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VICTORIA

STATE RIVERS AND WATER SUPPLY COMMISSION

FIFTY-NINTH
ANNUAL REPORT
1963-64

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

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STATE RIVERS AND WATER SUPPLY COMMISSION

90 Orrong-road,
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16th October, 1964.

ANNUAL REPORT, 1963-64

In compliance with the provisions of the Water Act, the State Rivers and Water Supply Commission has the honour to present to Parliament the following Report and Statement for the Financial Year 1963-64, 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.

A. L. TISDALL, Deputy Chairman,
M.Agr.Sc., F.A.I.A.S.

R. A. HORSFALL, M.B.E., Commissioner,
M.C.E., B.Mech.E., M.I.E. Aust.

A. H. RIGG, J.P., Secretary.

Commissioner R. A. Horsfall left on an overseas visit on April 21st, 1964, to attend conferences of the International Commission on Large Dams in Edinburgh, and of the International Waterworks Association in Stockholm. The Secretary of the Commission, Mr. A. H. Rigg, was appointed as Acting Commissioner during his absence.

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SUMMARY OF MAIN DETAILS OF REPORT

STORAGES

THE Commissions' planning, always handicapped by the year-to-year basis of funds allocation resulting from the Loan Council system, was materially assisted in 1963 when the Government announced its approval for a ten-year programme for country water storages to cost £37,500,000. This involves the two-stage construction of a dam on the Buffalo River ; completion of Devilbend and Bellfield ; the Corop Lakes scheme ; storages on the Tarago, at Nillahcootie on the Broken River and on Coimadai Creek near Bacchus Marsh ; Lake Mokoan (Winton Swamp) near Benalla ; and a quarter share of the large Chowilla Storage on the lower Murray River. The second stage of the Buffalo Dam, the largest item, is estimated to cost £20,000,000.

Good progress was made on the construction of the dam for the 60,000 acre feet Lake Bellfield in the Grampians, to serve the Wimmera-Mallee System. Work began in February, 1964 on the first stage of the 20,000 acre feet storage on the Buffalo River.

At 30th June, 1964, the capacity of water storages controlled by the Commission was 4,528,318 acre feet. Additionally, River Murray storages with a combined capacity of 2,722,840 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 5,889,738 acre feet, an increase of 3,458,938 acre feet in the ten years since 30th June, 1954.

IRRIGATION DEVELOPMENT AND WORKS

THE area irrigated in 1963-64 was 1,137,241 acres, being 14,314 acres below the previous record in 1962-63, while water deliveries for irrigation totalled 1,701,468 acre feet, slightly less than the record 1,744,473 acre feet delivered in 1961-62. This was because of low demand in the spring and in the last month of the season.

In the Goulburn-Murray Irrigation District progress was made on channel enlargement and remodelling to distribute additional water from Lake Eildon and other reservoirs. Work continued in the Rodney, North Shepparton, South Shepparton and Tongala-Stanhope Areas and a start was made on major works in the Torrumbarry Irrigation System, the Deakin Area and the Campaspe Irrigation District. The latter will be supplied from the Campaspe River using Lake Eppalock water.

Progress was made on drainage, particularly on the new Mosquito Depression Drain and the re-located Deakin Main Drain.

Further drains were excavated in the Murray Valley Irrigation Area where the total length is now 206 miles, leaving 97 miles to complete the Soldier Settlement Area drainage. Work was well advanced in the Dunbulbalane Settlement Area, where 141 of the 186 blocks have been supplied with water.

TOWN AND INDUSTRIAL WATER SUPPLY AND SEWERAGE

ON 30th June, 1964, the number of country towns provided with reticulated water supplies by the Commission or by local Trusts and Authorities was 346, serving 756,953 persons. Ten new town supplies were brought into operation by newly constituted Waterworks Trusts at Anakie, Apsley, Axedale, Barmah, Cudgewa, Darnum, Melton, Miners Rest, Springhurst and Timboon. Five Trusts were constituted to supply another six towns. The Commission also extended supplies to newly developed Mornington Peninsula areas.

Expenditure by Waterworks Trusts and Authorities on loan works was £2,227,377, of which £1,597,452 was provided from Government loan funds.

Seventy-five Sewerage Authorities serve country towns including Geelong and those in the Latrobe Valley. Works are in operation in 56 towns, serving 516,880 persons. New systems were brought into operation at Mooroopna and Tatura. Two other systems are under construction.

Capital expenditure on sewerage was £2,751,048. Of this amount £605,048 came from Government loans.

RIVER IMPROVEMENT, FLOOD PROTECTION AND DRAINAGE

TWENTY River Improvement Trusts and four Drainage Trusts were in operation under the River Improvement Act at 30th June, 1964. Expenditure by the Trusts was £220,000 from Government loan funds and £50,352 from the Rivers and Streams Fund, a total of £272,352.

The Dandenong Valley Authority Act was passed in November, 1963, to set up an Authority to control drainage, flood control and associated matters in the catchment of Dandenong Creek immediately east of the metropolis. The legislation was urgently requested by the local councils because of the rapidly increasing runoff caused by the extensive domestic and industrial development in the area.

Lake Corangamite continued to recede and at 30th June, 1964, was 5 feet 5 inches below the record flood level of 1960. A total of 131,000 acre feet of water has now been diverted from the Woody Yaloak River via the channel to the Barwon River. This accounts for one-third of the reduction in water level, the balance being caused by evaporation from the lake surface. The Cundare Pool could now intercept and impound 60,000 acre feet of floodwater which could later be safely released to the Barwon River.

FINANCE

THE total receipts for water rates and charges for the financial year 1963-64 amounted to £3,435,667 as compared with £3,401,935 in 1962-63.

The number of rating assessments in the districts supplied with water by the Commission was 117,857 and the total number of assessments in drainage, flood protection and sewerage districts was 10,119.

The unimproved capital valuation of properties rated on this basis within irrigation districts, waterworks districts, and the Carrum Drainage District amounted to £66,463,960.

The net annual valuation of properties rated on that basis, within one waterworks district, two flood protection districts, urban districts including the Coliban System, and the Eildon Sewerage District, amounted to £8,443,805.

The net liability of the State for works of water supply and drainage at 30th June, 1964, was £145,418,035. Of the net liability at 30th June, 1964, £12,866,219 is charged to waterworks trusts and other local governing bodies ; £9,586,624 is debited to districts directly controlled by the Commission and to Plant Workshops ; £1,611,035 is debited to Plant and Machinery Account ; £207,931 to river improvement trusts ; £5,213,267 to the Latrobe Valley Water and Sewerage Board ; and the balance £115,932,958, being largely expenditure on irrigation and rural water supply works, flood protection and drainage works, is borne by the State in accordance with Government policy.

The total interest, exchange and loan conversion expenses for 1963-64 amounted to £6,443,941. Waterworks trusts and local governing bodies paid to the Treasury the sum of £643,950 as interest on loans. In addition, interest amounting to £238,001 was met by the Commission in respect of districts under its control.

In districts which were required to meet all annual operating costs, the operations for the year resulted in a net cash gain of £286,124. A deficiency of £186,124 was incurred in operating districts to which the supply was continued by direction of the Governor in Council. This amount was debited to the "Revenue Expenditure Chargeable to the State Account".

The net cost to the State for interest, exchange and loan conversion expenses, loss on district operations, for services not directly chargeable to water users, together with the cost of National Debt Sinking Fund operations was £5,807,431 of which £5,576,758 was for interest, exchange and loan conversion expenses.

The value of stores and equipment held in the Stores Suspense Account as at 30th June, 1964, was £829,834 and the value of moveable plant and machinery held in the Plant and Machinery Account as at that date was £1,611,035.

A sum of £195,985 was paid into Consolidated Revenue in respect of depreciation payments by Commission's districts for the year 1963-64 bringing the balance in the Water Supply Works Depreciation Account to £1,355,821. However, nothing has been paid into the Depreciation Fund for some years and the actual amount in the Fund available for replacement of depreciated assets is only £1,585.

The amount at credit of Water Supply Plant and Machinery Depreciation Fund as at 30th June, 1964, was £1,158,775.

The arrears of water rates and charges outstanding at 30th June, 1964, amounted to £547,059 of which £307,706 represents outstanding accounts for sales of water on which interest does not become payable until December, 1964.

The amount included in the Budget Estimate for 1964-65 for Vote Expenditure on works and services under the control of the Commission is £4,949,019. This amount is £205,412 less than the Commission's estimated requirements.

* * * *

STATE RIVERS AND WATER SUPPLY COMMISSION

ANNUAL REPORT, 1963-64

The period 1963-64 has been marked by major break-throughs in the field of planning and implementing large water supply works ; in the control and administration of river and drainage problems; and in the wider appreciation of water supply problems by the Commonwealth Government.

One of the highlights of the year was the ten-year storage programme which was announced by the Premier in the middle of 1963. This is a comprehensive long-term £37,500,000 programme, on which the Commission has already made considerable progress. It will involve the construction of nine new storages, widely scattered over the State.

This is the first time that any Victorian Government has approved such a comprehensive, long-term water conservation programme.

The new programme will enable the Commission to retain the highly efficient staff of designing and constructing engineers and workmen which it has built up over a period of years and to make satisfactory arrangements to start and finish works on an overlapping priority basis. Investigation and design teams will have valuable continuity of operation over the next decade and the trained dam construction work force can be kept working efficiently at full capacity.

Towards the end of November, 1963, Parliament passed the Dandenong Valley Authority Act which provides for an autonomous Authority to control all drainage and river control in the 300 square mile catchment of Dandenong Creek, immediately east of the Melbourne metropolitan area. This legislation, almost identical with that considered by Parliament a few years ago for the setting up of a State-wide system of such authorities, was asked for as a matter of urgency by all the municipalities involved in the catchment. The idea is not new, for the pattern has been established for many years in England and Wales, in Canada and in New Zealand. Now, with the passing of this legislation, the principle exists, in rural and semi-rural Victoria, for the constitution of local Authorities to control all drainage and associated problems from the extreme upper limits of any catchment to the ultimate outfall. Moreover, for rural Victoria the logical method of financing the operations has been established, that all land-holders from the limits of the catchment to the outfall will now contribute to the costs involved.

Not the least important event was the decision by the Commonwealth Government to contribute towards the cost of accelerating water resource investigations, where and to what extent they may be needed in any Australian State. This contribution is a consequence of deliberations in the Water Resources Council, which was set up in 1963 to provide a comprehensive assessment of Australia's water resources and to extend measurements and research so that future planning can be carried out on a sound and scientific basis.

Following recommendations by the Council the Acting Prime Minister indicated that, providing the States accepted the Council's proposals for an accelerated stream gauging programme, the Commonwealth Government would provide funds to the States for capital and operational costs during the next three years.

The Commission has over the years built up an extensive stream gauging and recording service, so the expansion of these activities in Victoria will not be nearly so great as in some of the other States. Nevertheless, participation by the Commonwealth in this field can be regarded as a very important policy decision.

DETAILS OF COMMISSION OPERATIONS

LEGISLATION

Water Act 1963—No. 7050

This Act made a number of minor amendments to the *Water Act* 1958.

Dandenong Valley Authority Act—No. 7060

This Act provides for the constitution and operation of an Authority to control the drainage of the waters of the catchment of Dandenong Creek, immediately east of the Melbourne metropolitan area, the improvement of the lands of the catchment of this creek, the prevention of flooding and pollution, and other purposes. The legislation was asked for by all municipalities in the area as a matter of urgency because of the rapidly increasing runoff from extensive domestic and industrial development in the upper and middle reaches of the Valley. Serious drainage and river control problems associated with this development could not be satisfactorily dealt with under the existing legislation.

River Murray Waters (Menindee Lakes Storage) Act 1963—No. 7061

This Act ratified an Agreement made between the Commonwealth, New South Wales, Victoria and South Australia providing for the River Murray Commission to use, within the seven years from 1st January, 1963, a substantial part of the water diverted from the Darling River into the Menindee Lakes Storage. This Storage, with a present capacity of approximately 1,000,000 acre feet, which is being enlarged to 1,500,000 acre feet, is a New South Wales storage formed by embanking and improving a number of natural lakes adjoining the lower reaches of the Darling River. For the use of the Storage, the River Murray Commission will pay to New South Wales £160,000 per annum, of which one-quarter will be contributed by Victoria. Release of water from this storage by the River Murray Commission into the River Murray as required, in conjunction with Lake Hume and Lake Victoria, will in times of drought provide an additional safeguard against severe water restrictions to established irrigation development along the Murray, pending the construction and filling of Chowilla Reservoir (see next item).

River Murray Waters Act 1963—No. 7062

This Act ratified amendments to the River Murray Waters Agreement to authorize the construction of Chowilla Reservoir as a River Murray Commission work. With a capacity of 4,750,000 acre feet Chowilla Reservoir will be larger than any storage yet constructed in Australia. It will be formed by a dam 3 miles long and 40 feet high across the wide flats adjoining the Murray River 6 miles downstream of the Victorian border. When the reservoir is full it will submerge 520 square miles, mostly in New South Wales and Victoria, including the River Murray Commission's Lake Victoria storage in New South Wales. The estimated cost of Chowilla Reservoir is £14,000,000. Under the River Murray Waters Agreement, this will be shared in four equal parts by the Commonwealth, New South Wales, Victoria and South Australia.

Operation of Chowilla Reservoir will benefit Victoria by greatly reducing the frequency and severity of water shortages on the Murray.

* * * *

PARLIAMENTARY PUBLIC WORKS COMMITTEE

WATER RESOURCES OF VICTORIA

The Governor in Council, on 15th November, 1960, asked the Committee to report on the practicability of constructing further works to utilize the waters of streams in Northern Victoria and other parts of the State, (For full terms of reference for this inquiry see Annual Report for 1962-63).

Reports on this inquiry have been issued by the Committee as follows :

1st Progress Report, recommending the construction of Buffalo Reservoir, &c., 21st November, 1962.

2nd Progress Report, recommending the construction of Fish Point weir and pumping stations at Swan Hill and on Pental Island, 8th May, 1963.

3rd Progress Report, recommending the construction of Nillahcootie Dam to store 35,000 acre feet on the Broken River, and a storage at Winton Swamp near Benalla with a capacity of 300,000 acre feet, was issued on 26th June, 1963. (The latter storage will be known as Lake Mokoan.)

In *Progress Report No. 4*, dated 7th May, 1964, the subject being the Seven Creeks Basin, the Committee recommended :

That the State Rivers and Water Supply Commission carry out the necessary investigation and achieve an advanced stage of design and planning in preparation for the construction of a 14,000 acre foot storage at the Polly McQuinn's site on Seven Creeks at some future date, the estimated final cost of the proposal being £850,000, the cost estimate being subject to further detailed investigation.

That the output from the storage be used for town and industrial water at Euroa, rural stock and domestic supply in the Seven Creeks valley and for irrigation by diversion by the downstream landholders.

The Commission has recommended to the Committee the reconstruction of the supply route from Kow Swamp to the Little Murray River and Lake Boga, at an estimated cost of £1,600,000, the works to be carried out in the following order of priority :

- (a) Remodelling of the Kangaroo-Boga, the Little Contour and the Tutchewop Outfall Channels.
- (b) A pump on Racecourse Lake to serve irrigators diverting from Cullen's Lake.
- (c) Remodelling sections of the Lakes Channel from the Loddon River to Lake Kangaroo and by-passing Reedy, Middle and Third Lakes by a new channel to reduce water losses from these lakes, taking all necessary steps to safeguard the habitat of the Ibis.
- (d) Lowering the present running level of the Box Creek-Pyramid Creek carrier from Kow Swamp to Kerang Weir on the Loddon River by 4 to 5 feet, thus increasing the flood carrying capacity of Pyramid Creek and making available by gravitation an additional 25,000 acre feet of stored water in Kow Swamp.
- (e) The provision of an alternative supply to Kow Swamp diverters.
- (f) Construction of a regulator on Lake Charm inlet channel to confine inflow to this lake to times when surplus flows are available.
- (g) A direct supply to the Tresco pumps from the Kangaroo-Boga channel with an extension to serve the Tresco West system.
- (h) The provision of an alternative supply route to irrigated lands on the western side of Long Lake to permit of maintenance of supply from the Little Murray without dependence upon the level in Lake Boga.
- (i) Pumping plants on Lakes Kangaroo and Charm with consequential alterations to private pump intakes.

This inquiry is proceeding.

GOULBURN-MURRAY IRRIGATION DISTRICT DRAINAGE

The Governor in Council, on 15th November, 1960, asked the Committee to report on methods necessary to overcome drainage difficulties in the Goulburn-Murray Irrigation District.

The Commission gave further evidence to the Committee concerning progress in its drainage investigations.

The inquiry is proceeding.

LAKE CORANGAMITE

The Governor in Council, on 28th March, 1961, asked the Committee to report on various matters concerned with Lake Corangamite.

A progress report was issued on 13th December, 1962, (recommending the pumping of water from the Cundare Pool into Lake Corangamite). In *Progress Report No. 2*, dated 16th April, 1964, the Committee recommended :

“ That the necessary steps be taken to enable the State Rivers and Water Supply Commission to acquire all alienated lands in the Cundare Pool area below R.L. 391 feet, together with a flood easement on the marginal lands between R.L. 391 feet and R.L. 392.5 feet.”

MELBOURNE WATER SUPPLY

The Governor in Council, in November, 1962, referred to the Committee the report dated July, 1962, of the Melbourne and Metropolitan Board of Works on the Future Water Supply of the Melbourne Metropolitan Area for inquiry and report on the Board's recommendation and any other matters which the Committee considers relevant.

The Commission, which presented evidence on this matter during last year, gave further evidence to the Committee regarding alternative sources of supply available to the Board.

The inquiry is proceeding.

WATER DELIVERIES

For the third year in succession, the inflow to the major Victorian irrigation storages was below average. The inflow of Lake Hume for the twelve months' period May, 1963 to April, 1964, totalled approximately 1,800,000 acre feet against a long term average of 3,200,000 acre feet, whilst the total inflow to Lake Eildon for the period was 1,006,000 acre feet only, as compared to an average flow of 1,454,000 acre feet. The flows in other major streams throughout the State were correspondingly low.

Although the rainfall over the catchment areas generally was below normal, good rains fell over the northern irrigation areas in the winter and spring. As a result, the demand for water early in the irrigation season was small and most storages continued to rise until mid-November.

At 15th November, 1963, the total volume impounded in the major Victorian storages was 6,741,000 acre feet. Eppalock, Glenmaggie, Melton, Pykes Creek and Coliban storages were full; Cairn Curran and Tullaroop Reservoirs were only a few thousand acre feet below capacity; Lake Hume was only 22,000 acre feet and Lake Eildon only 24,000 acre feet below full capacity.

Although inflows were below average, the condition of the storages permitted the Commission, in September, 1963, to announce that deliveries to individual irrigators in the Goulburn-Murray Irrigation District would be available to the extent of 150 per cent. of "1963 Formula" water rights. For the many irrigators who benefited from the "1963 Formula" this represented a greater volume than was available in 1962-63.

