 4·3125 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 1959-60.

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 Order in Council dated 17th May, 1960, under the provisions of Section 47, *Water Act* 1958, No. 6413.)

District.	Receipts.			Expenditure.							Excess			Excess			Accumulated.														
	Receipts Year Ended 30th June, 1960.			Year Ended 30th June, 1960.							Excess over Receipts, 1959-60.			Excess over Expenditure, 1959-60.			Surplus Credited to District Account at 30th June, 1960.			Deficiency Chargeable to District Account at 30th June, 1960.			Deficiency Chargeable to State Account, at 30th June, 1960.								
	Total, 1905, to 30th June, 1960.			Operating Costs.		Interest.		Depreciation.		Redemption.		Total.			Total, 1905, to 30th June, 1960.																
	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	
1.		2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.																			
1. Axe Creek	772	14	11	1,733	18	9	..	1,737	18	9	26,172	12	8	965	3	10	..	..	..	..	..	..	..	866	3	9	4,276	13	4		
2. Coliban	168,532	15	9	165,821	4	8	..	198,229	18	6	4,379,364	16	0	29,697	2	9	..	..	..	..	..	..	..	13,729	8	9	1,300,684	19	2		
3. Eiphanstone	392	3	2	329	9	2	..	453	9	2	1,526	7	7	61	6	0	..	..	..	..	..	..	..	..	..	48	14	8	192	18	6
4. Harcourt	5,973	4	10	5,793	15	3	..	5,840	15	3	108,701	10	1	..	..	..	..	..	..	..	..	..	..	..	..	4,953	14	2	1,162	7	5
5. Marong	483	16	8	418	5	7	0 17 3	527	2	10	8,700	9	6	43	6	2	..	..	..	..	..	..	..	..	..	..	..	..	1,454	10	9
Totals	176,154	15	4	174,096	13	5	12,631 11 1	206,789	4	6	4,524,465	15	10	30,766	18	9	132	9	7	48	14	8	19,605	2	11	1,307,771	9	2			

PLANT WORKSHOPS.

PROFIT AND LOSS ACCOUNT FOR FINANCIAL YEAR 1959-60.

			Expenditure.				Profit and Loss.															
			(A) Value of Work Completed or in Progress.		(B) House Rents.		Operating Costs, Interest and Depreciation.		Redemption Charged.		Total.	Expenditure in Excess of Earnings.		Earnings in Excess of Expenditure.	Adjustments to Revenue for Years Prior to 1959-60.	Loss as at 30th June, 1960.	Gain as at 30th June, 1960.					
1.			2.		3.		4.		5.		6.		7.		8.		9.		10.			
			£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.		
1.	Bendigo	..	..	..	(A) 35,560	2	0	33,003	18	9	44	1	10	33,048	0	7	2,512	1	5	8,745	15	7
2.	Residences	..	..	..	(B) 1,012	6	11	1,264	0	0	..	..	..	1,264	0	0	..	..	..	1,067	6	3
Total Central Plant Workshops			..	..	36,572	8	11	34,267	18	9	44	1	10	34,312	0	7	2,512	1	5	9,813	1	10
3.	Kerang Sub-Depot	..	..	..	2,627	4	7	3,311	6	10	4	11	1	3,315	17	11	..	..	..	261	19	1
4.	Tatura Sub-Depot	..	..	..	2,479	4	4	2,843	7	0	..	..	..	2,843	7	0	..	..	..	507	2	11
Totals			..	..	41,678	17	10	40,422	12	7	48	12	11	40,471	5	6	2,512	1	5	10,582	3	10

COLIBAN SYSTEM.

PROFIT AND LOSS ACCOUNT FOR FINANCIAL YEAR 1959-60.

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

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 the water supplies are being continued by direction of the Governor in Council. The annual amount of loss resulting from the maintenance and management of these districts has been transferred to the "Revenue Expenditure chargeable to the State Account". (By authority of Order in Council dated 17th May, 1960, under the provisions of Section 47, *Water Act* 1958, No. 6413.)

District.	Expenditure.					Profit and Loss.				
	Revenue Assessment.	Operating Costs, Interest, and Depreciation.	Redemption Charged.	Amount Written Off.	Total.	Excess Expenditure over Assessment.	Excess Assessment over Expenditure.	Revenue Due for Previous Year Written Off.	Adjustments to Revenue for Years Prior to 1959-60.	Interest and Other Losses before 1st July, 1938, Borne by State (Act No. 6413, Sec. 54).
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
1. Axe Creek	797 4 6	1,737 18 9	733 0 0	4 5 9	1,737 18 9	940 14 3	..	548 0 7	20 15 10	5,080 17 4
2. Coliban	173,940 1 3	198,003 18 6	..	..	198,741 4 3	21,801 3 0	..	..	..	477,588 10 4
3. Elphinstone	408 10 9	453 9 2	..	..	453 9 2	44 18 5	..	1 14 0	..	90 14 7
4. Harcourt	5,901 15 2	6,066 15 3	..	..	6,066 15 3	165 0 1	3 1 10	..	..	6,107 16 9
5. Marong	530 6 6	527 2 10	0 1 10	..	527 4 8	..	..	..	..	1,442 8 9
Total	181,577 18 2	206,780 4 6	733 1 10	4 5 9	207,526 12 1	25,951 15 9	3 1 10	549 14 7	246 15 10	490,310 7 9

IRRIGATION DISTRICTS.

CASH ACCOUNTS.

STATEMENT of Moneys Received and Disbursed from 1st May, 1906, to 30th June, 1906.

District.	Receipts.			Expenditure.			O.L.A. Subsidy (Act No. 6413, Sec. 67 (3) (f)), Charged to Expenditure Borne by State Account.	Excess Expenditure over Receipts and Subsidy 1939-60.			Excess Receipts and Subsidy over Expenditure 1939-60.	Surplus Credited to District Account at 30th June, 1960.	Accumulated.		
	Year Ended 30th June, 1960.	Total, 1906, to 30th June, 1960.	£ s. d.	Year Ended 30th June, 1960.	Total, 1906, to 30th June, 1960.	£ s. d.		£ s. d.	£ s. d.	£ s. d.		£ s. d.	£ s. d.	£ s. d.	£ s. d.
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.					
1. Bacchus Marsh ..	15,802 2 2	322,942 17 1	12,869 13 11	342,748 6 7	..	..	..	2,032 8 3	1,364 18 9	..	21,170 8 3	..	..	..	..
2. Campaspe ..	1,443 16 5	49,020 4 3	783 8 7	54,114 17 5	..	..	..	660 7 10	499 9 5	..	4,994 2 7	..	..	..	..
3. Goulburn-Murray ..	909,184 8 4	12,541,819 18 9	893,324 0 7	13,473,540 6 8	..	..	..	15,860 7 9	..	219,154 4 1	712,566 3 10	..	..	..	..
4. Macalister ..	136,032 13 2	1,097,904 7 5	106,415 1 0	1,097,251 7 10	..	..	..	29,617 12 2	3,466 1 0	..	3,713 1 5	..	..	..	..
5. Merbein ..	90,894 12 0	1,721,552 4 11	90,513 16 5	1,845,391 11 7	..	..	..	380 15 7	..	1,212 17 8	122,626 9 0	..	..	..	..
6. Nyah ..	24,398 3 0	500,453 0 4	33,217 6 4	603,285 6 4	..	..	..	..	..	17,808 10 2	85,023 15 10	..	..	..	..
7. Red Cliffs ..	124,498 7 10	2,302,515 17 4	153,137 5 6	2,522,572 14 3	..	..	..	266 8 3	..	497 5 5	219,559 11 6	..	..	..	..
8. Robinvale ..	52,872 15 11	358,484 3 5	58,043 5 6	488,347 10 8	..	..	..	3,973 1 4	..	7,539 12 6	124,323 14 9	..	..	..	..
9. Tresco ..	11,857 0 9	168,451 13 3	20,003 5 9	332,985 11 4	..	..	..	1,456 5 0	..	9,224 9 8	155,309 8 5	..	..	..	..
10. Werribee ..	27,712 18 9	462,355 9 11	22,624 5 0	512,929 11 1	..	..	..	..	2,133 5 9	..	52,707 6 11	..	..	..	..
Totals ..	1,394,696 18 4	19,523,199 16 8	1,390,931 8 7	21,273,167 3 9	43,658 1 11	7,116 13 8	54,540 5 4	7,463 14 11	255,436 19 6	1,501,994 2 6					

IRRIGATION DISTRICTS.

PROFIT AND LOSS ACCOUNT FOR FINANCIAL YEAR 1959-60.

STATEMENT of Revenue Assessment (inclusive of Rates, Irrigation Charge, Water Sales, Interest, and Miscellaneous), Order in Council Subsidy, Expenditure and Amounts Written Off for the year 1959-60 and accumulated losses and gains since 1906.

District.	Revenue.			Expenditure.			Profit and Loss.						District Appropriation Account.								
	Revenue Assessment.	O.I.C. Subsidy (Act No. 6413, Sec. 67 (3) (f)), Chargeable to Expenditure Borne by State Account.		Total.	Operating Cost.	Amounts Written Off.	Total.	(Dr.) Excess over Revenue. (Cr.) Excess Revenue over Expenditure, 1959-60.	Revenue Due for Previous Years Written Off.	Adjustments to Revenue for Years prior to 1959-60. (A) Loss. (B) Gain.		Losses Borne by State Account at 30th June, 1960.	Loss as at 30th June, 1960.	Gain as at 30th June, 1960.							
		£	s.							d.	£				s.	d.	£	s.	d.	£	s.	d.
1.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.						
1. Bacchus Marsh	15,408	6	3	15,408	6	3	12,869	13	11	(Cr.) 2,538	12	4	4	14	4	21,170	8	3	2,478	12	3
2. Campaspe	1,351	6	4	1,351	6	4	783	8	7	(Cr.) 567	17	9	..	..	..	4,994	2	7	567	17	9
3. Goulburn-Murray	979,439	4	3	979,439	4	3	893,324	0	7	(Cr.) 84,743	12	10	1,518	11	7	712,566	3	10	83,534	11	11
4. Macalister	134,167	19	7	134,167	19	7	106,415	1	0	(Cr.) 27,388	14	3	436	16	8	3,713	1	5	27,057	10	1
5. Merbein	90,707	0	4	90,707	0	4	90,513	16	5	(Cr.) 190	14	4	..	..	..	122,026	9	0	190	14	4
6. Nyah	25,903	17	6	33,302	1	9	33,217	6	4	..	..	..	259	15	1	85,023	15	10	..	..	..
7. Red Cliffs	124,811	16	5	153,184	5	10	153,137	5	6	..	..	..	14	12	0	219,559	11	6	14	12	0
8. Rolinvale	56,901	5	11	58,098	14	2	58,043	5	6	..	..	..	0	0	3	124,323	14	9	0	0	3
9. Tresco	13,329	12	2	20,019	12	2	20,003	5	9	(Dr.) 7	13	7	65	9	0	155,309	8	5	73	2	7
10. Werribee	28,759	13	7	28,759	13	7	22,624	5	0	(Dr.) 6,136	8	7	..	..	..	52,707	6	11	..	..	..
Totals	1,470,780	2	4	1,514,438	4	3	1,390,931	8	7	1,958	9	2	2,299	18	11	1,501,904	2	6	348	13	11
										{(A) 56 9 9 } {(B) 424 5 9 }											

WATERWORKS DISTRICTS.

CASH ACCOUNT.

STATEMENT of Moneys received and disbursed from 1st May, 1906, to 30th June, 1960; also of Interest charged at the rate of 4·3125 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 the Financial Year 1959-60.

[illegible]

The Districts set out hereunder are those whose works will not produce sufficient revenue to cover expenses of the maintenance and management thereof, and where the water supplies are being continued by direction of the Governor in Council. The annual amount of loss resulting from the maintenance and management of these districts has been transferred to the "Revenue Expenditure chargeable to the State Account." (By authority of Order in Council dated 17th May, 1960, under the provisions of Section 47, *Water Act 1958*, No. 6413.)

WATERWORKS DISTRICTS.

PROFIT AND LOSS ACCOUNT FOR FINANCIAL YEAR 1959-60.

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

District.	Expenditure.						Profit and Loss.						Gain as at 30th June, 1960.			
	Revenue Assessment.		Operating Costs Interest, and Depreciation.	Redemption Charged.	Amounts Written Off.	Total.	Excess Expenditure over Revenue for Year.	Excess Revenue over Expenditure for Year.	Adjustments to Revenue for Years Prior to 1959-60.		Interest and Other Losses before 1st July, 1958, Borne by State. (Act No. 6413, Sec. 54.)	Loss since 30th June, 1958.				
	£	s. d.							Loss.	Gain.				£	s. d.	£
1.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.
1. Bellarine Peninsula	6,879	3 8	5,229	3 1	5,229	3 1	1,650	0 7	5 6 6	17 14 8	9,927	9 8	50,943	9 0	2,754	14 1
2. East Loddon	3,213	15 4	2,330	4 2	2,330	4 2	357	7 2	8 2 0	...	831	10 5	1,130	2 10	479	17 4
3. Kerang-North-West Lakes	2,687	11 4	3,300	14 11	3,300	14 11	6,223	5 0	71 8 5	...	1,077	12 3	8,383	6 1	63,550	10 3
4. Loddon	3,987	10 4	36,624	15 0	36,624	15 0	2,048	14 9	...	...	52	0 1	10,002	17 9	...	...
5. Mornington Peninsula	31,726	7 9	13,533	17 11	13,533	17 11	917	9 6	48 9 9	0 9 9	8,197	6 11	2,960	19 6	...	...
6. Upper Western Wimmera	15,582	12 8	18,709	2 8	18,709	2 8	286	4 10	20 19 1	14 12 7	2,221	10 10	1,520	8 6	...	...
7. Upper Wimmera United	21,672	7 2	4,025	2 5	4,025	2 5	...	...	9 13 3	...	...	...	1,681	3 1	...	...
8. Warrup West	3,115	3 2	1,509	18 2	1,509	18 2	...	...	3 2 9	0 0 1	13,428	5 1	56,304	4 2	...	...
9. Werribee	1,223	13 0	8,567	15 3	8,567	15 3	3,305	12 2	46 4 7	16 12 6	...	...	1,914	5 0	...	...
10. West Loddon	9,462	6 8	61,540	16 8	61,540	16 8	...	...	...	...	...	...	27,630	18 4	...	...
11. Western Wimmera	62,693	17 7	49,520	9 5	49,520	9 5	...	...	...	...	...	...	162,081	11 7	66,305	4 4
12. Wimmera United	46,214	17 3	9,978	6 1	9,978	6 1	...	...	...	...	...	...	...	...	...	...
13. Wychebrook	10,007	16 10	217,887	7 10	217,887	7 10	...	...	...	...	...	...	...	...	...	...
Totals	218,967	3 11	219,222	16 9	219,222	16 9	10,732	11 6	213 6 4	49 9 6	35,735	15 3	3,506,072	14 3	66,305	4 4
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 the water supplies are being continued by direction of the Governor in Council. The annual amount of loss resulting from the maintenance and management of these districts has been transferred to the "Revenue Expenditure chargeable to the State Account." (By authority of Order in Council dated 17th May, 1960, under the provisions of section 47, Water Act 1958, No. 6413.)																
14. Birehip	10,485	7 5	14,666	3 6	14,666	3 6	4,180	16 1	...	...	23,844	1 4	53,856	4 6	...	...
15. Hindmarsh	1,832	4 1	1,933	10 6	1,933	10 6	8,046	7 11	...	...	41,264	17 1	198,339	2 2	...	...
16. Kararooc	36,201	8 3	44,914	16 4	44,914	16 4	26,756	11 0	5 9 1	0 2 3	22,303	5 10	208,738	19 1	...	...
17. Long Lake	17,569	6 5	44,105	7 2	44,105	7 2	46,381	1 7	41 9 9	...	201,206	16 0	1,051,723	13 6	...	...
18. Mullewa	23,354	17 4	69,005	3 1	69,005	3 1	6 2	...	...	...	...	...	5,831	15 0	...	...
19. Normanville	10,926	0 11	11,858	10 3	11,858	10 3	938	11 3	16 0 4	27 0 6	...	...	18,783	18 5	...	...
20. Otway	24,823	3 7	40,244	17 3	40,244	17 3	26,126	10 4	841 18 9	...	62,000	3 7	54,975	0 11	...	...
21. Ouyen	16,146	2 0	44,387	11 0	44,387	11 0	28,241	9 0	130 7 1	28 9 3	30,284	3 2	112,841	2 2	...	...
22. Sea Lake	15,072	6 4	23,525	17 2	23,525	17 2	7,853	10 10	532 16 7	3 0 0	80,494	5 0	307,432	8 5	...	...
23. Tyndyer	18,473	7 1	33,367	14 8	33,367	14 8	18,275	3 11	28 10 0	3 0 0	52,263	5 5	208,842	16 5	...	...
24. Tyndyer North	9,132	0 7	19,119	1 8	19,119	1 8	9,987	1 1	68 11 9	0 1 1	35,004	4 7	385,106	15 8	...	...
25. Tyrell	15,932	16 11	37,517	1 8	37,517	1 8	21,584	4 9	93 16 9	5 19 0	36,118	14 6	260,154	2 5	...	...
26. Tyrell West	8,634	7 7	20,402	0 9	20,402	0 9	12,084	0 8	8 18 6	...	...	...	...	...	...	...
27. Wychebrook	19,426	8 3	25,716	16 2	25,716	16 2	6,290	7 11	1 10 0	...	37,048	16 5	58,779	17 11	...	...
Totals	225,609	10 9	440,864	10 6	442,356	19 6	216,747	2 9	937 9 10	64 11 1	641,952	12 11	3,506,072	14 3	...	...
Grand Totals	444,577	0 8	658,751	18 4	661,579	16 3	227,479	14 3	1,150 16 2	114 0 7	677,688	8 2	3,668,154	5 10	66,305	4 4

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 the water supplies are being continued by direction of the Governor in Council. The annual amount of loss resulting from the maintenance and management of these districts has been transferred to the "Revenue Expenditure chargeable to the State Account." (By authority of Order in Council dated 17th May, 1960, under the provisions of section 47, Water Act 1958, No. 6413.)

URBAN DISTRICTS.—Continued.