In March, 1964, after consultation with the Advisory Boards, the Commission agreed that users who had exhausted their supplies for the season would be permitted to use a further 15 per cent. of water rights, provided that the additional water could be delivered without detriment to irrigators who had not used the full volume available to them for the season under the previous scale of deliveries.

The usage of water in the spring was low and at the end of October the total volume delivered on the land in all districts was only 142,000 acre feet as compared to 191,000 acre feet at the same stage of the 1962-63 season and 310,000 acre feet in 1961-62.

Extremely dry conditions were experienced in Northern Victoria from November until the first week in April and the demand for water during this period created an all-time record. In the three months, December to February, inclusive, a total 525,000 acre feet was delivered on the land in the Goulburn-Murray Irrigation District, as compared to 395,000 acre feet in the same period of the 1961-62 season, whilst the volume of approximately 270,000 acre feet delivered in March created an all-time monthly record and was more than 40 per cent. greater than the previous maximum volume of 192,000 acre feet delivered on the land in March, 1962.

The total volume delivered on the land in all districts for the season was 1,701,468 acre feet. This was within 3 per cent. of the previous record volume of 1,744,473 acre feet delivered in the 1961-62 season.

The high rate of deliveries achieved was possible only because of the extensive channel remodelling which has been carried out in northern Victoria in recent years.

The Campaspe pumping station was operated for the first time in the autumn and permitted water from Lake Eppalock to be used to supplement supplies to those areas of the Goulburn System supplied from the Waranga Western Main Channel west of the Campaspe River. A total 20,700 acre feet was pumped for the season. The operation of this pumping station resulted in a substantial improvement in conditions along the Waranga Western Main Channel and permitted record volumes to be delivered in the Calivil, Tragowel Plains and Boort Irrigation Areas.

PRIVATE DIVERSIONS

The area irrigated by private persons who divert water from surface sources now stands at 140,195 acres. This is 5,533 acres in excess of the area so watered in 1962-63 and represents 8.1 per cent. of all irrigation.

* * * *

IRRIGATION PRODUCTION 1962-63

(Production figures are not yet available for 1963-64)

In 1962-63, the gross value of production from Victorian irrigation districts, including private diverters, amounted to a record figure of £64,950,000. This was an increase of more than 5 per cent. on the 1961-62 figure (previously the highest registered).

Details under the various headings are as follows :—

<i>Irrigation Districts—</i>						£	£
Milk and Milk Products	..	..	..	..	..	16,800,000	
Beef and Veal Meats	..	..	..	..	..	3,300,000	
Wool, Lamb and Mutton	..	..	..	..	..	6,900,000	
Pigmeats	..	..	..	..	..	3,150,000	
Poultry and Eggs	..	..	..	..	..	1,625,000	
All Livestock	..	..	..	..	..	..	31,775,000
Dried Vine Fruits	..	..	..	..	..	6,125,000	
Table and Wine Grapes	..	..	..	..	..	500,000	
Canning Fruits	..	..	..	..	..	3,650,000	
Fresh and Jam Fruits (Deciduous)	..	..	..	..	..	1,975,000	
Citrus Fruits	..	..	..	..	..	1,075,000	
All Horticulture	..	..	..	..	..	..	13,325,000
Vegetables	..	..	..	..	..	..	2,325,000
Other Primary Products	..	..	..	..	..	..	4,175,000
Total District Production						..	51,600,000
<i>Private Diverters</i>						..	13,350,000
GRAND TOTAL						..	64,950,000

Value of production in the irrigation districts rose by a net £2,000,000 compared with 1961–62, income from livestock increasing by a little over £3,000,000 and income from other sources decreasing by nearly £1,000,000. Eight per cent. more dairy cattle were carried than in 1961–62, and prices of all livestock products were higher especially wool, beef, veal and pigmeats.

The value of horticultural production however declined by 12 per cent. to £13,325,000, as a result of both lower production and poorer prices. Two of the three co-operative canneries did not pay bonuses on fruit for the first time in very many years, the overall price for canning fruit thereby falling nearly £10 per ton. Vegetable prices were also substantially lower than in 1961–62.

PRIVATE DIVERSION PRODUCTION

The tobacco crop, which comprised nearly 40 per cent. of private diverters' production in 1962–63 was worth £5,100,000 compared with £3,500,000 in 1961–62. The acreage of pastures and fodders irrigated by private diverters increased substantially, and of course, diverters also enjoyed the increased prices for livestock products. Overall, the value of production by private diverters jumped by 13 per cent. compared with 1961–62, despite the relatively poor year for horticultural products.

* * * *

IRRIGATION RESEARCH

WEEDICIDES

During the year a great deal of use was made of weedicides for channel and drain maintenance.

Weedazol TL was used for the first time to control water couch grass and cumbungi in drains. Approximately 430 miles of drains was treated at a cost of £70 per mile. This treatment has been developed following thirteen years of experimental work. It is eventually expected to be used in 60 per cent. of all of the Commission's drainage systems and will relieve the pressure on mechanical drain-cleaning equipment.

With the assistance of the Explosives Department, difficulties with the supply and handling of Aqualin were overcome during the year, and this chemical will now be regularly used for channel maintenance. Altogether, 270 miles of supply channels and 50 miles of drains was treated. Treatment of main channels with Aqualin to control submersed weeds was a major factor in enabling water deliveries to be made to farmers at a record rate.

Dalapon and 2,4-D weedicides were also used fairly extensively and waterways representing an area of 600 acres of cumbungi, canegrass, paspalum and milfoil was treated.

To prevent pollution of waterways, strict control has been maintained over all aspects of the use of weedicides. Experiments on pollution hazards have been continued at Swan Hill, and two additional Weeds Inspectors have been appointed to closely supervise the weed control programme.

Water Hyacinth has been reported in a number of places during the year, each infestation located being effectively dealt with by the Lands Department. Infestations at Yarrawonga and in the Ovens Valley could represent a serious threat to the Murray River System. Close attention is being given to this problem.



Weeds in a supply channel before treatment.



After treatment the efficiency of the channel is greatly increased.

WATERTIGHT SEALS

The fitting of watertight seals in meter outlets has progressed in all irrigation areas, with the advantages of reducing both distribution losses and the problem of weed control in farm channels. In some districts the seals have been used in channel regulators to obtain more positive control and to reduce the quantity of water discharged through outfalls.

Special formwork which the Commission has made available to simplify the installation of the watertight seals by irrigators has been demonstrated in irrigation districts.

Considerable interest in these seals has been shown by water authorities in other States and overseas.

EFFICIENT WATER USE

Experiments at Rochester, Swan Hill, Kyabram and Red Cliffs have provided useful information on the flow rates required for efficient watering.

Irrigation equipment which farmers can use to apply specified flows is being designed. Labour-saving equipment is also being investigated for improving watering techniques.

SOIL SURVEYS

In conjunction with the Commission, the Department of Agriculture undertook soil surveys in the Ovens Valley tobacco growing areas and in the Mystic Park, Fish Point, Nyah and Kerang Irrigation Areas. A total of 60,000 acres of land was surveyed. Technical Bulletin No. 16 covering the Deakin Irrigation area was published during the year by the Department of Agriculture.

UNDERGROUND WATER SUPPLY

A survey was started, in co-operation with the Mines Department, to investigate the quantity and quality of underground water in the Thomson River Flats between Cowwarr and Heyfield where summer river flows are barely adequate for present irrigation development. Seams of gravel, about 2-3 feet thick, containing water of excellent quality, occurred in most bores within 30 feet of the surface. Yields will be determined by pumping tests.

DRAINAGE INVESTIGATIONS

The effectiveness of the new surface drainage scheme in reclaiming saline and waterlogged pastures on the Tyntynder Flats in the Swan Hill Irrigation Area is being examined. Preliminary studies on the use of subsurface drainage methods in the main soil types are also being undertaken.

In the Woorinen area several deep exploratory bores were sunk in the heavy P type soil to select a site for testing the effectiveness of pumping for lowering groundwater levels.

It has been shown that for heavy soils, better water distribution, using broad-based furrows rather than "V" furrows, has resulted in a nett removal of salt from the soil profile. To assist Woorinen irrigators to improve their drainage the Commission is installing drainage pumps to enable a deeper drainage outfall to be obtained.

A network of shallow (10 feet) observation wells was installed in the Kerang and Cohuna irrigation areas to record groundwater levels for investigations into the possibilities of watertable control. A contract was let for the installation of piezometers in the underlying sand beds. The Bureau of Mineral Resources has commenced a survey of these areas in an attempt to define, by geo-physical methods, the course of a large underground river system, believed to have a marked influence on local soil salinity.

Pumping tests to lower saline watertables are being carried out in the Kerang Irrigation Area on a site 1 mile south of Johnson's Swamp.

Since 1961 there has been a noticeable reduction in the area of saline land in the northern part of the Tragowel Plains, possibly due to the cleaning out of surface drains and better management. Several exploratory bores were sunk in preparation for a pumping test in the Calivil Irrigation Area where the extent of saline land has increased in the past three years.

In the Murray Valley Irrigation Area low-lying parts of some properties are being affected by waterlogging. Pumping tests are in hand and tile drainage trials are planned to find the best method of groundwater control here.

In the Central Gippsland Irrigation Area, watertables appear to be fairly stable although investigations and drainage works are proceeding to reclaim two further areas which have become saline. Of the three reclamation projects in Central Gippsland, the first, laid down in 1959, is now 95 per cent. reclaimed, having a top-soil salt content comparable with the best soils in the district. There has been a considerable improvement on the other two projects which have been cultivated in preparation for regrading and sowing to perennial pasture.

IRRIGATION RESEARCH COMMITTEE

A Victorian Irrigation Research and Advisory Services Committee was set up during the year to help increase the effectiveness of irrigation and drainage research in Victoria and to enable best use to be made of the State's water resources. The Committee consists of senior representatives of the C.S.I.R.O., the Victorian Department of Agriculture and the Commission.

During March the Committee held a Conference on "Methods of Research in Irrigation Efficiency" at the Commission's Head Office when all aspects of this subject were discussed by experts from all over Australia. Arising out of this Conference a program of research in irrigation efficiency has been drawn up.

ADVISORY ACTIVITIES

An exhibit describing the Commission's research activities was displayed at several country agricultural shows and field days were held in a number of areas to demonstrate irrigation techniques and equipment.

Five issues of "Water Talk" were produced during the year for distribution to irrigators in all vine areas and in pasture areas around Swan Hill and Pyramid Hill.

IRRIGATION DIVISIONS

GOULBURN DIVISION

The substantial rain in late April to June, 1963, followed by further falls in July, considerably disrupted the winter maintenance programme.

There was little irrigation before the middle of November, but demand quickly built up and was maintained at a much higher level than usual until late April when heavy rain stopped irrigation.

Approximately 600,000 acre feet of water was delivered on the land. This was 15,000 less than 1961-62, but the water received into the districts was 94,000 acre feet less than in that year. The increased efficiency is attributed to the extended period of high demand, to better regulation with improved structures and attention to all phases of maintenance.

The use of Weedazol and Aqualin and the introduction of excavators fitted with backacter and hydraulically-controlled bucket equipment have improved drainage maintenance by making it both faster and cheaper. Most distributory bottlenecks have been removed in the East Goulburn and Rodney Areas.

The reconstruction of the internal channel system of the southern part of the Deakin Irrigation Area is in progress.

Drainage construction proceeded in the Murray Valley Irrigation Area, the Dunbulbalane Closer Settlement Area and the Mosquito Depression. Relocation of portion of the Deakin Main Drain was commenced.

Three new staff residences were erected, additions and improvements were effected at Shepparton and Cobram Offices.

Murray Valley Irrigation Area—(Administrative Centre—Cobram)

Attention was given to drainage maintenance, using backacter excavators, back hoes and chemicals. Two weed launches were used in Broken and Nine Mile Creeks. The rise in water-table to near natural surface level has placed greater emphasis on drainage construction and maintenance. Groundwater pumping from one site continued throughout the year.

Works included the mechanical cleaning of 13 miles of channel and 61 miles of drains, the chemical treatment of the major part of the main channels and 45 miles of drain, and the installation of 22 meter outlets and 17 pump meters.

Water delivered to users was 178,589 acre feet.

Shepparton, North Shepparton, South Shepparton and Katandra Areas—(Administrative Centre—Shepparton)

A total of 74 subdivisions, including the subdivision of rural lands for housing development near Shepparton was processed and the consequential works completed at the cost of subdividers.

Works completed in these areas included one major check, two bridges, four large culverts and twenty minor structures; 1 mile of new channel; rehabilitation of 120 meter outlets; construction of 41 new outlets; steel doors and rubber seals on 264 meter outlets and 94 channel offtakes.

Forty landholders are diverting water from the Broken and Nine Mile Creeks.

Lengths of 16 miles of channel and 152 miles of drain were cleaned by mechanical methods and 31 miles of drain was treated with chemicals. Thirty-two pump meters were installed.

Delivery of 112,517 acre feet to users created a record for these Areas.

The Dunbulbalane settlement has increased to 48 dairymans and 80 stone-fruit orchards.

Tongala-Stanhope and Deakin Irrigation Areas—(Administrative Centre—Tongala)

Particular attention was directed to improving efficiency of water distribution with the installation of rubber sealing strips, improved regulation techniques, closer supervision and improved communications.

Works included mechanical cleaning of 25 miles of channels and 63 miles of drains by mechanical methods. A total of 190 miles of drains was sprayed with "Weedazol".

Extension and duplication of mains was carried out in the Stanhope Urban Area.

Water delivered to users totalled 117,113 acre feet.



Grading land at Dunbulbalane where over 12,000 acres will be irrigated.

Rodney Irrigation Area (Administrative Centre—Tatura)

A vehicle-to-vehicle radio communications system between water distribution staff and a base in Tatura was installed in December, significantly improving the general operation of water control and maintenance works and increasing the distribution efficiency by 4 per cent.

Access to meter outlets and regulating structures was improved by the installation of over 200 concrete stiles of local design and 60 lightweight hollow pre-stressed concrete slabs for foot-bridges over channels carrying up to 100 cusecs.

A total of 129 new structures and 75 meter outlets was installed ; 88 structures and 75 meter outlets were rehabilitated ; 48 miles of channels were cleaned and topped ; and 48 miles of drains were cleaned or sprayed.

Water delivered to users totalled 188,631 acre-feet.

LODDON DIVISION

The year showed further substantial improvements in water distribution efficiency and distributory works.

Nearly 250 old channel structures were replaced with new standardized concrete works, 550 meter outlets were fitted with watertight doors to eliminate wastage of water and more than 200 new meters were installed to replace open or unmetered outlets.

Distribution efficiency was again increased by the widespread use of weedcides and the mechanical cleaning of channels. Over 270 miles of channels were sprayed with Aqualin and a further 440 miles of channels and drains were treated with other chemicals. Mechanical cleaning by excavator and weed cutting by launch and by hand was effected on a further 330 miles of channels and 180 miles of drains. A total of over 1,220 miles of channels and drains was thus treated out of a total of 2,570 miles in the Irrigation Areas administered within the Loddon Division.

Although a very wet Spring was experienced at the end of 1963, resulting in very low demands for water until about the end of November, a record volume of 549,600 acre feet of water was delivered to landholders during the season. This high figure was achieved as a result of further distribution improvements following excellent co-operation between water distribution staff and irrigators and resulted in record weekly deliveries during March in areas controlled from Rochester, Pyramid Hill and Boort. The total volume delivered in Tragowel Plains and Calivil Areas for the season was the highest yet achieved, reflecting continued improvement in the capacity and efficiency of the Waranga Western Main Channel and the beneficial effect of the Campaspe Pumping Station at Rochester, with its injection of 200 cusecs into the Waranga Western Channel as required.

Drainage maintenance was further improved by the continued use of the new backacter attachment in the Cohuna and Kerang Areas and the use of two other new units, a side-boom dragline in the narrow, deep Woorinen drains and a small pontoon-mounted suction-cutter dredge at Tresco and Fish Point.

Work continued on the improvement of office accommodation and the standard of district store depots. Progressive improvements were made to staff housing.

SWAN HILL

On the Swan Hill Flats, the No. 2 Main Drain (8½ miles) and 1 mile of the No. 4 Main Drain were completed. Earthworks were also in hand on several spurs of the No. 2 Drain. The No. 4 Drain pumping station at the Murray River was well advanced.

The installation of nine drainage pumps at Woorinen was commenced and orders were placed for 30 pumps for this work.

Maintenance of drains at Tresco and Woorinen was greatly aided by the use of the York Dredger and the side-boom dragline, 4 miles being cleaned by the former and 12 miles by the latter.



Swan Hill Flats drainage pumping station and No. 2 main drain at junction with Murray. Pumps lift water from drain into river when river level is above drain level.

KERANG

The most important works were the completion of the duplication of the Macorna Channel Siphon crossing under the Loddon River, the installation of a pumping station at the offtake of the Mystic Park No. 5 Channel from the Kangaroo-Boga Channel, the enlargement of the first 1½ miles of the Kangaroo-Boga Channel and the commencement of the remodelling of the private irrigation channels in the Tutchewop Outfall Area.

The Mystic Park No. 5 Pumping Station, together with the Main A Station constructed the previous year and the Kangaroo-Boga Channel enlargement, permitted fluctuation of the level of Lake Kangaroo by 3 feet. Lake Kangaroo was thus used as a mid-system storage, which improved supplies to many other parts of the Torrumbarry System.

COHUNA

Two further regulators were completed on lagoons offtaking from the Gunbower National Channel. These regulators, which give complete control over the effluent lagoons, have greatly improved the operation and efficiency of the National Channel which carries all supplies to the Torrumbarry System. This was reflected in the district water distribution efficiency for the year which rose to 69 per cent.