District.	Receipts.			Expenditure.						Total, 1906, to 30th June, 1960.			Excess Expenditure over Receipts, 1959-60.			Excess Receipts over Expenditure, 1959-60.			Surplus (credited to District Account at 30th June, 1960)			Accumulated.			Deficiency Chargeable to State Account at 30th June, 1960	
	Year Ended 30th June, 1960.		Total, 1906, to 30th June, 1960.	Year Ended 30th June, 1960.						Total.	Total, 1906, to 30th June, 1960.	Operating Costs.		Interest.	Depreciation.		Redemption.	Total.	Total, 1906, to 30th June, 1960.	Excess Expenditure over Receipts, 1959-60.		Total.	Total, 1906, to 30th June, 1960.	Surplus (credited to District Account at 30th June, 1960)		Deficiency Chargeable to District Account at 30th June, 1960
	£	s. d.		£	s. d.	£	s. d.	£	s. d.			£	s. d.		£	s. d.				£	s. d.					
I.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.													
17. Rainbow	2,413 18 8	56 351 18 6	1,787 13 8	518 1 4	230 0 0	395 3 3	2,535 15 0	53,510 16 10	121 16 4	22 19 2	2,841 1 8	680 13 10	2,102 4 9													
18. Red Chiffs	9,768 1 6	120,778 3 11	6,095 3 1	2,572 16 0	682 0 0	395 3 3	9,745 4 4	115,906 0 7	515 2 7	191 2 9	4,872 3 4	1,666 5 1	1,961 4 11													
19. Redoubt	2,797 2 6	17,555 2 0	2,478 10 4	688 14 9	195 0 0	...	3,312 5 1	15,888 16 11	191 2 9	2 7 9	1,945 1 4	445 1 4	1,285 8 8													
20. Robinvale	2,213 7 8	45,608 12 10	1,801 12 11	428 17 6	174 0 0	40 6 2	2,404 0 5	44,663 11 6	185 5 6	132 19 6	860 19 1	1,285 8 8	1,909 12 11													
21. Sea Lake	2,962 7 4	53,368 1 10	2,455 7 9	629 1 5	351 0 0	126 3 4	2,959 19 7	53,792 11 5	185 5 6	32 5 0	1,163 9 7	2,938 12 1	1,918 3 4													
22. Sonerville	1,594 3 8	19,312 19 2	7,508 1 3	434 1 4	122 0 0	36 7 0	2,508 2 9	18,149 9 7	135 5 6	162 11 11	7,073 2 11	2,938 12 1	1,918 3 4													
23. South Frankston	21,508 2 9	145,466 1 3	10,290 18 2	7,508 1 3	3,583 0 0	326 5 1	21,508 2 9	12,104 13 4	135 5 6	32 5 0	1,163 9 7	2,938 12 1	1,918 3 4													
24. Stanhope	1,426 3 2	14,935 0 7	7,000 15 4	434 1 4	122 0 0	36 7 0	2,508 2 9	18,149 9 7	135 5 6	162 11 11	7,073 2 11	2,938 12 1	1,918 3 4													
25. Tullygaropna	406 4 0	3,298 12 9	184 0 1	122 13 9	57 0 0	326 5 1	373 19 0	104,416 18 6	850 2 3	32 5 0	1,163 9 7	2,938 12 1	1,918 3 4													
26. Terang	10,039 11 0	106,335 1 10	6,530 3 1	2,268 10 11	752 0 0	30 0 0	9,876 19 1	56,781 10 10	357 3 6	3 5 3	5,450 19 8	5,450 19 8	5,450 19 8													
27. Torquay	6,514 13 1	60,477 2 11	4,203 9 3	2,665 6 1	466 0 0	0 0 0	7,364 15 4	24,726 19 10	357 3 6	3 5 3	5,450 19 8	5,450 19 8	5,450 19 8													
28. Utnia	697 13 8	21,466 9 0	983 7 3	0 10 0	71 0 0	0 0 0	1,054 17 2	14,217 16 11	65 5 11	253 12 10	1,749 12 4	1,749 12 4	1,749 12 4													
29. Weirnull	446 9 4	10,819 2 8	360 2 10	0 1 0	83 0 0	0 0 0	13,651 3 5	263,407 11 0	65 5 11	253 12 10	1,749 12 4	1,749 12 4	1,749 12 4													
30. Wonthaggi	13,651 3 5	255,731 9 3	7,802 10 3	3,106 3 0	2,424 0 0	318 15 11	13,651 3 5	33,960 4 9	65 5 11	253 12 10	1,749 12 4	1,749 12 4	1,749 12 4													
31. Woonelang	1,227 4 3	33,646 17 0	895 7 8	275 2 6	48 0 0	...	1,292 10 2	33,960 4 9	253 12 10	589 12 5	1,749 12 4	1,749 12 4	1,749 12 4													
32. Wooramen	463 11 8	8,674 6 7	644 10 2	24 14 4	235 0 0	...	717 4 8	9,454 9 6	253 12 10	589 12 5	1,749 12 4	1,749 12 4	1,749 12 4													
33. Wycheproof	3,359 12 3	60,947 19 4	3,001 19 9	712 4 11	235 0 0	...	3,949 4 8	60,907 14 0	253 12 10	589 12 5	1,749 12 4	1,749 12 4	1,749 12 4													
Totals	522,141 12 5	5,387,235 16 1	277,559 10 4	147,178 4 0	92,029 0 0	7,670 2 11	524,436 17 3	5,278,687 9 9	17,977 3 11	15,681 19 1	190,537 9 5	15,321 7 6	66,667 15 7													
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 the water supplies are being continued by direction of the Governor in Council. The annual amount of loss resulting from the maintenance and management of these districts has been transferred to the "Revenue Expenditure chargeable to the State Account". (By Authority of Order in Council dated 17th May, 1960, under the provisions of Section 47, Water Act 1958, No. 6413.)																										
64. Antwerp	92 2 3	2,430 15 0	148 8 6	10 15 11	14 0 0	...	173 4 5	2,514 11 7	81 2 2	444 0 11	2 14 5	660 13 10	2,102 4 9													
65. Brim	496 2 1	11,091 3 0	876 0 10	14 2 2	50 0 0	...	940 3 0	13,854 1 7	34 6 7	75 7 2	107 1 1	822 6 8	1,961 4 11													
66. Chinkapook	207 12 1	5,218 7 5	243 18 8	43 0 0	43 0 0	...	243 18 8	4,547 2 2	62 19 6	1,748 13 9	160 9 0	1,909 12 11	1,909 12 11													
67. Dungee	167 14 1	3,617 14 5	200 1 3	20 14 7	22 0 0	...	137 2 6	1,640 12 9	362 5 10	386 8 10	20 1 0	404 7 6	5,913 12 10													
68. Doon	64 3 0	1,449 16 8	84 7 11	1,195 10 7	541 0 0	...	7,067 12 7	54,720 15 5	362 5 10	386 8 10	20 1 0	404 7 6	5,913 12 10													
69. Heyfield	3,262 12 2	53,195 4 5	3,066 15 5	402 2 7	156 0 0	...	3,624 18 0	54,720 15 5	362 5 10	386 8 10	20 1 0	404 7 6	5,913 12 10													
70. Hopeforn	1,392 0 2	8,198 14 5	699 7 11	0 0 11	79 0 0	...	1,398 4 5	31,669 0 5	238 17 3	168 6 4	404 7 6	5,913 12 10	5,913 12 10													
71. Jung Jung	1,299 7 2	25,351 0 1	1,398 4 5	4 2 8	106 0 0	...	621 2 9	13,996 1 9	29 9 4	29 9 4	413 6 10	1,233 3 3	1,233 3 3													
72. Lake Boga	432 16 5	12,077 18 5	511 0 1	0 9 11	89 0 0	...	479 19 1	10,699 5 0	20 9 4	20 9 4	16 3 3	123 9 3	123 9 3													
73. Labert	450 9 9	9,384 13 2	390 9 2	0 9 11	89 0 0	...	193 0 10	2,611 3 8	73 10 3	73 10 3	30 16 2	3,743 8 4	3,743 8 4													
74. Lascelles	204 15 4	2,074 7 7	143 0 10	0 9 11	89 0 0	...	478 9 1	7,367 15 11	157 3 0	157 3 0	22 1 7	11,980 6 8	11,980 6 8													
75. Macoma	404 18 10	4,889 4 9	397 9 1	0 1 11	81 0 0	...	363 1 8	6,663 13 6	25 5 4	25 5 4	465 4 10	611 17 3	611 17 3													
76. Mirrabait	205 18 8	2,889 9 0	293 1 8	0 1 11	81 0 0	...	286 18 7	6,663 13 6	157 3 0	157 3 0	22 1 7	11,980 6 8	11,980 6 8													
77. Nandaly	261 13 3	4,762 13 2	259 16 8	76 1 5	27 0 0	...	3,529 3 8	33,952 3 2	1,747 15 5	1,747 15 5	465 4 10	611 17 3	611 17 3													
78. Newstead	1,781 8 3	22,437 1 4	3,212 2 3	12 2 3	241 0 0	...	3,419 3 0	7,659 1 2	421 15 1	87 19 8	409 18 6	385 16 4	385 16 4													
79. Nullawil	253 19 7	7,047 3 11	290 17 0	0 0 11	39 0 0	...	1,016 9 10	10,273 7 2	421 15 1	87 19 8	409 18 6	385 16 4	385 16 4													
80. Nyah	594 14 9	9,211 16 10	914 9 10	0 0 11	64 0 0	...	743 9 6	9,013 1 2	242 5 7	8 3 7	385 16 4	1,129 13 10	1,129 13 10													
81. Patchewollock	501 3 11	8,097 11 0	679 8 7	0 0 11	64 0 0	...	284 13 7	6,882 12 1	421 15 1	87 19 8	409 18 6	385 16 4	385 16 4													
82. Pinphino	276 10 0	816 1 8	231 13 7	0 0 6	53 0 0	...	415 14 1	6,882 12 1	421 15 1	87 19 8	409 18 6	385 16 4	385 16 4													
83. Speed	277 14 5	5,400 8 4	337 13 7	0 0 3	78 0 0	...	415 14 1	6,882 12 1	421 15 1	87 19 8	409 18 6	385 16 4	385 16 4													
84. Tempy	212 15 4	5,243 13 6	244 1 1	0 10 3	78 0 0	...	332 11 4	6,265 11 3	109 16 0	109 16 0	623 5 11	95 7 11	95 7 11													
85. Waitchee	36 3 5	2,184 8 7	6,334 4 3	0 14 6	27 0 0	...	100 15 8	4,583 8 3	64 12 3	64 12 3	623 5 11	95 7 11	95 7 11													
86. Walpeup	395 2 9	6,334 4 3	396 7 9	0 14 6	27 0 0	...	100 15 8	4,583 8 3	64 12 3	64 12 3	623 5 11	95 7 11	95 7 11													
87. Watchem	683 7 3	17,220 7 0	648 16 9	5 5 2	89 0 0	...	743 1 11	20,298 19 10	59 14 8	59 14 8	1,562 17 11	1,515 14 11	1,515 14 11													
88. Wathem	211 15 11	4,167 14 10	270 0 1	0 2 3	72 0 0	...	342 2 4	5,428 13 3	130 6 5	130 6 5	151 18 5	1,109 0 0	1,109 0 0													
89. Yarrup	211 15 11	4,167 14 10	270 0 1	0 2 3	72 0 0	...	342 2 4	5,428 13 3	130 6 5	130 6 5	151 18 5	1,109 0 0	1,109 0 0													
Totals	18,505 19 6	287,004 19 4	21,344 13 10	1,745 15 3	2,384 0 0	...	25,474 9 1	344,626 12 6	6,980 4 1	11 14 6	531 13 1	5,939 10 3	52,213 16 0													
Grand Totals	540,647 11 11	5,674,240 15 5	298,904 4 2	148,923 19 3	94,413 0 0	7,670 2 11	549,911 6 4	5,623,314 2 3	24,957 8 0	15,693 13 7	191,069 2 6	21,260 17 9	118,881 11 7													

FLOOD PROTECTION DISTRICTS.

CASH ACCOUNT.

STATEMENT of Moneys received and disbursed from 1st July, 1920, to 30th June, 1960; also of Depreciation charged for the Financial Year 1959-60.

District.	Receipts.			Expenditure.					Accumulated.			
	Receipts, Year Ended 30th June, 1960.	Total, 1920, to 30th June, 1960.		Year Ended 30th June, 1960.					Excess Receipts over Expenditure, 1959-60.	Surplus Credited to District Account at 30th June, 1960.	Deficiency Chargeable to District Account at 30th June, 1960.	Deficiency Chargeable to State Account at 30th June, 1960.
		£	s. d.	Operating Costs.	Interest.	Depreciation.	Total.	Total, 1920, to 30th June, 1960.				
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.
1. Cardinia ..	£ s. d. 12,145 7 2	£ s. d. 149,614 1 1	£ s. d. 12,639 12 6	£ s. d. ..	£ s. d. 1,085 0 0	£ s. d. 13,724 12 6	£ s. d. 179,184 2 10	£ s. d. 1,570 5 4	£ s. d. ..	£ s. d. ..	£ s. d. 24,538 12 0	£ s. d. 5,031 9 9
2. Kanyapella ..	£ s. d. 78 13 9	£ s. d. 7,894 3 0	£ s. d. 99 2 3	£ s. d. ..	£ s. d. ..	£ s. d. 99 2 3	£ s. d. 7,395 8 0	£ s. d. 20 8 6	£ s. d. ..	£ s. d. 498 15 0	£ s. d. ..	£ s. d. ..
3. Lower Koo-wee-rup ..	£ s. d. 30,152 12 2	£ s. d. 322,152 10 1	£ s. d. 25,577 2 5	£ s. d. ..	£ s. d. 2,026 0 0	£ s. d. 27,603 2 5	£ s. d. 381,737 6 6	£ s. d. ..	£ s. d. 2,549 9 9	£ s. d. ..	£ s. d. 47,611 6 8	£ s. d. 11,973 9 9
Totals ..	£ s. d. 42,376 13 1	£ s. d. 479,660 14 2	£ s. d. 38,315 17 2	£ s. d. ..	£ s. d. 3,111 0 0	£ s. d. 41,426 17 2	£ s. d. 568,316 17 4	£ s. d. 1,599 13 10	£ s. d. 2,549 9 9	£ s. d. 498 15 0	£ s. d. 72,149 18 8	£ s. d. 17,004 19 6

The district set out hereunder is that whose works will not produce sufficient revenue to cover the expense of maintenance and management thereof, and where the water supplies are being continued by direction of the Governor in Council. The annual amount of loss resulting from the maintenance and management of this district has been transferred to the "Revenue Expenditure Chargeable to the State Account". (By authority of Order in Council, dated 17th May, 1960, under the provisions of Section 47, *Water Act* 1958, No. 6413.)

4. Loch Garry ..	£ s. d. 504 0 8	£ s. d. 24,801 3 11	£ s. d. 981 2 10	£ s. d. ..	£ s. d. ..	£ s. d. 981 2 10	£ s. d. 24,717 11 2	£ s. d. 477 2 2	£ s. d. ..	£ s. d. 580 14 11	£ s. d. ..	£ s. d. 477 2 2
Grand Totals ..	£ s. d. 42,880 13 9	£ s. d. 504,461 18 1	£ s. d. 39,297 0 0	£ s. d. ..	£ s. d. 3,111 0 0	£ s. d. 44,408 0 0	£ s. d. 593,034 8 6	£ s. d. 2,076 16 0	£ s. d. 2,549 9 9	£ s. d. 1,059 9 11	£ s. d. 72,149 18 8	£ s. d. 17,482 1 8

DRAINAGE DISTRICT.

CASH ACCOUNT.

STATEMENT of Moneys received and disbursed from 1st July, 1937, to 30th June, 1960, also of Interest and Depreciation charged for Financial Year 1959-60.

District.	Receipts.			Expenditure.					Accumulated.			
	Receipts, 1959-60.	Total, 1937, to 30th June, 1960.		Year Ended 30th June, 1960.					Excess Receipts over Expenditure, 1959-60.	Surplus Credited to District Account at 30th June, 1960.	Deficiency Chargeable to District Account at 30th June, 1960.	Deficiency Chargeable to State Account at 30th June, 1960.
		£	s. d.	Operating Costs.	Interest.	Depreciation.	Total.	Total, 1937, to 30th June, 1960.				
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.
1. Carrum ..	£ s. d. 15,819 12 9	£ s. d. 131,864 1 8	£ s. d. 12,950 17 0	£ s. d. 567 5 11	£ s. d. 34 0 0	£ s. d. 47 5 6	£ s. d. 13,590 8 5	£ s. d. 121,213 8 8	£ s. d. ..	£ s. d. 2,220 4 4	£ s. d. ..	£ s. d. ..

FLOOD PROTECTION DISTRICTS.
PROFIT AND LOSS ACCOUNT FOR FINANCIAL YEAR 1959-60.
STATEMENT of Revenue Assessment (inclusive of Rates, Charge, Interest and Miscellaneous) and Expenditure, Depreciation charged, and Amounts Written Off.

District.	Expenditure.				Profit and Loss.								Gain as at 30th June, 1960.
	Revenue Assessment.	Operating Cost and 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 1959-60.		Interest and Other Losses Before 1st July, 1958, Borne by State. (Act No. 6413, Sec. 54.)	Loss since 30th June, 1958.		
								Loss.	Gain.				
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	
	£ 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. Cardinia	11,799 15 0	14,099 12 6	..	14,099 12 6	2,299 17 6	..	..	..	..	3,303 19 2	19,452 10 9	..
2. Kanyapella	120 1 6	99 2 3	..	99 2 3	..	20 19 3	..	..	..	..	..	554 12 4
3. Lower Koo-wee-rup	29,425 15 2	28,458 2 5	18 6 8	28,476 9 1	..	949 6 1	34 9 3	..	..	7,940 1 8	36,435 18 5	..
Totals	41,345 11 8	42,656 17 2	18 6 8	42,675 3 10	2,299 17 6	970 5 4	34 9 3	..	..	11,253 0 10	55,888 9 2	554 12 4

The district set out hereunder is that whose works will not produce sufficient revenue to cover the expense of maintenance and management thereof, and where the water supplies are being continued by direction of the Governor in Council. The annual amount of loss resulting from the maintenance and management of this district has been transferred to the "Revenue Expenditure Chargeable to the State Account". (By authority of Order in Council, dated 17th May, 1960, under the provisions of Section 47, *Water Act 1958*, No. 6413.)

4. Laeth Garry	522 7 2	981 2 10	..	981 2 10	458 15 8	..	..	..	..	..	..	104 15 6
Grand Totals	41,867 18 10	43,638 0 0	18 6 8	43,656 6 8	2,758 13 2	970 5 4	34 9 3	..	..	11,253 0 10	55,888 9 2	659 7 10

DRAINAGE DISTRICT.
PROFIT AND LOSS ACCOUNT FOR FINANCIAL YEAR 1959-60.
STATEMENT of Revenue Assessment (inclusive of Rate, Interest, and Miscellaneous) and of Expenditure, Interest Depreciation and Redemption Charged and Amounts Written Off.

District.	Expenditure.					Profit and Loss.						
	Revenue Assessment.	Operating Costs, Interest and Depreciation.	Redemption Charged	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 1959-60. (A) Loss. (B) Gain.	Interest and Other Losses Before 1st July, 1938. Borne by State. (Act No. 6413, s. 54.)	Loss since 30th June, 1938.	Gain as at 30th June, 1960.
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.
	£ 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. Carrum.	15,333 18 0	13,552 2 11	47 5 6	..	13,599 8 5	..	1,734 9 7	3 18 5	12,298 15 9

SUMMARY OF CASH ACCOUNTS, 1959-60.

Works.	Receipts.			Order in Council Subsidy Chargeable to Expenditure Borne by State Account.			Expenditure.				Year Ended 30th June, 1960.		Total, 1956, to 30th June, 1960.	(d) Excess Expenditure over Receipts and Subsidy. (s) Excess Receipts over Expenditure, 1959-60.	Accumulated Surplus or Deficiency at 30th June, 1960.																					
	Year Ended 30th June, 1960.	Total, 1956, to 30th June, 1960.	3.	£	s.	d.	£	s.	d.	£	s.	d.			£	s.	d.	(D) Chargeable; or (s) Credited to District Account.	Chargeable to State Account.																	
																				Operating Costs.	Interest.	Depreciation.	Redemption.	Total.												
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.																								
	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.																		
Plant Workshops	29,467	3	10	365,997	0	5	..	37,183	5	1	567	7	6	2,672	0	0	..	40,422	12	7	395,360	8	11	(D)	10,955	8	9	(D)	29,363	8	6	..				
Coliban System	176,154	15	4	3,197,137	18	5	..	174,096	13	5	12,631	11	1	20,061	0	0	..	206,789	4	6	4,524,465	15	10	{(D)	30,766	18	9	{(D)	19,605	2	11	1,307,771	9	2		
Irrigation Districts--																																				
Pumping	304,520	19	6	5,049,456	19	3	43,658	1	11	354,914	19	6	..	..	..	..	..	354,914	19	6	5,792,582	14	2	{(D)	7,116	13	8	{(D)	36,282	15	5	706,842	19	6
Gravitation	1,090,175	18	10	14,473,742	17	5	..	1,036,016	9	1	..	..	..	..	..	..	..	1,036,016	9	1	15,480,584	9	7	(S)	54,159	9	9	(S)	7,463	14	11	795,151	3	0
Waterworks Districts	449,634	8	6	8,007,231	5	2	..	606,658	17	0	25,906	1	4	26,187	0	0	2,584	11	7	661,336	9	11	12,336,834	3	2	{(D)	222,521	8	7	{(D)	874,888	6	10	4,030,799	8	7
Urban Districts..	540,647	11	11	5,674,240	15	5	..	298,904	4	2	148,923	19	3	94,413	0	0	7,670	2	11	549,911	6	4	5,623,314	2	3	{(D)	34,957	8	0	{(D)	21,260	17	9	118,881	11	7
Flood Protection Districts	42,880	13	9	504,461	18	1	..	39,297	0	0	..	..	..	3,111	0	0	..	42,408	0	0	503,034	8	6	{(D)	2,076	16	0	{(D)	72,149	18	8	17,482	1	8
Cannal Drainage District	15,819	12	9	131,864	1	8	..	12,950	17	0	567	5	11	34	0	0	47	5	6	13,599	8	5	121,213	8	8	(S)	2,220	4	4	(S)	10,650	13	0	..		
Totals	2,649,301	4	5	37,404,132	15	10	43,658	1	11	2,560,022	5	3	188,596	5	1	146,478	0	0	10,302	0	0	2,905,398	10	4	{(D)	298,304	13	9	{(D)	772,704	14	2	6,976,928	13	6	

SUMMARY OF PROFIT AND LOSS ACCOUNTS FOR FINANCIAL YEAR 1959-60.

Works.	Revenue.		Expenditure.					Profit and Loss.										
	(A) Assessment, (B) Subsidy Borne by State Account.	2.	Operating Costs, Interest, and Depreciation.	3.	Redemption Charged.	4.	Amounts Written Off.	Total.	Excess Expenditure over Revenue for Year.	7.	Excess Revenue over Expenditure for Year.	8.	Revenue Due for Previous Years Written Off.	Adjustments to Revenue for Years Prior to 1959-60.		Losses Borne by State Account at 30th June, 1960.	District Account at 30th June, 1960.	
														Loss.	Gain.		Loss.	Gain.
1.			£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	10.	11.	12.	Loss.	Gain.
Plant Workshops ..	(A) 41,678 17 10		40,422 12 7		48 12 11			40,471 5 6	1,304 9 1			2,512 1 5					10,582 3 10	
Coilban System ..	(A) 141,577 18 2		206,789 4 6		733 1 10		4 5 9	207,526 12 1	25,951 15 9			3 1 10	549 14 7				490,310 7 9	
Irrigation Districts—																		
Pumping ..	{ (A) 311,653 12 4 (B) 43,658 1 11 }		354,914 19 6				213 14 0	355,128 13 6	7 13 7			190 14 4	339 16 4				348 13 11	190 14 4
Gravitation ..	(A) 1,159,126 10 0		1,036,016 9 1				1,744 15 2	1,037,761 4 3				121,365 5 9	1,960 2 7					119,774 3 2
Waterworks Districts ..	(A) 444,577 0 8		658,751 18 4		2,029 14 5		798 3 6	661,579 16 3	227,479 14 3			10,476 18 8	1,150 16 2				3,668,154 5 10	66,305 4 4
Urban Districts ..	(A) 548,042 12 10		542,241 3 5		12,035 16 9		742 5 0	555,019 5 2	25,878 10 2			18,901 17 10	1,289 3 2				74,219 14 2	248,805 2 8
Flood Protection Districts ..	(A) 41,867 18 10		43,638 0 0*				18 6 8	43,656 6 8	2,758 13 2			970 5 4	34 9 3				55,888 9 2	659 7 10
Carum Drainage Districts ..	(A) 15,333 18 0		13,552 2 11		47 5 6			13,599 8 5				1,734 9 7	3 18 5					12,298 15 9
Totals ..	{ (A) 2,743,858 8 8 (B) 43,658 1 11 }		2,896,326 10 4*		14,894 11 5		3,521 10 1	2,914,742 11 10	283,380 16 0			156,154 14 9	5,328 0 6				4,299,503 14 8	448,033 8 1

* Includes £375 instalment on Capitalized Maintenance of Cardinia Bridges, and £855 instalment on Capitalized Maintenance of Koo-wee-rup Bridges.

IRRIGATION DISTRICTS.
DISTRICT BALANCE-SHEETS AS AT 30TH JUNE, 1960.

District.	Liabilities.						Assets.					
	Capital Borne by State.	Redemption Account.	Irrigation Districts Maintenance Equalization and Renewals Reserve Account.	Sundry Creditors.	Accumulated Deficiency Chargeable to— (A) State Account. (B) District Account.	Profit and Loss Account Gain.	Works at Cost.	Irrigation Districts Maintenance Equalization and Renewals Account.	Sundry Debtors.	Accumulated Surplus Credited to District Account.	Profit and Loss Account Losses at 30th June, 1960.	
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	Borne by District Account.	Borne by State Account.
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.
1. Baechnus Marsh	200,621 19 1	968 9 4	1,111 5 3	39 12 4	(A) 21,170 8 3 (B)	2,478 12 3	201,590 8 5	1,111 5 3	1,153 5 10	1,364 18 9	..	21,170 8 3
2. Campaspe	72,490 8 11	..	3 5 0	82 6 4	(A) 4,994 2 7 (B)	567 17 9	72,490 8 11	3 5 0	150 14 8	499 9 5	..	4,994 2 7
3. Goulburn-Murray	49,153,157 6 11	21,126 18 5	28,205 13 6	1,348 13 2	{ (A) 712,566 3 10 (B) 219,154 4 1 }	83,534 11 11	49,174,284 5 4	28,205 13 6	304,037 9 2	..	..	712,566 3 10
4. Macalister	4,898,133 17 3	2,447 15 0	16,168 5 3	463 14 2	(A) 3,713 1 5 (B)	27,057 10 1	4,900,581 12 3	16,168 5 3	24,055 3 3	3,466 1 0	..	3,713 1 5
5. Merbein	548,170 2 1	..	1,210 11 0	15 3 4	{ (A) 122,626 9 0 (B) 1,212 17 8 }	190 14 4	548,170 2 1	1,210 11 0	1,418 15 4	..	..	122,626 9 0
6. Nyah	391,546 1 9	54 19 10	978 4 5	12 2 6	{ (A) 85,023 15 10 (B) 17,808 10 2 }	..	391,601 1 7	978 4 5	17,559 13 7	..	260 19 1	85,023 15 10
7. Red Cliffs	1,222,756 10 1	..	5,750 7 2	3 14 8	{ (A) 219,559 11 6 (B) 497 5 5 }	..	1,222,756 10 1	5,750 7 2	486 8 1	..	14 12 0	219,559 11 6
8. Robinvale	1,375,103 4 6	..	7,834 2 11	150 0 0	{ (A) 124,323 14 9 (B) 7,539 12 6 }	..	1,375,103 4 6	7,834 2 11	7,089 12 3	..	0 0 3	124,323 14 9
9. Tresco	161,327 0 9	..	876 0 7	2 8 0	{ (A) 155,309 8 5 (B) 9,224 9 8 }	..	161,327 0 9	876 0 7	9,153 15 1	..	73 2 7	155,309 8 5
10. Werribee	419,613 19 10	1,491 5 10	1,300 13 7	18 14 4	(A) 52,707 6 11 (B)	6,135 11 2	421,105 5 8	1,300 13 7	4,020 19 9	2,133 5 9	..	52,707 6 11
Totals	58,352,920 11 2	26,089 8 5	63,438 8 8	2,136 8 10	{ (A) 1,501,994 2 6 (B) 255,436 19 6 }	119,964 17 6	58,379,009 19 7	63,438 8 8	369,725 17 0	7,463 14 11	348 13 11	1,501,994 2 6
											£60,321,980 16s. 7d.	