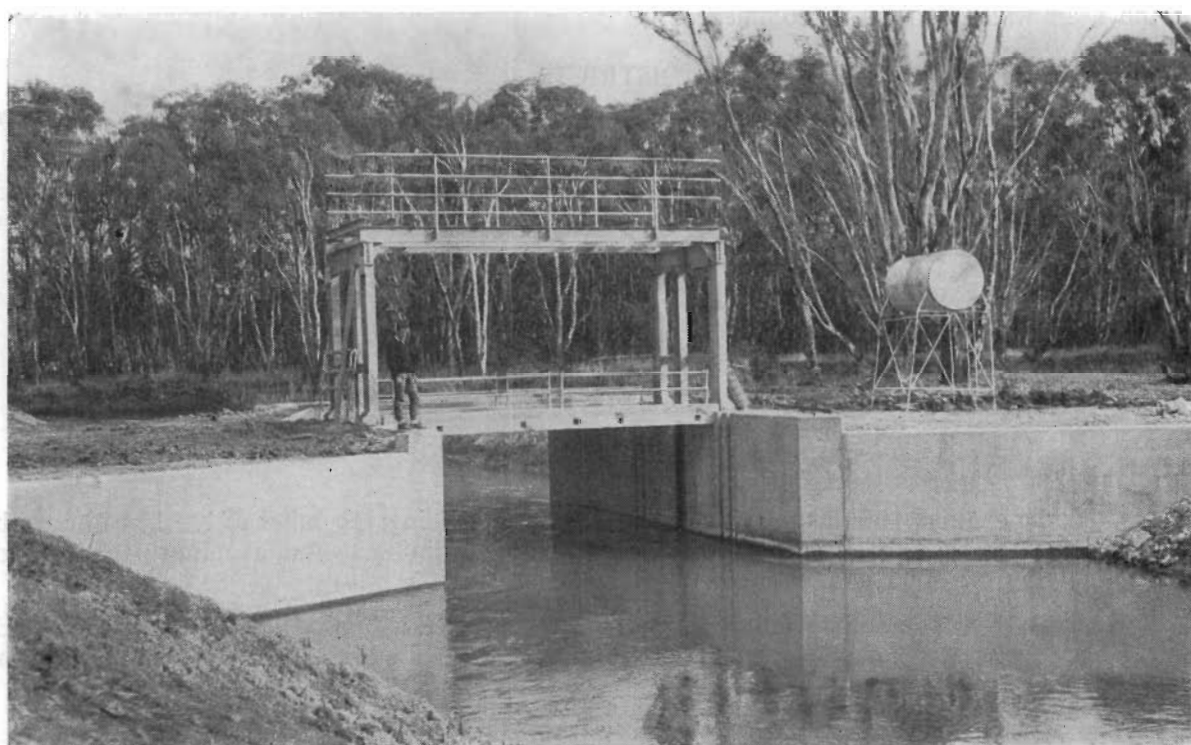
Twenty-six miles of access tracks were constructed on drains and channels.

Nine further private diverters were included in the Goulburn-Murray Irrigation District. Applications from 38 more were approved for 1964-65 and an additional ten applications were received.

PYRAMID HILL

Despite the late spring start to the season and an early finish due to heavy autumn rains, a record of 113,000 acre feet was delivered in Dingee, Calivil and Tragowel Plains Areas. The supply along the Waranga Western Channel showed improvement in flow rate and uniformity, mainly due to the water received through the Campaspe Pumping Station at Rochester, close control of private diverters along the channel and the effect of batter spraying in reducing weed growth in the main channel.

At the end of the season, the old timber offtake structure controlling supplies from Serpentine Creek to the large No. 12 channel system in Tragowel Plains Area failed completely, but timely autumn rains prevented serious supply problems. Urgent replacement works are well advanced.



Fish Point Weir, on Little Murray River, will improve water supply to Swan Hill irrigation area. Gates are to be fitted to super-structure.

BOORT

Work on the fourth stage of the Boort No. 2 channel enlargement was nearly completed despite serious delays caused by bad weather and difficult ground. This stage will be in operation for the 1964-65 season and will permit the Loddon River below Loddon Weir to be eliminated from the Boort supply system.

An all-time record weekly delivery of 3,208 acre feet was made in March. A record seasonal efficiency of 74 per cent. was also achieved as a result of the installation of many new meter doors, construction of new structures, improved distribution of water and the successful use of Aqualin in nearly 50 miles of district channels.

ROCHESTER

A record weekly delivery rate of 5,600 acre feet for four consecutive weeks was achieved during the autumn, following the completion of the Campaspe Pumping Station and the use of water from Lake Eppalock in the Goulburn System for the first time.

Remodelling of a further 3 miles of the Bamawm No. 1 Drain was completed.

Forty-nine irrigators in the Campaspe Area between Lake Eppalock and the Campaspe Irrigation District pumped a total of 1,649 acre feet during the year. All extra water right applications were received from these irrigators and arrangements are in hand for the installation of meters on their pumps for the 1964-65 season.

SOUTHERN DIVISION

MACALISTER DISTRICT

The total rainfall for the year was $19\frac{1}{2}$ inches, being 4 inches below average. September, 1963, and April, 1964, were the only months with above-average rains.

The total water delivered for the year was 85,855 acre feet. Weekly deliveries in January twice exceeded 6,000 acre-feet. Efficiency of delivery increased from 56 per cent. to 60 per cent., due partly to the steady demand and partly to closer attention to ordering water from the storage.

Five miles of the Lake Wellington Drain and approximately 4 miles of the Boisdale No. 2 Drain was re-constructed. In the Central Gippsland Area 800 feet of drain spur was constructed in pipeline.

In the Heyfield Urban District 4,345 feet of old steel mains was replaced with 4-in. asbestos cement pipes.

Work on the new Maffra storeyard was almost completed and the construction of a residence for the head water bailiff was commenced.

BACCHUS MARSH AND WERRIBEE DISTRICTS

1963-64 was a good average year as far as climatic conditions, rainfall, storage levels, water deliveries and revenue were concerned.

Bacchus Marsh.—Gunite lining of main channels and pipe replacement of deteriorated concrete-lined spur channels was continued. These works have further raised the district efficiency to 77 per cent.

Werribee.—Extensive major drain renovation was carried out and the first mile of the Werribee Drain D1 has been reconstructed providing greatly improved drainage.

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PUMPING DISTRICTS

RED CLIFFS

Concrete channel maintenance included 3 miles of re-facing, $1\frac{1}{2}$ miles of crack sealing with "Peratol" and $5\frac{1}{4}$ miles of extensive patching and repairs to lining, as well as minor patching and repairs to lining on other channels.

A length of $5\frac{1}{4}$ miles of small supply channels was replaced with pipe line ($\frac{3}{4}$ mile of reinforced concrete and $4\frac{1}{2}$ miles of asbestos cement). In conjunction with the pipe line works 51 new or replacement Dethridge meters, fitted with riser valves, were installed.

The metering of properties served directly from the No. 1 Main Channel was commenced and eleven small Dethridge meters were installed.

The total number of meters installed to date is 260, and the area metered is 3,470 acres or 30 per cent. of the total water-right area.

A length of 63 miles of channel banks was sprayed with "Propon" to control paspalum, and 10 miles of open drains were also sprayed with "Propon" to eradicate cumbungi.

Fifty concrete lids were provided on drainage silt boxes and 408 chains of main drain was cleaned with rods to clear blockages.

A drainage pump was installed on the Main Central drain to relieve drainage overload at the south end of the Central drainage system.

Three timber drop-board type channel regulators were replaced with steel gates and lifting gear.

Nine road culverts were widened on a share-cost basis for the Shire of Mildura and a siphon in No. 3 channel at the Calder Highway was widened for the Country Roads Board.

MERBEIN

Maintenance was carried out on concrete channels, between irrigation periods, and included 5 miles of "Peratol" application, and 4 miles of concrete patching and topping.

Nine miles of Commission channels and 60 chains of party channels were replaced by pipe lines, making a total replacement of 16 miles in pipeline out of a total of 64 miles.

Sixty new Dethridge meter outlets were installed during the year, in conjunction with the pipe line program, making a total of 200 now installed in the District, serving 40 per cent. of the 8,000 acres under irrigation. Three highway culverts were widened for the Country Roads Board.

The urban reticulation system was extended to supply the C.S.I.R.O. Research Station and rural properties en route.

NYAH

Maintenance of concrete channels included 65 chains of crack sealing, the renewal and repair of six checks and drops and the fitting of steel doors with neoprene strips to twelve leaking offtake outlets on distributory channels.

Twenty miles of channel was sprayed with "Dalapon" for control of paspalum and other growth, with very satisfactory results.

Four defective silt boxes and two timber occupation crossings were replaced in concrete.



Gunbower township water tank. Capacity is 30,000 gallons and supply is from Taylor's Creek.

ROBINVALE

Administration of the Tyntynder North District was transferred to Robinvale Centre, partly from Ouyen Centre and partly from Nyah West.

Stevens recorders have been installed on each of the drainage system outfalls for recording water discharged through the systems.

A further length of 51 miles of private subsurface drains was installed to bring the total to 309 miles or 45.5 per cent. of the total in the designed District layout. Sixteen blocks were connected to District drainage systems and 23 blocks are yet to be connected.

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WIMMERA AND MALLEE DOMESTIC AND STOCK SUPPLIES

WATERING

Favourable conditions prevailed over the latter part of the season and a very satisfactory watering was concluded in 1963 in a period of 213 days.

The rainfall over the past three years has been sufficient for agricultural and pastoral needs, but has not been enough to recover falling levels in the main reservoirs, more particularly at Rocklands where there has been a steady depletion since late 1960. The position could become serious if good inflows are not received before the end of 1964.

The long unbroken hot and dry summer imposed a strain on town supply and farm reservoirs. A slightly earlier than usual start was made with the 1964 watering season, water being released for this purpose in the middle of March, the normal time being mid-April.

SAND DRIFT

The absence of rain until late autumn in Mallee areas caused some sand drift to channels from fallowed land, some of which was worked up inadvisedly and with inappropriate implements. This made it necessary to remove sand blown into channels, and drift preventative work alongside channels was necessary in some areas. Eventually, sufficient rainfall for working the land and sowing crops prevented what might have been a considerable extension of drift on fallowed lands.

WORKS

The enlargement of the Wimmera Inlet Channel, by which water is diverted from the Wimmera River for storage in Taylors and Pine Lakes was completed.

Channel and structure works for delivering water from Lake Bellfield and Fyans Lake into the Channel System downstream of the Lake Lonsdale Outlet were completed and are ready for use.

Further enlargements of town reservoirs at Charlton, Manangatang, Ultima, Marnoo and Pimpinio are either completed or in progress.

Thirty-five worn out timber bridges on main channels were replaced as part of a progressive replacement program.

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FARM WATER SUPPLIES

The Farm Water Supplies Section provides an advisory service on all aspects of water conservation and farm water supplies to landowners outside constituted irrigation districts. During the year, 167 inspections were carried out on properties throughout Victoria and, numerous enquiries were answered by telephone, personal interviews and by post. These were mainly in Gippsland and the north-east of the State.

Lectures, talks and telecasts on farm water supplies were given to interested bodies which included an Agricultural College, and Young Farmers Groups.

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URBAN SUPPLIES

BELLARINE PENINSULA SYSTEM

Water received in bulk from the Geelong Waterworks and Sewerage Trust totalled 499 million gallons, compared with 561 million gallons in 1962-63. During the Summer, restrictions on the use of water for gardens were imposed in all Districts with the exception of the Birregurra, Torquay and Anglesea Urban Districts, from 23rd January, 1964, to 26th February, 1964.

New services numbered 453, bringing the total number of services at 30th June, 1964, to 7,246.

During the year the Commission installed 8.8 miles of trunk and reticulation mains. At Drysdale 0.2 miles of mains were replaced because of age and inadequate size. A total of 6.3 miles of reticulation mains was laid by private subdividers at Clifton Springs near Drysdale and at Barwon Heads, Leopold and Point Lonsdale. As part of the Clifton Springs water supply scheme, the subdividers have almost completed the erection of an 8-million gallon welded steel tank.

The construction of a 45-million gallon excavated storage basin at Queenscliff was commenced.

A pumping unit was installed at the Anglesea storage at the end of the supply channel to boost the discharge to Anglesea during periods of peak demand and a surge tank was erected on the Anglesea pipeline.

Enlargement of the outlet works at the Bellarine Basin was commenced.

Manproof fences were erected around the storage tanks at Portarlington and St. Leonards and at the Torquay and Anglesea Storage Basins.

COLIBAN SYSTEM

Good rains were received on the catchment area during July, and the main storages were practically filled by the end of that month. For the third season, water was supplied to irrigators on the basis of volume allocation permits. The January to March quarter was the driest quarter for 26 years.

New services totalled 365, compared with 359 for 1962-63. The total number of services supplied from the reticulation system at 30th June, 1964, was 18,950.

Improvement works on the Malmsbury-Bendigo Main Channel included the construction of 1.2 miles of concrete flume, the relining of 0.22 miles of trapezoidal section by guniting and the construction of 1.2 miles of access tracks.

Approximately 3.2 miles of extension mains and 1.7 miles of replacement mains was laid in Bendigo, Castlemaine, Elphinstone, Newstead and Fryerstown. Cleaning and cement mortar-lining of cast iron mains *in situ* was carried out on a total of 5.1 miles of 3, 4, 6, 7, 12, 18 and 20-in. diameter cast iron mains in Bendigo, Marong and Taradale.

Total lengths of 0.30 miles of 12-in. 0.28 miles of 15-in. and 0.16 miles of 30-in. diameter steel mains were laid to improve supply to the North and East Bendigo areas.

A small pump was installed at the Lazarus-street booster pumping station in April to meet demands during off-peak periods. The construction of a booster pumping station in Charleston-road to supply the East Bendigo high-level area was commenced.

MORNINGTON PENINSULA SYSTEM

A total of 2,460 new services was added to the system compared with 2,117 added in 1962-63. The number of services supplied by the system at 30th June, 1964, was 30,404.

Control of the water supply to a further section of the East Dandenong area involving approximately 200 services was transferred from the Commission to the Melbourne and Metropolitan Board of Works on 1st July, 1963.

Restrictions on the use of water were imposed in all areas except the Dandenong-Springvale and Hampton Park Urban District from 4th January, 1964, to 25th February, 1964.

The Bunyip Main Race was shut down for ten and one half weeks for construction and maintenance and during this period the construction of the remaining section of the concrete flume upstream of the Toomuc Siphon was completed. The installation of the 8.5 mile length of 36-in. diameter steel main between Bittern Reservoir and Dromana Reservoir was completed, and, after testing and chlorinating, was placed in service.

Throughout the System, a total length of 40 miles of new reticulation mains was laid. This included 17.5 miles in the Dromana-Portsea Urban District and 12.8 miles laid by private subdividers. A total of 2.7 miles of mains was replaced. To improve supply to the Portsea area, 1.4 miles of 15-in. diameter asbestos cement and 15-in. diameter steel mains was laid.

A length of 0.5 miles of 15-in. diameter steel main was laid from the nearest supply point in Wooleys-road as the first phase of works required to provide a supply to the Westernport Refinery being constructed at Crib Point. This main is being extended along Wooleys-road and Myers-road in 21-in. diameter steel pipe to connect with the new 21-in. diameter Naval Base Pipeline being installed to replace a length of 3.5 miles of existing 12-in. diameter main.

The installation of the Dromana-Portsea supply main was continued and 3 miles of 30-in. and 33-in. diameter steel main was laid from Rye to Blairgowrie. A 15-in. diameter cross connexion was laid in St. Johns Wood-road between this main and the existing trunk main in the Nepean Highway.

A pumping station was erected at the existing site of the Rosebud service basin to supply the recently completed Rosebud-McCrae high-level water supply system.

The construction of a 250,000-gallon welded steel tank at Tyabb, and a 100,000-gallon welded steel tank at McCrae was carried out by contract.

Excavation of the bench site for two 500,000-gallon welded steel tanks at the northern end of Safety Beach for the Mount Martha-Safety Beach water supply scheme was completed.

The construction of the pumping station at Devilbend Reservoir was commenced.

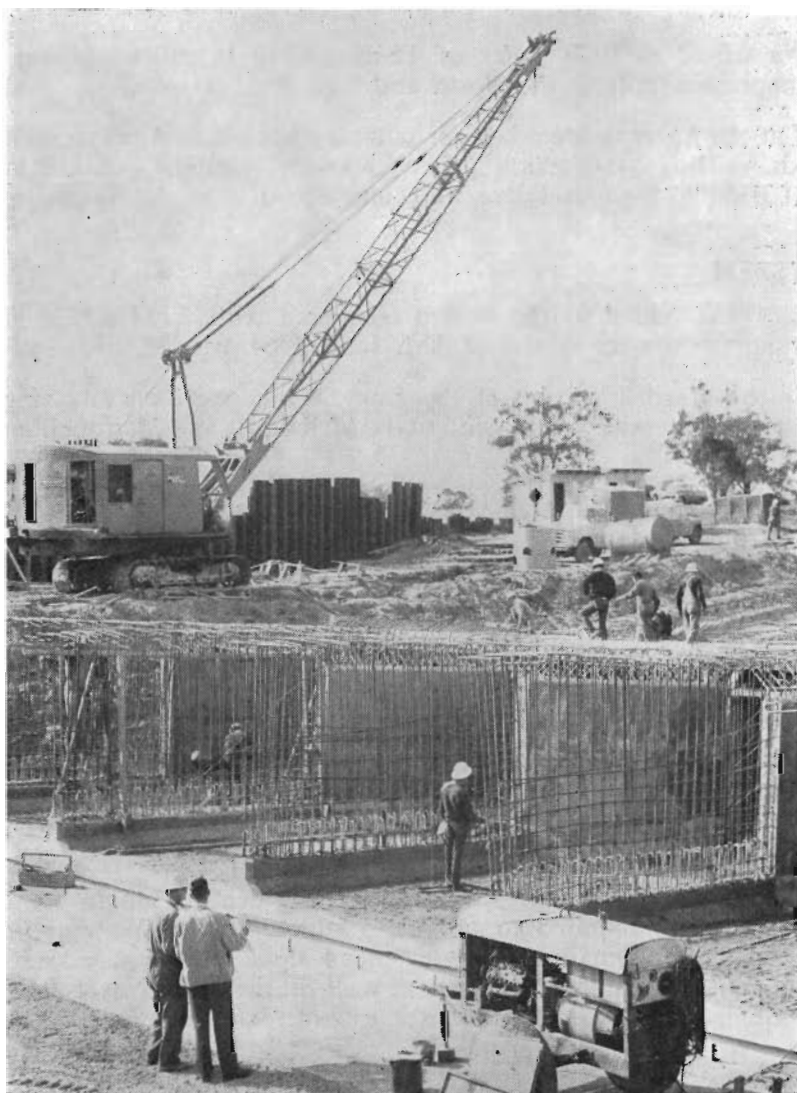
Trees and shrubs provided by the Commission's Lysterfield Nursery were planted around reservoirs and service basins and the replacement of existing fences around reservoirs and service basins with man-proof security fences was continued.

OTWAY SYSTEM

The total quantity of water discharged through the Otway Main Pipeline was 1,142 million gallons, consisting of 681 million gallons diverted from Arkins Creek and 461 million gallons pumped from the Gellibrand River between October and May. New services numbered 92, compared with 34 for 1962-63. The total number of services supplied by the system at 30th June, 1964, was 3,334, in addition to those in the City of Warrnambool, which purchases water in bulk from the Commission.

The booster stations pumped the following quantities of water—Carpenters 1,035 million gallons, Mt. Ewen 782 million gallons and Terang 733 million gallons. The Cudjee booster pumping station was not used during the year.

The volume of water supplied to the City of Warrnambool was 512.3 million gallons. The pumping station at Brierly Basin was operated as required, between October and April, to augment supply to the low-level storage in Warrnambool.



The siphon to take the Waranga western main channel over a floodway near Colbinabbin. Each cell is 14-ft. wide by 10-ft. high. It replaces an old wooden flume.

A rural extension consisting of 7 miles of 4- and 6-in. diameter asbestos cement pipes was installed to supply 32 farms in the Devils Gully area.

The installation of a water supply scheme to serve Noorat and Glenormiston is in progress. A length of 5.3 miles of 10-in. diameter asbestos cement main has been installed, and the erection of an 800,000-gallon steel tank is in progress.