18. Millewa ..	(A) 734,998 14 1	..	..	50,776 14 5	..	{ (A) 1,239,771 12 2 } { (B) 20,984 6 0 }	..	734,998 14 1	50,776 14 5	7,825 8 8	..	1,051,723 13 6	201,206 16 0
19. Normanville ..	(A) 55,200 5 6	..	222 1 11	4,094 15 10	37 8 3	{ (A) 20,984 6 0 } { (B) 5,011 8 2 }	..	55,200 5 6	4,094 15 10	99 6 5	..	5,831 15 10	..
20. Otway ..	{ (A) 172,063 2 8 } { (B) 276,717 19 8 }	..	7,301 11 11	56,310 12 6	6 3 10	{ (A) 30,633 1 6 }	..	453,996 12 7	56,310 12 6	2,961 16 0	10,979 12 7	18,783 18 5	..
21. Ouyen ..	(A) 575,816 15 3	..	..	5,604 15 6	5 0 7	{ (A) 535,543 2 4 } { (B) 16,333 10 6 }	..	575,816 15 3	5,604 15 6	2,666 8 11	..	547,375 0 11	62,060 3 7
22. Sea Lake ..	(A) 346,927 9 10	..	26 4 2	1,018 5 8	46 8 4	{ (A) 133,415 8 10 } { (B) 368,512 19 5 }	..	346,927 9 10	1,018 5 8	573 11 3	..	112,841 2 2	30,284 3 2
23. Tintynder ..	(A) 561,654 11 1	..	..	2,145 6 11	1 18 0	{ (A) 368,512 19 5 } { (B) 193,142 11 1 }	..	561,654 11 1	2,145 6 11	2,895 5 7	..	307,421 8 5	80,494 5 0
24. Tintynder North ..	(A) 233,602 14 4	..	..	1,429 19 11	3 12 10	{ (A) 252,208 9 1 } { (B) 81,394 17 0 }	..	233,602 14 4	1,429 19 11	3,961 17 1	..	208,842 16 5	52,263 5 5
25. Tyrrell ..	(A) 518,989 8 10	..	..	1,507 8 2	15 12 3	{ (A) 425,675 16 0 } { (B) 93,314 17 7 }	..	518,989 8 10	1,507 8 2	4,323 8 7	..	385,106 15 8	55,064 4 7
26. Tyrrell West ..	(A) 386,709 13 7	..	..	1,925 18 10	17 10 4	{ (A) 287,489 16 4 } { (B) 109,220 19 9 }	..	386,709 13 7	1,925 18 10	1,188 9 6	..	260,154 2 5	36,118 14 6
27. Wycheproof ..	(A) 416,007 10 11	..	1,148 11 7	1,147 11 10	32 10 2	{ (A) 39,212 18 5 } { (B) 6,785 4 8 }	..	417,156 2 6	1,147 11 10	271 18 11	..	58,779 17 11	37,048 16 5
Totals ..	{ (A) 5,337,861 3 5 } { (B) 276,717 19 8 }	..	9,184 10 10	133,225 7 10	212 9 3	{ (A) 3,963,059 17 9 } { (B) 223,806 14 9 }	..	5,621,677 12 3	133,225 7 10	30,250 3 8	10,979 12 7	3,506,072 14 3	641,952 12 11
Grand Totals ..	{ (A) 8,074,982 15 7 } { (B) 797,983 6 1 }	..	35,270 7 2	163,791 11 0	584 13 5	{ (A) 4,030,799 8 7 } { (B) 374,888 6 10 }	66,305 4 4	8,906,150 7 2	163,791 11 0	52,736 5 5	76,084 17 5	3,668,154 5 10	677,688 8 2
£13,544,605 15s.													

DISTRICT BALANCE-SHEETS AS AT 30TH JUNE, 1960.

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 before 1st July, 1938, Borne by State, (Act No. 6413, S. 54.) 13.		
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.		
£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.
1. Allansford ..	{ (A) 3,225 14 10 (B) 2,405 5 5 }	47 17 1	890 7 2	10 0 0	{ (A) 1,093 12 4 (B) 3,348 18 2 }	615 0 2	5,664 5 10	890 7 2	2,082 2 2	..	..	..	..	..
2. Anglesea ..	{ (A) 30,930 10 3 (B) 80,143 4 1 }	433 10 5	2,268 17 4	2 0 0	{ (A) 3,110 10 4 (B) .. }	3,796 2 6	112,348 9 3	2,268 17 4	585 31 6	4,863 1 1	..	1,638 15 9	..	..
3. Barwon Heads and Ocean Grove ..	{ (A) 7,851 13 9 (B) 143,608 0 9 }	1,443 9 0	1,226 7 10	8 5 5	..	4,906 4 10	152,903 3 6	1,226 7 10	2,625 12 1	2,288 18 2	..	..	..	..
4. Berrillbrook ..	{ (A) 7,304 2 2 (B) 1,002 12 8 }	26 18 0	309 1 0	..	{ (A) 216 18 8 (B) 723 7 3 }	32 16 0	8,332 5 6	309 1 0	107 10 11	..	..	216 18 8	..	..
5. Berwick ..	{ (A) 11,647 5 0 (B) 60,132 6 7 }	723 12 11	4,791 18 7	6 16 3	{ (A) 1,356 7 3 (B) 1,614 14 7 }	..	72,503 4 6	4,791 18 7	640 7 3	..	..	..	..	..
6. Boulah ..	{ (A) 181 7 2 (B) 7,716 13 5 }	77 19 1	1,426 9 3	5 15 0	{ (A) 870 16 11 (B) 4,380 19 8 }	1,016 18 7	7,975 19 8	1,426 9 3	683 5 10	1,113 6 6	..	..	..	..
7. Birchip ..	{ (A) 910 11 0 (B) 17,367 12 0 }	76 12 9	414 4 5	4 10 10	(A)	..	18,311 17 10	414 4 5	462 13 1	2,227 16 0	..	864 12 11	873 6 5	..
8. Birregurra ..	{ (A) 5,487 11 5 (B) 29,952 0 0 }	130 0 0	1,431 5 11	0 1 6	..	658 8 7	35,487 11 5	1,431 5 11	230 4 5	510 5 8	..	..	..	..
9. Bittern-Crib Point ..	{ (A) 40,254 16 10 (B) 27,811 18 9 }	220 2 9	2,816 11 11	0 10 0	{ (A) 1,833 11 6 (B) 177 9 0 }	..	68,248 17 10	2,816 11 11	1,059 14 9	..	..	989 16 3	..	..
10. Bunyip ..	{ (A) 5,032 8 3 (B) 17,968 6 5 }	254 8 9	4,052 5 2	0 17 4	{ (A) 474 1 9 (B) .. }	2,573 17 1	23,209 19 11	4,052 5 2	403 15 9	2,216 2 2	..	..	474 1 9	..
11. Camperdown ..	{ (A) 6,060 18 8 (B) 105,964 8 2 }	3,664 3 9	17,823 6 5	52 9 8	..	2,099 2 5	115,689 10 7	17,823 6 5	1,295 9 0	836 3 1	..	..	..	..
12. Carrum Downs ..	{ (A) 15,670 3 4 (B) 635 19 0 }	..	..	..	..	..	15,670 3 4	..	..	..	..	..	..	..
13. Carwarp ..	{ (A) 820,990 0 6 (B) 1,340,617 14 11 }	..	254 12 0	2 10 6	{ (A) 381 9 3 (B) 257 13 11 }	312 5 3	635 19 0	254 12 0	953 18 11	..	..	..	..	..
14. Chelsea-Frankston ..	{ (A) 2,089 1 3 (B) 800 0 0 }	17,943 5 6	43,344 14 3	130 13 0	{ (A) 9,188 12 3 (B) 632 5 1 }	20,509 15 3	2,177,719 5 0	43,344 14 3	19,539 18 3	2,932 5 11	..	9,188 12 3	..	..
15. Chillingollah ..	{ (A) 3,124 3 0 (B) 31,688 6 1 }	9 14 10	20 11 7	..	..	115 11 3	2,897 15 8	20 11 7	1,402 0 5	..	..	..	218 18 1	..
16. Cobden ..	{ (A) 9 9 8 4 (B) 18,454 5 1 }	959 10 1	4,578 13 7	15 18 6	..	1,580 7 1	35,771 19 2	4,578 13 7	703 16 8	892 8 11	..	..	..	..
17. Colurna ..	{ (A) 231 15 6 (B) 3,444 2 2 }	414 2 4	2,586 16 11	3 15 2	..	2,358 8 3	18,831 12 5	2,586 16 11	958 18 3	1,449 8 6	..	..	..	..
18. Corop ..	{ (A) 33,338 9 4 (B) 111 8 0 }	..	183 16 0	..	{ (A) 106 0 11 (B) 538 9 1 }	79 14 8	231 15 6	183 16 0	107 14 1	15 13 5	..	62 8 1	..	..
19. Cranbourne ..	{ (A) 4,620 11 2 (B) 8,333 11 1 }	244 2 3	1,022 6 11	0 14 1	(A)	1,815 10 5	36,952 19 10	1,022 6 11	734 15 11	1,155 2 6	..	538 9 1	..	..
20. Culgoa ..	{ (A) 605,588 9 7 (B) 1,060 10 11 }	158 0 4	324 14 6	1 2 6	..	448 15 9	4,878 3 3	324 14 6	90 6 9	371 7 9	..	..	..	..
21. Dandenong-Springvale ..	{ (A) 20,836 14 1 (B) 772,885 17 2 }	18,900 1 4	56,427 6 5	113 1 3	{ (A) 3,601 18 7 (B) 812 0 6 }	70,194 7 6	632,822 2 0	56,427 6 5	12,477 18 4	57,829 10 5	..	3,601 18 7	..	..
22. Dimboola ..	{ (A) 1,295,932 0 0 (B) 659 7 1 }	835 10 11	3,431 12 2	0 1 6	(B)	1,683 15 1	23,120 18 10	3,431 12 2	2,707 14 2	..	..	..	..	..
23. Dromana-Portsea ..	{ (A) 32,286 8 2 (B) 27,000 0 0 }	8,967 8 10	64,020 17 11	50 12 3	..	47,344 3 2	2,074,314 17 8	64,020 17 11	12,773 18 6	38,091 5 3	..	..	..	..
24. Drysdale ..	{ (A) 52,488 3 0 (B) 2,239 1 11 }	144 16 1	2,954 9 7	0 11 6	{ (A) 440 6 6 (B) 602 8 1 }	2,110 15 9	33,090 11 4	2,954 9 7	453 16 4	1,771 1 4	..	326 16 1	..	..
25. Eildon ..	{ (A) 13,731 13 1 (B) 51 4 8 }	511 17 0	4,875 1 1	..	..	1,467 17 5	80,000 0 0	4,875 1 1	439 0 1	1,028 17 4	..	..	..	..
26. Garfield ..	{ (A) 161 9 10 (B) 2,480 10 10 }	161 9 10	2,480 10 10	6 13 2	(A)	1,898 3 9	16,098 2 1	2,480 10 10	333 1 2	1,897 1 0	..	381 5 7	..	..
27. Garvoc ..	{ (A) 51 4 8 (B) .. }	..	..	..	..	..	51 4 8	..	..	..	..	..	..	..

URBAN DISTRICTS.

28. Hastings	{(A)} (B)	17,931 14 6	210 11 0	2,423 18 2	5 0 0	{(A)} (B)	972 14 8	1,207 10 7	66,642 0 3	2,423 18 2	379 19 7	...	931 7 10	448 13 9
29. Jeparit ..	{(A)} (B)	48,400 11 9	533 2 10	780 1 5	...	...	782 6 6	...	15,072 19 5	789 1 5	674 5 3	570 16 8	...	...
30. Koodrook	{(A)} (B)	14,542 4 1	...	1,492 0 2	8 5 6	(A)	4,491 2 11	...	7,830 15 3	1,492 0 2	733 2 8	47 8 7	3,300 19 11	408 17 3
31. Lettchville	{(A)} (B)	8,49 17 3	45 13 0	543 8 0	0 0 6	(A)	389 9 9	563 17 4	7,146 8 2	543 8 0	170 10 6	797 12 9	...	...
32. Leopold	{(A)} (B)	6,263 13 2	...	...	...	...	...	...	2,002 4 2	...	...	...	...	...
33. Lockington	{(A)} (B)	2,304 13 11	80 9 4	204 3 3	1 0 4	...	...	1,300 2 8	7,417 3 2	204 3 3	141 14 4	1,170 4 4	...	...
34. Longwarry	{(A)} (B)	7,470 14 6	810 15 7	3,367 13 5	0 0 6	...	...	2,762 7 6	43,051 16 1	3,367 13 5	522 2 6	2,325 18 9	...	...
35. Manangatang	{(A)} (B)	8,414 0 5	150 7 3	268 5 0	0 1 6	{(A)} (B)	2,271 12 3	...	10,143 9 5	268 5 0	314 12 9	...	3,509 10 0	...
36. Marnoo ..	{(A)} (B)	1,632 6 3	130 14 3	1,525 10 11	...	...	1,486 4 6	206 0 1	4,430 4 5	1,525 10 11	144 10 10	80 4 9	...	...
37. Merbein	{(A)} (B)	2,301 3 11	667 4 9	4,048 2 11	6 1 0	(A)	510 10 1	3,854 7 6	32,112 3 5	4,048 2 11	1,503 5 4	2,357 3 2	...	510 10 1
38. Merinburn	{(A)} (B)	4,563 14 0	0 0 10	335 15 8	...	{(A)} (B)	2,361 11 11	...	4,568 1 5	335 15 8	655 18 10	...	1,844 10 0	...
39. Minyip ..	{(A)} (B)	1,464 15 7	395 3 3	947 8 9	0 10 0	{(A)} (B)	1,330 6 1	...	13,253 19 8	947 8 9	397 11 9	...	727 7 0	...
40. Mornington	{(A)} (B)	11,439 1 8	6,257 18 9	10,322 7 8	29 0 3	...	1,073 7 11	14,288 2 7	765,196 2 2	10,322 7 8	3,957 0 10	11,304 13 8	...	...
41. Nar-Nar-Goon-Tynong	{(A)} (B)	481,055 16 6	...	...	...	...	...	...	57,988 6 11	...	...	...	...	...
42. Narre Warren	{(A)} (B)	183 12 11	...	...	...	...	...	...	183 12 11	...	...	...	...	...
43. Nattimuk	{(A)} (B)	5,395 3 7	252 4 1	1,271 13 10	1 0 0	{(A)} (B)	121 1 10	...	5,594 16 11	1,271 13 10	696 10 6	...	14 12 11	...
44. Nyah West	{(A)} (B)	584 17 1	105 13 11	1,976 17 0	...	{(A)} (B)	536 10 10	94 18 9	7,922 15 3	1,976 17 0	696 9 8	...	...	...
45. Officer ..	{(A)} (B)	23,556 9 0	...	...	...	...	...	...	23,556 9 0	...	...	...	...	...
46. Ouyen ..	{(A)} (B)	16,279 6 4	149 4 11	1,820 7 1	0 0 6	{(A)} (B)	1,478 15 8	...	31,427 18 3	1,820 7 1	2,303 0 1	...	885 4 4	...
47. Pakenham	{(A)} (B)	15,054 3 2	1,056 12 0	4,011 12 0	2 1 0	...	1,634 12 1	7,511 6 6	58,740 12 4	4,011 12 0	552 5 0	7,163 6 8	...	...
48. Piangil ..	{(A)} (B)	8,530 3 2	...	824 2 3	...	{(A)} (B)	1,558 5 6	...	8,530 3 2	824 2 3	433 12 11	...	1,482 16 0	...
49. Portarlington	{(A)} (B)	30,344 1 5	62 13 8	6,585 0 9	9 10 6	{(A)} (B)	6,503 3 5	...	57,422 14 0	6,585 0 9	1,369 6 3	2,908 0 10	467 3 6	1,724 12 7
50. Pyramid Hill	{(A)} (B)	27,062 7 11	250 3 11	1,428 6 11	1 19 0	...	...	1,711 7 8	11,156 9 10	1,428 6 11	323 13 0	1,389 13 8	...	...
51. Quambatook	{(A)} (B)	10,595 14 10	31 4 11	Cr. 170 7 3	0 2 6	{(A)} (B)	400 8 11	...	6,230 16 0	Cr. 170 7 3	55 7 2	...	360 7 11	...
52. Queenscliff-Point Lonsdale	{(A)} (B)	904 9 3	1,865 3 8	6,780 0 7	4 10 3	...	12 12 6	9,339 0 11	157,833 14 10	6,780 0 7	3,709 5 0	5,634 6 2	...	...
53. Rainbow	{(A)} (B)	14,183 19 8	553 0 3	1,776 18 10	0 8 0	...	...	3,921 11 7	14,615 18 8	1,776 18 10	1,211 2 7	2,841 1 8	...	...
54. Red Cliffs	{(A)} (B)	449 8 0	868 4 7	3,139 5 2	8 3 3	...	...	6,077 16 11	86,775 3 1	3,139 5 2	1,213 16 10	4,872 3 4	...	...
55. Robinvale	{(A)} (B)	85,457 10 6	219 6 8	1,797 0 1	22 0 5	...	...	2,507 0 7	22,892 9 4	1,797 0 1	956 5 9	1,666 5 1	...	...
56. Rupanyup	{(A)} (B)	21,427 15 9	399 2 5	1,282 14 4	22 9 2	...	...	1,275 4 0	15,099 6 10	1,282 14 4	384 19 6	945 1 4	...	...
57. Sea Lake	{(A)} (B)	1,791 13 10	218 9 11	1,089 7 2	1 12 8	(A)	1,285 8 8	68 9 1	10,504 10 10	1,089 7 2	494 11 4	860 19 1	...	...
58. Somersville	{(A)} (B)	9,977 9 11	393 11 5	1,888 19 10	...	...	...	1,270 9 7	28,881 6 7	1,888 19 10	155 10 3	1,163 9 7	...	...
59. South Frankston	{(A)} (B)	2,101 17 6	3,174 3 10	8,411 11 7	2 18 6	...	...	9,312 16 8	454,323 12 8	8,411 11 7	3,094 13 4	7,073 2 11	...	...
60. Stanhope	{(A)} (B)	193,678 13 3	106 9 0	1,585 5 8	0 12 2	(A)	108 4 10	3,071 15 11	14,822 13 2	1,585 5 8	242 0 10	2,938 12 1	...	...
61. Tallygaroopna	{(A)} (B)	258,322 16 8	...	...	...	...	...	872 14 2	4,103 8 2	444 1 2	42 12 1	830 2 1	...	...
62. Terang ..	{(A)} (B)	14,716 4 2	24 2 9	444 1 2	...	...	...	2,794 10 1	69,169 19 2	13,822 6 6	933 18 8	1,918 3 4	...	...
63. Torquay...	{(A)} (B)	2,642 10 6	2,195 0 9	13,822 6 6	57 11 11	...	...	6,302 2 10	92,384 11 6	3,419 4 3	1,261 5 0	5,450 19 8	1,755 7 7	...
64. Tyabb (proposed)	{(A)} (B)	64,332 7 11	677 16 0	3,419 4 3	12 6 4	(A)	1,755 7 7	...	30,222 10 8	...	...	...	...	...
65. Ultima ..	{(A)} (B)	30,222 10 8	...	...	...	...	...	...	11,528 0 10	521 1 5	680 13 8	...	2,583 19 1	...
66. Werriham	{(A)} (B)	11,510 14 2	0 14 1	521 1 5	4 1 0	{(A)} (B)	2,506 14 9	...	9,644 12 2	516 8 1	1,140 18 7	...	1,972 16 0	284 19 8
	{(A)} (B)	16 13 6	3 3 11	516 8 1	...	{(A)} (B)	683 16 6	...	...	...	...	...	...	...
	{(A)} (B)	9,639 16 2	...	...	...	{(A)} (B)	3,276 4 6	...	...	...	...	...	...	...
	{(A)} (B)	1 12 1	...	...	...	{(A)} (B)	122 9 9	...	...	...	...	...	...	...

DISTRICT BALANCE-SHEETS AS AT 30TH JUNE, 1960.

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. 7.	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 before 1st July, 1938, Borne by State. (Act No. 6413, S. 54.) 13.
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
67. Wonthaggi	{(A) 6,659 8 9} {(B) 99,322 4 10}	1,689 0 4	12,848 16 7	129 5 9	{(A) 4,571 4 4 {(B) 3,104 17 5}	585 8 2	106,812 18 3	12,848 16 7	4,653 12 10	..	4,090 10 4	..
68. Woornelang	{(A) 176 1 0 {(B) 9,170 14 9}	121 2 9	1,019 10 11	6 14 5	{(A) 1,171 19 8 {(B) 1,991 4 11}	..	9,444 14 11	1,019 10 11	123 12 6	858 11 11	..	805 1 5
69. Woornien	{(A) 8,332 17 8 {(B) 573 3 2}	47 14 0	727 13 11	0 0 6	{(A) 136 8 11 {(B) 643 13 6}	..	8,947 11 10	727 13 11	423 15 11	..	362 10 0	..
70. Wycheproof	{(A) 6,232 11 6 {(B) 24,439 18 9}	244 5 2	2,938 4 3	4 1 6	{(A) 1,709 7 0 {(B) 1,709 7 0}	288 0 3	30,799 13 0	2,938 4 3	368 18 10	1,749 12 4	..	..
Totals	{(A) 2,543,569 11 1 {(B) 5,586,647 17 10}	80,339 3 7	333,160 17 0	758 8 4	{(A) 66,667 15 7 {(B) 15,321 7 6}	248,805 2 8	8,200,191 13 8	333,160 17 0	100,969 17 10	190,537 9 5	26,853 14 10	23,556 10 10

URBAN DISTRICTS—continued.

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 the water supplies are being continued by direction of the Governor in Council. The annual amount of loss resulting from the maintenance and management of these districts has been transferred to the "Revenue Expenditure chargeable to the State Account." (By authority of Order in Council dated 17th May, 1960, under the provisions of Section 47, *Water Act 1958*, No. 6413.)

71. Antwerp	{(A) 465 6 4 {(B) 250 6 10}	22 7 2	125 1 3	..	{(A) 81 2 2 {(B) 2 14 9}	..	735 6 4	125 1 3	81 9 8	..	5 0 11	..
72. Brim	{(A) 11,341 7 9 {(B) 332 8 6}	53 18 11	200 11 7	9 3 6	{(A) 2,102 4 9 {(B) 1,661 13 10}	..	11,713 16 2	200 11 7	126 18 3	..	2,659 2 10	..
73. Chinkapook	{(A) 2,944 10 1 {(B) 2,944 10 1}	..	254 5 10	3 13 4	{(A) 1,991 4 11 {(B) 68 7 9}	..	2,944 10 1	254 5 10	223 13 4	..	1,051 16 8	157 15 3
74. Dingee	{(A) 1,862 4 0 {(B) 690 19 4}	..	495 10 0	..	{(A) 822 6 8 {(B) 107 1 1}	..	1,862 4 0	495 10 0	40 15 6	..	795 1 9	93 10 6
75. Doent	{(A) 13,651 0 4 {(B) 39,820 0 0}	10 17 11	407 1 7	..	{(A) 1,909 12 11 {(B) 160 9 0}	..	698 7 5	407 1 7	52 5 2	12 10 5	11 16 0	130 4 9
76. Heyfield	{(A) 1,637 14 11 {(B) 13,660 6 6}	325 0 0	4,264 1 1	6 1 6	{(A) 1,909 12 11 {(B) 160 9 0}	..	53,651 0 4	4,264 1 1	887 16 10	..	1,202 7 5	160 19 2
77. Hopetoun	{(A) 1,637 14 11 {(B) 13,660 6 6}	162 14 6	1,115 18 8	7 17 9	{(A) 1,563 5 7 {(B) 1,563 5 7}	..	20,381 15 2	1,115 18 8	995 1 11	37 14 7	57 6 9	580 2 10
78. Jung Jung	{(A) 7,743 13 10 {(B) 95 11 7}	0 0 3	623 4 1	..	{(A) 4,505 10 5 {(B) 20 1 0}	..	6,899 1 6	623 4 1	98 7 8	..	3,887 1 1	540 2 11
79. Lake Boga	{(A) 5,060 13 7 {(B) 85 10 11}	38 19 4	1,493 15 5	15 0 0	{(A) 5,913 12 10 {(B) 1,716 2 9}	..	7,839 5 1	1,493 15 5	317 0 0	..	5,460 19 7	558 14 5
80. Lalbert	{(A) 4,565 10 11 {(B) 16 10 2}	6 3 5	527 5 7	1 4 2	{(A) 1,243 3 3 {(B) 71 8 7}	..	5,184 17 3	565 9 0	89 17 4	..	1,786 15 1	43 8 7
81. Lascelles	{(A) 1,716 19 1 {(B) 413 6 10}	..	459 3 5	..	{(A) 123 9 3 {(B) 2,494 14 5}	..	4,588 2 6	527 5 7	298 1 2	..	604 16 9	411 15 11
82. Macorna...	{(A) 4,557 6 6 {(B) 1,326 17 2}	2,982 17 4	83 14 4	..	{(A) 3,743 8 4 {(B) 30 16 2}	..	1,716 19 1	459 3 5	63 2 8	..	473 13 5	..
83. Mitiamo	{(A) 2,658 1 9 {(B) 3 4 10}	..	449 17 7	0 0 7	{(A) 3,743 8 4 {(B) 30 16 2}	..	7,540 3 10	83 14 4	113 4 7	16 3 3	2,365 6 7	..
84. Murrabit	{(A) 2,658 1 9 {(B) 3 4 10}	..	257 9 7	2 0 6	{(A) 833 1 5 {(B) 22 1 7}	..	1,326 17 2	449 17 7	14 8 4	..	3,067 14 11	92 1 10
85. Nandaly...	{(A) 2,658 1 9 {(B) 3 4 10}	0 0 6	257 9 7	..	{(A) 833 1 5 {(B) 22 1 7}	..	2,601 6 9	257 9 7	149 12 10	..	727 11 0	..

DISTRICT BALANCE-SHEETS AS AT 30TH JUNE, 1960.

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 before 1st July, 1938, Borne by State. (Act No. 6413, S. 54.)
1.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	7.	8.	9.	10.	11.	12.	13.

FLOOD PROTECTION DISTRICTS.

[illegible]

The District set out hereunder is that whose works will not produce sufficient Revenue to cover the Expense of Maintenance and Management thereof, and where the Water Supplies are being continued by direction of the Governor in Council. The Annual Amount of loss resulting from this district has been transferred to the "Revenue Chargeable to the State Account" (by Authority of order in Council dated 17th May, 1960 under the provisions of Section 47, Water Act 1958 No. 6413.)

[illegible]

DRAINAGE DISTRICT.

1. Carum	{ (A) 209,303 15 1 (B) 37,772 6 0	47 5 6	..	23 19 5	..	12,208 15 9	247,213 6 7	..	1,672 2 2	10,650 13 0	..
<div><div>£250,536 1s. 9d.</div><div>£250,536 1s. 9d.</div></div>												

SUMMARY OF DISTRICT BALANCE-SHEETS AS AT 30TH JUNE, 1960.

District.	Liabilities.						Assets.					
	Capital Borne by— (A) State, (B) District.	Redemption Account.	(A) Depreciation Reserve Account. (B) Irrigation Districts Maintenance Equalization and Renewals Reserve Account.	Sundry Creditors.	Accumulated Deficiency Chargeable to— (A) State Account, (B) District Account.	Profit and Loss Account. Gain.	Works at Cost.	(A) Depreciation Account. (B) Irrigation Districts Maintenance Equalization and Renewals Account.	Sundry Debtors.	Accumulated Surplus Credited to District Account.	Profit and Loss Account Losses at 30th June, 1960.	
											Borne by District Account.	Borne by State Account.
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Plant Workshops ..	{(A) 241,175 19 5 (B) 17,451 19 8}	595 5 11	(A) 25,348 10 5	..	(B) 29,363 8 6	..	259,174 12 1	(A) 25,348 10 5	18,829 17 7	..	10,582 3 10	..
Canal System ..	{(A) 3,427,916 2 11 (B) 295,221 11 1}	17,521 3 9	(A) 53,617 6 9	347 5 11	{(A) 1,307,771 9 2 (B) 19,665 2 11}	..	3,721,386 1 10	(A) 53,617 6 9	26,263 12 8	48 14 8	490,310 7 9	828,373 18 10
Irrigation Districts— Pumping ..	(A) 3,608,902 19 2	54 19 10	(B) 16,649 6 1	183 8 6	{(A) 706,842 19 6 (B) 36,282 15 5}	190 14 4	3,608,957 19 0	(B) 16,649 6 1	36,308 4 4	..	348 13 11	706,842 19 6
Gravitation ..	(A) 51,744,017 12 0	26,034 8 7	(B) 46,789 2 7	1,953 0 4	{(A) 795,151 3 0 (B) 219,134 4 1}	119,774 3 2	54,770,052 0 7	(B) 46,789 2 7	333,417 12 8	7,463 14 11	..	795,151 3 0
Waterworks Districts ..	{(A) 8,074,982 15 7 (B) 797,983 6 1}	35,270 7 2	(A) 163,791 11 0	584 15 5	{(A) 4,030,799 8 7 (B) 374,888 6 10}	66,305 4 4	8,906,150 7 2	(A) 163,791 11 0	52,736 5 5	76,084 17 5	3,668,154 5 10	677,688 8 2
Urban Districts ..	{(A) 2,667,340 15 9 (B) 5,643,859 17 1}	84,215 17 7	(A) 350,865 16 5	813 16 10	{(A) 118,881 11 7 (B) 21,260 17 9}	248,805 2 8	8,384,627 5 11	(A) 350,865 16 5	108,249 1 6	191,069 2 6	74,219 14 2	27,012 15 2
Flood Protection Districts ..	(A) 784,686 10 10	64 4 2	(A) 3,032 2 6	37 1 0	{(A) 17,482 1 8 (B) 72,140 18 8}	639 7 10	784,750 15 0	(A) 3,032 2 6	22,127 9 3*	1,059 9 11	55,888 9 2	11,253 0 10
Drainage Districts ..	{(A) 209,393 15 1 (B) 37,772 6 0}	47 5 6	..	23 19 5	..	12,298 15 9	247,213 6 7	..	1,672 2 2	10,650 13 0	..	..
Totals ..	{(A) 73,758,416 10 9 (B) 6,790,288 19 11}	163,803 12 6	{(A) 596,655 7 1 (B) 63,438 8 8}	3,943 7 5	{(A) 6,976,928 13 6 (B) 772,704 14 2}	448,033 8 1	80,682,312 8 2	{(A) 596,655 7 1 (B) 63,438 8 8}	599,604 5 7†	286,376 12 5	4,299,503 14 8	3,046,322 5 6
£89,574,213 2s. 1d.												

* Includes Capitalized Repairs and Maintenance on Bridges—Cardinia £6,135, and Koo-wee-rup £13,162.

† Exclusive of Diversion Branch.

IRRIGATION DISTRICTS MAINTENANCE EQUALIZATION AND RENEWALS
ACCOUNT, 1959-60.

District.	Balance at 1st July, 1959.	Capitalized Maintenance Paid Direct to Account 1959-60.	Cash Surpluses Transferred to Account 1959-60.	Total.	Expenditure, 1959-60.	Balance at 30th June, 1960.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Bacchus Marsh ..	1,342 4 6	..	..	1,342 4 6	230 19 3	1,111 5 3
Campaspe ..	348 5 0	..	..	348 5 0	345 0 0	3 5 0
Goulburn-Murray ..	61,296 8 8	1,900 9 4	..	63,196 18 0	34,991 4 6	28,205 13 6
Macalister ..	19,186 15 3	17 5 1	..	19,204 0 4	3,035 15 1	16,168 5 3
Merbein ..	8,544 7 5	..	..	8,544 7 5	7,333 16 5	1,210 11 0
Nyah ..	2,850 4 11	..	..	2,850 4 11	1,872 0 6	978 4 5
Red Cliffs ..	15,336 18 8	..	..	15,336 18 8	9,586 11 6	5,750 7 2
Robinvale ..	6,642 2 11	..	..	6,642 2 11	Cr. 1,192 0 0	7,834 2 11
Tresco ..	1,067 7 1	..	..	1,067 7 1	191 6 6	876 0 7
Werribee ..	1,404 8 7	23 0 0	..	1,427 8 7	126 15 0	1,300 13 7
Totals ..	118,019 3 0	1,940 14 5	..	119,959 17 5	56,521 8 9	63,438 8 8

WATER SUPPLY WORKS DEPRECIATION ACCOUNTS, 1959-60.

District.	Balance at 1st July, 1959.	Amounts Paid into Account 1959-60.	Interest 1959-60.	Total.	Expenditure 1959-60.	Balance in Account at 30th June, 1960.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.

WATERWORKS DISTRICTS

Bellarine Peninsula ..	Cr. 16,514 15 9	1,994 0 0	Cr. 412 17 5	Cr. 14,933 13 2	..	Cr. 14,933 13 2
Birchip ..	993 8 11	..	24 16 9	1,018 5 8	..	1,018 5 8
East Loddon ..	325 17 10	26 1 0*	8 2 11	360 1 9	..	360 1 9
Harcourt ..	362 9 0	21 0 0	9 1 3	392 10 3	..	392 10 3
Hindmarsh ..	4,189 10 11	139 0 0	99 17 2	4,428 8 1	..	4,428 8 1
Karkarocoe ..	273 6 2	6 0 0*	6 16 8	286 2 10	..	286 2 10
Kerang-North-West Lakes	210 5 1	..	5 5 2	215 10 3	..	215 10 3
Loddon ..	99 17 5	..	2 9 11	117 7 4	..	117 7 4
Long Lake ..	2,922 3 1	345 0 0	28 18 7	3,296 1 8	1,765 0 0	1,531 1 8
Millewa ..	45,935 16 1	5,442 0 0	1,105 14 6	52,483 10 7	1,706 16 2	50,776 14 5
Mornington Peninsula ..	21,205 9 10	6,074 0 0	531 15 6	27,811 5 4	..	27,811 5 4
Normanville ..	3,702 4 9	300 0 0	92 11 1	4,094 13 10	..	4,094 13 10
Otway ..	48,951 16 7	6,135 0 0	1,223 15 11	56,310 12 6	..	56,310 12 6
Cuyen ..	5,148 1 6	328 0 0	128 14 0	5,604 15 6	..	5,604 15 6
Sea Lake ..	993 8 11	..	24 16 9	1,018 5 8	..	1,018 5 8
Tyntynder ..	1,975 19 0	120 0 0	49 7 11	2,145 6 11	..	2,145 6 11
Tyntynder North ..	1,312 3 10	85 0 0	32 16 1	1,429 19 11	..	1,429 19 11
Tyrrell ..	1,376 19 8	96 0 0	34 8 6	1,507 8 2	..	1,507 8 2
Tyrell West ..	1,790 3 9	91 0 0	44 15 1	1,925 18 10	..	1,925 18 10
Upper Western Wimmera	169 1 2	..	..	169 1 2	..	169 1 2
Walpeup West ..	Cr. 178 13 8	250 0 0	Cr. 4 9 4	66 17 0	..	66 17 0
Werribee ..	17 10 7	..	0 8 9	17 19 4	..	17 19 4
Western Wimmera ..	13,530 18 0	959 0 0	283 10 2	14,773 8 2	2,190 13 0	12,582 15 2
West Loddon ..	898 18 1	94 16 2*	22 9 5	1,016 3 8	..	1,016 3 8
Wimmera United ..	2,335 7 8	749 0 0	58 7 8	3,142 15 4	..	3,142 15 4
Wycheproof ..	1,119 12 0	..	27 19 10	1,147 11 10	..	1,147 11 10
Totals ..	143,147 0 5	23,269 17 2	3,429 12 10	169,846 10 5	5,662 9 2	164,184 1 3

* Direct Contributions to Depreciation Fund—East Loddon, £26 1s.; Karkarocoe, £6; West Loddon, £94 16s. 2d.
Total, £126 17s. 2d.

URBAN DISTRICTS

Allansford ..	431 11 5	448 0 0	10 15 9	890 7 2	..	890 7 2
Anglesea ..	1,780 16 7	447 0 0	44 8 9	2,272 5 4	3 8 0	2,268 17 4
Antwerp ..	108 9 6	14 0 0	2 11 9	125 1 3	..	125 1 3
Barwon Heads and Ocean Grove ..	Cr. 1,069 17 3	2,323 0 0	Cr. 26 14 11	1,226 7 10	..	1,226 7 10
Berriwillock ..	267 7 4	35 0 0	6 13 8	309 1 0	..	309 1 0
Berwick ..	3,714 1 6	985 0 0	92 17 1	4,791 18 7	..	4,791 18 7
Beulah ..	1,289 4 8	105 0 0	32 4 7	1,426 9 3	..	1,426 9 3
Birchip ..	284 2 4	123 0 0	7 2 1	414 4 5	..	414 4 5
Birregurra ..	1,220 15 6	180 0 0	30 10 5	1,431 5 11	..	1,431 5 11
Bittern-Crib Point ..	1,734 4 10	1,039 0 0	43 7 1	2,816 11 11	..	2,816 11 11
Brim ..	146 18 2	50 0 0	3 13 5	200 11 7	..	200 11 7
Bunyip ..	3,645 3 2	317 0 0	90 2 0	4,052 5 2	..	4,052 5 2
Camperdown ..	16,099 16 6	1,321 0 0	102 9 11	17,823 6 5	..	17,823 6 5
Carwarp ..	241 15 5	8 0 0	4 16 7	254 12 0	..	254 12 0
Chelsea-Frankston ..	19,111 12 4	24,109 0 0	469 3 4	43,689 15 8	345 1 5	43,344 14 3
Chillingollah ..	156 6 6	16 0 0	0 2 3	172 8 9	151 17 2	20 11 7
Chinkapook ..	232 9 7	16 0 0	5 16 3	254 5 10	..	254 5 10
Cobden ..	3,897 5 0	584 0 0	97 8 7	4,578 13 7	..	4,578 13 7
Cohuna ..	2,920 14 7	290 0 0	56 0 5	3,266 15 0	679 18 1	2,586 16 11
Coliban ..	34,393 17 7	19,009 0 0	803 3 1	54,206 0 8	2,267 15 10	51,938 4 10
Corop ..	173 9 3	6 0 0	4 6 9	183 16 0	..	183 16 0
Cranbourne ..	1,112 10 8	482 0 0	27 16 3	1,622 6 11	..	1,622 6 11
Culgoa ..	273 17 7	44 0 0	6 16 11	324 14 6	..	324 14 6
Dandenong-Springvale ..	47,097 17 6	8,152 0 0	1,177 8 11	56,427 6 5	..	56,427 6 5
Dimboola ..	2,963 10 5	374 0 0	74 1 9	3,411 12 2	..	3,411 12 2
Dingee ..	441 9 3	43 0 0	11 0 9	495 10 0	..	495 10 0
Dooen ..	375 13 9	22 0 0	9 7 10	407 1 7	..	407 1 7
Dromana-Portsea ..	41,530 8 2	22,043 0 0	1,038 9 9	64,620 17 11	..	64,620 17 11
Drysdale ..	2,475 11 9	417 0 0	61 17 10	2,954 9 7	..	2,954 9 7
Elfdon ..	3,610 15 8	1,174 0 0	90 5 5	4,875 1 1	..	4,875 1 1
Elphinstone ..	347 19 9	122 0 0	8 14 0	478 13 9	..	478 13 9
Garfield ..	2,245 8 2	179 0 0	56 2 8	2,480 10 10	..	2,480 10 10
Hastings ..	1,397 19 2	991 0 0	34 19 0	2,423 18 2	..	2,423 18 2
Heyfield ..	3,632 5 0	541 0 0	90 16 1	4,264 1 1	..	4,264 1 1
Hopetoun ..	936 10 5	156 0 0	23 8 3	1,115 18 8	..	1,115 18 8
Jeparit ..	623 9 8	150 0 0	15 11 9	789 1 5	..	789 1 5
Jung Jung ..	530 18 7	79 0 0	13 5 6	623 4 1	..	623 4 1
Koondrook ..	1,248 15 9	212 0 0	31 4 5	1,492 0 2	..	1,492 0 2
Lake Boga ..	1,326 13 7	137 0 0	33 1 10	1,496 15 5	3 0 0	1,493 15 5
Lalbert ..	809 18 7	106 0 0	11 4 1	927 2 8	361 13 8	565 9 0
Lancelles ..	427 11 10	89 0 0	10 13 9	527 5 7	..	527 5 7

WATER SUPPLY WORKS DEPRECIATION ACCOUNTS AT 30TH JUNE, 1960—*continued*.

District.	Balance at 1st July, 1959.	Amounts Paid into Account 1959-60.	Interest 1959-60.	Total.	Expenditure 1959-60.	Balance in Account at 30th June, 1960.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
URBAN DISTRICTS— <i>continued</i>						
Leitchville	712 1 11	121 0 0	10 6 1	843 8 0	300 0 0	543 8 0
Lockington	427 16 11	110 0 0	2 5 11	540 2 10	335 19 7	204 3 3
Longwarry	2,679 6 0	622 0 0	66 7 5	3,367 13 5	..	3,367 13 5
Macorna	399 3 10	50 0 0	9 19 7	459 3 5	..	459 3 5
Manangatang	203 13 8	81 0 0	4 11 4	289 5 0	21 0 0	268 5 0
Marong	895 15 7	106 0 0	17 2 4	1,018 17 11	211 0 0	807 17 11
Marnoo	1,400 15 0	99 0 0	34 15 11	1,534 10 11	9 0 0	1,525 10 11
Merbein	3,370 17 6	593 0 0	84 5 5	4,048 2 11	..	4,048 2 11
Meringur	287 11 10	41 0 0	7 3 10	335 15 8	..	335 15 8
Minyip	862 15 4	175 0 0	18 16 10	1,056 12 2	109 3 5	947 8 9
Mitiamo	19 13 0	81 0 0	0 1 4	100 14 4	..	83 14 4
Mornington	2,664 15 9	7,889 0 0	59 7 0	10,613 2 9	290 15 1	10,322 7 8
Murrabit	408 10 2	70 0 0	9 5 4	487 15 6	37 17 11	449 17 7
Nandaly	224 17 2	27 0 0	5 12 5	257 9 7	..	257 9 7
Natimuk	1,152 17 5	90 0 0	28 16 5	1,271 13 10	..	1,271 13 10
Newstead	1,839 12 3	234 0 0	45 19 10	2,119 12 1	..	2,119 12 1
Nullawill	274 1 10	39 0 0	6 17 1	319 18 11	..	319 18 11
Nyah	942 6 1	102 0 0	23 11 2	1,067 17 3	..	1,067 17 3
Nyah West	2,278 9 10	168 0 0	44 2 4	2,490 12 2	513 15 2	1,976 17 0
Ouyen	1,258 11 9	542 0 0	31 3 7	1,831 15 4	11 8 3	1,820 7 1
Pakenham	3,060 4 5	880 0 0	76 7 7	4,016 12 0	5 0 0	4,011 12 0
Patchewollock	380 12 5	64 0 0	2 13 11	447 6 4	272 16 0	174 10 4
Piangil	696 13 11	110 0 0	17 8 4	824 2 3	..	824 2 3
Pimpinio	107 6 6	53 0 0	2 13 8	163 0 2	..	163 0 2
Portarlinton	5,386 7 7	1,064 0 0	134 13 2	6,585 0 9	..	6,585 0 9
Pyramid Hill	1,266 13 7	130 0 0	31 13 4	1,428 6 11	..	1,428 6 11
Quambatook	216 9 2	120 0 0	7 1 8	329 7 6	499 14 9	170 7 3
Queenscliff-Point Lonsdale	4,884 8 4	1,885 0 0	119 7 11	6,888 16 3	108 15 8	6,780 0 7
Rainbow	1,509 4 3	230 0 0	37 14 7	1,776 18 10	..	1,776 18 10
Red Cliffs	2,397 6 6	682 0 0	59 18 8	3,139 5 2	..	3,139 5 2
Robinvale	1,562 18 7	195 0 0	39 1 6	1,797 0 1	..	1,797 0 1
Rupanyup	1,265 1 8	174 0 0	27 0 10	1,466 2 6	183 8 2	1,282 14 4
Sea Lake	921 6 6	145 0 0	23 0 8	1,089 7 2	..	1,089 7 2
Somerville	1,504 7 8	347 0 0	37 12 2	1,888 19 10	..	1,888 19 10
South Frankston	4,905 11 3	3,532 0 0	119 0 4	8,556 11 7	145 0 0	8,411 11 7
Speed	97 6 0	78 0 0	2 6 2	177 12 2	5 0 0	172 12 2
Stanhope	1,427 11 10	122 0 0	35 13 10	1,585 5 8	..	1,585 5 8
Tallygaroopna	376 12 5	57 0 0	9 8 9	643 1 2	199 0 0	444 1 2
Tempy	428 14 9	78 0 0	10 14 4	517 9 1	..	517 9 1
Terang	12,798 7 4	704 0 0	319 19 2	13,822 6 6	..	13,822 6 6
Torquay	2,906 11 0	440 0 0	72 13 3	3,419 4 3	..	3,419 4 3
Ultima	439 1 10	71 0 0	10 19 7	521 1 5	..	521 1 5
Waitechie	78 4 0	27 0 0	1 19 1	107 3 1	..	107 3 1
Walpeup	209 7 5	60 0 0	5 4 8	274 12 1	..	274 12 1
Watchem	733 8 5	89 0 0	18 6 3	840 14 8	1 0 0	839 14 8
Werrimull	422 16 8	83 0 0	10 11 5	516 8 1	..	516 8 1
Wonthaggi	10,247 15 3	2,350 0 0	256 1 4	12,853 16 7	5 0 0	12,848 16 7
Woomelang	875 13 1	122 0 0	21 17 10	1,019 10 11	..	1,019 10 11
Woorinen	664 0 10	48 0 0	15 13 1	727 13 11	..	727 13 11
Wycheproof	2,993 7 1	235 0 0	65 18 8	3,294 5 9	356 1 6	2,938 4 3
Yaapeet	540 10 4	72 0 0	13 10 3	626 0 7	..	626 0 7
Totals	292,006 3 2	112,425 0 0	7,109 19 5	411,541 2 7	7,450 9 8	404,090 12 11

FLOOD PROTECTION DISTRICTS.