The duplication of 2.6 miles of the Otway Main Pipeline between Tank Hill Reservoir and Cudjee with 21-in. diameter steel pipe was completed. Work is in progress on the duplication of the Otway Main Pipeline for 4.2 miles immediately upstream of Tank Hill Reservoir with 18-in. diameter steel pipe. For some 2.2 miles of this length the new pipeline is being laid above ground.

WONTHAGGI URBAN DISTRICT

Work continued on cleaning and cement mortar-lining of cast iron reticulation mains *in situ*, and a total of approximately 3.1 miles of 3- and 4-in. diameter mains was treated in the North Wonthaggi and Wonthaggi areas.

LOCAL AUTHORITIES

TOWN WATER SUPPLIES

New town supplies were brought into operation at Anakie, Apsley, Axedale, Barmah, Cudgewa, Darnum, Melton, Miners Rest, Springhurst and Timboon.

Five new Trusts were constituted for the supply of water to Bungaree and Wallace, Peterborough, Port Campbell, Seaspray and Thornton. The Lowan Shire Waterworks Trust was abolished and the water supply formerly administered by the Trust is now continued by the Lowan Shire Council under the Local Government Act.

There are now 183 local water authorities constituted to supply water for domestic, general and industrial purposes to 236 towns, under the general supervision of the Commission. Of these, 171 authorities have works serving 210 towns. Some of these also provide domestic and stock supplies to farms outside the towns.

Loan and Other Expenditure

Loan expenditure by waterworks trusts and local governing bodies on country town water supplies in 1963-64 was £1,432,425 and of this amount £1,402,500 was provided by the Government, while the remaining £29,925 was raised by a number of authorities from private sources.

Further Government loan funds totalling £194,952 were provided for the Latrobe Valley Water and Sewerage Board, and the new reserve storage at Hazelwood, together with associated pipelines and pumping stations, was almost completed. This Board has also carried out investigations and designed water supply and sewerage services for the proposed new town of Hazelwood to be developed by the Housing Commission.

A total of £600,000 was borrowed privately by the Geelong Waterworks and Sewerage Trust. Works completed during the year include an 18 inch diameter main to a large industrial area at Point Henry and a booster pumping station at Highton. Contracts were let for the construction of the final stages of the West Barwon Dam, including the outlet works. Substantial additions to the Trust's offices are nearing completion.

The total capital expenditure on town water supplies in 1963-64 was £2,227,377, of which £1,597,452 was met from Government loan funds.

Other Works

The extensive scheme for supply of water to Bass, San Remo, Newhaven and Cowes on Westernport is almost complete. Gravitation pipelines were completed at Lakes Entrance and Warragul, 20 miles and 11 miles in length respectively, and the supply main to Horsham is being enlarged in stages.

A new storage of 125 million gallons capacity was commenced at Daylesford ; and service storages, each of 40 million gallons capacity, are well advanced at Colac and Donald. Service storages were completed or are being constructed at Foster, Healesville, Noojee, Shepparton and Swan Hill.

Major reticulation improvements and extensions were undertaken at Ballarat, Echuca, Moe, Stawell and Warrandyte.

Further progress was made by the First Mildura Irrigation Trust on the channel and drainage improvement programme at Mildura.

SEWERAGE AUTHORITIES

Three new Sewerage Authorities were constituted for Cohuna, Toora and Willaura, bringing the total number of Sewerage Authorities to 75 (excluding the Geelong Waterworks and Sewerage Trust and the Latrobe Valley Water and Sewerage Board). These Authorities operate under the general supervision of the Commission, but the Commission directly controls the sewerage system at Eildon.

Two sewerage schemes were completed at Mooroopna and Tatura and the installation of house drains has commenced. There are now 55 local authorities with sewerage works in operation.

The new town sewerage system at Red Cliffs is nearing completion and the sewerage of Lang Lang has commenced.

Extensive additions and improvements to existing sewer reticulation systems were commenced at Bairnsdale, Kyabram, Springvale and Noble Park, Swan Hill, Warrnambool and Wangaratta. Additions to treatment works were constructed at Bairnsdale, Bacchus Marsh, Maffra, Mount Beauty and Shepparton.

Sewerage Authorities operating under the Sewerage Districts Act expended £2,171,000 during the year, of which £475,000 was provided by the Government as loan or grant. The balance was borrowed from private sources. In addition, the Latrobe Valley Water and Sewerage Board received £130,048 from Government funds for further development of its disposal farm at Dutson. This will be mainly used for improvement of existing irrigation areas and the preparation of new areas for irrigation, and for minor improvements to the Latrobe Valley Outfall Pipeline.

The Geelong Waterworks and Sewerage Trust borrowed £450,000 privately for its extensive construction program of reticulation, sewer extensions and two new pumping stations.

The total expenditure on sewerage works in country cities and towns was therefore £2,751,048 of which £605,048 was provided from Government Loan Funds.

* * * *

FLOOD PROTECTION, DRAINAGE AND RIVER IMPROVEMENT

KOO-WEE-RUP FLOOD PROTECTION DISTRICT

Work on the Yallock Outfall Scheme was completed to Walker's drain. Maintenance work included 15 miles of drains reconditioned by excavators, 81 miles cleaned by manual labour and 46 miles treated with spray. Repairs were effected to 37 road and five occupation crossings and nine other structures. One occupation bridge was replaced and two road bridges were reconditioned.

CARRUM DRAINAGE DISTRICT

Considerable progress has been made with the construction and remodelling of drainage works in the area. The enlargement of the Eel Race and Wadsley's drains is in progress.

A regulator and pump unit has been installed to enable sea water to be pumped into Kananook Creek just below the Riviera Outlet. This pump, for flushing the creek with sea water, has considerably improved the condition of the creek down to Frankston.

Topping of the south-east levee of the Carrum Outfall for a distance of approximately 3 miles has been completed, bringing the crest to approximately 5·5 feet above 1934 flood level.

Maintenance has consisted of 30 miles of drains and banks sprayed to kill weed growth and 5 miles cleaned by manual labour. Three and a half miles of access track has been constructed and 8 miles cleared for maintenance operations.

RIVER IMPROVEMENT AND DRAINAGE TRUSTS

Two new Trusts were formed in 1963-64, the Seymour Shire River Improvement Trust for the Goulburn River in that Shire and the Cann River Improvement Trust in East Gippsland. The total number of Trusts now operating under the River Improvement Act is 24, four of which are Drainage Trusts.

Expenditure for the year by these Trusts on new works was £220,000, of which the Government provided £181,402 by way of grant. The total expenditure on river improvement and drainage by these Trusts now amounts to £1,903,912.

DANDENONG VALLEY AUTHORITY

The Dandenong Valley Authority was appointed on 17th June, 1964, under new legislation—the Dandenong Valley Authority Act—to control arterial drainage and carry out river improvement in the 300 square miles of the Dandenong Creek Catchment adjoining the metropolis of Melbourne.

This is a notable event, for one Authority, comprising representatives elected by the fourteen Municipalities concerned, with three Government nominees, now has authority to handle drainage problems within a whole catchment. This is vitally important in this area of rapid urbanization. Increasing drainage problems arising from widespread residential and industrial development may now be dealt with in accordance with a properly co-ordinated plan. Rating by the precept system will operate over the whole District of this Authority and will enable the necessary large-scale works to be financed.

ASSOCIATED DEPARTMENTAL COMMITTEES

The Sludge Abatement Board, the Drainage Consultative Committee, the Interstate Committee on Murray Levees and the Interstate Departmental Committee for River Murray Works met at various times throughout the year to deal with river improvement and land drainage problems.

A new Departmental Committee, comprising representatives of the Snowy Mountains Hydro-Electric Authority, the Water Conservation and Irrigation Commission (New South Wales), and the State Rivers and Water Supply Commission, was formed to advise on works to control flooding and erosion following diversions to the Upper Murray River from the Authority's Snowy-Murray works.

RIVERS AND STREAMS FUND

Ninety-one grants from this fund totalling £50,352 were made during the year to various municipalities and other local authorities throughout the State towards the cost of river improvement. Surveys of several important rivers were continued with finance from this fund.

Since the Fund was initiated in 1930, 2,327 grants totalling £690,744 have been made.

Revenue to the Fund totalled £57,477, comprising £34,962 from fees received by the Lands Department for the licensing of stream frontage reserves, and £22,515, the nett income from licences and permits issued by the Commission to divert water from surface sources in the State.

During the year £10,045 was provided from the Fund to the eighteen Trusts eligible to receive Frontage Grants.

LAKE CORANGAMITE RECLAMATION PROJECT

The level of the water in Lake Corangamite rose by 8 inches in the winter and spring of 1963 and then fell by 23 inches throughout the following summer and autumn. By 30th June, 1964, it was 5 ft. 5 in. below the peak flood level of October, 1960.

The water level has thus been lowered as a result of the diversion of inflow and by natural evaporation to the half-way point between the peak flood level and the former "normal" water level.

During the year 29,000 acre feet of water was diverted from the Woody Yaloak River via the channel to the Barwon River, over periods totalling 171 days. The diversions for the four years of operation now total 131,000 acre feet. But for these diversions Lake Corangamite would now stand 21 inches higher and would cover an additional 1,900 acres of agricultural land.

During the first half of July, 1963, the pumping of saline water from the Cundare Pool into Lake Corangamite proper was continued, and a further 1,000 acre feet of water, containing 100,000 tons of salt in solution, was transferred to the Lake before winter floods entered the Pool.

On 30th June, 1964, the Cundare Pool was 8 ft. 6 in. below peak flood level and able to impound 60,000 acre feet of floodwater which would so dilute the salt water remaining in the Pool that the impounded waters could be safely released to the Barwon River via the diversion channel.

* * * *

MAJOR WORKS

The survey, investigation, design, construction and maintenance of the major works of the Commission are grouped under the Major Works Branch, the work of which has been greatly facilitated by the introduction of the 10-year programme of water conservation works. A considerable amount of forward planning has already been made possible.

INVESTIGATIONS FOR FURTHER WORKS

TEN-YEAR PROGRAMME

Following investigations into the possibilities for constructing storages on a number of streams, the Premier on 12th July, 1963, announced a long-term programme of country water supply works for the next ten years.

This programme included the following :—

1. *Devilbend Reservoir* (capacity 12,000 acre feet) which was almost completed during the year and which is required to meet the rapid expansion of population and industry in the Mornington Peninsula.
2. *Lake Bellfield* (capacity 60,000 acre feet), on Fyans Creek near Hall's Gap, which will serve as a reserve storage for the Wimmera-Mallee System.
3. *Buffalo River Storage*, (capacity 16,000 acre feet), just below Yarrarabula Creek, which will safeguard supplies to private diverters in the Buffalo and Ovens River valleys and also the City of Wangaratta. This is the first stage of a much larger dam (capacity 800,000 acre feet) which it is planned to commence in 1968-69 and finish five years later. This larger dam will control most of the flow of the Buffalo River.

4. *Corop Lakes*. These two lakes near Rochester will be developed as water supply storages with a combined capacity of 48,000 acre feet. They will be filled in the winter from the Waranga Western Main Channel and in the summer water will be pumped back into the channel to meet peak demand of irrigators.



Excavating No. 2 main drain,
Swan Hill Flats drainage scheme.

5. *Tarago Reservoir* (capacity 20,000 acre feet). This will be built on the Tarago River at Neerim to serve as a headworks storage for the Mornington Peninsula. It is planned for completion in 1967.
6. *Nillahcootie Reservoir* (capacity 35,000 acre feet), which will be built on the Broken River near Mansfield. This will be used to supply water within the Broken River valley and construction is planned to start in 1965-66.
7. *Lake Merrimu* (capacity 40,000 acre feet). This dam will be built on Coimadi Creek near Bacchus Marsh and will be filled by diversion from the Lerderderg River. It will safeguard high value irrigation production in the Bacchus Marsh and Werribee areas and allow for anticipated industrial expansion. This work is planned to commence in 1966-67.
8. *Lake Mokoan* (capacity 300,000 acre feet) will be constructed at Winton Swamp, near Benalla. This will be operated in conjunction with Eildon Reservoir, to supply water to the Goulburn System.
9. In addition to the above construction works, Victoria is committed to one-quarter of the financial responsibility for the construction of *Chowilla Reservoir* on the Murray River for which payments will commence in the financial year 1964-65.

TORRUMBARRY SYSTEM

Investigations were completed into remodelling that part of the Torrumbarry System between Kow Swamp and Swan Hill and evidence was presented to the Public Works Committee.

It is proposed to construct a low-level main carrier from Kow Swamp to Lake Kangaroo, mainly along the route of Pyramid Creek and the Lakes Channel. Several swamps and small lakes would be by-passed and the larger lakes would become effective storages.

WANNON RIVER

Investigations of river flows, water quality and possibilities for future development in the catchment of the Wannon River and its tributaries were continued.

MELBOURNE WATER SUPPLY

Further investigations were made into methods of augmenting the water supply of the Melbourne metropolitan area, to enable evidence on this matter to be given to the Parliamentary Public Works Committee.

AVOCA RIVER

An investigation was carried out into the water resources of the lower end of the Avoca River.

OTWAY RANGES

A comprehensive investigation of the water resources of the Otway Ranges was commenced.

MORNINGTON PENINSULA SCHEME

Studies were made of possible long-term development of the headwaters of the Bunyip and Tarago rivers.

DESIGN

RURAL WATER SUPPLIES

Drainage channel design was continued for the Murray Valley, East Goulburn, Central Goulburn, Rochester, Tragowel Plains, Central Gippsland (Macalister District), Werribee and Swan Hill Irrigation Areas. Designs for the Dunbulbalane Closer Settlement Area were practically completed and drains and drainage structures are being designed for the Carrum Drainage Area.

Designs were prepared for remodelling and enlarging channels, channel structures and bridges in the East Goulburn, Central Goulburn, Rochester and Boort Areas and the Campaspe District. Subdivision planning and irrigation channel designs were practically completed for the Dunbulbalane Closer Settlement Area.

Designs are in progress for pumping stations to improve irrigation supplies in the Swan Hill Area. Reconstruction designs of parts of Cohuna Weir, together with designs for three weirs and a channel outlet in the Wimmera River Basin were undertaken.

CONSERVATION WORKS

Designs were completed for reconstruction of the Stuart Murray Canal Offtake Regulator at Goulburn Weir, and for the construction of the pipeline from Lake Eppalock to Bendigo, with the associated minor works.

Designs for catch drains and ancillary works for the Devilbend Reservoir Project and designs for the Lake Bellfield Project were substantially completed.

Investigations and designs for the major components of the First Stage of the Buffalo Dam are approaching completion and detail drawings have been commenced.

Field investigations, including a geophysical survey, of the dam site of the Tarago River Storage Project are well advanced and early planning for detailed designs is in hand.

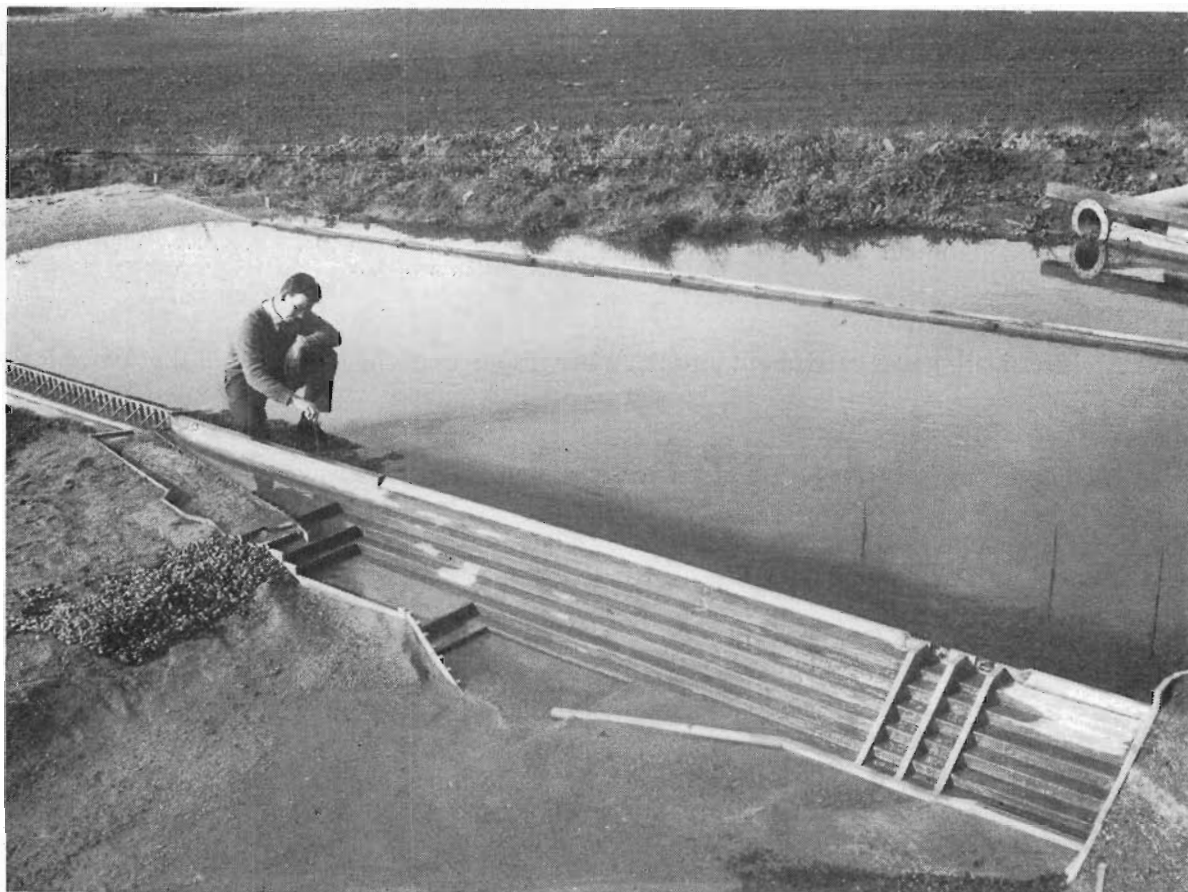
Investigations of the spillway of Melton Reservoir, including hydraulic model studies, were carried out in connexion with proposed improvements.

Designs and drawings were completed for steel sheeting and sand-sluicing devices at Mildura Weir.

HYDRAULIC EXPERIMENTAL STATION, WERRIBEE

Water-metering investigations included the calibration of Dethridge Meter Outlets under varied operating conditions and field testing on eleven types of bearings. Progress was made on rating tables for standard drop-bar and spur offtake structures.

A scale model of Lake Bellfield Spillway was hydraulically tested to check performance. Other tests included models of structures on Kananook Creek, the Wombat Creek Dam Spillway, Toolondo Siphon-Norton Creek Offtake, and models to solve scour problems at large channel drop structures. Assistance was given to the Public Works Department in connexion with a model of Lakes Entrance Harbour and testing was carried out on behalf of waterworks Trusts.



Campaspe Weir scale model (1 : 24) built at Werribee Hydraulic Research Station to study structure behaviour for flood flow and means of repairing original timber walls. Originally built in the 1890's the weir has been largely rebuilt in concrete.