Cardinia	43 1 0	1,064 0 0	1 1 6	1,108 2 6	..	1,108 2 6
Lower Koo-wee-rup .. ..	..	1,924 0 0	..	1,924 0 0	..	1,924 0 0
Totals	43 1 0	2,988 0 0	1 1 6	3,032 2 6	..	3,032 2 6

SEWERAGE DISTRICT.

Eildon	998 0 0	998 0 0	24 19 0	2,020 19 0	..	2,020 19 0
Totals	998 0 0	998 0 0	24 19 0	2,020 19 0	..	2,020 19 0

BUILDINGS.

Buildings	23,836 11 5	5,250 0 0	523 17 4	29,610 8 9	2,881 16 8	26,728 12 1
Totals	23,836 11 5	5,250 0 0	523 17 4	29,610 8 9	2,881 16 8	26,728 12 1

PLANT WORKSHOPS.

Bendigo	20,894 13 8	2,400 0 0	522 7 4	23,817 1 0	..	23,817 1 0
Kerang	1,127 10 0	222 0 0	28 3 9	1,377 13 9	..	1,377 13 9
Tatura	101 5 0	50 0 0	2 10 8	153 15 8	..	153 15 8
Totals	22,123 8 8	2,672 0 0	553 1 9	25,348 10 5	..	25,348 10 5
Grand Totals	482,154 4 8	147,602 17 2	11,642 11 10	641,399 13 8	15,994 15 6	625,404 18 2

RECONCILIATION OF WATER SUPPLY WORKS DEPRECIATION ACCOUNT WITH WATER SUPPLY WORKS DEPRECIATION FUND (ACT 6413).

<i>Water Supply Works Depreciation Account.</i>				<i>Water Supply Works Depreciation Fund.</i>			
	£	s.	d.		£	s.	d.
Balance from 30th June, 1959 ..			1,038,708 2 8	Credit Balance as at 30th June, 1959	208,726	7	7
<i>Less—</i>				<i>Less</i> Transferred to Irrigation Dis-			
Written back to Cash and Profit and Loss Accounts ..	438,534	15	0	tricts Maintenance Equalization and Renewals Account ..	118,019	3	0
Transferred to Irrigation Districts Maintenance Equalization and Renewals Account ..	118,019	3	0		90,707	4	7
			556,553 18 0	Investments redeemed 1959-60 ..			
Balance 1st July, 1959 ..			482,154 4 8	Paid by Commission direct to Fund 1959-60 ..		126	17 2
Paid into Account 1959-60	147,476	0	0	Amount transferred to Fund by Treasury 1959-60 ..			
Paid direct to Fund 1959-60	126	17	2	Interest earned on Investments Account 1959-60 ..			
Interest Credited 1959-60 ..	11,642	11	10		90,834	1	9
			159,245 9 0	<i>Less—</i>	£	s.	d.
<i>Less</i> Expenditure 1959-60 ..			641,399 13 8	Expenditure 1959-60 ..	15,994	15	6
			15,994 15 6	Amount Invested by Treasury 1959-60 ..			
					15,994	15	6
				Credit Balance as at 30th June, 1960			74,839 6 3
				Amount at Credit of Sundry Investments Account 30th June, 1960			
				Amount credited to Account in Commissions books but not credited to Fund in Treasury at 30th June, 1959 ..	829,981	15	1
				<i>Less</i> Amount written back to Cash and Profit and Loss Accounts ..	438,534	15	0
				Amount credited to Account in Commission's books but not credited to Fund in Treasury 1st July, 1959 ..	391,447	0	1
				<i>Add—</i>	£	s.	d.
				Contributions paid to Revenue 1959-60 ..	147,476	0	0
				Interest credited to Account 1959-60	11,642	11	10
					159,118	11	10
				<i>Less</i> Amount transferred to Fund by Treasury 1959-60 ..			
				Amount not credited to Fund by Treasury 30th June, 1960 ..			550,565 11 11
			625,404 18 2				625,404 18 2

WATER SUPPLY PLANT AND MACHINERY ACCOUNT (ACT 6413).

SUMMARY OF OPERATING TRANSACTIONS FOR YEAR ENDED 30TH JUNE, 1960.

	£	s.	d.		£	s.	d.
Balance as at 1st July, 1959 ..			647,850 16 1	Interest due for year paid to Revenue No. 2 to 30th June, 1960 ..			53,504 14 3
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 £1,696,885 18s. 8d. as at 30th June, 1960				Redemption paid to Revenue No. 9 Miscellaneous to 30th June, 1960 ..			4,458 14 1
Interest ..	66,302	3	1	Water Supply Plant and Machinery Depreciation Fund Investment in Treasury ..	392,030	14	2
Redemption ..	3,265	3	5	Interest on Fund Investment ..	25,820	19	2
Depreciation ..	392,030	14	2		417,851	13	4
Cost of Operation, Maintenance and Repairs, &c. ..	233,902	17	8	Cost of Operation, Maintenance and Repairs, &c. ..			331,742 19 4
			695,498 18 4	Plant and Machinery Operating Account Reserve as at 30th June, 1960 ..			561,612 12 7
Interest—Depreciation Fund Investment ..			25,820 19 2				
			1,369,170 13 7				1,369,170 13 7

WATER SUPPLY PLANT AND MACHINERY ACCOUNT (ACT 6413).
SUMMARY OF CAPITAL TRANSACTIONS FOR YEAR ENDED 30TH JUNE, 1960.

						£	s.	d.	£	s.	d.
Plant and Machinery—											
Debit Balance in Account as at 30th June, 1959	..	..	..	..	..	1,825,268	9	9			
Add—Purchases of Plant during year 1959–60	..	..	..	..	..	63,967	9	11			
									1,889,235	19	8
Deduct—											
Redemption paid to Treasury 30th June, 1960	..	..	..	..	..	4,458	14	1			
Repayments to State Loans Repayment Fund	..	..	..	..	..	187,891	6	11			
									192,350	1	0
Total Capital Liability	..	..	..	..	..				1,696,885	18	8

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

Plant and Machinery—						£	s.	d.
Payments to 30th June, 1959	..	..	..	..	..	499,451	8	7
Amount due and paid for year 1959–60	..	..	..	..	..	53,504	14	3
						552,956	2	10

RECONCILIATION OF WATER SUPPLY PLANT AND MACHINERY DEPRECIATION ACCOUNT
WITH WATER SUPPLY PLANT AND MACHINERY DEPRECIATION FUND (ACT 6413).

<i>Water Supply Plant and Machinery Depreciation Account.</i>						<i>Water Supply Plant and Machinery Depreciation Fund (in Treasury).</i>							
	£	s.	d.	£	s.	d.		£	s.	d.	£	s.	d.
Credit Balance as at 30th June, 1959				852,744	14	11	Balance as per Treasury General Account at 30th June, 1959 ..				324,744	14	11
Add—							Payment to Fund during 1959-60	392,030	14	2			
Proceeds from Hire of Plant	392,030	14	2				Interest credited by Treasury on Investments for year 1959-60	25,820	19	2			
Interest credited for year 1959, 60.. .. .	25,820	19	2								417,851	13	4
				417,851	13	4							
Less Expenditure for replacement of Plant	184,219	8	8				Less Withdrawal for replacement of plant	184,219	8	8			
				233,632	4	8					742,596	8	3
							Repayment to State Loans Repayment Fund for plant sold and not replaced ..	41,695	8	3			
											225,914	16	11
				191,936	16	5							
							Less—				516,681	11	4
							Funds invested during 1959-60				150,000	0	0
							Balance as per Treasury General Account at 30th June, 1960 ..				366,681	11	4
							Amount Invested in Treasury Investment Account ..				678,000	0	0
				1,044,681	11	4					1,044,681	11	4

STATEMENT OF REVENUE SETTING OUT ARREARS AS AT 1ST JULY, 1959, AND AS AT 30TH JUNE, 1960.

	Total.	Water Act 1958 (No. 6413), Sec. 374.		General Rate.		Irrigation Charge.		Drainage Rate.		Flood Protection Charge.		Sales of Water.		Miscellaneous.
		Consolidated Arrears.	Interest.	Rate.	Interest.	Charge.	Interest.	Rate.	Interest.	Charge.	Interest.	Sales.	Interest.	
	£	£	£	£	£	£	£	£	£	£	£	£	£	£
Arrears at 1st July, 1959 ..	522,721	1,841	693	78,834	9,338	81,342	7,853	13,401	1,039	3,604	271	311,242	2,248	11,015
Assessments, 1959-60 ..	1,921,926	..	..	999,569	..	729,330	..	151,847	..	41,180	..	..	..	..
Additional Water Sales, and Interest Charges to 30th June, 1960 ..	936,830	..	48	..	4,864	..	4,514	..	813	..	192	700,437	2,713	223,249
Total Amount Collectable, 1959-60 ..	3,381,477	1,841	741	1,078,403	14,202	810,672	12,367	165,248	1,852	44,784	463	1,011,679	4,961	234,264
<i>Deduct—</i>														
(i) Revenue Collected, 1959-60 ..	2,774,194	1,046	25	970,167	3,806	724,303	4,592	142,086	663	42,114	270	660,040	3,154	221,928
(ii) Credits Absorbed ..	28,126	..	..	7,100	2	3,492	..	6,484	1	18	..	7,923	4	3,102
Balance ..	579,157	795	716	101,136	10,394	82,877	7,775	16,678	1,188	2,652	193	343,716	1,803	9,234
Add—Amounts Overpaid ..	9,090	..	..	1,796	4	581	17	100	..	37	..	2,054	7	4,494
Total—Gross Arrears at 30th June, 1960	588,247	795	716	102,932	10,398	83,458	7,792	16,778	1,188	2,689	193	345,770	1,810	13,728
<i>Deduct—</i> Amounts recommended for Writing off, 1959-60 ..	10,649	..	2	3,536	211	2,329	103	338	9	50	2	2,376	158	1,535
Balance—Net Arrears as at 30th June, 1960	577,598	795	714	99,396	10,187	81,129	7,689	16,440	1,179	2,639	191	343,394	1,652	12,193

Excludes operations of Eildon Sewerage District.

This Statement is subject to Audit and minor adjustments.

CAPITAL EXPENDITURE.

STATEMENT OF MONEYS EXPENDED UNDER WATER SUPPLY LOAN ACTS FOR THE YEAR ENDED
30TH JUNE, 1960.

Works.	Water Supply Loan Funds.					
	Act 6460.		Act 6566.		Total.	
	£	s. d.	£	s. d.	£	s. d.
<i>Main Supply Works, Stores, and Workshops.</i>						
Advances to State Electricity Commission for electricity supply to						
Water Supply Works	128	6 8	350	0 0	478	6 8
Bulk Store and Storeyard, South Melbourne	91	7 0	9	2 8	100	9 8
Cairn Curran Reservoir	29,823	6 2	14,595	1 5	44,418	7 7
Cattanach Canal	390	2 2	2,373	8 10	2,763	11 0
Central Highlands Development Project	551	12 2	148,660	19 6	149,212	11 8
Commission Buildings	2,619	10 0	125,456	6 10	128,075	16 10
Commission Workshops	36	0 0	1,552	11 3	1,588	11 3
East Goulburn Main Channel	166,557	0 7	132,368	13 1	298,925	13 8
Eildon Reservoir Enlargement	16,728	6 8	60,395	9 3	77,123	15 11
Eppalock Reservoir	3,651	8 3	184,704	16 9	188,356	5 0
Glenelg River Works	49	14 1	1,057	18 7	1,107	12 8
Glenmaggie Reservoir	8,888	15 0	23,376	8 4	32,265	3 4
Goulburn Weir	1,500	9 2	2,457	15 8	3,958	4 10
Goulburn System Enlargement	4,095	17 11	129,078	13 0	124,982	15 1
Hawthorn Laboratory	8	8 0	0	16 10	9	4 10
Hepburn's Lagoon	85	10 0	97	9 6	182	19 6
Hydraulic Experimental Station	19	7 5	13	13 2	33	0 7
Kerang North-West Lakes .. .. .	..	..	1,472	17 6	1,472	17 6
Kow Swamp Works	573	2 2	1,273	19 9	1,847	1 11
Lake Corangamite Drainage Project	4,199	18 1	14,555	18 11	18,755	17 0
Loddon River Works	513	8 4	2,218	8 4	2,731	16 8
Loddon Weir	24	16 0	206	4 11	231	0 11
Melton Reservoir .. .. .	..	..	396	9 9	396	9 9
Maffra Weir	136	1 10	13	12 2	149	14 0
Mountain Areas Water Supply .. .. .	..	..	27,000	0 0	27,000	0 0
Plant and Machinery	11,628	14 5	52,338	15 6	63,967	9 11
Pykes Creek Reservoir	159	5 3	191	7 6	350	12 9
River Murray Agreement Works	62,000	0 0	7,000	0 0	69,000	0 0
River Murray State Works .. .. .	..	..	2,758	12 2	2,758	12 2
Rocklands Outlet Channel .. .. .	..	..	7	12 11	7	12 11
Rocklands Storage	2,527	3 1	4,562	9 3	7,089	12 4
Stuart Murray Canal	13,456	15 11	10,774	5 0	24,231	0 11
Surveys and Investigations	45,207	15 2	131,081	0 4	176,288	15 6
Tallangatta Township Removal	8,733	9 6	5,000	0 0	13,733	9 6
Toolondo Outlet Channel .. .. .	..	..	7	5 1	7	5 1
Toolondo Reservoir .. .. .	..	..	440	0 0	440	0 0
Torumbarry System	1,718	1 9	573	9 5	2,291	11 2
Tullaroop Creek Reservoir	113,408	11 1	103,782	6 0	217,190	17 1
Waranga Reservoir Enlargement .. .. .	..	..	2,092	1 6	2,092	1 6
Waranga Western Channel Enlargement	939	5 6	5,409	14 11	6,349	0 5
Waranga Western Channel to 56-mile Regulator .. .. .	..	..	96	18 9	96	18 9
Waranga Western Channel Extension	10,981	12 3	13,852	14 1	24,834	6 4
Wimmera Main Channels	5,853	8 9	87,149	2 10	93,002	11 7
Total	509,094	14 6	1,300,804	11 3	1,809,899	5 9
<i>Irrigation Districts.</i>						
Bacchus Marsh	896	5 11	6,040	18 7	6,937	4 6
Campaspe	265	16 2	1,660	2 2	1,925	18 4
Goulburn-Murray	500,438	10 0	799,564	14 3	1,300,003	4 3
Macalister	88,685	9 5	149,177	13 9	237,863	3 2
Merbein	2,134	6 0	6,715	8 7	8,849	14 7
Nyah	1,385	0 0	3,465	3 4	4,850	3 4
Red Cliffs	11,277	17 11	15,190	7 5	26,468	5 4
Robinvale	49,914	7 3	86,430	5 8	136,344	12 11
Tresco	4,681	7 1	6,852	10 2	11,533	17 3
Werribee	9,434	11 5	11,896	16 7	21,331	8 0
Total	669,113	11 2	1,086,994	0 6	1,756,107	11 8
<i>Waterworks Districts.</i>						
Axe Creek .. .. .	..	..	22	11 0	22	11 0
Bellarine Peninsula (including Headworks)	331	6 10	1,439	13 6	1,771	0 4
Birchip	103	5 8	447	17 9	551	3 5
East Loddon	4	15 8	57	18 3	62	13 11
Harcourt .. .. .	..	..	77	4 0	77	4 0
Hindmarsh	2	2 4	20	17 10	23	0 2
Karkaroc	384	8 9	251	6 11	635	15 8
Kerang North-West Lakes	43	18 5	592	12 2	636	10 7
Loddon	1,042	15 3	177	12 5	1,220	7 8
Long Lake	2	0 0	3,012	7 3	3,014	7 3
Millewa	1,047	6 7	1,092	1 6	2,139	8 1

CAPITAL EXPENDITURE—continued.

STATEMENT OF MONEYS EXPENDED UNDER WATER SUPPLY LOAN ACTS FOR THE YEAR ENDED
30TH JUNE, 1960—continued.

Works.	Water Supply Loan Funds.					
	Act 6460.		Act 6566.		Total.	
	£	s. d.	£	s. d.	£	s. d.
<i>Waterworks Districts—continued.</i>						
Mornington Peninsula (including Headworks)	61,470	7 10	65,720	2 3	127,190	10 1
Normanville	22	2 6	254	13 10	276	16 4
Otway (including Headworks)	6,462	12 1	27,604	10 9	34,067	2 10
Ouyen	661	8 9	895	12 4	1,557	1 1
Sea Lake	154	8 6	590	1 9	744	10 3
Tyntynder	22	17 6	85	14 0	108	11 6
Tyntynder North	365	6 7	494	13 5	860	0 0
Tyrrell	6	10 0	12	9 11	18	19 11
Tyrrell West	91	3 9	89	8 3	180	12 0
Upper Western Wimmera	17	18 7	658	13 2	676	11 9
Upper Wimmera United	2	1 8	294	7 6	296	9 2
Walpeup West	125	2 11	169	9 0	294	11 11
Werribee	23	7 7	52	11 1	75	18 8
West Loddon	1	0 10	223	10 0	224	10 10
Western Wimmera	1,204	13 0	3,240	7 7	4,445	0 7
Wimmera United	257	11 8	4,715	18 11	4,973	10 7
Wycheproof	191	9 7	700	0 6	891	10 1
Wychitella	158	6 3	710	0 0	868	6 3
Total	74,200	9 1	113,704	6 10	187,904	15 11
<i>Urban Districts.</i>						
Allansford .. .. .	..	..	23	8 11	23	8 11
Anglesea	7,456	13 4	23,993	9 8	31,450	3 0
Barwon Heads and Ocean Grove	1,817	2 4	Cr. 402	18 9	1,414	3 7
Berwick	Cr. 582	8 0	Cr. 298	13 3	Cr. 881	1 3
Beulah	2	0 11	179	6 3	181	7 2
Birchip .. .. .	..	..	910	11 0	910	11 0
Birregurra	6	7 3	0	12 8	6	19 11
Bittern-Crib Point	Cr. 64	2 4	3,649	0 5	3,584	18 1
Brim	830	17 5	1,052	17 10	1,883	15 3
Bunyip	47	3 3	2,147	7 1	2,194	10 4
Camperdown	355	17 3	596	3 7	952	0 10
Carrum Downs .. .. .	..	..	15,670	3 4	15,670	3 4
Chelsea-Frankston	1,809	1 6	29,438	1 6	31,247	3 0
Chillingollah .. .. .	..	..	407	0 0	407	0 0
Cobden	242	2 9	497	17 3	740	0 0
Cohuna	117	18 2	Cr. 108	9 10	9	8 4
Coliban	134,435	12 4	464,549	17 11	598,985	10 3
Cranbourne	Cr. 64	19 11	Cr. 230	18 7	Cr. 295	18 6
Culgoa .. .. .	..	..	111	8 0	111	8 0
Dandenong-Springvale	Cr. 691	17 10	Cr. 515	2 10	Cr. 1,207	0 8
Dimboola .. .. .	..	..	1,660	10 11	1,660	10 11
Dingee	28	8 0	4	4 3	32	12 3
Dromana-Portsea	101,105	13 9	252,895	0 4	354,000	14 1
Drysdale .. .. .	..	..	37	9 8	37	9 8
Elphinstone .. .. .	..	..	30	0 7	30	0 7
Garfield	890	13 2	13	7 11	904	1 1
Hastings	Cr. 67	14 11	Cr. 254	2 5	Cr. 321	17 4
Heyfield .. .. .	..	..	3,037	16 3	3,037	16 3
Hopetoun	83	10 7	6,589	4 4	6,672	14 11
Jeparit	7	18 3	27	5 7	35	3 10
Jung Jung	621	5 7	1,167	16 8	1,789	2 3
Koondrook	66	9 6	296	1 1	362	10 7
Lascelles	1	13 10	76	2 1	77	15 11
Leitchville	97	13 10	758	12 5	856	6 3
Leopold .. .. .	..	..	2,002	4 2	2,002	4 2
Lockington	94	9 7	2,210	4 4	2,304	13 11
Longwarry	Cr. 59	19 1	Cr. 185	9 11	Cr. 245	9 0
Manangatang .. .. .	..	..	261	18 9	261	18 9
Marnoo .. .. .	..	..	6	4 8	6	4 8
Marong	1,914	10 1	393	18 9	2,308	8 10
Merbein	42	0 4	142	3 5	184	3 9
Meringur .. .. .	..	..	177	6 11	177	6 11
Minyip	287	16 2	1,176	19 5	1,464	15 7
Mitiamo .. .. .	..	..	824	4 8	824	4 8
Mornington	9,146	18 11	9,026	12 5	18,173	11 4
Nandaly	Cr. 5	10 10	Cr. 0	11 1	Cr. 6	1 11
Narre Warren .. .. .	..	..	122	0 11	122	0 11
Nar-Nar-Goon and Tynong	7,724	9 6	39,286	7 10	47,010	17 4
Newstead .. .. .	..	..	1,309	15 4	1,309	15 4
Nyah .. .. .	..	..	55	7 4	55	7 4
Nyah West	26	1 8	558	15 5	584	17 1
Officer	1,624	15 5	1,723	5 8	3,348	1 1
Ouyen	374	18 3	851	8 2	1,226	6 5
Pakenham	Cr. 1	8 0	Cr. 306	6 1	Cr. 307	14 1
Patchewollock .. .. .	..	..	46	16 10	46	16 10

CAPITAL EXPENDITURE—continued.