HYDROLOGIC RESEARCH

Research into the quantitative treatment of hydrologic data was continued to examine a new method of determining the water available from a reservoir. An investigation was started into the rainfall-runoff relationship for medium-sized catchments.

CONSTRUCTION

GOULBURN—MURRAY IRRIGATION SYSTEM

Expenditure on works in the remodelling programme totalled approximately £1,150,000 including £220,000 spent on drainage.

Channel construction and enlargement continued in the North Shepparton, Rodney and Tongala-Stanhope Areas ; and was commenced in the Deakin and Rochester Areas. Drainage channels were constructed in the North Shepparton, Rodney and Deakin Areas.

In North Shepparton 17 miles of irrigation channels and 10 miles of drainage channels were constructed to serve the Dunbulbalane Closer Settlement area. Irrigation channels in this area now total 47 miles and drainage channels 49 miles.

In the Rodney and Deakin areas a further 2 miles of the relocated Deakin Main Drain and 3 miles of the Mosquito Depression drain was completed.

The construction of the measuring structure of 2,000 cusecs capacity on the large Waranga Western Main Channel was completed and the reconstruction of one major siphon and three road bridges on that channel was commenced.

The pumping station on the Campaspe River to lift water into the Waranga Western Main Channel at Rochester was completed and placed in service.

Construction depots were established at Rochester and Kerang to service works in those areas. Construction of a small weir on the Little Murray River at Fish Point downstream from the junction of the Loddon River, and a pumping station on the Murray River at Swan Hill was commenced. These works form part of a scheme to improve supply to the Swan Hill Irrigation Area.

MURRAY VALLEY IRRIGATION AREA

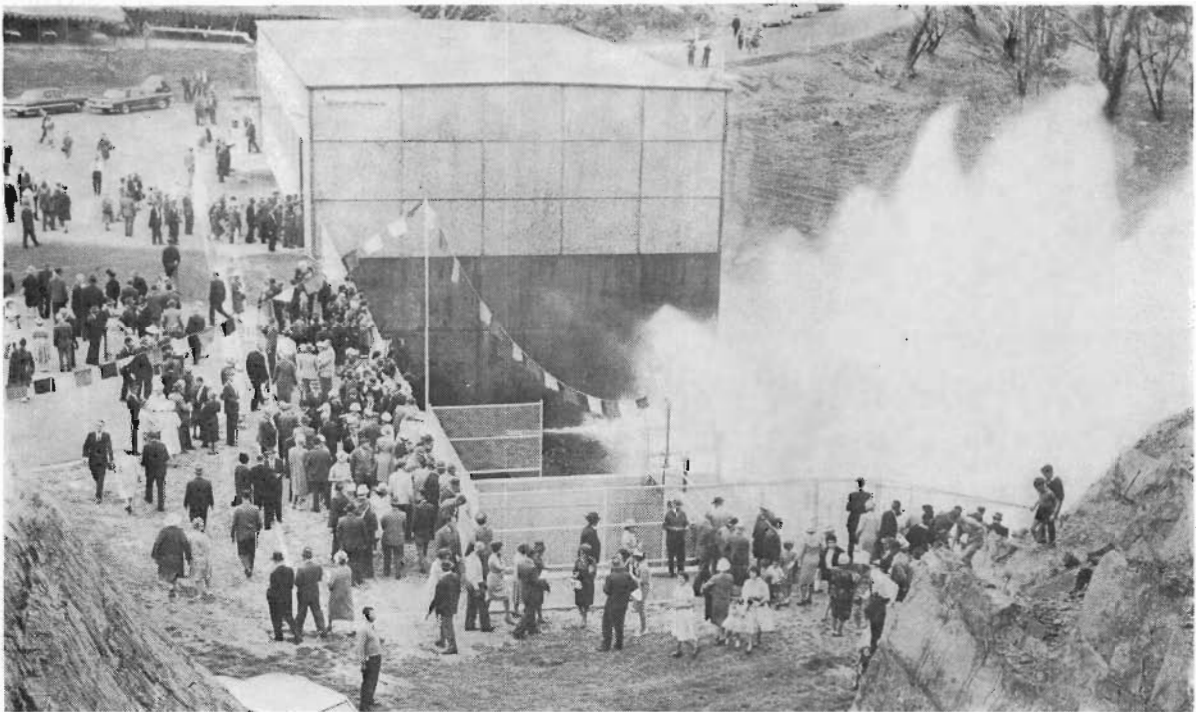
Construction of drains to serve the Soldier Settlement Subdivision was continued, the total length of drain now in service being approximately 206 miles. Further work was done to improve the waterways of the Nine Mile and Broken Creeks. Expenditure during 1963-64 was £100,000.

EPPALOCK RESERVOIR PROJECT

The construction of the pumping station and pipeline to deliver water to Bendigo from Lake Eppalock was completed. The works were formally opened by the Hon. the Premier on 17th April, 1964.

Lake Eppalock is proving to be a major tourist attraction and extensive development of facilities for aquatic activity has taken place at many points around the foreshore.

Construction of channels to serve the Campaspe Irrigation Area was commenced and the offtake regulator and approximately 3 miles of the main channel were completed.



This spectacular water spray, rising nearly 50 feet, came when Lake Eppalock water was released at the opening ceremony on 17th April, 1964.

LAKE BELLFIELD PROJECT

Construction of Bellfield Dam was continued and the project is now well advanced. Approximately 500,000 cubic yards of earth and rock fill has been placed in the structure. Road deviations made necessary by the reservoir are under construction.

DEVILBEND DAM PROJECT

The construction of the main embankment and outlet works of the Devilbend Reservoir, which will store 12,000 acre feet of water to augment summer supplies to the Dromana-Portsea Urban District in the Mornington Peninsula area, was substantially completed. Storage of water commenced on 8th May, 1964. At 30th June, 1964, approximately 1,750 acre feet of water was held in store.

Work is continuing on construction of the pumping station and pipeline to deliver water from the reservoir to the Dromana pipeline.

BUFFALO PROJECT

The erection of a depot to service the construction of the Buffalo Dam, 10 miles south of Myrtleford, was commenced during April, 1964. The dam was officially commenced on 28th May, 1964, on which date the Hon. the Premier detonated an explosive charge to mark the event. It is expected that storage of water will commence during the winter of 1965.

CENTRAL HIGHLANDS PROJECT

Further work on the aqueduct between Bolwarrah Reservoir and the Werribee River to convey water from Newlyn Reservoir to Bacchus Marsh was carried out by the Geelong Waterworks and Sewerage Trust.

MAJOR STORAGES MAINTENANCE

Regular general maintenance was carried out at all Reservoirs.

Remedial work on the paving at Hume Reservoir displaced by wave action during severe storms was continued ; additional rock is being placed by the New South Wales Construction Authority to provide permanent protection as approved by the River Murray Commission.

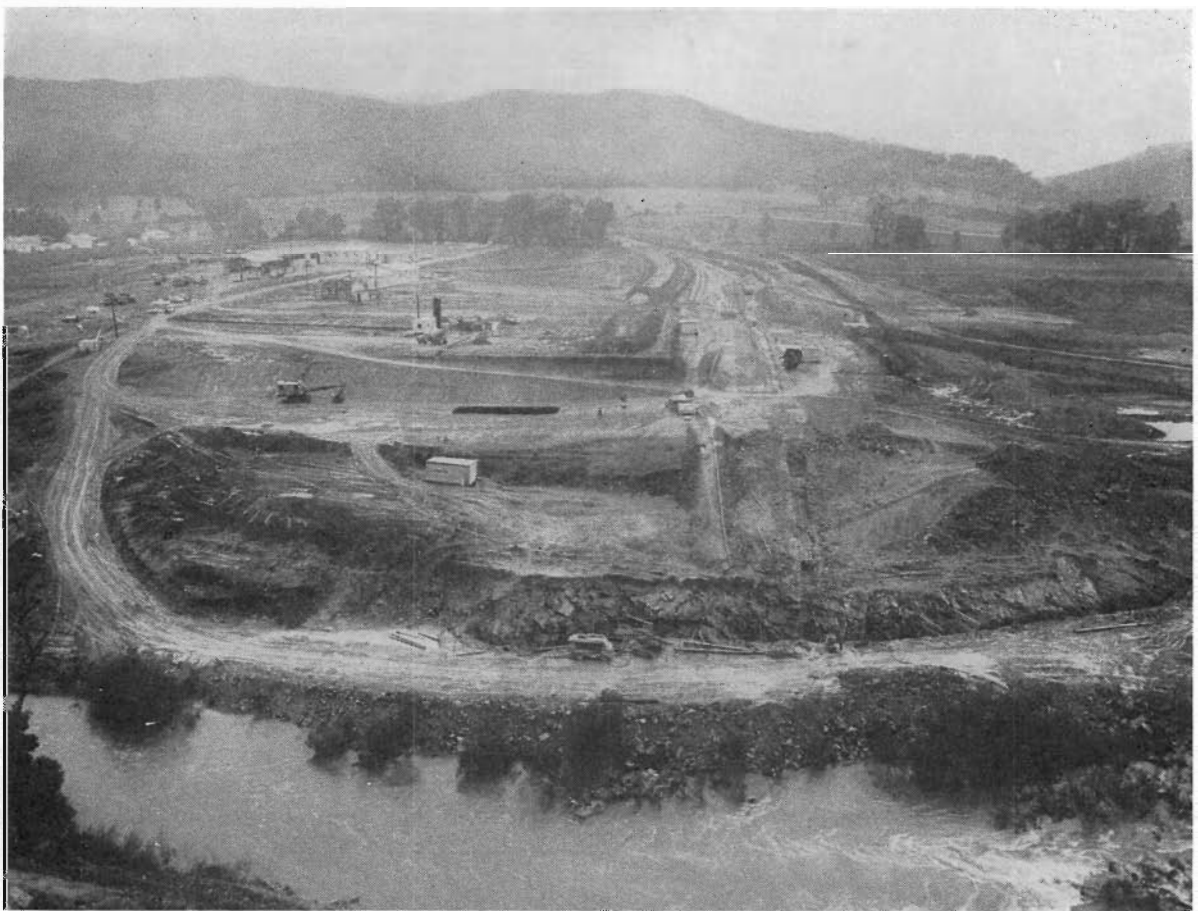
The 22 vertical-lift gates at Goulburn Weir were reconditioned. Reconstruction of the offtake regulator of the Stuart Murray Canal was commenced. This involved repair or replacement of the original gates installed in 1891.

Two of the three radial gates at Cairn Curran Reservoir were cleaned and painted and new hoisting ropes were fitted.

HOUSING AND BUILDING CONSTRUCTION

Fifteen new staff residences in country districts were built and contracts were let for eleven others.

Contracts were let for additions to offices at Boort and Shepparton and work is proceeding. Additions to the Cobram Office were completed.



Buffalo Dam, first stage. Preliminary excavation for core trench. Earth mounds on either side of trench are boundaries of first stage dam which will become upstream toe of large 260-ft. high dam with boundary well to left.

ENGINEERING LABORATORIES

BACTERIOLOGICAL LABORATORY

Regular bacteriological examination of water samples from country town water supplies was continued for the Commission's main urban districts and also for local water authorities.

These examinations determine the presence of various types of bacteria which indicate the extent of any pollution of the supply. They also check the effectiveness of pollution control measures and water treatment processes already in operation and indicate the need for any additional precautions to safeguard the purity of water supplied to consumers.

Investigations in several cases, following unsatisfactory test results, showed that chlorination of these supplies would be desirable and led to the installation of the necessary chlorination equipment.

The expanding routine testing now includes 53 local authorities. A total of 1,657 samples was examined during the year.

CEMENT AND CONCRETE LABORATORY

Standard tests were conducted on 51 samples of Portland cement. Compression tests were made on 408 concrete specimens.

CHEMICAL LABORATORY

Water quality analyses were carried out on 1,929 samples and chemical tests were made on 47 samples of cement.

SOIL MECHANICS LABORATORY

Soils from 64 localities were tested to provide data for the design and construction of Devilbend, Lake Bellfield, Buffalo River, Tarago and Lake Mokoan Dams ; for seven Waterworks Trusts' Reservoirs ; and for channel works, pipelines, service basins and regulating structures.

In connexion with the examination of materials for use in reservoir embankments and with work to check seepage from earthen channels, research work has been concentrated on the properties of dispersing clays and developing laboratory procedures for examining these and other electro-chemically unstable soils.

MATERIALS INSPECTION

Inspection and testing of structural materials and manufactured products including pipes, concrete components, metal work, valves and meters was continued for the Commission's use, and for other Authorities.

ENGINEERING RESEARCH SECTION

Field investigations were commenced using strain gauges to study the behaviour of buried pipelines in service. Other activities included the testing of protective coatings for metalwork and pipes.

Active participation was maintained in the preparation of Australian Standards Specifications for concrete, steel, cast iron and plastic water pipes, for concrete box culverts and for rubber jointing rings.

SURVEYS, HYDROGRAPHY AND PLANS

The loss of qualified surveyors continued during the year and is seriously holding up urgent work. At 30th June, there were nine positions vacant for Licensed Surveyors.

Land resumption and easement surveys were completed in 358 properties, and farm lay-out surveys were undertaken for 35 irrigators. Siltation sections were set out in Pine Lake Reservoir.

Topographic surveys were carried out on the Broken and Nine Mile Creeks, and parts of the Broken and Lower Snowy Rivers. Three-inch contour surveys were continued in Rochester, Swan Hill and Tresco Areas. A total area of 4,400 acres was covered.

Surveys were continued of dam sites on the Tarago, Broken, Buffalo and Lerderderg Rivers and at Winton Swamp.

Irrigation and drainage investigation surveys were made in the Torrumbarry System, Rochester, Campaspe, Rodney, Deakin, Carrum, Koo-Wee-Rup, Murray Valley, Shepparton, Maffra-Sale, Nambrok-Denison, Bacchus Marsh and Werribee areas. Pipeline investigations and location surveys were made in the Otway, Noorat-Glenormiston, Rye-Sorrento and Wonthaggi areas.

MAPS AND PLANS

During the year, 548 title survey plans, 1,497 engineering plans and sections and 581 graphs and general plans were completed. The Plan Room issued 11,820 prints of original plans, 20 photo-maps and 1,170 aerial photographs.

HYDROGRAPHY

The number of discharge measurements for the year was 1,963, of which 1,706 were on natural streams and 257 on channels and drains. The total number of stream gauging stations at 30th June, 1963, was 377, including 290 automatic recorder stations.

PHOTOGRAPHY

During the year, 2,364 photographic films, 7,822 photographic prints and 72,240 plan prints were processed.



The tellurometer measures distances by the time of reflected radio waves between two such instruments. The system is accurate to about 6 inches in 20 miles.

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VALUATIONS

RATING VALUATIONS

Rating valuations were carried out in the East Loddon, Normanville, Tyntynder North and West Loddon Waterworks Districts by the Commission's valuation staff. Further valuations for Commission rating purposes were carried out by municipal valuers in the Axe Creek and Harcourt Waterworks Districts.

During the year the Commission used, for the first time, rating valuations made and supplied by municipal concncls within the following districts and areas.

District or Area.						Municipal Valuation used— Percentage of Total Assessments.
Axe Creek Waterworks District	..	..	..	..	..	100
Harcourt Waterworks District	..	..	..	..	..	100
Part Murray Valley Irrigation Area	...	..	..	..	..	64
Tongala-Stanhope Irrigation Area	..	..	..	..	..	100
Werribee Irrigation District	..	..	..	..	..	100

LAND CLASSIFICATION

Land classification to determine the suitability of commanded lands for the apportionment of water rights was carried out in the Goulburn-Murray District.

LAND ACQUISITION

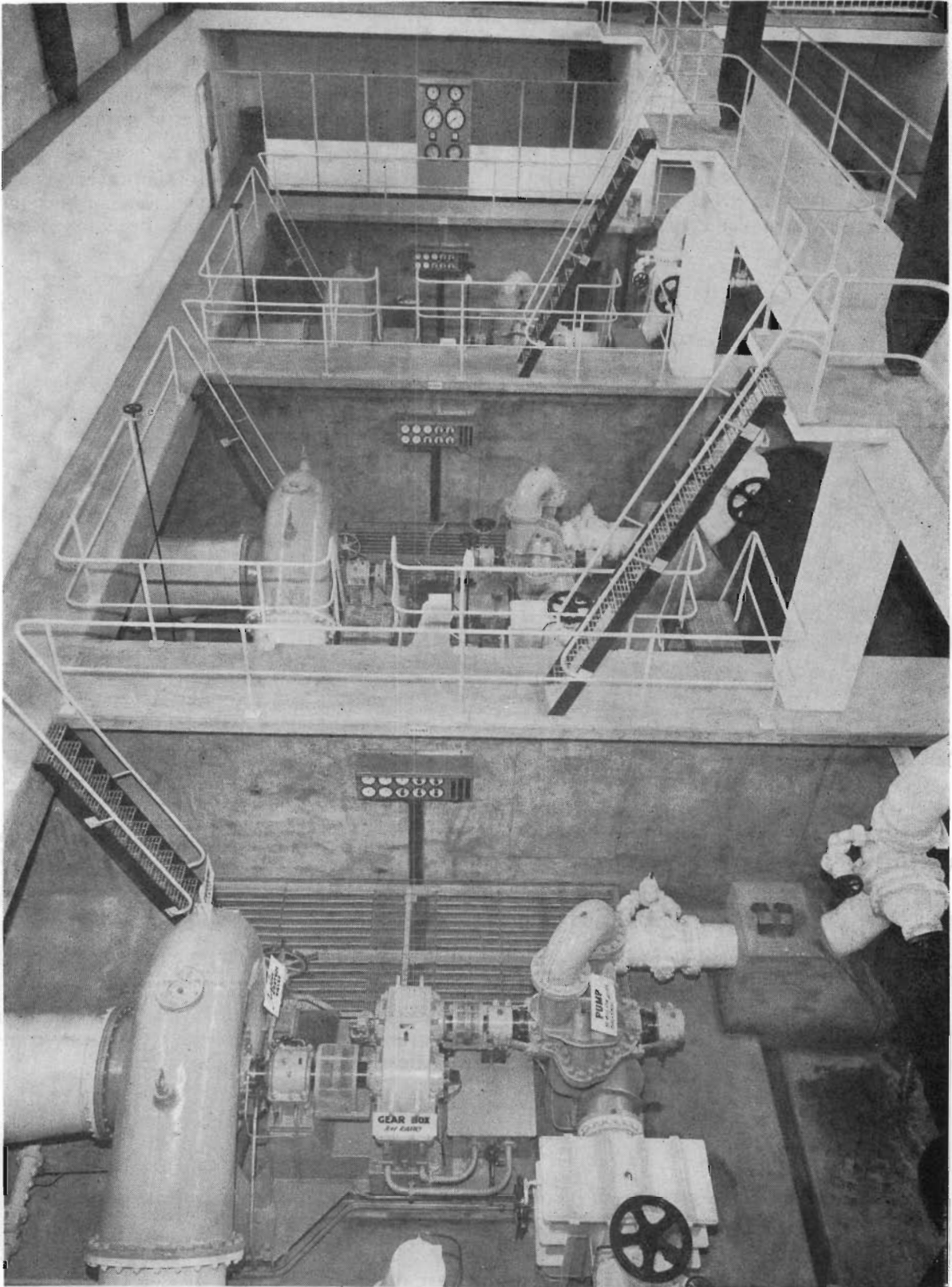
Claims were received in respect of land acquired for Eppalock, Devilbend, Bellfield, and Buffalo Reservoirs and for irrigation and drainage works in the Goulburn-Murray and Macalister Irrigation, Wimmera United and Upper Wimmera Waterworks, and the Mornington Peninsula, Bellarine Peninsula and Otway Districts.

Approximately 420 Notices to Treat and Appropriations were issued and a similar number of claims received. Agreement was reached in 276 land acquisition cases. The claims totalled £727,519, but were settled for £376,148. Approximately 270 claims were awaiting assessment of compensation at the end of the year.

PUMPING STATIONS AND PUMPING PLANT

The Commission operates pumping stations on or near the Murray River, together with smaller pumping stations which supply water to farms on high lands, mainly in the Wimmera and Mallee Divisions. Other pumping plant is operated for water supply to over 60 towns and for many district drainage works.

The total quantity of water pumped for irrigation and domestic and stock water supplies was 196,632 acre feet. This included 108,243 acre feet pumped from the Murray River.



Lake Eppalock pumping station water turbines and pumps. In the first such Australian use, water released operates the 1100 H.P. turbines to drive pumps which send water to Bendigo area.

NEW PUMPING PROJECTS

Campaspe Pumping Station.—A pumping station of 200 cusecs capacity on the Campaspe River near Rochester, was constructed for the utilization of Lake Eppalock water, through the Waranga Western Main Channel system. It was officially opened by the Minister of Water Supply on 17th November, 1963.

Eppalock Pumping Station.—The Eppalock pumping station was officially opened by the Premier on 17th April, 1964. This unique pumping station utilizes the energy in water released for irrigation purposes and passes through hydraulic turbines directly connected through gear boxes to pumps which can lift water to the Coliban System at Bendigo at rates of up to 20 million gallons per day, against a head of 600 feet.

Devilbend Pumping Station.—Work is in progress on the construction of a pumping station at Devilbend Reservoir to supplement supplies to the Dromana-Portsea Urban District of the Mornington Peninsula District at rates of up to 22 million gallons per day.

Swan Hill and Pental Island Pumping Stations.—Major pumping stations for supply to the Swan Hill Irrigation Area from the Murray River are being constructed at Swan Hill and Pental Island. The total capacity at present being installed is 260 cusecs, with provision for increasing to 370 cusecs. The installation at Swan Hill will replace temporary pumps which have been used to supplement existing gravity supplies.

Urban Pumps.—New pumping plant has been installed or ordered for improved services at Anglesea, Beulah, Brim, Bendigo, Merbein, Murrabit, Piangil, Rosebud and South Frankston. New stations are under construction for supply to Noorat-Glenormiston and the Safety Beach high-level area.



Campaspe Pumping Station which lifts water from river into Waranga Western Main Channel.

Drainage Pumps.—Additional drainage pumps are being installed in the Central Gippsland and Swan Hill Irrigation Areas.

Other Works.—A 15-cusec pump was installed to pump water from the sea for flushing Kananook Creek between Seaford and Frankston.

A contract has been let for the supply of electric motor-driven pumps to replace the existing 50-cusec steam engine-driven pumps serving the Nyah Irrigation District.

Additional pumps were installed on the channel system serving the Mystic Park Irrigation Area, to enable better use to be made of water stored in Lake Kangaroo which previously could not be drawn down without detrimentally affecting irrigation supplies in that Area.

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PLANT AND TRANSPORT

Four hundred and ten items of plant were purchased, costing £593,782, the main units being twenty Crawler Tractors costing £303,157, and eight Excavators costing £93,541. All main items were for replacement of machinery which had reached the end of its economic life.

Spare parts purchased cost £98,150, an increase of £39,350 over the 1962-63 figure.

Disposal of surplus plant brought in £56,185 and spare parts £3,728.

Transport.—Motor vehicles operated totalled 666, including 84 cars, 282 utilities, 83 Land Rovers, 34 motor cycles and 183 heavy trucks. New purchases totalled 236, of which 179 were replacements, with 57 additions. The total value of vehicles purchased was £313,821 and the disposal of vehicles brought in £107,753.

The vehicles covered a total of 7,373,407 miles including 42,501 by low loaders in the transporting of heavy earth-moving plant.

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PUBLIC RELATIONS

The Commission's public relations and publicity arrangements have been further developed. The Commission's official journal, "Aqua" is now distributed to a total of 3,000 addressees in Australia and overseas including Victorian Parliamentary representatives, State Departments and instrumentalities, members of Irrigation District Advisory Boards, officials of water-users organizations, and also to kindred bodies in other States and in many countries overseas.

Material for school projects on irrigation and water supply has been supplied. Research work by undergraduates and others, on the history, administration and economics of irrigation and drainage has been assisted.

A display of irrigation publications and proposals was made at the Advisory Board Conference at Bendigo and the Rotary Club at the same city. The Wimmera-Mallee System was highlighted at the Natural Resources Conservation League Convention at Horsham. Displays and films were shown at many centres and talks and film screenings were given at many secondary schools and to interstate organizations in metropolitan areas and in the country.

Material was provided for a "water conservation" issue of "Victoria's Resources", published by the Natural Resources Conservation League.

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LIBRARY

At 30th June, 1964, books and pamphlets received in the library numbered 11,560, of which 785 were new accessions. Journals received totalled 403.

The whole of the library collection is available to city and country officers of the Commission and to outside people and organizations interested in water supply and associated matters.

Much valuable material is obtained on an exchange basis from organizations in Australia and overseas with activities similar to those of the Commission.

The library continues to co-operate with other libraries in an inter-library loan scheme so that material relating to the work of the Commission, but not held in the library, can be made available.

The librarian-in-chief of the Commission's Library is an officer of the State Library of Victoria.

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RECREATIONAL FACILITIES AND BOATING CONTROL

During the year there was a marked increase in boating activities on all the Commission's major storages where this can be permitted. The Commission is to be proclaimed the Authority, under the Motor Boating Act, for Lake Eildon and for Lake Eppalock and the zoning of these waters for boating and other purposes under that Act has been completed. It is expected that the necessary beacons and markers indicating the various zones will be in position before the coming summer. The policing of regulations to be made under the Motor Boating Act for these storages is basically the responsibility of the special water police organization set up under the Chief Secretary's Department.

The Commission continued its programme of providing improved public amenities at all major storages, and at places such as Goulburn Weir and Torrumbarry Weir which are visited annually by large numbers of visitors. These facilities include fire places, tables and chairs, shelter sheds and toilets.

The Commission has planned an extensive beautification programme in the area below the Eildon Dam and the first stage of this, which will take about four years to complete, is now in progress.

The Commission has assisted Municipal Councils as much as possible where they have initiated developmental schemes for the improvement of tourist facilities at reservoirs within their shires.

OVERSEAS VISITS

Commissioner R. A. Horsfall attended a Conference of the International Commission on Large Dams in Edinburgh in May, 1964, and represented Australia at a Conference of the International Water Supply Association at Stockholm in June, 1964.

Mr. F. L. Burns, Designing Engineer, attended the Sixth Plenary Meeting of the International Standards Organization Committee on Plastic Pipes in Weisbaden, Germany, in November, 1963, as an official delegate of the Standards Association of Australia.

* * * *

ASSOCIATED ORGANIZATIONS

RIVER MURRAY COMMISSION

Meetings of the River Murray Commission and inspections of works by that Commission during the year were attended by Mr. L. R. East, who has been the Victorian representative on that Commission since 1936.

SNOWY MOUNTAINS COUNCIL

(For a brief description of the S.M.C. see S.R. and W.S.C. Annual Report 1962-63.)

Three meetings of the Council were attended during the year by the Chairman of the State Rivers and Water Supply Commission Mr. L. R. East, as a Victorian Representative, and one by Commissioner R. A. Horsfall, as his deputy.

INTERNATIONAL COMMISSION ON IRRIGATION AND DRAINAGE

(For a brief description of the I.C.I.D. see S.R. and W.S.C. Annual Report 1962-63.)

In October, 1963, the State Rivers and Water Supply Commission arranged a study tour for the Australian National Committee of the I.C.I.D. through irrigation areas in northern Victoria, inspecting land reclamation, weed control and works generally.

WATER RESOURCES COUNCIL OF AUSTRALIA

At a conference of Commonwealth and State Ministers in July, 1962, it was agreed to set up a "Water Resources Council of Australia" to facilitate consultation and collaboration between Commonwealth and State Authorities engaged in research and investigations on water resources.

The first official meeting of the Council was held at Canberra on 20th March, 1963, and the second meeting at Sydney on 21st February, 1964.

The Council itself is a Council of Ministers of which the Victorian Minister of Water Supply is a member. Mr. L. R. East, Victorian representative on the Standing Committee set up to advise the Council, attended two meetings of the Committee during the year. Mr. A. L. Tisdall, Deputy Chairman of the Commission, is a member of the Steering Committee on Research and Education, serving the Standing Committee.

LAND UTILIZATION ADVISORY COUNCIL

The Land Utilization Advisory Council, constituted by the Soil Conservation and Land Utilization Act, makes recommendations to the Soil Conservation Authority as to the constitution and definition of "water supply catchment areas" and advises the Minister for Conservation and the Authority on land-use policy in these "areas" after their proclamation.

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

Eighteen catchment areas have so far been proclaimed in Victoria.

WILDLIFE RESERVES INVESTIGATION COMMITTEE

This Committee, set up by the Premier in May, 1959, advises the Government on what lands should be reserved for wildlife, and whether legislation is necessary for their management. Mr. A. L. Tisdall is the Chairman of this Committee.

STAFF

There was an over-all increase of twenty in staff numbers during the year. The total staff is now 1,503.

There was again a considerable turnover, as indicated by the following figures.

CHANGES IN STAFF NUMBERS

	1962-63.			1963-64.		
	Professional.	Others.	Total.	Professional.	Others.	Total.
New appointments	50	126	176	55	123	178
Losses by—						
Retirement	8	24	32	4	20	24
Resignation	49	64	113	37	63	100
Transfer	5	18	23	5	19	24
Other	4	9	13	1	9	10
Total losses	66	115	181	47	111	158
Net loss	16	..	5	..	..	..
Net gain .. ..	..	11	..	8	12	20
Total Staff at 30th June ..	299	1,184	1,483	301	1,202	1,503

STAFF TRAINING

Comprehensive training programs have ensured continuing development of staff skills and standards. Officers at all levels participated in training activities appropriate to their positions. Details are given below.

Australian Administrative Staff College.—The 17th Session of the College was attended by the Assistant Chief Engineer, Major Works, Mr. J. L. Maver.

Public Service Board Management Conference.—The Chief Constructional Engineer, Mr. J. H. Standish; the Staff and Industrial Officer, Mr. W. E. Sampson; and the Assistant Chief Accountant, Mr. H. E. Pullar attended the 1963 Conference, held at Kalorama.

Engineering Hydrology Course (University of N.S.W.).—This was attended by Mr. R. E. Holmes, Superintending Surveyor.

Tellurometer Course (University of Melbourne).—Two officers of the Survey Division attended this Course.

Australian Institute of Management.—Several officers attended Institute courses which had particular reference to their work. The Chief Stores Officer (Mr. R. A. Stinton) and five members of his staff attended a “Stores Purchasing and Control” course; four officers attended the “Law for Everyday Business” course; and two stenographers attended the “Personal Secretaries” day conference.

Electronic Data Processing.—The latest developments in this field were actively followed, eight senior officers attending Public Service Board conferences on the subject during the year. Twelve senior accounts officers attended business machine firms’ seminars connected with commercial A.D.P. and E.D.P. Machine language programming techniques continue to be reviewed for possible application to engineering investigations.

One officer attended a short instruction course in the use of FORTRAN. (Formula Translation).

Commission Staff Conferences.—A conference of Surveyors and Hydrographers was held at Head Office in December, 1963; and a conference of Wimmera-Mallee Inspectors was held at Mildura in February, 1964.

Internal Training.—Induction training talks were given by senior branch officers to new staff appointed since the previous series in 1961. New appointees this year attended a session of lectures by senior officers to introduce them to Commission organization, functions and activities.

A training scheme for junior qualified engineers was introduced in April, 1964. This is a four-year program of job rotation to enable these engineers to gain experience in all major Commission activities.

Part-time study leave was granted to 52 officers undertaking approved courses at Universities and Technical Colleges during the 1964 academic year.

Four officers are attending the University of Melbourne under the Public Service Free Place scheme.

Special leave was granted to four officers studying full-time for the Diploma of Engineering, and two officers have been granted leave for post-graduate studies.

For the third occasion a Federation of British Industries Scholarship has been awarded to a Commission officer for training in the United Kingdom. During the year a Commission officer returned after completing training under a previous scholarship.

Colombo Plan, &c.—The Commission continues to support the Colombo Plan. During the year seven Fellows obtained training and experience in several fields of study and discussed particular aspects with senior Commission officers.

The Commission also arranged short periods of up to two years employment for practical experience for qualified diplomates from Asian countries studying in Australia. There are seventeen temporarily employed in this way.

Long Vacation Training.—During the 1963–64 vacation, 52 University and Technical College students were employed by the Commission under the Vacation Training Program, providing them with valuable experience and creating a possible means of future recruitment of qualified staff.

Institutes' and Associations' Conferences.—Officers of the Commission participated in several conferences arranged by professional Societies and other Associations during the year. These included the 1964 Hydrology Symposium (Institution of Engineers, Australia); the Commonwealth Institute of Valuers Convention; a Symposium on Water Problems in Victoria (Water Research Foundation of Australia); and an Industrial Officers' Convention (Victorian Employers Federation).

RETIREMENTS

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

Administrative Division

Mr. D. Rushby, Administrative Officer.

Professional Division

Mr. S. W. Rogerson, Divisional Engineer.

Mr. A. J. Robb, Surveyor.

Mr. W. H. Spalding, Executive Engineer.

Mr. M. Heitlinger, Designing Engineer.

Technical and General Division

Mr. A. V. Hannel, Overseer.

Mr. H. W. Henderson, District Inspector.

Mr. W. C. Mackay, Works Superintendent.

Mr. E. J. Collihole, Senior Works Inspector.

Mr. J. R. Palmer, Water Bailiff.

Mr. W. G. Crothers, Survey Assistant.

Mr. H. W. Booth, Works Inspector.

Mr. J. Crebbin, Ranger.

Mr. H. J. Phillips, Reservoir Keeper.

Mr. E. Smith, Field Assistant (Survey)

Mr. J. W. Dowsey, Head Water Bailiff.

Mr. G. Pyers, Ranger

Mr. R. C. Nicholson, Senior Ranger.

Temporary Employees

Mr. J. M. Stewart, Carpenter.

Miss E. O'Connor, Typist.

Mrs. P. M. Kuhn, Assistant (Female).

Mr. C. A. Robson, Ranger.

Miss J. Newton, Draughtswoman.

Mr. W. A. J. R. Heddeff, Reservoir Keeper.

DEATHS

The Commission records with regret the deaths during the year of—

Professional Division

Mr. W. W. H. Ware, Executive Engineer.

Technical and General Division

Mr. S. H. Hunt, Water Bailiff.

Mr. W. V. Reid, Assistant (Male).

Mr. J. F. Bryson, Reservoir Keeper.

Mr. T. A. McClean, Water Bailiff.

Mr. J. P. White, Assistant (Male).

* * * *

SENIOR OFFICERS, DIVISIONAL AND BRANCH HEADS

Administration

Secretary .. ..	.. ..	A. H. Rigg, J.P.
Chief Finance Officer ..	.. ..	W. J. Dynon, A.A.S.A.
Chief Estates Officer ..	.. ..	J. F. Horwood, J.P.
Chief Accountant .. ..	.. ..	T. L. Stack, A.A.S.A., A.C.I.S., R.C.A.
Staff and Industrial Officer ..	.. ..	W. E. Samson, J.P.
Chief Stores Officer ..	.. ..	R. A. Stinton, A.A.S.A.
Chief Valuer .. ..	.. ..	M. R. Fogarty, F.C.I.V.
Public Relations Officer ..	.. ..	I. G. Forbes, M.A.I.C.

Engineering

Chief Engineer, Major Works ..	.. ..	C. L. Sanders, L.S., A.M.Inst.C.E., F.ASCE., 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, M.I.E.Aust.
Chief Mechanical Engineer .. ..	.. ..	T. S. Moffatt, B.E.E., Dip.Mech.E., A.M.I.E.Aust.
Chief Designing Engineer .. ..	.. ..	M. G. Speedie, M.C.E., F.ASCE., M.I.E. Aust.
Chief Constructional Engineer ..	.. ..	J. H. Standish, B.C.E., M.I.E.Aust.
Assistant Chief Divisional Engineer ..	.. ..	H. L. Credlin, A.M.I.E.Aust.
Assistant Chief Engineer, Major Works		J. L. Maver, M.C.E., A.M.I.E.Aust.
Divisional Engineers—		
Main Urban Supplies .. ..	.. ..	E. McD. Walker, B.C.E., A.M.I.E.Aust.
Loddon .. ..	.. ..	K. D. Green, O.B.E., E.D., B.C.E., M.Inst.C.E., F.ASCE., M.I.E.Aust.
Waterworks Trust and Sewerage Authorities		J. D. Lang, B.C.E., M.I.E.Aust.
Mallee Irrigation .. ..	.. ..	W. E. Bromfield, B.C.E.
Goulburn .. ..	.. ..	J. J. Cummins, B.C.E., A.M.I.E.Aust.
Wimmera Mallee Waterworks ..	.. ..	C. A. R. Evans, B.E., A.M.I.E.Aust., Dip.Pub. Admin.
Rivers and Streams .. ..	.. ..	P. E. Olsen, B.E., A.M.I.E.Aust.
Southern .. ..	.. ..	M. E. Gillard, B.C.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., F.I.S.Aust., M.A.I.C.
Superintendent of Water Distribution ..	.. ..	J. R. C. Venables.

* * * *

FINANCE

(W. J. DYNON, 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, was £3,538,203. This represents an increase of £152,759 as compared with the previous year.

Rates and other charges increased by £72,187 and sales of water by £80,572. Collections during the year totalled £3,504,385 an increase of £53,243 over the previous year.

The total arrears of assessments increased from £538,398 as at 1st July, 1963, to £547,059 as at 30th June, 1964. The arrears of rates and charges at 30th June, 1964 (£211,960) represents 8.4 per cent. of the current assessment for these items (£2,526,286.)

In regard to the arrears of rates and charges as at 30th June, 1940, which were consolidated and payable by instalments over a period of twenty years under the provisions of the Water Act No. 4740, the balance of instalments remaining unpaid at 30th June, 1964 was £10. Interest on unpaid instalments was £5.

An amount of £25,501 was written off the books of the Commission for the financial year 1963-64 as compared with £12,715 for the previous year.