STATEMENT OF MONEYS EXPENDED UNDER WATER SUPPLY LOAN ACTS FOR THE YEAR ENDED 30TH JUNE, 1960—continued.

Works.	Water Supply Loan Funds.					
	Act 6152.		Act 6460.		Total.	
	£	s. d.	£	s. d.	£	s. d.
<i>Urban Districts—continued</i>						
Piangil .. .. .	..	..	323 13 3	..	323 13 3	..
Portarlinton	402 8 0	..	745 4 6	..	1,147 12 6	..
Pyramid Hill	227 5 1	..	83 6 0	..	310 11 1	..
Quambatook .. .. .	..	..	1,030 0 2	..	1,030 0 2	..
Queenscliff-Point Lonsdale	698 14 1	..	1,022 3 9	..	1,720 17 10	..
Rainbow	60 8 4	..	8 15 1	..	69 3 5	..
Red Cliffs	97 0 3	..	352 7 9	..	449 8 0	..
Robinvale	174 13 2	..	1,164 3 7	..	1,338 16 9	..
Rypauyup	551 17 3	..	1,239 16 7	..	1,791 13 10	..
Sea Lake .. .. .	..	..	308 11 0	..	308 11 0	..
Somerville	Cr. 38 8 6	..	Cr. 124 6 8	..	Cr. 162 15 2	..
South Frankston	54,232 5 5	..	28,239 12 3	..	82,471 17 8	..
Speed .. .. .	..	..	19 3 4	..	19 3 4	..
Tempy .. .. .	..	..	19 3 4	..	19 3 4	..
Terang	Cr. 24 9 10	..	282 17 4	..	258 7 6	..
Torquay	358 6 11	..	1,191 18 3	..	1,550 5 2	..
Tyabb (proposed)	1,648 13 8	..	16,312 13 3	..	17,961 6 11	..
Walpeup	64 18 7	..	6 9 11	..	71 8 6	..
Watchem .. .. .	..	..	50 15 4	..	50 15 4	..
Werrimull .. .. .	..	..	417 4 9	..	417 4 9	..
Wonthaggi .. .. .	..	..	275 0 0	..	275 0 0	..
Woomelang .. .. .	..	..	176 1 0	..	176 1 0	..
Woorinen .. .. .	..	..	1,801 14 4	..	1,801 14 4	..
Wycheproof	2,542 0 5	..	3,690 11 1	..	6,232 11 6	..
Total	330,717 14 10	..	926,330 18 11	..	1,257,048 13 9	..
<i>Drainage District.</i>						
Carum	1,485 15 5	..	80,234 9 1	..	81,720 4 6	..
Total	1,485 15 5	..	80,234 9 1	..	81,720 4 6	..
<i>Flood Protection Districts.</i>						
Cardinia .. .. .	..	..	3,189 5 10	..	3,189 5 10	..
Kanyapella	4 10 2	..	0 9 0	..	4 19 2	..
Lower Koo-wee-rup	8,206 15 4	..	18,795 11 7	..	27,002 6 11	..
Total	8,211 5 6	..	21,985 6 5	..	30,196 11 11	..
<i>Works under General Supervision.</i>						
Waterworks Trusts and Local Governing Bodies	169,999 17 1	..	822,993 12 0	..	992,993 9 1	..
River Improvement Trusts	22,360 15 2	..	178,239 4 7	..	200,599 19 9	..
Latrobe Valley	180,520 16 1	..	588,223 18 5	..	768,744 14 6	..
Total	372,881 8 4	..	1,589,456 15 0	..	1,962,338 3 4	..
Grand Totals	1,965,704 18 10	..	5,119,510 8 0	..	7,085,215 6 10	..

SUMMARY.

	£	s. d.	£	s. d.
Ordinary Loan Funds (Acts 6460 and 6566)	7,085,215	6 10
Treasurer's Advance—Tallangatta Township Removal	2,644	11 10
Treasurer's Advance—Waterworks Trusts and Local Governing Bodies	105,701	17 2
			108,346	9 0
			7,193,561	15 10

COUNTRY SEWERAGE AUTHORITIES.

Water Supply Loan Application Act 6460 Part V.—Expenditure for year ended 30th June, 1960 .. .. .	..	..	6,232	19 5
Water Supply Loan Application Act 6566 Part V.—Expenditure for year ended 30th June, 1960 .. .. .	..	..	148,921	16 4
Water Supply Loan Application Act 6566 Part VI.—Expenditure for year ended 30th June, 1960 .. .. .	..	..	167,413	3 7
Treasurer's Advance, Part V. .. .. .	..	..	105,940	13 9
Treasurer's Advance, Part VI. .. .. .	..	..	196,776	5 11
			302,716	19 8
			625,284	19 0

CAPITAL EXPENDITURE—*continued*.

CAPITAL EXPENDITURE ON WORKS OF COUNTRY WATER SUPPLY AS AT 30TH JUNE, 1960.

RECONCILIATION STATEMENTS.

(A) LOAN.

Net Loan Capital as per Annual Report.

						£	s.	d.
Total Loan Expenditure (Finance page 87)	..	..	..	..	..	117,039,833	2	8
<i>Add—</i>								
						£	s.	d.
Discount and Expenses Less Premiums Country Water Supply (Finance pages 87 and 88)	..	..	..	..	..	2,380,514	19	6
Loan Expenditure Geelong Works (Finance page 88)	..	..	..	..	..	441,152	1	8
Expenditure from Treasurer's Advance	..	..	..	..	..	108,346	9	0
						2,930,013	10	2
						119,969,846	12	10
<i>Less—</i>								
Redemption—								
State Loans Repayment Fund, &c., (Finance pages 87 and 88)	..	..	..	..	..	4,580,808	9	9
Paid to Consolidated Revenue (Annual Report page 107)	..	..	..	..	..	993,760	3	5
						5,574,568	13	2
						114,395,277	19	8
Net Loan Capital as per Annual Report	..	..	..	..	..	114,395,277	19	8

(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, 1957, Act 5746 (Sewerage Act)	..	..	..	..	..	1,113,357	6	5
" " " " " 1959 Water Supply Loan Application Act	..	..	..	..	..	1,576,179	4	1
<i>Expenditure, 1959-60—</i>								
						£	s.	d.
Act 6460	..	..	..	..	..	6,232	19	5
Act 6566	..	..	..	..	..	316,334	19	11
Treasurer's Advance	..	..	..	..	..	302,716	19	8
						625,284	19	0
Total as at 30th June, 1960	..	..	..	..	..	3,314,821	9	6
<i>Expenditure at Debit of Authorities Act 5746 (Sewerage Act)</i>								
" " " " " Water Supply Loan Application Acts	..	..	..	..	..	1,024,805	3	8
						1,924,639	2	0
						2,949,444	5	8
<i>Amounts transferred by Order-in-Council to Expenditure Borne by the State Account—</i>								
Sewerage Act	..	..	..	..	..	88,552	2	9
Water Supply Loan Application Acts	..	..	..	..	..	276,825	1	1
						365,377	3	10
						3,314,821	9	6

EILDON SEWERAGE DISTRICT.

Amount transferred from Country Sewerage Authorities	..	..	..	..	..	103,800	0	0
Less—Redemption paid to Consolidated Revenue	..	..	..	..	..	1,168	15	7
						102,631	4	5
<i>Expenditure at Debit of District</i>								
" Borne by State Account	..	..	..	..	..	74,071	4	5
						28,560	0	0
						102,631	4	5

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, 1960.

Year Ended 30th June.	Expenditure under Water Supply Loans Application Acts.				Capital Expenditure by Commission from Unemployment Relief Funds.				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	5,885,036	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	..	696,146 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	..	351,118 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	..	488,072 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	..	315,870 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	..	260,736 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	..	285,473 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	..	360,791 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	..	353,606 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	..	582,327 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	..	426,824 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	..	471,369 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	..	274,845 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	..	75,479 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	..	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	..	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	..	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	..	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	..	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	..	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	..	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	..	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	..	10,619,672 2 5	59,328,759 14 11	
1953	6,919,911	3 10	63,387,923	18 9	..	2,860,747 0 0	6,919,911 3 10	66,248,670 18 9	..	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	..	8,475,565 5 9	74,724,236 4 6	
1955	9,177,831	8 6	81,041,320	13 0	..	2,860,747 0 0	9,177,831 8 6	83,902,067 13 0	..	9,177,831 8 6	83,902,067 13 0	
1956	7,457,045	2 5	88,498,365	15 5	..	2,860,747 0 0	7,457,045 2 5	91,359,112 15 5	..	7,457,045 2 5	91,359,112 15 5	
1957	6,593,440	19 11	95,091,806	15 4	..	2,860,747 0 0	6,593,440 19 11	97,952,553 15 4	..	6,593,440 19 11	97,952,553 15 4	
1958	6,922,072	0 3	102,013,878	15 7	..	2,860,747 0 0	6,922,072 0 3	104,874,625 15 7	..	6,922,072 0 3	104,874,625 15 7	
1959	7,788,976	5 3	109,802,855	0 10	..	2,860,747 0 0	7,788,976 5 3	112,663,602 0 10	..	7,788,976 5 3	112,663,602 0 10	
1960	7,085,215	6 10	116,888,070	7 8	..	2,860,747 0 0	7,085,215 6 10	119,748,817 7 8	..	7,085,215 6 10	119,748,817 7 8	

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.

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

CAPITAL EXPENDITURE, 1959-60.

	£	s.	d.	£	s.	d.
Expenditure during the year on Capital Works of Water Supply—						
Ordinary Loan Funds (Details, pages 93, 94, 95)	7,085,215	6	10

LOAN CAPITAL LIABILITY.

Net Loan Liability of State for Works of Country Water Supply at 30th June, 1960	104,985,012	10	11
--	----	----	-------------	----	----

Represented by—

	£	s.	d.
Works at Debit of Authorities—			
Commission Districts	6,772,837	0	3
Water Supply Plant and Machinery Account	1,696,885	18	8
Plant Workshops	17,451	19	8
Waterworks Trusts and Local Governing Bodies	7,993,902	14	10
River Improvement Trusts	149,388	6	10
Latrobe Valley	2,278,337	19	8
	18,899,803	19	11

Capital Expenditure Borne by the State—

Capital Works and Charges	7,098,664	5	8
State Works of Water Supply	1,331,270	15	4
Headworks and Distributory Works	81,496,185	10	0
Waterworks Trusts and Local Governing Bodies	4,559,016	14	9
Free Grants to Local Authorities in early years	142,356	4	11
River Improvement Trusts	867,980	9	1
	95,495,473	19	9

Net Loan Capital Liability of Commission's Districts, and Works under Control of the Commission	114,395,277	19	8
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Less Expenditure from Treasurer's Advance	108,346	9	0
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Less Amount from National Debt Sinking Fund, being the difference between redemption recoup contributions paid by Districts, Waterworks Trusts, &c. (£993,760 3s. 5d.) and the amount (£10,295,679 3s. 2d.) contributed from Consolidated Revenue to the National Debt Sinking Fund (pages 87, 88, Finance)	9,301,918	19	9
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Net Liability Country Water Supply Capital Account in Treasury	104,985,012	10	11
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INTEREST AND EXCHANGE.

The Total Interest on the Loan Liability for 1959-60 is	4,612,450	13	10
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To which is to be added—

Exchange payable on Overseas Interest	152,490	0	8
Loan Conversion Expenses	13,151	13	0
	4,778,092	7	6

Interest Debitable to—

Works at Debit of Authorities—			
Commission Districts	188,596	5	1
Trusts	306,151	8	9
Water Supply Plant and Machinery Account	53,504	14	3
	548,252	8	1

Capital Expenditure Borne by the State—

Capital Works and Charges	344,222	8	2
State Works of Water Supply	73,090	18	0
Headworks and Distributory Works not debited to Districts	3,415,801	6	11
Waterworks Trusts and Local Governing Bodies	224,930	6	8
Free Grants to Local Authorities in early years	6,153	6	0
	4,064,198	5	9

Exchange £152,490 0s. 8d. and Loan Conversion Expenses, £13,151 13s. not apportioned	165,641	13	8
	4,778,092	7	6

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 the Districts and Works.		Capital Charges borne by the State Account.		Total.		Totals at 30th June, 1960.	
	£	s. d.	£	s. d.	£	s. d.	£	s. d.
Geelong (Inclusive of Loan Flotation Expenses)
Eppalock Reservoir..	164,953	7 4	164,953	7 4
Goulburn Levees	314,433	18 5	314,433	18 5
Torrumbarry System (excluding Weir)	30,797	0 4	30,797	0 4
Lang Lang River Works	247,119	2 0	247,119	2 0
Surveys and Preliminary Investigations	48,543	8 9	48,543	8 9
Loan Flotation Expenses	1,272,571	9 6	1,272,571	9 6
River Improvements	2,356,478	19 4	2,356,478	19 4
Bulk Store and Storeyard, South Melbourne, and Dynon-road Storeyard	18,432	10 6	18,432	10 6
Water Supply Stores Suspense	7,379	11 3	7,379	11 3
Plant and Machinery Suspense	1,206,000	0 0	1,206,000	0 0
Central Plant Workshops, Bendigo (Land, Buildings, and Services, £153,577 1s. 3d.; Equipment, £47,126 17s. 10d.; Residences, £49,875 11s. 6d.)	1,696,885	18 8
Plant, Sub-depots, Kerang, £5,461 8s. 0d.; Tatura, £2,587 0s. 6d.; Koo-wee-rup, £385 11s.	17,117	11 7	233,461	19 0
Commission Buildings, "Carlisle House," £54,649 9s. 1d.; Fine Arts Building, £28,637 9s. 4d.; Hydraulic Experimental Station, Werribee, £32,556 9s. 3d., including residences; Engineering Laboratory, Hawthorn, £46,497 3s. 11d.; Irrigation branch residences, £36,765 13s. 9d.; Central Administrative Offices, Toorak, £119,695 14s. 2d.; Land Purchase, £40,833 6s. 8d.	334	8 1	8,099	11 5
Little River Weir	329,635	6 2
Tallangatta Township Removal	11,257	10 5
Advances to State Electricity Commission for the Provision of Electricity Supply to Water Supply Works	74,086	4 1
Lake Corangamite Drainage Project	34,738	17 1
Mountain Areas Water Supply	350,675	7 1
	390,000	0 0
	1,714,337	18 4	7,098,664	5 8	8,813,002	4 0	8,813,002	4 0
	Carried forward ..						8,813,002	4 0

LOAN CAPITAL ACCOUNTS—continued.

B.—STATE WORKS OF WATER SUPPLY.

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

	Totals at 30th June, 1960.		
	£	s.	d.
	8,813,002	4	0
Brought forward ..			
Broken River Works. —Casey's Weir and offtake, with about 59 chains of channel to Broken Creek; Gowangardie Weir with offtake sluice	£	s.	d.
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)	22,682	4	5
Kerang North-West Lakes Works. —Weir on the Loddon River at its confluence with the Pyramid Creek; regulating weirs at the effluence from the Loddon of the Sheepwash and Washpen Creeks; channel from the Washpen Creek regulator to Reedy Lake, Middle Lake, Third Lake, Lake Charm, Racecourse Lake, Cullen's Lake, Kangaroo Lake, and Lake Tutchevop, and to the Little Murray River, with water storage works at these lakes	762,962	9	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	28,144	10	4
Lake Lonsdale Reservoir. —Reservoir at Lake Lonsdale, on the Little Wimmera River, near Ledcourt	233,333	15	4
Loddon River Works. —Laanecoorie Weir, on the Loddon; Bridgewater Weir, on the Loddon; Kinypaniel Weir, on the Loddon	50,207	16	1
Long Lake Pumping Works. —Inlet to Lake Baker, from the Little Murray River; water storage works at Lake Baker and Long Lake, with channel connecting these lakes; pumping plant at Long Lake, with rising main thence about 7 miles to allotment 10M, parish of Kooem; system of main distributary channels, about 85 miles in length	197,970	8	8
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
Carried forward ..			
	1,331,270	15	4
	10,144,272	19	4

LOAN CAPITAL ACCOUNTS—continued.

Totals at 30th June,
1960.

£ s. d.
18,123,217 18 0

Brought forward ..

Name of District.	Loan Capital Liability.						Allotted to District.			Capital Expenditure borne by the State Account.											
	Headworks.			Distributary Works.			Total.			Headworks.			Distributary Works.			Total.					
	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.			
D.—IRRIGATION DISTRICTS.																					
1. Bacchus Marsh ..	83,999	1	5	116,622	17	8	200,621	19	1	..	..	..	83,999	1	5	116,622	17	8	200,621	19	1
2. Campaspe ..	5,001	1	9	67,489	7	2	72,490	8	11	..	..	..	5,001	1	9	67,489	7	2	72,490	8	11
3. Goulburn—Murray ..	39,090,915	2	3	10,062,242	4	8	49,153,157	6	11	..	..	..	39,090,915	2	3	10,062,242	4	8	49,153,157	6	11
4. Macalister ..	686,638	14	11	1,211,495	2	4	4,898,133	17	3	..	..	..	686,638	14	11	1,211,495	2	4	4,898,133	17	3
5. Merbein ..	195,760	0	0	352,110	2	1	548,170	2	1	..	..	..	195,760	0	0	352,110	2	1	548,170	2	1
6. Nyah ..	74,857	0	0	226,689	1	9	301,546	1	9	..	..	..	74,857	0	0	226,689	1	9	301,546	1	9
7. Red Cliffs ..	283,152	0	0	939,604	10	1	1,222,756	10	1	..	..	..	283,152	0	0	939,604	10	1	1,222,756	10	1
8. Robinson ..	..	..	..	1,375,103	4	6	1,375,103	4	6	..	..	..	..	..	..	1,375,103	4	6	1,375,103	4	6
9. Tresco ..	25,960	0	0	135,367	0	9	161,327	0	9	..	..	..	25,960	0	0	135,367	0	9	161,327	0	9
10. Werribee ..	183,857	9	1	235,756	10	9	419,613	19	10	..	..	..	183,857	9	1	235,756	10	9	419,613	19	10
Totals ..	10,630,140	9	5	17,722,780	1	9	58,352,920	11	2	..	..	..	10,630,140	9	5	17,722,780	1	9	58,352,920	11	2

£ s. d.
58,352,920 11 2

D.—IRRIGATION DISTRICTS.

E.—WATERWORKS DISTRICTS.

1. Axe Creek ..	5,074	3	1	5,074	3	1	5,074	3	1	5,074	3	1	5,074	3	1
2. Bellarine Peninsula ..	73,021	2	7	79,136	13	2	79,136	13	2	73,021	2	7	79,136	13	2
3. Brellup ..	130,678	6	0	110,932	16	7	241,611	2	7	130,678	6	0	241,611	2	7
4. East Loddon ..	1,066	19	5	2,363	14	9	3,430	14	2	1,066	19	5	3,430	14	2
5. Harcourt ..	17,594	15	2	17,594	15	2	17,594	15	2	17,594	15	2	17,594	15	2
6. Hindmarsh ..	18,170	5	8	16,848	15	3	35,019	0	11	18,170	5	8	16,848	15	3
7. Kararooc ..	418,260	2	5	249,121	19	3	667,382	1	8	418,260	2	5	249,121	19	3
8. Kerang-North-West Lakes ..	355	13	1	4,963	4	11	4,963	4	11	355	13	1	4,963	4	11
9. Loddon ..	6,710	13	1	7,066	6	2	7,066	6	2	6,710	13	1	7,066	6	2
10. Long Lake ..	265,013	16	6	126,864	15	8	391,878	12	2	265,013	16	6	126,864	15	8
11. Millicewa ..	141,148	0	0	593,850	14	1	734,998	14	1	141,148	0	0	593,850	14	1
12. Mornington Peninsula ..	554,206	2	7	20,267	5	5	574,473	8	0	554,206	2	7	20,267	5	5
13. Normanville ..	2,133	18	10	53,066	6	8	55,200	5	6	2,133	18	10	53,066	6	8
14. Otway ..	448,781	2	4	448,781	2	4	448,781	2	4	448,781	2	4	448,781	2	4
15. Ouyen ..	389,943	18	0	185,872	17	3	575,816	15	3	389,943	18	0	185,872	17	3
16. Sea Lake ..	184,158	17	11	162,768	11	11	346,927	9	10	184,158	17	11	162,768	11	11
17. Tyntynder ..	347,484	6	1	214,170	5	0	561,654	11	1	347,484	6	1	214,170	5	0
18. Tyntynder North ..	105,552	3	1	128,050	11	3	233,602	14	4	105,552	3	1	128,050	11	3
19. Tyrell ..	344,474	16	9	174,514	12	1	518,989	8	10	344,474	16	9	174,514	12	1
20. Tyrell West ..	271,390	2	0	115,319	11	7	386,709	13	7	271,390	2	0	115,319	11	7
21. Upper Western Wimmera ..	117,500	19	5	63,577	16	10	181,078	16	3	117,500	19	5	63,577	16	10
22. Upper Wimmera United ..	185,145	16	8	91,890	4	1	277,336	0	9	185,145	16	8	91,890	4	1
23. Walpeup West ..	35,645	13	6	35,645	13	6	35,645	13	6	35,645	13	6	35,645	13	6

LOAN CAPITAL ACCOUNTS—continued.

Totals at 30th June,
1960.

£ s. d.
85,371,773 9 4

Brought forward ..