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

Year.	Water Rates and Charges, Diversion and Grazing Fees.	Recoup on Account of Payments from Revenue.	Interest on (a) Lands Sold, (b) Plant and Machinery Account, (c) Works for other Authorities.	Total.
	£	£	£	£
1961-62	3,350,195	919,224	(a) 5,489 (b) 48,728 (c) 6	4,323,642
1962-63	3,451,142	1,003,008	(a) 11,270 (b) 47,417 (c) ..	4,512,837
1963-64	3,504,385	1,085,028	(a) 3,681 (b) 47,522 (c) ..	4,640,616

EXPENDITURE

The expenditure for the year on maintenance, water distribution and management, and the comparative figures for 1962-63 are set out hereunder :—

	1962-63 £	1963-64 £
From Annual Vote Appropriation	4,141,895	*4,234,240
From Annual Vote Appropriation (Exceptional)	24,869	† 24,270
	<u>4,166,764</u>	<u>†4,258,510</u>

* Includes £513,993 for recoup works and £488,526 for administration in respect of expenditure from other funds charged to vote and recouped to Consolidated Revenue, £63,000 for contributions to River Murray Commission, and £255,083 for miscellaneous National Services.

† Assistance to local Water Authorities.

‡ Excludes £6,290 vote appropriation in respect of Eildon Sewerage District and £343,777 assistance and subsidies to other Sewerage Authorities.

Total expenditure on administration and on works carried out or supervised by the Commission for the year 1963-64 was as set out hereunder :—

	£	£
Vote Funds	4,258,510	
Special Appropriations	15,150	
		4,273,660
Ordinary Loan Funds—		
Commission Works	5,355,985	
Contribution to River Murray Commission Works ..	120,000	
Waterworks Trusts and Local Governing Bodies ..	1,402,500	
River Improvement Trusts	220,000	
Latrobe Valley Works of Water Supply	194,952	
		8,293,437
Special Loans Funds—Salt Affected Lands		905
Water Supply Works Depreciation Fund		8,816
Irrigation Districts Maintenance Equalization and Renewals Accounts		137,566
Total expenditure on construction, operation, maintenance, and administration of Commission's Works and Water Supply Works supervised by Commission		12,714,384*

* Excludes expenditure from Plant and Machinery Depreciation Fund £411,785, expenditure for work carried out on behalf of Soldier Settlement Commission £1,215, loans to Country Sewerage Authorities £593,414. State Rivers Agency Trust Account £87,343, 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. 6934	2,105,110
Water Supply Loans Application Act No. 7056	6,143,344
Reclamation of Salt Affected Lands Act No. 6604	905
Treasurer's Advance	44,983
	8,294,342

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 114,472

Total increase in Loan Liability for the year 8,408,815

Deduct : Commission repayments to—	£	£
State Loans Repayment Fund	232,016	
Redemption Account	17,795	
Repayments by Waterworks Trusts and Local Governing Bodies	81,565	
Repayments by River Improvement Trust	771	
Repayments by Latrobe Valley Works of Water Supply	57,245	
		389,392
		8,019,423

Less Transfer of liability—area transferred from Dandenong-Springvale, to Melbourne and Metropolitan Board of Works .. 36,230

The net increase in Loan Liability for the year was 7,983,193

The contribution by the Government of Victoria to the River Murray Commission for the maintenance of works under the River Murray Agreement was £63,000 (included in the expenditure from Annual Vote Appropriations as shown above). The actual expenditure by this Commission on the maintenance of these works was £47,749, and on the construction of new works £9,118.

CAPITAL LIABILITY

The Capital Loan Liability of the State for Works of country water supply at 30th June, 1964, was £145,418,035 of which amount £115,932,958 is charged to the "Capital Expenditure borne by the State Account". Of the remainder £12,866,219 is charged to Waterworks Trusts and Local Governing Bodies, £207,931 to River Improvement Trusts, £5,213,267 is charged to Latrobe Valley Water Supply under the general supervision of the Commission, £1,611,035 is debited to the Plant and Machinery Account, and the balance £9,586,624 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 £14,701,210 in the National Debt Sinking Fund.

In accordance with the provisions of Section 81 *Water Act* 1958, No. 6413, 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 1963-64 was £4 13s. 6d.

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	6,206,358	7	9
Exchange on Overseas Interest	233,004	8	0
Loan Conversion Expenses	4,578	3	2
	6,443,940	18	11

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

The following statement shows the approximate interest payment for 1963-64 in relation to the Capital Liability :—

Capital Debited to—	Capital Liability as at 30th June, 1964.	Interest Liability (excluding Exchange and Loan Conversion Expenses).	Interest Paid by Water Users (including Arrears).
	£	£	£
Districts under the direct control of the Commission	9,586,624	281,764	238,001
Waterworks Trusts, Local Governing Bodies, River Improvement Trusts and Latrobe Valley	18,287,418	537,896	643,950
Plant and Machinery Account	1,611,035	47,522	47,522
Capital Expenditure borne by the State Development Account	115,932,958	5,339,176	..
	145,418,035	6,206,358	929,473

RATES, CHARGES AND VALUATIONS

The rates and charges levied in districts served by the Commission are shown on pages 51-56. The statements set forth the districts supplied with water for domestic use and for watering stock and for irrigation purposes, together with the unimproved capital value and/or the annual value of lands and tenements and the number of assessments. The general rates, irrigation charges, flood protection rates and charges and drainage rates made in all districts are also shown.

Chelsea-Frankston, Mornington and South Frankston Urban Districts were amalgamated to form Frankston-Mornington Urban District as from 1st July, 1963. Bittern-Crib Point, Hastings, Tyabb and Somerville Urban Districts were amalgamated to form Westernport Urban District as from 1st July, 1963. Baxter-Pearcedale Urban District was constituted on the 1st August, 1963.

Except in the following districts, the rates and charges made were unaltered from the previous year.

INCREASES	DECREASES
<i>Irrigation Districts—</i>	<i>Urban Districts—</i>
Nyah	Anglesea
Tresco	Barwon Heads/Ocean Grove
	Eildon
<i>Waterworks Districts—</i>	Gunbower
Normanville	Leopold
	Merbein
<i>Urban Districts—</i>	Red Cliffs
Bunyip	Robinvale
Garfield	Torquay
Longwarry	Wycheproof
Pakenham	
Queenscliff-Pt. Lonsdale	<i>Irrigation Districts—</i>
	Bacchus Marsh
<i>Sewerage District—</i>	Goulburn-Murray
Eildon	Macalister
	Merbein
	Werribee

IRRIGATION DISTRICTS MAINTENANCE EQUALIZATION AND RENEWALS ACCOUNT

In 1959, Section 68 of the *Water Act* 1958, No. 6413, was amended by Section 2 of the *Water (Irrigation) Act* 1959, No. 6582, to provide for the establishment of the Irrigation Districts Maintenance Equalization and Renewals Account. Irrigation districts were removed from the operation of the Water Supply Works Depreciation Fund and the Water Supply Works Depreciation Account. Future renewals and accrued maintenance were to be financed, with the approval of the Minister, from funds available to each individual district in the Irrigation Districts Maintenance Equalization and Renewals Account.

The amending Act provided that, subject to the certificate of the Auditor-General, the Treasurer would pay to the new Account the cash surpluses of each irrigation district at 30th June, each year. In addition contributions by land holders and statutory bodies for the purpose of maintaining and renewing certain works of water supply in perpetuity were to be paid direct to the Account.

The amount at credit of the Account at 1st July, 1963, was £117,481. During the year, an amount of £301,493, representing the cash surpluses of the irrigation districts at 30th June, 1963, was paid into the Account by the Treasurer. A further amount of £2,482, being amounts contributed by landholders and statutory bodies as capitalized maintenance and renewals of water supply works constructed for their respective benefits, was paid direct to the Account.

Expenditure charged to the Account during the year was £137,566 leaving a balance of £283,890 in the Account at the 30th June, 1964. Of this amount £172,000 has already been committed for works to be undertaken during 1964-65.

Details of the Account are set out on page 87 of this Report.

Subject to the certificate of the Auditor-General as to the cash surpluses as at 30th June, 1964, an amount of £235,842 will be paid into the account during 1964-65.

This is in respect of the following districts :—

	£
Bacchus Marsh	5,378
Campaspe	575
Goulburn-Murray	176,263
Macalister	10,454
Merbein	9,659
Robinvale	30,211
Werribee	3,302
	<hr/>
	235,842

These funds will be used for maintenance and renewals in irrigation districts in which the total capital expenditure on construction of headworks and distributory works has been £75 million.

DEPRECIATION

During the year an amount of £195,985 was charged for depreciation against district revenues. This includes £998 in respect of Eildon Sewerage District.

Even although the full amounts required for depreciation were not collected in this year or any past year the Water Act requires the amounts charged for depreciation to be shown to the credits of the Water Supply Works Depreciation Account in the Commission's books and credited with interest. The amount so shown as credited in the Commission's books at the 1st July, 1963, was £1,140,365 and after crediting the Account with interest amounting to £28,287 and deducting expenditure for the year of £8,816 the balance shown as credited to the Account at 30th June, 1964, was £1,355,821. In this respect the Commission has complied with the accounting provisions of the Water Act.

The Water Act, No. 6413, Section 83, provides that sums collected 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 Commission has complied with the accounting provisions of the Water Acts. However no transfers have been made to the Water Supply Works Depreciation Fund since 1953-54. In consequence the amount available to the Fund in the Treasury is very much less than the total amount shown in the Water Supply Works Depreciation Account in this Commission's books the difference having now reached £1,354,281. The actual credit in the Fund at 30th June, 1964, was only £1,585 and was very much less than required for urgent replacement of deteriorated assets.

The very serious position has now been reached that many deteriorated works must be replaced in the immediate future to maintain water services but no appropriate funds are available for this urgent work. Appropriate transfers to the Depreciation Fund are urgently required.

It is pointed out that the reference to the Depreciation Fund is to urban and waterworks districts and flood protection and drainage districts. It does not apply to irrigation districts where provisions for renewals are made from a separate Irrigation Districts Maintenance Equalization and Renewals Account into which cash surpluses of irrigation districts must be paid each year as already indicated.

Details of the Water Supply Works Depreciation Account are set out on page 87 of this Report.

PLANT AND MACHINERY ACCOUNTS AND STORES SUSPENSE ACCOUNT

The capital liability for large-size moveable plant and machinery, held in the Plant and Machinery Account at 30th June, 1964, was £1,611,035. Calculated on the "purchase-cost" method, the value of such plant at 30th June, 1964, was £2,789,018.

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 £395,017.

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 £1,158,775.

The amount at debit of the Water Supply Stores Suspense Account as at 30th June, 1964, was £434,817 whereas the book value of stores and equipment controlled within the account was £829,834. The difference, £395,017, represents the amount at credit of the operating account (also controlled within the Stores Suspense Account) in respect to major items of plant recorded in Plant and Machinery Account.

FINANCIAL STATEMENTS

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

Operation of the urban and waterworks districts resulted in a net loss of £143,924, most of which is attributable to those 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.

Details of the results of operations within the various systems for 1963-64 were :—

<i>Losses—</i>						£	£
Otway System	..	..	..	..	..	21,650	
Supplied from River Murray	..	..	..	..	..	51,322	
Wimmera Mallee System	..	..	..	..	..	87,076	
Mornington Peninsula System	..	..	..	..	..	598	
Total Losses	..	..	..	..	..	..	160,646
<i>Gains—</i>							
Bellarine Peninsula System	..	..	..	..	..	8,202	
Coliban System	..	..	..	..	..	1,219	
Goulburn, Campaspe and Loddon Systems	..	..	..	..	..	4,174	
Miscellaneous	..	..	..	..	..	3,127	
Total Gains	..	..	..	..	..	..	16,722
Net Loss	..	..	..	..	..	..	143,924

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 hereafter which refer only to operation of Country Water Supply. Financial statements relating to the Eildon Sewerage District are set out on page 86 of this Report.

REVENUE EXPENDITURE CHARGEABLE TO THE STATE ACCOUNT

Section 67 (3) (f) provides for a subsidy of such amount as the Governor in Council may authorize to be made available to each district for which water for irrigation is pumped by the Commission or for which the requirements are exceptional because of natural disaster or other special cause.

The subsidies actually provided and charged to the State Account in 1963-64 were :—

<i>District—</i>						£	s.	d.
Nyah	..	..	..	..	..	10,836	2	2
Tresco	..	..	..	..	..	8,724	0	0
						19,560	2	2

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 in each such district shall be transferred to the "Revenue Expenditure Chargeable to the State Account".

Throughout 1963-64 the Commission, by direction of the Governor in Council, has continued the operation of 33 such districts and the total cash "losses" so transferred was £191,664.

In ten of these districts an aggregate cash surplus of revenue over expenditure of £47,860 was obtained. This amount was applied to Depreciation (£33,921), Redemption (£5), and Interest (£13,209), leaving a sum of £725 available to the credit of the respective districts. The net deficiency of the Order in Council districts was, therefore, £190,939.

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

WATERWORKS DISTRICTS (7)

Axe Creek	Mallee	*Otway
Harcourt	Millewa	Tyntynder North
	Northern Mallee	

* District in which revenue exceeded operating costs.

URBAN DISTRICTS (26)

Allansford	*Dingee	*Meringur	Speed
Brim	Jung Jung	Mitiamo	Tempy
*Bunyip	*Lake Boga	Murrabit	Ultima
Chillingollah	*Lalbert	Nandaly	Waitchie
Chinkapook	Lascelles	Newstead	Yaapect
*Coliban	*Macorna	Nullawil	
Corop	*Marong	*Patchewollock	

* Districts in which revenue exceeded operating costs.

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.

	£
The total cost of services not directly chargeable to districts, including services of a "National Character" was	1,826,043
This amount may be offset by miscellaneous revenue collected in respect of rents, recoup payments, &c.	1,496,698
Net cost to State of Services of a "National Character"	329,345

No direct contribution is made to the Commission's revenue by way of rates and charges paid by water users to offset the national services which the Commission is directed to administer.

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 £5,807,431. This figure is often incorrectly quoted as a "loss" in respect of country water supply. On the existing basis of rates and charges there was in fact a cash "gain" of £80,439, being the net surplus of £286,124 on districts which were required to meet all operating costs, less the net deficiency of £190,939 on districts, the operations of which were continued by direction of the Governor in Council and the net deficiency of £14,746 on subsidized irrigation 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 60 of this Report.

	£	£
Net Surplus on other Commission districts	286,124	
Less Net Deficiency on "Order in Council" districts	£190,939	
Less Net Deficiency on subsidized districts	£14,746	205,685
		Cr. 80,439
Cost of National Services	1,826,043	
Less Miscellaneous Revenue collected	1,496,698	
		329,345
Interest, Exchange and Loan Conversion Expenses on Headworks and Capital borne by the State	5,576,758	
Less Decrease in Arrears of Interest owing by Waterworks Trusts	86,053	
	5,490,705	
Less Interest on Land sold	3,681	
		5,487,024
		5,735,930
Less Amount paid to Revenue in respect of Depreciation (£194,987) and Redemption (£13,835)		208,822
		5,527,108
Contribution to National Debt Sinking Fund	355,702	
Less Recoups paid to Revenue	75,379	
		280,323
Net Cost to the State		5,807,431

The net cost to the State for 1963-64 was £22,474 greater than the comparable figure for the previous year and represents £1 17s. 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 total of £6,443,941, an increase of £277,177 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, with a corresponding tendency to increase the overall cost to the State of country water supply.

* * *

RATES, CHARGES, AND VALUATIONS—*continued.*

WATERWORKS DISTRICTS.

Districts Supplied with Water for Domestic and Ordinary Use and for Watering Cattle or Other Stock.	Unimproved Capital Value.	Rate in the £1 made during Year ended 30th June, 1964 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.
		Divisions.					
		1st.	2nd.	3rd.			
<i>Supplied from Wimmera-Mallee System.</i>							
11. Mallee	5,287,312	s. d. 0 3	s. d. 0 1½	s. d. 0 0¾	£ s. d. 24 0 0 1st Div. ; 12 0 0 2nd Div. ; 6 0 0 3rd Div. ; 24 0 0	2,888	10,540
12. Northern Mallee .. .	2,498,087	0 3	0 1½	0 0¾	1st Div. ; 12 0 0 2nd Div. ; 6 0 0 3rd Div. ; 24 0 0	3,923	5,300
13. Upper Wimmera .. .	4,583,098	0 3	0 1½	0 0¾	1st Div. ; 12 0 0 2nd Div. ; 6 0 0 3rd Div. ; 28 0 0	2,145	5,778
14. Wimmera .. .	10,497,394	0 1·8	0 0·9	0 0·45	1st Div. ; 14 0 0 2nd Div. ; 7 0 0 3rd Div. ; 36 0 0 1st Div. ; 18 0 0 2nd Div. ; 9 0 0 3rd Div.	5,100	16,340
Total .. .	22,865,891	..	..	..	..	14,056	37,958
<i>Supplied direct from River Murray.</i>							
15. Millewa .. .	221,331	0 3	0 1½	0 0¾	24 0 0 1st Div. ; 12 0 0 2nd Div. ; 6 0 0 3rd Div. ; 24 0 0	348	1,000
16. Tyntynder North .. .	239,722	0 3	0 1½	0 0¾	1st Div. ; 12 0 0 2nd Div. ; 6 0 0 3rd Div.	255	400
Total .. .	461,053	..	..	..	..	603	1,400
<i>Supplied from Coliban System.</i>							
17. Axe Creek .. .	12,089*	1 6*	..	..	..	77	174
18. Harcourt .. .	109,235	0 3	..	..	..	241	620
Total .. .	121,324	..	..	..	..	318	794
<i>Miscellaneous.</i>							
19. East Loddon .. .	1,122,628	0 1½	0 0¾	0 0¾	..	559	526
20. Kerang North-West Lakes .. .	67,033	0 3	..	..	..	117	235
21. Normanville .. .	546,060	0 5	0 2½	0 1¼	24 0 0	247	366
22. Werribee .. .	105,996	0 1	..	..	..	10	26
23. West Loddon .. .	467,575	0 2	0 1	0 0½	..	317	292
Total .. .	2,309,292	..	..	..	..	1,250	1,445
Total (Waterworks) .. .	25,757,560	..	..	..	..	16,227	41,597

* Valuation and Rate based on Net Annual Value.

RATES, CHARGES, AND VALUATIONS—*continued.*

URBAN DISTRICTS.