Name of District.	Loan Capital Liability.			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.
Brought forward	3,841,525	16	0	5,776,161	2	1	9,617,686	18	1	1,313,457	1	9
43. Lascelles	4,582	1	1	4,582	1	1	..	..	..
44. Leitchville	7,115	10	10	7,115	10	10	..	..	..
45. Leopold	2,002	4	2	2,002	4	2	..	..	..
46. Lockington	7,347	9	6	7,347	9	6	..	..	..
47. Longwarry	7,275	19	8	42,326	13	9	..	..	..
48. Macoma	1,716	19	1	34,855	19	3	7,470	14	6
49. Manangatang	10,049	6	8	1,635	6	3	..	..	..
50. Marnoo	4,318	5	8	2,391	3	11	..	..	..
51. Marong	4,710	10	5	21	11	7	..	..	..
52. Merbein	31,444	18	8	31,260	14	11	..	..	..
53. Meringur	4,568	1	5	4	6	8	..	..	..
54. Minyip	12,903	17	3	11,439	1	8	..	..	..
55. Mitiamo	4,557	6	6	4,557	6	6	..	..	..
56. Mornington	269,376	1	10	481,055	16	6	260,890	13	6
57. Murrabit	1,326	17	2	..	..	..	..	..	..
58. Nandaly	2,661	6	7	2,661	6	7	..	..	..
59. Nar Nar Goon and Tynong	48,531	2	3	57,988	6	11	9,451	4	8
60. Nare Warren	183	12	11	183	12	11	..	..	..
61. Natimuk	5,395	3	7	5,395	3	7	..	..	..
62. Newstead	17,775	5	7	17,763	13	10	..	..	..
63. Nullawill	3,951	14	8	280	16	6	..	..	..
64. Nyah	1,446	18	1	1,446	18	1	..	..	..
65. Nyah West	7,877	10	10	7,292	13	9	..	..	..
66. Officer	15,846	19	8	23,556	9	0	..	..	..
67. Quyen	31,333	9	6	31,333	9	6	7,709	9	4
68. Pakenham	17,016	11	2	57,886	4	6	..	..	..
69. Patchewollock	4,405	1	0	4,405	1	0	65	10	7
70. Piangil	8,530	3	2	8,530	3	2	..	..	..
71. Pimpino	22,541	7	2	7,235	2	11	..	..	..
72. Portarlinton	10,906	5	11	10,906	5	11	29,196	8	11
73. Pyramid Hill	64,172	14	4	155,968	11	2	..	..	..
74. Quambatook	14,193	3	1	14,193	3	1	..	..	..
75. Queenscliff and Point Lonsdale	85,906	18	6	85,457	10	6	..	..	..
76. Rainbow	22,766	12	6	21,427	15	9	6,139	2	4
77. Red Cliffs	14,732	12	1	14,732	12	1	..	..	..
78. Robinvale	10,286	0	11	9,977	9	11	..	..	..
79. Rupanyup	23,760	16	2	28,536	5	5	..	..	..
80. Sea Lake	4,775	9	3	4,525	7	11	..	..	..
81. Somerville	201,400	6	6	452,001	9	11	105,510	6	6
82. South Frankston	88,138	6	9
Totals	85,371,773	9	4	131,345,713	18	1	131,345,713	18	1	5,262,012	12	3

F.—URBAN DISTRICTS—continued.

LOAN CAPITAL ACCOUNTS—continued.

Totals at 30th June,
1960.

£ s. d.
98,413,295 9 7

Brought forward ..

WORKS UNDER GENERAL SUPERVISION OF COMMISSION.

I.—WATERWORKS TRUSTS AND LOCAL GOVERNING BODIES.

	£	s.	d.	£	s.	d.
Waterworks Trusts, First Mildura Irrigation and Local Loan Liability	7,993,902	14	10			
Amounts Written Off and Free Grants to Local Authorities as at 30th June, 1959. (For details see Annual Report for year 1958-59)	4,573,253	13	0			
Under Act 1958, No. 6460, Amounts Transferred to State Account, £31,547 0s. 2d.; Grants to Local Authorities, £578 4s. 1d. ..	32,125	4	3			
Under Act 1959, No. 6566, Amounts Transferred to State Account, £95,527 2s. 5d.; Grants to Local Authorities, £467 0s. 0d. ..	95,994	2	5			
	4,701,372	19	8			

12,695,275 14 6

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J.—RIVER IMPROVEMENT TRUSTS.

River Improvement Trusts and Other Public Authorities pursuant to Part IV. of the <i>River Improvement Act</i> 1948	140,388	6	10			
Amounts Borne by State Account as at 30th June, 1959	772,842	16	1			
Under Act 1958, No. 6460, Amounts Transferred to State Account	20,221	10	9			
Under Act 1959, No. 6566, Amounts Transferred to State Account	74,916	2	3			
	867,980	9	1			

1,008,368 15 11

K.—LATROBE VALLEY.

Works of Water Supply	2,278,337	19	8			
Grand Total Net Loan Liability (Exclusive of Equity in National Debt Sinking Fund)	114,395,277	19	8			

SUMMARY STATEMENT OF LOAN CAPITAL ACCOUNTS AS AT 30th JUNE, 1960.

Reference to Preceding Statements.	Works.	Capital Works and Charges and State Works of Water Supply.			Headworks.			Distributary Works.			Total Loan Capital Expenditure.			Deduct Redemption and Repayments.			Net Loan Capital Liability.			At Debit of Authorities and Borne by Districts.			Capital Expenditure Borne by the State.		
		£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.
A	Capital Works and Charges ..	9,604,170	15	0	..	..	..	..	..	..	9,604,170	15	0	791,168	11	0	8,813,002	4	0	1,714,337	18	4	7,098,664	5	8
B	State Works of Water Supply ..	1,342,097	5	3	..	..	..	..	..	..	1,342,097	5	3	10,826	9	11	1,331,270	15	4	..	..	..	1,331,270	15	4
C	Headworks Costs not yet apportioned ..	..	..	..	..	..	..	..	..	..	8,374,886	4	6	395,941	5	10	7,978,944	18	8	..	..	..	7,978,944	18	8
D	Irrigation and Water Supply Districts ..	..	..	..	..	..	..	..	..	..	60,397,928	13	10	2,045,008	2	8	58,352,920	11	2	..	..	..	58,352,920	11	2
E	Waterworks Districts ..	..	..	..	..	..	..	..	..	..	3,525,171	16	4	3,525,171	16	4	8,895,635	0	2	797,983	6	1	8,097,651	14	1
F	Urban Districts ..	..	..	..	..	..	..	..	..	..	9,154,837	1	1	259,202	0	11	12,009,669	8	4	5,937,081	8	2	6,072,588	0	2
G	Flood Protection Districts ..	..	..	..	..	..	..	..	..	..	12,652,996	3	1	643,326	14	9	784,686	10	10	..	..	..	784,686	10	10
H	Drainage District ..	..	..	..	..	..	..	..	..	..	795,877	6	6	11,190	15	8	247,166	1	1	37,772	6	0	209,393	15	1
		..	..	..	..	..	..	..	..	..	249,191	18	0	2,025	16	11	..	..	..	..	..	..	..	..	..
	Total Works under control of Commission ..	10,946,268	0	3	61,314,281	5	9	30,311,436	1	3	102,571,985	7	3	4,158,689	17	8	98,413,293	9	7	8,487,174	18	7	89,926,120	11	0
I	Waterworks Trusts and Local Governing Bodies..	..	..	..	..	..	..	..	..	..	14,044,571	12	11	1,349,295	18	5	12,695,275	14	6	7,993,902	14	10	4,701,372	19	8
J	River Improvement Trusts ..	..	..	..	..	..	..	..	..	..	1,009,914	6	0	1,545	10	1	1,008,368	15	11	140,388	6	10	867,980	9	1
K	Latrobe Valley ..	..	..	..	..	..	..	..	..	..	2,343,375	6	8	65,037	7	0	2,278,337	19	8	2,278,337	19	8	..	..	..
		..	..	..	..	..	..	..	..	..	119,969,846	12	10	5,574,568	13	2	114,395,277	19	8	18,899,803	19	11	95,495,473	19	9

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, 1960.

		Total.			Water Supply.			State Development Account.		
		£	s.	d.	£	s.	d.	£	s.	d.
Net Loan Liability as per Treasurer's Finance Statement (page 87) Expenditure on Account of Loans from Treasurer's Advance	..	104,860,865	2	5	18,207,565	7	5	86,653,299	15	0
	..	108,346	9	0	105,701	17	2	2,644	11	10
Add—		124,147	8	6	..	..	..	124,147	8	6
Cost of Geelong Works. "Finance" (page 88) ..		..	..	..	..	..	..	..	..	..
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 87). (These amounts not credited to Districts and Works excepting recoup contributions shown below) ..		10,254,873	4	4	1,580,296	18	9	8,674,576	5	7
National Debt Sinking Fund contributions in respect of Geelong Works. "Finance" (page 88) ..		40,805	18	10	..	..	..	40,805	18	10
Less—		115,389,038	3	1	19,893,564	3	4	95,495,473	19	9
Redemption recoup contributions paid into Consolidated Revenue by Commission Districts and Works, Waterworks Trusts, &c. ..		993,760	3	5	993,760	3	5	..	..	..
Totals of amounts at debit of Authorities and Districts and the Capital Expenditure Borne by the State Account in the books of the Commission ..		114,395,277	19	8	18,899,803	19	11	95,495,473	19	9

CONTRACTS.

STATEMENT OF CONTRACTS ENTERED INTO DURING THE YEAR ENDED 30TH JUNE, 1960.

No.	Name of Contractor.	Work and Supply.	Amount.
			£
3509	A. E. Goodwin Ltd.	Supply and erection of steel tanks—Sorrento ..	73,922
3510	Jack Legge Pty. Ltd.	Construction of Reservoir—Tynong	6,747
3511	C. V. McDonald	Construction of Levee Banks—Beattie Depression Floodway ..	15,070
3512	Wilkin and Son	Erection of residences—Kerang (terminated) ..	10,000
3513	Dalton Constructions Pty. Ltd.	Dismantling, transporting and re-erection of steel tanks—Mornington Peninsula ..	1,255
3514	Roche Bros. Pty. Ltd.	Earthworks and laying of pipes—Mornington Peninsula ..	36,997
3515	Herbert Bros.	Construction of Central Goulburn Channel—Tatura ..	16,120
3516	W. R. and E. Crawford	Erection of residence—Loddon Weir	3,750
3517	Gumley and Cain	Erection of residence—Kerang	4,100
3518	Gumley and Cain	Erection of residence—Kerang	4,100
3519	Riverine Constructions	Erection of residence—Kerang	3,400
3520	Thompsons (Castlemaine) Ltd.	Supply of Pumping Plant—Newlyn Reservoir ..	9,565
3521	A. Jankovic	Erection of residence—Rochester	3,564
3522	Building and Engineering Constructions (Aust.) Pty. Ltd.	Erection of Central Office Building—Toorak (terminated) ..	436,259
3523	J. A. Chapman	Earthworks and laying of pipes—Anglesea	3,123
3524	H. C. Taylor	Erection of residence—Elphinstone	3,368
3525	A. Jankovic	Erection of residence—Maffra	3,772
3526	C. R. Keath Earthmoving Co. Pty. Ltd.	Raising of North Bank—Carrum Outfall	4,373
3527	S. Haunstrup and Co. Pty. Ltd.	Construction of Kananook Creek Outfall—Carrum Drainage District ..	91,635
3528	Roche Bros. Pty. Ltd.	Raising of North Bank—Carrum Outfall	25,132
3529	Riekey Bros.	Construction of Gnarpurt—Corangamite Channel ..	7,685
3530	D. J. Osborn	Installation of Septic Tanks—Tatura	976
3531	W. and M. Flynn Bros.	Erection of Pumphouse—Newlyn Reservoir ..	4,049
3532	A. L. and B. G. Pearce	Construction of earthen storage—Quambatook ..	2,283
3533	Riverine Constructions	Erection of residence—Kerang	3,610
3534	Maskell and Gribben	Supply and delivery of concrete aggregate—Goulburn Remodelling Project ..	4,489
3535	T. J. Nevett	Supply and delivery of concrete aggregate—Goulburn Remodelling Project ..	1,211
3536	Riverine Constructions	Erection of residence—Sea Lake	4,050
3537	A. Jankovic	Erection of residence—Cohuna	4,577
3538	R. L. Harris	Erection of residence—Red Cliffs	4,265
3539	B. M. Everett	Construction of earthen storage—Hopetoun ..	7,348
3540	Loft Constructions	Earthworks and laying of pipes—Newlyn—Wombat ..	30,271
3541	James Mitchell and Sons	Extensions to District Office—Rochester	10,544
3542	K. J. Hone Pty. Ltd.	Excavation of Outlet Tunnel—Eppalock Dam Project ..	42,262
3543	Davey, McGregor and Grabasch	Erection of Mess Building—Eppalock Dam Project ..	4,873
3544	C. R. Ballinger and Sons	Erection of residence—Murra Warra	3,994
3545	J. L. Court	Extensions to District Office—Kerang	8,862
3546	Keigh G. Hooker Pty. Ltd.	Completion of Central Office Building—Toorak ..	356,078
3547	Electric Control and Engineering Pty. Ltd.	Supply of Switchboard and Wiring—Newlyn Pumping Station ..	3,110
			1,260,789

ESTIMATES, 1960-61.

PROPOSED DISBURSEMENTS.

	Estimated Requirements.	Amount Provided in Budget.
	£	£
Salaries and Payments in the nature of Salary*	1,964,556	1,885,000
General Expenses*	530,000	522,000
Coliban Works	73,000	68,000
Irrigation Districts	1,179,000	870,000
Waterworks Districts.. .. .	536,000	420,000
Flood Protection and Carrum Drainage	42,500	42,000
Removal of Sand Drift	100,000	80,000
River Murray Works—Contribution by State	91,000	75,000
Subsidies to Waterworks Trusts and Local Governing Bodies to enable a Reduction of 33½ per cent, to be made in Water Rates	600	600
Subsidies to Waterworks Trusts, Local Governing Bodies and River Improvement Trusts where Interest is in excess of 3 per cent, on Loans raised under Act No. 6413 ..	25,000	20,000
Subsidies to Waterworks Trusts and Local Governing Bodies to limit the maximum Water Rate to 3s. 6d. in the Pound, N.A.V.	5,000	5,000
Totals—Water Supply	4,546,656	3,987,600
Assistance to certain Sewerage Authorities where works were suspended and are still under construction	500	500
Subsidies to Sewerage Authorities in cases where the interest paid on capital liability is in excess of the rate of 3 per cent.	150,000	150,000
	4,697,156	4,138,100

* To be apportioned over the Districts and Works.

ESTIMATED RECEIPTS.

	Amount Provided in Budget.
	£
Coliban Works	175,000
Irrigation, Districts	1,420,000
Waterworks Districts	950,000
Flood Protection and Carrum Drainage Districts	58,000
Sewerage Districts	7,000
Other	225,000
Recoup on account of amounts paid from Revenue in connexion with River Murray Commission, Loan Works, &c.	915,000
Sub-Total	3,750,000
Add estimated Receipts to meet Interest and Redemption—	£
Waterworks Trusts and other Corporations	335,000
Plant and Machinery, and Land	65,000
	400,000
Totals—Water Supply	4,150,000

Estimated amount available from Revenue of Commission—

“Paying” Districts to meet Interest £150,000.

APPENDIX A

VICTORIAN WATER SUPPLY STATISTICS.

AREA—

1959-60.

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	18,370* square miles = 11,757,000* acres
Area of Irrigation Districts and other lands supplied for irrigation (See Appendix C)	2,550,100* acres
Area Irrigated (See Appendix C)	1,052,782 acres
Area within Flood Protection Districts	148,910* acres
Area within Drainage District	18,250* 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 (See Appendix G)—

Number of large reservoirs	38
Number of subsidiary reservoirs and service basins	259
Total capacity of storages, 1,428,700 million gallons = 5,247,748* acre feet.	

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

Channels—Length—

Irrigation	5,183 miles
Domestic and Stock	8,035 miles
Drainage and Flood Protection	2,470 miles
Total	15,688 miles

Pipe Lines—Length—

Mains	238 miles
Reticulation	1,061 miles
Total	1,299 miles

Tanks—Excavated—

Number in Wimmera-Mallee Waterworks Districts	260 tanks
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Bores—

Number in Waterworks Districts	39 bores
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Water Deliveries—

Quantity water delivered for irrigation (see Appendix B)	1,527,679 acre feet
--	---------------------

RURAL DISTRICTS—

Administered by Commission—

	Number of Districts.	Number of Assessments.	Population.
Irrigation Districts	10	16,822	45,345
Waterworks Districts (including rural lands, Coliban System)	31	21,694	63,430
Flood Protection Districts	4	1,740* (51)	4,241* (30)
Drainage District	1	6,200	7,000
Totals	46 districts	46,456 assessments	120,016 persons

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

URBAN SUPPLY—

Towns with reticulated pipe supplies for domestic and industrial purposes—

	Number of Towns.	Population.
Administered by Commission	131	197,890 persons
" " Waterworks Trusts	163	425,848
" " Local Governing Bodies	17	108,440 "
Totals	311 towns	732,178 persons

SEWERAGE—

Controlled by Local Authorities supervised by Commission

Number of Towns.		Population.
39 (Systems operating)	..	403,750 persons
28 (Systems not operating)	..	78,700 "
<hr/>		
67 towns	.. ..	482,450 persons

CAPITAL LIABILITY FOR WATER SUPPLY—

Total to 30th June, 1960—

(a) Borne by the State	£95,495,474
(b) Borne by the Districts	£18,899,804
Total	£114,395,278

APPENDIX B. RETURN OF WATER DELIVERED FOR IRRIGATION. YEAR 1959-60.

Name of District, Area, etc.	Water Assignment Measured at District Boundaries.	Gross Supply 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 and Natural Streams.
				Under Water Rights.	Sales of Water.	Domestic and Stock Purposes.				
GOULBURN-LODDON 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	14,151	8,844	7,830	2,452	375	10,657	230	10,887	..
Shepparton	51,000	48,430	22,319	20,378	6,133	679	27,190	738	27,928	..
North Shepparton	44,000	(c) 67,708	15,875	14,548	22,390	1,232	38,170	..	38,170	960
Katandra	13,000	23,044	9,977	9,563	3,913	487	13,963	231	14,194	..
Totals	120,000	153,333	57,015	52,319	34,888	2,773	89,980	1,199	91,179	960
(Western.)										
Rodney	232,000	313,191	71,007	71,007	95,053	(b) 4,289	170,349	(a) 1,155	171,504	..
Tongala-Stanhope	116,000	140,968	49,012	48,719	36,644	2,490	87,853	725	88,578	..
Deakin	23,000	21,280	7,660	7,069	6,468	810	14,347	..	14,347	..
Rochester	147,000	165,800	58,400	57,969	51,140	3,448	112,557	(b) 1,314	113,871	270
Dingee	9,000	9,576	4,522	4,485	3,569	283	8,337	(b) 145	8,482	..
Calivil	21,000	25,504	7,940	7,735	10,405	758	18,898	10	18,908	665
Tragowel Plains	97,000	110,997	31,731	31,242	27,973	2,227	61,442	(b) 168	61,610	..
Boort	35,000	51,883	19,886	19,702	10,399	1,156	31,257	502	31,759	..
Loddon	(i)	620	..	..	139	284	423	..	423	..
East Loddon	(i)	1,181	..	..	129	879	1,008	..	1,008	..
West Loddon	(i)	10,000	..	..	7,681	662	8,343	..	8,343	..
Totals	680,000	851,000	250,158	247,928	249,600	17,286	514,814	4,019	518,833	935
Goulburn Grand Totals	800,000	1,004,333	307,173	300,247	(f) 284,488	20,059	604,794	5,218	610,012	1,895
MURRAY SYSTEM—										
(Yarrawonga Weir.)		(d)			(g)					
Murray Valley	276,000	313,844	96,539	92,528	92,605	5,547	190,680	619	191,299	..
(Torrumberry Weir.)										
Cohuna	122,000	155,724	49,447	48,125	26,262	2,520	76,907	(b) 83	76,990	..
Koondrook	70,000	79,107	24,622	24,601	13,875	764	39,240	78	39,318	..
Kerang	71,000	59,688	21,515	21,453	15,928	1,123	38,504	341	38,845	..
Third Lake	6,000	9,462	2,513	2,510	1,119	9	3,638	15	3,653	..
Mystic Park	7,000	7,832	2,754	2,394	1,488	127	4,009	31	4,040	..
Tresco	8,000	5,038	3,636	2,708	..	44	2,752	..	2,752	..
Fish Point	5,000	4,181	1,845	1,845	478	169	2,492	..	2,492	..
Swan Hill	63,000	57,456	25,758	21,950	9,288	1,650	32,888	362	33,250	..
Pental Island Private Diversions .. .. .	..	..	..	..	..	..	..	..	..	4,655
Kerang Private Diversions .. .. .	..	..	..	..	..	..	..	..	..	1,787
Kerang N.-W. Lakes Private Diversions .. .. .	..	..	..	..	..	..	..	..	..	5,758
Upper Gunbower Ck. Private Diversions .. .. .	..	..	..	..	..	..	..	..	..	9,690
Lower Gunbower Ck. Private Diversions .. .. .	..	..	..	..	..	..	..	..	..	10,936
Taylor's Creek Private Diversions .. .. .	..	..	..	..	..	..	..	..	..	2,320
Kow Swamp Private Diversions .. .. .	..	..	..	..	..	..	..	..	..	3,376
Pyramid Creek Private Diversions .. .. .	..	..	..	..	..	..	..	..	..	4,227
Torrumberry Weir Totals	352,000	378,488	132,090	125,586	68,438	6,406	200,430	910	201,340	42,749
(Pumped from River—Commission.)										
Nyah	12,000	10,277	7,133	6,722	339	103	7,164	(b) 119	7,283	..
Robinvale	21,000	16,047	13,874	11,233	..	..	11,233	..	11,233	..
Red Cliffs	50,000	36,301	34,322	30,944	499	..	31,443	(b) 581	32,024	..
Merbein	33,000	31,542	23,867	23,476	1,433	..	24,909	1,924	26,833	..
Totals	116,000	94,167	79,196	72,375	2,271	103	74,749	2,624	77,373	..
First Mildura Trust	(i)	49,464	46,095	33,496	15,000	176	48,672	91	48,763	..
Murray Grand Totals	74,400	835,963	353,921	323,985	178,314	12,232	514,531	4,244	518,775	42,749
CAMPASPE SYSTEM—										
Coliban .. .. .	..	25,289	..	..	(e) 6,994	(b) 9,156	16,150	..	16,150	..
Campaspe	(i)	2,137	..	..	913	188	1,101	..	1,101	..
Totals .. .. .	..	27,426	..	..	7,907	9,344	17,251	..	17,251	..
WERIBEE SYSTEM—										
Bacchus Marsh	(i)	8,657	3,307	3,173	3,080	..	6,253	(b) 605	6,858	..
Weribee	12,000	16,509	8,147	8,132	2,379	..	10,511	(b) 285	10,796	..
Totals	12,000	25,157	11,454	11,305	5,459	..	16,764	890	17,654	..
MACALISTER SYSTEM—										
Macalister	(i)	161,583	57,448	49,376	28,444	2,703	80,523	711	81,234	..
WIMMERA SYSTEM—										
Quantong, Riverside, Burnlea, Haven, &c. .. .. .	..	17,499	..	..	12,649	..	12,649	..	12,649	..
PRIVATE DIVERSIONS (not included above)	..	..	..	..	..	..	..	..	..	225,460
GRAND TOTALS	(j) 1,556,000	2,071,961	729,995	684,913	517,261	44,338	1,246,512	11,063	1,257,575	270,104
									1,527,679	

(a) Includes Waterworks Trust; (b) Includes Urban Districts; (c) Includes 1,794 acre feet outfall to Broken Creek; (d) Includes 12,282 acre feet outfall to Broken Creek; (e) Includes 594 acre feet for mining; (f) Includes 178,375 acre feet supplementary sales and 7,772 acre feet "out of season" sales; (g) Includes 66,305 acre feet supplementary sales; (h) Includes 22,793 acre feet supplementary sales and 12,450 acre feet "out of season" sales; (i) Not expressed in acre feet; (j) Not including Campaspe, Bacchus Marsh, Macalister, Mildura, Loddon, East Loddon and West Loddon.

Total supplementary supply to Wimmera-Mallee for period 1st July, 1959, to 30th June, 1960 :—

	Acre feet.
From Waranga Western Channel	10,212
From Loddon River	10,812
Total	21,024

APPENDIX C.

LANDS UNDER IRRIGATED CULTURE.

EXTENT OF IRRIGATION AND AREAS WATERED—1959-60.

Name of District, Area, &c.	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 (Acres-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.	Perennial.				
GOULBURN-LODDON SYSTEM.														
Katandra	13,965	12,608	9,977	8,482	181	..	..	..	2,902	5,389	..	..	10
North Shepparton	124,335	62,961	15,875	35,656	813	1,209	466	955	25,041	5,435	14	1,650	18	
Shepparton	23,958	23,176	22,319	18,383	91	52	87	535	2,400	4,973	114	9,191	884	
South Shepparton	33,817	21,721	8,844	10,604	120	347	122	152	7,454	1,961	2	303	138	
Rodney	273,573	190,130	71,007	125,654	1,225	8,457	1,396	1,068	45,920	56,803	121	8,449	2,113	
Tongala-Stanhope	76,123	47,559	49,012	50,314	382	297	54	648	17,491	30,813	..	433	42	
Rochester	181,768	57,014	58,400	80,637	804	2,170	230	1,773	37,747	37,015	3	587	158	
Finke	8,888	4,456	4,522	4,728	..	..	..	70	1,463	3,157	..	..	30
Calivil	61,140	32,532	7,940	17,892	1,159	401	456	1,188	9,439	5,117	..	..	52
Tragowel Plains	218,214	148,794	31,731	72,079	6,262	533	3,087	11,575	36,155	12,652	..	..	2
Deakin	161,022	21,084	7,660	11,391	195	271	154	110	7,486	3,117	..	20	18	
Boort	80,220	52,301	19,886	29,794	3,507	1,530	1,213	3,843	14,124	2,281	..	..	3,296
East Loddon .. .. .	..	..	..	1,176	..	172	..	54	938	12	..	..	..
Loddon .. .. .	..	..	..	116	..	..	..	..	116	..	..	..	..
West Loddon .. .. .	..	..	..	9,024	1,050	1,526	300	1,189	2,061	272	..	..	2,626
Totals	1,257,023	674,336	307,173	475,930	15,789	16,965	7,573	23,160	210,740	168,997	254	20,633	3,427	
RIVER MURRAY SYSTEM.														
(a) Torrumbarry Weir.														
Coluna	85,291	44,732	49,447	63,876	585	391	464	11,795	13,650	36,422	..	1	2	
Koondrook	88,164	24,572	24,622	50,005	1,427	393	1,525	5,310	34,999	5,465	..	507	43	
Swan Hill	37,199	22,235	25,758	26,123	240	890	80	1,540	6,916	11,390	2,870	446	1,442	
Third Lake	11,484	3,771	2,513	4,408	298	241	39	20	3,707	101	2	..	..
Mystic Park	19,266	8,039	2,754	6,821	337	360	60	1,235	3,585	493	40	..	711	
Tresco	4,649	1,768	3,636	1,506	..	30	..	..	8	..	1,276	46	40
Fish Point	6,327	3,756	1,845	3,247	112	86	100	1,526	1,258	165	..	..	..
Kerang	88,606	55,762	21,515	37,364	1,659	908	1,157	8,747	18,902	5,179	..	..	812
Kerang-North-West Lakes .. .. .	..	..	..	7,624	455	488	152	1,068	4,708	197	45	388	1
Private Diversions .. .. .	..	..	..	37,529	1,473	1,350	80	967	19,517	12,859	38	180	45
Totals	340,986	164,635	132,090	238,503	6,586	5,137	3,657	32,208	107,250	72,271	4,271	1,568	1,573	
(b) Yarrawonga Weir.														
Murray Valley	267,810	207,099	96,539	109,958	1,936	8,095	414	2,029	59,001	32,651	13	5,253	450	
(c) Pumping from River—Commission.														
Nyah	3,832	2,599	7,133	3,255	45	110	5	505	110	200	2,006	162	109	
Red Cliffs	13,601	11,298	34,322	11,784	..	50	..	50	..	47	10,920	580	137	
Merbein	9,225	7,675	23,867	8,363	..	107	14	27	90	132	7,127	848	18	
Robinvale	9,078	5,550	13,874	4,538	..	..	..	..	..	..	4,014	524	..
Totals	35,736	27,122	79,196	27,940	45	267	19	582	200	379	24,067	2,114	264	
(d) First Mildura Trust														
.. .. .	45,000	15,000	46,095	13,722	..	202	190	..	..	..	12,045	710	..
River Murray System Totals	689,532	413,856	307,825	390,123	8,567	13,701	4,280	34,819	166,451	105,301	40,396	9,645	2,296	
OTHER NORTHERN SYSTEMS.														
Coliban .. .. .	..	11,000	..	7,532	57	167	..	632	641	2,643	5	2,967	420
Campaspe	19,735	..	..	1,607	362	312	..	387	196	334	..	..	12
Western Wimmera .. .. .	..	5,755	..	5,755	..	686	..	..	..	4,322	..	565	182
Wimmera United .. .. .	..	1,172	..	936	..	283	..	..	..	648	..	..	5
Totals	19,735	17,927	..	15,830	419	1,448	..	1,019	837	7,947	5	3,532	619	
SOUTHERN SYSTEMS.														
Bacchus Marsh	6,688	3,296	3,307	3,682	3	324	..	1,636	..	753	..	303	616	
Werribee	9,688	8,149	8,147	8,421	40	406	..	..	..	3,752	..	258	3,340
Mafra-Sale	75,453	46,209	33,328	30,755	28	185	477	1,361	874	27,768	..	..	8
Central Gippsland	57,423	36,646	24,120	24,018	201	893	246	1,501	973	19,994	..	..	300
Mornington Peninsula .. .. .	..	..	..	1,031	..	..	..	..	..	..	..	..	910
Bellarine Peninsula .. .. .	..	..	..	286	..	..	..	..	..	..	..	..	204
Totals	149,252	94,300	68,902	68,193	272	1,718	723	4,498	1,847	52,267	..	561	5,078	
PRIVATE DIVERSIONS.														
Total Private Diversions (excluding Torrumbarry System) .. .. .	..	..	..	102,706	1,379	7,866	1,307	9,844	2,239	57,642	3,123	5,241	9,208
Grand Totals 1959-60	2,115,542	1,200,419	729,905	1,052,782	26,426	41,698	13,883	73,340	382,114	392,154	43,778	39,612	20,628	
Grand Totals 1958-59	2,113,055	1,187,524	721,755	965,766	9,436	38,752	15,228	72,902	360,627	356,324	44,267	35,349	18,595	

AREAS IRRIGATED—1955-56 TO 1959-60—ACRES.

Source of Supply.	1955-56.	1956-57.	1957-58.	1958-59.	1959-60.
Goulburn and Loddon Systems	252,727	374,401	448,694	429,417	475,930
River Murray System	245,312	329,018	374,626	349,607	390,123
Other Northern Systems	12,816	14,281	14,055	15,317	15,830
Southern Systems	43,472	53,789	63,475	69,837	68,193
Private Diversions (excluding Torrumbarry System)	80,007	83,693	100,950	101,588	102,706
Totals	634,334	855,182	1,001,800	965,766	1,052,782

APPENDIX D.

WATER DELIVERED TO DOMESTIC AND STOCK SYSTEMS, 1959-60.

Districts.							Quantity.†	Total.
							Acre feet.	Acre feet.
Wimmera-Mallee System—								
Rocklands System	..	..	..	..	..	..	22,778	
Wimmera River and Storages	..	..	..	..	..	..	52,617	
Loddon and Goulburn Water	..	..	..	..	..	..	16,370	
								91,765*
Goulburn and Loddon—								
Normanville (Loddon and Goulburn)	..	..	..	..	..	..	2,946	
West Loddon (Loddon and Goulburn)	..	..	..	..	..	..	10,000‡	
East Loddon (Goulburn)	..	..	..	..	..	..	1,181‡	
Loddon (Loddon)	..	..	..	..	..	..	620‡	
								14,747
River Murray—								
Millewa (Cullulleraine Pump)	..	..	..	..	..	..	6,740	
Tyntynder North (Robinvale Pump)	..	..	..	..	..	..	1,020	
Millewa (Yelta Area)	..	..	..	..	..	..	2,352‡	
Millewa (Carwarp Area)	..	..	..	..	..	..	1,335	
								11,447
Grand Total							.. ..	117,959

* Detailed statement of Wimmera-Mallee System hereunder.
† Measured at headworks or pumping stations.
Includes sales of water for irrigation.

WIMMERA-MALLEE DOMESTIC AND STOCK SUPPLY SYSTEM.

WATER SUPPLIED FROM HEADWORKS.

Ye r.		Rocklands System.	Lake Lonsdale and Fyans Lake. Acre Feet, Gauged at Glenorchy.	Wimmera River. Acre Feet, Gauged at Glenorchy.	Taylor's, Pine, and Wartook Lakes. Acre Feet, Gauged at Outlets.	Waranga Western Channel. Acre Feet, Gauged at Avoca River.	Total.	Rainfall.	
								Wartook.	Hopetoun.
							Acre feet.	Inches.	Inches.
1953	.. ..	..	9,550	17,681	29,661	18,940	75,837	42·24	13·87
1954	.. ..	..	28,243	8,650	48,737	18,900	104,530	31·27	15·43
1955	.. ..	..	964	6,634	30,243	20,230	58,071	42·51	19·21
1956	.. ..	..	..	6,038	15,043	14,810	35,891	43·92	19·00
1957	.. ..	..	26,929	4,834	58,060	25,910	115,733	28·77	10·06
1958	.. ..	..	3,553	12,918	39,307	19,333	75,111	40·37	16·69
1959	.. ..	22,778	11,837	4,130	36,650	16,370	91,765	31·42	9·01

WIMMERA-MALLEE AND RIVER MURRAY DOMESTIC AND STOCK SUPPLY SYSTEMS.

PERIODS OF ANNUAL WATERINGS.

District.	Year.	Commenced.	Completed.	Days.
Wimmera-Mallee {	1956	23.4.56	1.10.56	162
	1957	24.4.57	7.3.58	318*
	1958	1.4.58	26.11.58	240
	1959	5.4.59	20.12.59	259
Tyntynder North (formerly Coreena) {	1956	16.7.56	12.8.56	28
	1957	9.7.57	2.8.57	25
	1958	12.7.58	5.8.58	25
	1959	7.7.59	11.8.59	35
Millewa (Millewa Section) {	1956	4.7.56	1.9.56	59
	1957	8.7.57	7.9.57	62
	1958	1.7.58	28.8.58	59
	1959	6.7.59	14.9.59	70
Millewa (Carwarp Section) {	1956	29.7.56	17.8.56	20
	1957	29.7.57	14.8.57	17
	1958	21.7.58	8.8.57	18
	1959	3.8.59	21.8.59	19
Millewa (Yelta Section) {	1956	{ 5.9.56	{ 14.9.56	22
	1957	{ 18.9.56	{ 1.10.56	
	1957	{ 2.9.57	{ 28.9.57	27
	1958	{ 9.9.58	{ 3.10.58	25
	1959	{ 2.9.59	{ 18.9.59	21
		{ 29.10.59	{ 2.11.59	

*Watering delayed because of interruption to flow in Waranga Western Channel.

APPENDIX E.

DETAILS OF IRRIGATIONS, PUMPING DISTRICTS.

RED CLIFFS.

Irrigation Number.	Period.					Acre Feet Pumped.	Equivalent Average Depth per Watering.
							Inches.
1	24th August to 20th September, 1959					8,066	8·4
*2	5th November to 28th November, 1959					6,821	7·2
3	7th December to 29th December, 1959					6,599	6·8
*4	14th January to 4th February, 1960					6,230	6·8
5A	{	17th March to 31st March, 1960				7,059	8·1
5B		1st April to 10th April, 1960					
*6		28th April to 29th April, 1960				742	6·0
		5th May to 6th May, 1960					
	Total					35,517	7·2

* Interrupted owing to rain.

(Figures do not include a run-through for 310 acres after the first irrigation, and a special irrigation 26th to 28th February, 1960, of 410 acre feet.)

MERBEIN.

Irrigation Number.	Period.					Acre Feet Pumped.	Equivalent Average Depth per Watering.
							Inches.
1	2nd September to 26th September, 1959					5,925	8·3
2	28th October to 17th November, 1959					4,766	6·5
3	30th November to 19th December, 1959					4,885	6·7
4	29th December, 1959, to 16th January, 1960					4,430	6·3
5	26th January to 12th February, 1960					4,317	6·4
6A	{	7th March to 13th March, 1960				973	7·1
6B		23rd March to 11th April, 1960				4,875	7·5
	Total					30,171	7·0

(Figures do not include special irrigation from 7th to 11th August, 1959, of 493 acre feet.)

NYAH.

Irrigation Number.	Period.							Acre Feet Pumped.	Equivalent Average Depth per Watering.
									Inches.
1		31st August to 22nd September, 1959	..	..	..	..		1,958	7·8
*2	{	28th October to 28th October, 1959	..	..	..	..	}	1,821	7·7
		9th November to 28th November, 1959	..	..	..	..
3		3rd December to 21st December, 1959	..	..	..	..		1,572	6·6
*4	{	29th December, 1959, to 4th January, 1960	..	..	..	..	}	1,448	6·7
		18th January to 28th January, 1960	..	..	..	..
5		28th January to 15th February, 1960	..	..	..	..		1,472	6·4
6		30th March to 18th April, 1960	..	..	..	..		1,536	7·4
		Total	..	..	..	..		9,807	7·2

* Interrupted owing to rain.

(Figures do not include out-of-season irrigation from 8th to 10th July, 1959, of 191 acre feet, a special domestic and stock run from 28th to 29th November, 1959, of 31 acre feet, and a special irrigation from 10th to 13th March, 1960, of 279 acre feet.)

ROBINVALE.

Irrigation Number.	Period.					Acre Feet Pumped.	Equivalent Average Depth per Watering.
							Inches.
1	26th August to 31st September, 1959	..	..	..	..	3,700	9.5
2	28th October to 12th November, 1959	..	..	..	..	1,726	4.4
3	25th November to 19th December, 1959	..	..	..	..	2,791	7.0
*4	29th December, 1959, to 4th January, 1960	..	..	..	..	2,687	8.0
	8th January to 8th January, 1960	..	..	..	..
	12th January to 26th January, 1960	..	..	..	..
5	27th January to 13th February, 1960	..	..	..	..	2,375	6.1
6	5th April to 24th April, 1960	..	..	..	..	2,407	6.2
	Total	..	..	..	..	15,686	6.8

* Interrupted owing to rain.

(Figures do not include special irrigations from 2nd to 4th July, 1959, of 101 acre feet, and from 8th to 11th March, 1960, of 267 acre feet.)

APPENDIX F.

COLIBAN SYSTEM—WATER DELIVERIES.

Year.	Inflow to Storages.			Output from Storages.	Delivered to Users.	Percentage Efficiency.
	From Coliban River.	Through Ashbourne Diversion Channel from Campaspe River to Coliban River.	Total.			
	acre feet.	acre feet.	acre feet.	acre feet.	acre feet.	acre feet.
1953-54	61,882	741	62,623	28,237	18,799	67
1954-55	45,933	664	46,597	25,586	17,821	70
1955-56	107,192	2,620	109,812	25,597	18,102	71
1956-57	88,600	2,600	91,200	30,666	19,710	64
1957-58*	18,094	827	18,921	21,109	13,865	66
1958-59	73,664	1,536	75,200	27,074	19,092	71
1959-60*	42,315	2,200	44,515	25,289	16,150	64

* Restrictions as set out in Report.

APPENDIX G.

COMMISSION AND RIVER MURRAY STORAGES.

Storage.					Full Supply Reduced Level.	Capacity.	
					Feet.	Acre feet.	Acre feet.
<i>Goulburn System—</i>							
Eildon	..	..	..	..	950.00	2,750,000	
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	3,104,100
<i>Murray-Loddon System—</i>							
		Capacity in					
		Acre feet.					
Hume Reservoir	..	1,800,000	..		621.30 (a)	1,011,420	
Yarrawonga Weir	..	95,120	..		412.80 (b)		
Torrumbarry	..	28,900	..		285.00 (c)		
Euston	..	31,320	..		159.00 (c)		
Mildura	..	29,360	..		116.00 (c)		
Wentworth	..	38,140	..		104.15 (c)		
		2,022,840					
Kow Swamp	..	..	..	..	272.00	40,869	
Cairn Curran	..	..	..	..	684.50	120,600	
Tullaroop (2,200 acre feet below gravitation level)	..	..	..	..	733.00	60,000	
Laanecoorie	..	..	..	..	527.00	6,300	
<i>Kerang North-West Lakes—</i>							
Third, Middle, Reedy,					244.75	69,400	
Kangaroo, Racecourse, Charm,					241.00		
Cullens					240.25		
Lake Boga (23,750 acre feet below gravitation level)	..	..	..	..	226.50	29,650	
Lake Cullulleraine	..	..	..	..	101.00	2,000	1,340,230
<i>Wimmera-Mallee System—</i>							
Rocklands	..	..	..	..	644.00	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)	..	..	..	..	618.00	53,300	
Wartook (700 acre feet below gravitation level)	..	..	..	..	1,451.00	23,800	
Taylors 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 Whitton	..	..	..	..	375.00	1,300	
Township Reservoirs and Mallee Tanks	..	..	..	..	..	5,030	538,900
<i>Maffra-Sale System—</i>							
Glenmaggie	..	..	..	..	256.00	154,300	
Service Basins (Stratford, Heyfield)	..	..	..	..	..	40	154,340
<i>Coliban System—</i>							
Upper Coliban	..	..	..	..	1,652.00	25,700	
Lauriston	..	..	..	..	1,574.20	16,000	
Malmsbury	..	..	..	..	1,477.00	14,400	
Spring Gully	..	..	..	..	899.00	2,000	
Subsidiary Reservoirs	..	..	..	..	..	4,630	62,730
<i>Verribee System—</i>							
Pykes Creek	..	..	..	..	1,306.00	19,400	
Melton	..	..	..	..	273.00	15,500	34,900
<i>Mornington Peninsula System—</i>							
Lysterfield	..	..	..	..	221.50	3,400	
Beaconsfield	..	..	..	..	340.00	740	
Frankston	..	..	..	..	255.00	660	
Mornington	..	..	..	..	244.00	260	
Bittern	..	..	..	..	250.00	480	
Service Basins	..	..	..	..	..	260	5,800
<i>Otway System—</i>							
Service Basins	..	..	..	..	..	..	1,080
<i>Miscellaneous—</i>							
Eppalock	..	..	..	..	530.00	1,200	
Wonthaggi	..	..	..	..	238.00	1,550	
Wonthaggi Service Basins	..	..	..	..	..	10	
Newstead	..	..	..	..	806.00	48	
Hepburn's Lagoon	..	..	..	..	1,696.60	1,730	
Newlyn	..	..	..	..	1,738.50	880	
Little River Weir	..	..	..	..	..	180	
Moorabool River Weirs	..	..	..	..	..	70	5,668
Available capacity of storages at 30th June, 1960					..	..	5,247,748
ADDITIONAL CAPACITY AVAILABLE FROM WORKS UNDER CONSTRUCTION.							
Hume Reservoir to 2,500,000 acre feet (half share to Victoria)	..	..	..	..	636.00	350,000	
Eppalock Reservoir to 250,000 acre feet	..	..	..	..	637.00	248,800	
Newlyn Reservoir to 2,700 acre feet	..	..	..	..	1,750.00	1,820	
Hepburn's Lagoon to 2,300 acre feet	..	..	..	..	1,720.00	570	601,190
TOTAL CAPACITY WHEN WORKS ARE COMPLETED					..	..	5,848,938

(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.
Subject to certain obligations to South Australia.

APPENDIX “ H ”.

AUTHORIZED DIVERSIONS.

A.—NUMBERS AUTHORIZED.

Purpose of Diversion.	Licences.	Permits.	Agreements.	Total, 1959-60.	Total, 1958-59.
Domestic and Stock	3	1,934	Nil	1,937	1,684
Industrial	5	142	Nil	147	162
Irrigation	1,266	2,798	430	4,494	4,036
Total	1,274	4,874	430	6,578	5,882

B.—AREAS AUTHORIZED TO BE IRRIGATED—ACRES.

	Licences.	Permits.	Agreements.	Total.
Cereals	1,120	549	..	1,669
Lucerne	6,979	3,530	210	10,719
Sorghum and Other Annual Fodder Crops ..	1,083	518	1,370	2,971
Pastures—				
Native	7,105	4,025	..	11,130
Annual	7,032	..	10,602	17,634
Perennial	28,637	36,146	6,800	71,583
Vineyards—				
Dried Fruit	1,440	17	..	1,457
Table and Wine	1,689	117	..	1,806
Orchards—				
Citrus	4,122	105	..	4,227
Other	1,549	270	..	1,819
Market Gardens	2,225	7,114	..	9,339
Miscellaneous	463	4,711	..	5,174
Total, 1959-60	63,444	57,102	18,982	139,528
Total, 1958-59	57,934	56,327	14,016	128,277

APPENDIX J.

STAFF AND EMPLOYMENT FIGURES AS AT 30th JUNE, 1958, 1959 AND 1960.

Staff.	30th June, 1958.				30th June, 1959.				30th June, 1960.				Total.		
	Permanent Divisions.			Total.	Permanent Divisions.			Total.	Permanent Divisions.			Total.			
	Adminis- trative.	Pro- fessional.	Technical and General.		Adminis- trative.	Pro- fessional.	Technical and General.		Adminis- trative.	Pro- fessional.	Technical and General.				
<i>Engineering.</i>															
Staff possessing professional qualifi- cations, engaged on engineering, draughting, research, and surveying	..	107	4	83	394	..	306	3	81	390	..	309	4	73	386
Inspectors, Water Bailiffs, Rangers, &c., engaged on District Operation and maintenance ..	..	..	387	92	479	..	..	395	94	489	..	..	411	93	504
Excavator Supervisors, Chainmen, Timekeepers, &c., engaged on con- struction and plant maintenance ..	..	..	27	39	66	..	..	25	42	67	..	..	26	45	71
<i>Administration and Accounting.</i>															
Clerks and Accountants ..	187	..	74	65	326	196	..	73	64	333	198	..	58	67	323
Typists, Messengers, &c. ..	..	..	43	44	87	..	..	35	53	88	..	..	32	56	88
<i>Other Categories.</i>															
Laboratory Assistants, Survey Assist- ants, Tradesmen, Motor Drivers, &c.	..	..	36	7	43	..	..	36	8	44	..	..	47	10	57
Totals ..	187	307	571	330	1,395	196	306	567	342	1,411	198	309	578	344	1,429
<i>Casual Labour.</i>															
Construction (Day Labour and Contract)	..	..	..	..	922	..	..	..	..	906	..	..	..	..	973
District Maintenance ..	..	..	..	..	1,196	..	..	..	..	1,308	..	..	..	..	1,197
GRAND TOTALS	..	..	..	..	3,513	..	..	..	..	3,625	..	..	..	..	3,599