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, 1964.	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.	
					Rate Allowance.	Excess.			
<i>Supplied from Bellarine Peninsula System.</i>									
	£	s. d.	s. d.	s. d.	s. d.	s. d.			
24. Anglesea	89,382	1 9	80 0	40 0	2 0	2 0	1,318	740	
25. Barwon Heads—Ocean Grove ..	121,035	2 4	80 0	40 0	2 0	2 0	1,755	2,900	
26. Birregurra	9,835	3 6	80 0	40 0	2 0	2 0	172	460	
27. Drysdale	15,132	3 0	80 0	40 0	2 0	2 0	237	750	
28. Indented Head—St. Leonards ..	45,280	3 6	135 0	40 0	2 0	2 0	1,011	400	
29. Leopold	13,365	2 6	80 0	40 0	2 0	2 0	266	450	
30. Portarlington	41,561	3 0	80 0	40 0	2 0	2 0	699	1,250	
31. Queenscliff—Point Lonsdale ..	145,695	1 9	80 0	40 0	2 0	2 0	1,509	3,800	
32. Torquay	70,972	1 9	80 0	40 0	2 0	2 0	1,161	1,200	
Total	552,257	..	..	..	..	..	8,128	11,950
<i>Supplied from Mornington Peninsula System.</i>									
33. Baxter—Pearcedale	14,653	3 6	135 0	40 0	2 0	2 0	700	411	
34. Berwick	57,588	3 0	80 0	40 0	2 0	2 0	716	2,292	
35. Bunyip	15,738	2 0	80 0	40 0	2 0	2 0	240	900	
36. Carrum Downs	7,937	3 6	80 0	40 0	2 0	2 0	139	382	
37. Cranbourne	29,720	2 6	80 0	40 0	2 0	2 0	508	1,380	
38. Dandenong—Springvale	234,955	1 0	80 0	40 0	2 0	2 0	1,985	5,112	
39. Dromana—Portsea	1,256,495	1 10	80 0	40 0	2 0	2 0	13,050	11,545	
40. Frankston—Mornington	2,672,881	1 6	80 0	40 0	2 0	2 0	19,008	47,341	
41. Garfield	14,288	2 0	80 0	40 0	2 0	2 0	154	728	
42. Hampton Park.. .. .	10,364	3 6	80 0	40 0	2 0	2 0	303	856	
43. Longwarry	18,100	2 0	80 0	40 0	2 0	2 0	170	652	
44. Nar-Nar-Goon—Tynong	7,022	3 6	80 0	40 0	2 0	2 0	113	640	
45. Officer	9,143	3 6	80 0	40 0	2 0	2 0	121	336	
46. Pakenham	53,838	2 0	80 0	40 0	2 0	2 0	491	1,780	
47. Westernport	129,502	2 3	80 0	40 0	2 0	2 0	1,723	2,974	
Total	4,532,224	..	..	..	..	..	39,421	77,329
<i>Supplied from Otway System.</i>									
48. Allansford	9,854	3 6	80 0	40 0	2 0	2 0	132	350	
49. Camperdown	161,413	2 0	80 0	40 0	2 0	2 0	1,233	3,600	
50. Cobden	48,443	2 0	80 0	40 0	2 0	2 0	497	1,275	
51. Terang	91,932	2 0	80 0	40 0	2 0	2 0	882	2,600	
Total	311,642	..	..	..	..	..	2,744	7,825
<i>Supplied from Goulburn, Campaspe and Loddon System.</i>									
52. Corop	106	3 6	80 0	20 0	2 0	2 0	18	24	
53. Dingee	1,281	3 6	80 0	20 0	2 0	2 0	36	65	
54. Gunbower	6,981	3 3	80 0	20 0	2 0	2 0	111	350	
55. Koondrook	9,518	3 6	80 0	20 0	2 0	2 0	228	745	
56. Leitchville	11,543	2 3	80 0	20 0	2 0	2 0	139	460	
57. Lockington	10,484	1 9	80 0	20 0	2 0	2 0	164	391	
58. Macorna	854	3 6	135 0	20 0	2 0	2 0	41	59	
59. Mitiamo	3,334	3 6	130 0	20 0	2 0	2 0	79	186	
60. Murrabit	666	3 6	80 0	20 0	2 0	2 0	28	75	
61. Pyramid Hill	17,310	1 3	80 0	20 0	2 0	2 0	257	668	
62. Stanhope	16,564	2 0	80 0	20 0	2 0	2 0	208	680	
63. Tallygaroopna	2,432	3 6	100 0	20 0	2 0	2 0	43	123	
Total	81,073	..	..	..	..	..	1,352	3,826

RATES, CHARGES, AND VALUATIONS—continued.

URBAN DISTRICTS—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, 1964.	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.
					Rate Allowance.	Excess.		
<i>Supplied direct from River Murray.</i>	£	s. d.	s. d.	s. d.	s. d.	s. d.		
64. Carwarp	118	3 6	80 0	20 0	2 0	2 0	24	25
65. Lake Boga	6,996	3 6	80 0	20 0	2 0	2 0	210	450
66. Merbein	44,513	1 3	80 0	20 0	2 0	2 0	569	1,630
67. Meringur	311	3 6	100 0	20 0	2 0	2 0	37	55
68. Nyah	4,086	3 6	80 0	20 0	2 0	2 0	107	310
69. Nyah West	10,335	3 0	80 0	20 0	2 0	2 0	260	540
70. Piangil	2,983	3 6	135 0	20 0	2 0	2 0	129	263
71. Red Cliffs	64,358	2 2	80 0	20 0	2 0	2 0	796	2,325
72. Robinvale	40,000	1 3	80 0	20 0	2 0	2 0	500	1,150
73. Werrimull	2,018	3 6	100 0	20 0	2 0	2 0	70	110
Total	175,718	..	..	..	..	..	2,702	6,858
<i>Supplied from Wimmera-Mallee System.</i>								
74. Antwerp	534	3 6	80 0	20 0	2 0	2 0	16	53
75. Berriwillock	3,721	3 6	80 0	20 0	2 0	2 0	90	200
76. Beulah	8,595	3 6	80 0	20 0	2 0	2 0	190	430
77. Birchip	28,447	3 0	80 0	20 0	2 0	2 0	399	1,100
78. Brim	1,944	3 6	80 0	20 0	2 0	2 0	99	230
79. Chillingollah	483	3 6	80 0	20 0	2 0	2 0	52	40
80. Chinkapook	810	3 6	80 0	20 0	2 0	2 0	50	70
81. Culgoa	3,982	3 6	80 0	20 0	2 0	2 0	83	170
82. Dimboola	51,226	1 0	80 0	20 0	2 0	2 0	779	1,668
83. Dooen	625	3 6	80 0	20 0	2 0	2 0	8	27
84. Hopetoun	20,203	3 6	135 0	20 0	2 0	2 0	327	1,000
85. Jeparit	19,850	1 8	80 0	20 0	2 0	2 0	313	760
86. Jung Jung	1,834	3 6	80 0	20 0	2 0	2 0	45	128
87. Lalbert	1,965	3 6	80 0	20 0	2 0	2 0	61	127
88. Lascelles	2,109	3 6	80 0	20 0	2 0	2 0	74	114
89. Manangatang	7,637	3 6	120 0	20 0	2 0	2 0	175	436
90. Marnoo	2,827	3 6	80 0	20 0	2 0	2 0	71	225
91. Minyip	26,591	2 0	80 0	20 0	2 0	2 0	327	800
92. Nandaly	1,135	3 6	80 0	20 0	2 0	2 0	41	110
93. Natimuk	6,626	3 0	80 0	20 0	2 0	2 0	185	592
94. Nullawil	1,488	3 6	80 0	20 0	2 0	2 0	60	110
95. Ouyen	46,527	3 6	80 0	20 0	2 0	2 0	572	1,650
96. Patchewollock	2,111	3 6	80 0	20 0	2 0	2 0	78	155
97. Pimpinio	1,130	3 6	125 0	20 0	2 0	2 0	37	120
98. Quambatook	8,809	3 6	80 0	20 0	2 0	2 0	203	500
99. Rainbow	22,428	1 0	80 0	20 0	2 0	2 0	346	1,000
100. Rupanyup	17,717	2 6	80 0	20 0	2 0	2 0	328	750
101. Sea Lake	21,506	3 0	80 0	20 0	2 0	2 0	407	930
102. Speed	1,239	3 6	80 0	20 0	2 0	2 0	27	81
103. Tempy	648	3 6	80 0	20 0	2 0	2 0	33	77
104. Ultima	3,951	3 6	120 0	20 0	2 0	2 0	202	283
105. Waitchie	145	3 6	80 0	20 0	2 0	2 0	10	10
106. Walpeup	2,616	3 6	130 0	20 0	2 0	2 0	76	120
107. Watchem	5,081	3 6	80 0	20 0	2 0	2 0	117	215
108. Woomelang	7,842	2 6	80 0	20 0	2 0	2 0	191	400
109. Woorinen	3,848	3 6	135 0	40 0	2 0	2 0	103	300
110. Wycheproof	23,858	3 0	80 0	20 0	2 0	2 0	353	980
111. Yaapect	662	3 6	80 0	20 0	2 0	2 0	27	56
Total	362,750	..	..	..	..	..	6,555	16,017
<i>Miscellaneous.</i>								
112. Eildon	44,150	2 8	80 0	40 0	2 0	2 0	396	965
113. Heyfield	43,138	3 6	80 0	20 0	2 0	2 0	648	1,918
114. Wonthaggi	111,173	2 2	50 0	20 0	2 0	2 0	2,018	5,340
Total	198,461	..	..	..	..	..	3,062	8,223

RATES, CHARGES, AND VALUATIONS—*continued.*

COLIBAN SYSTEM.

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, 1964.	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.
					Rate Allowance.	Excess.		
	£	s. d.	s. d.	s. d.	s. d.	s. d.		
115. Coliban Includes Bendigo, Castlemaine, Eaglehawk, Maldon, Barker's Creek, Campbell's Creek, Chewton, Epsom, Ascot, Fryers-town, Guildford, Harcourt, Huntly, Kangaroo Flat, Myers Flat, Raywood, Sebastian, Spring Gully, Taradale, and Yapeen. See under Waterworks Districts for Axe Creek and Harcourt rural supplies.	1,867,376	1 6	40 0	20 0	2 0	2 0	19,765	56,527
116. Elphinstone	3,030	3 6	80 0	20 0	2 0	2 0	42	93
117. Marong	2,598	3 6	80 0	20 0	2 0	2 0	52	142
118. Newstead	11,919	3 6	80 0	20 0	2 0	2 0	179	434
Total	1,884,923	..	..	..	..	..	20,038	57,196
Total (Urban)	8,099,048	..	..	..	..	..	84,002	189,224

DRAINAGE DISTRICT.

District.	Unimproved Capital Value.	Rate in the £1 made during Year ended 30th June, 1964, on Unimproved Capital Value.				Number of Assessments.	Estimated Number of Persons Dwelling in District.
		Divisions.					
		1st.	2nd.	3rd.	4th.		
	£	s. d.	s. d.	s. d.	s. d.		
119. Carrum	4,725,472	0 3	0 2½	0 1½	0 0¾	7,972	9,500

FLOOD PROTECTION DISTRICTS.

District.	Annual Value or Area of Lands and Tenements.	Rate made during Year ended 30th June, 1964 on Net Annual Value or Area.				Number of Assessments.	Estimated Number of Persons Dwelling in District.
	Valuation N.A.V.	Divisions.					
		1st.	2nd.	3rd.	4th.		
		£	s. d.	s. d.	s. d.		
120. Koo-Wee-Rup	314,891	3 4	2 6	1 8	0 10	1,573	4,050
	Area. Acres						
121. Kanyapella	13,146	0 3	..	0 1½	..	56	12
122. Loch Garry	41,577	0 3	..	0 1½	..	122	196
Total (Flood Protection) ..	54,723	..	..	..	..	1,751	4,258
	Area N.A.V. 314,891						

SEWERAGE DISTRICT.

District.		Annual Value of Lands and Tenements.	Rate in the £1 made during Year ended 30th June, 1964.	Number of Assessments.	Estimated Number of Persons Dwelling in District.
		£	s. d.		
123. Eildon .. .. .	.. .. .	47,410	3 0	396	965

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 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 Wimmera Waterworks District the charge for water is 17s. per acre-foot with minimum annual payments for each and every holding. The minimum annual charge is 17s. an acre in respect of the total area authorized to be irrigated under permit, or £3 8s., 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. 5428 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	8
Area greater than 1 acre and not exceeding 20 acres	Area greater than 20 acres and not exceeding 40 acres	12
Area greater than 20 acres and not exceeding 40 acres	Area greater than 40 acres and not exceeding 60 acres	16
Area greater than 40 acres and not exceeding 60 acres	Area greater than 60 acres and not exceeding 80 acres	20
Area greater than 60 acres and not exceeding 80 acres	Area greater than 80 acres and not exceeding 100 acres	24
Area greater than 80 acres	Area greater than 100 acres	28

* * * *

REVENUE AND ARREARS.

STATEMENT OF ASSESSMENTS, REVENUE AND ARREARS
AS AT 1ST JULY, 1963, AND AS AT 30TH JUNE, 1964.

	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	Rate	£	Charge	Interest	Sales	Interest	
Arrears as at 1st July 1963	£ 541,842	45	£ 25	97,740	10,626	£ 7,694	108,566	21,794	1,344	£ 2,192	144	£ 282,762	1,402	£ 7,508
Assessments 1963-64 ..	2,525,286	..	..	1,230,438	..	..	1,049,575	203,424	..	41,849	..	..	..	..
Additional Water Sales and Interest Charges to 30th June, 1964 ..	1,007,917	..	..	..	6,994	6,062	..	..	1,233	..	202	717,212	2,099	274,115
Total Amounts Collectable 1963-64 ..	4,075,045	45	25	1,328,178	17,620	13,756	1,158,141	225,218	2,577	44,041	346	999,974	3,501	281,623
Deduct (1) Revenue Collected 1963-64	3,504,385	18	4	1,210,142	5,342	7,470	1,071,565	201,409	1,208	41,844	205	691,400	2,234	271,544
(2) Credits Absorbed ..	11,673	..	..	3,619	..	..	1,085	2,033	..	20	..	1,951	..	2,965
Balance ..	558,987	27	21	114,417	12,278	6,286	85,491	21,776	1,369	2,177	141	306,623	1,267	7,114
Add Amounts Overpaid ..	13,573	..	..	2,123	3	1	2,856	3,703	16	4	..	2,944	..	1,923
Total Gross Arrears at 30th June 1964 ..	572,560	27	21	116,540	12,281	6,287	88,347	25,479	1,385	2,181	141	309,567	1,267	9,037
Deduct Amounts Written Off ..	25,501	17	16	2,470	77	564	10,736	7,360	85	21	..	1,861	24	2,270
Balance Net Arrears at 30th June, 1964 ..	547,059	10	5	114,070	12,204	5,723	77,611	18,119	1,300	2,160	141	307,706	1,243	6,767

This Statement excludes operation of Eildon Sewerage District and is subject to Audit and minor adjustments.

RESULTS OF OPERATIONS IN DISTRICTS UNDER CONTROL OF COMMISSION **DISBURSEMENTS, 1963-64.**

	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 ..	32,912 18 8	561 10 8	2,682 0 0	..	4 11 1	36,161 0 5
Coliban Works ..	190,930 8 1	13,468 16 6	31,298 0 0	774 0 0	0 11 0	236,471 15 7
Irrigation Districts ..	1,706,128 4 10	5,671 10 0	..	..	475 0 0	1,712,274 14 10
Waterworks Districts ..	589,501 3 9	26,363 9 8	32,726 0 0	3,088 0 0	..	651,678 13 5
Urban Districts ..	337,298 7 6	229,756 3 2	119,288 0 0	1,183 0 0	13,354 15 10	700,880 6 6
Flood Protection Districts	36,696 10 10	..	2,988 0 0	151 0 0	..	39,835 10 10
Carrum Drainage District	20,168 18 10	5,942 18 4	755 0 0	54 0 0	..	26,920 17 2
	2,913,636 12 6	281,764 8 4	189,737 0 0	5,250 0 0	13,834 17 11	3,404,222 18 9
Expenditure not chargeable to Districts—River Murray Commission, Recoupable and other items ..	1,688,650 3 0	..	..	..	..	1,688,650 3 0
	4,602,286 15 6	281,764 8 4	189,737 0 0	5,250 0 0	13,834 17 11*	5,092,873 1 9

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

RECEIPTS, 1963-64

	Water Rates and Charges Divisions and Grazing Fees, &c.	Recoups on Account of Payments from Revenue.	Total Receipts.	Less—Transfer to Depreciation Fund.	Net 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 ..	1,194 0 0	35,552 7 5	36,746 7 5	..	36,746 7 5	Cr. 585 7 0
Coliban Works ..	228,360 8 8	2,164 19 0	230,525 7 8	..	230,525 7 8	Dr. 5,946 7 11
Irrigation Districts ..	1,954,372 1 1	8,807 6 5	1,963,179 7 6	..	1,963,179 7 6	Cr. 250,904 12 8
Waterworks Districts ..	477,307 12 8	1,052 15 1	478,360 7 9	..	478,360 7 9	Dr. 173,318 5 8
Urban Districts ..	707,821 11 11	1,413 9 1	709,235 1 0	..	709,235 1 0	Cr. 8,354 14 6
Flood Protection Districts	42,939 11 3	4 0 2	42,943 11 5	..	42,943 11 5	Cr. 3,108 0 7
Carrum Drainage District	23,671 10 7	..	23,671 10 7	..	23,671 10 7	Dr. 3,249 6 7
	3,435,666 16 2	48,994 17 2	3,484,661 13 4	..	3,484,661 13 4	Cr. 80,438 14 7
Miscellaneous ..	68,478 10 2*	..	68,478 10 2	..	68,478 10 2	Cr. 68,478 10 2
Recoups of amounts paid from Revenue not credited to districts ..	..	1,085,027 12 5	1,085,027 12 5	..	1,085,027 12 5	Dr. 603,622 10 7
Total ..	3,504,145 6 4	1,134,022 9 7	4,638,167 15 11	..	4,638,167 15 11	454,705 5 10

* In addition an amount of £17,029 16s. 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 operation of Eildon Sewerage District: Receipts £7,092 18s. 10d., Disbursements (including depreciation) £7,287 10 s. 7d.

SUMMARY OF OPERATIONS FOR YEAR 1963-64

<i>Receipts.</i>				<i>Expenditure.</i>				<i>Result.</i>			
NATIONAL AND OTHER WORKS AND SERVICES.											
Construction, Administration, and Works for Other Authorities and Water Users.											
£ s. d.				£ s. d.				£ s. d.			
On-cost received	..	..	569,908 17 6	Administration	..	..	488,526 7 10				
Recoups of Expenditure	..	..	515,118 14 11	Expenditure Recoupable	..	..	513,993 2 6				
				Surplus	..	..	82,508 2 1	Cr.	82,508	2	1
			<u>1,085,027 12 5</u>				<u>1,085,027 12 5</u>	Cr.	82,508	2	1
River Murray, Sewerage, Grazing Rentals, &c., and Miscellaneous National Services.											
Recoup of Expenditure	..	..		Commissioners' Salaries	..	..	15,150 0 0				
Grants to Sewerage Authorities	343,191	8	1	River Murray, Sewerage, and Trusts	431,047	4	11				
Grazing Rentals &c.	..	..	68,478 10 2	Miscellaneous National Services	..	..	255,083 7 9				
Deficiency	..	..	411,853 4 7	Pensions	..	..	122,242 10 2	Dr.	411,853	4	7
			<u>823,523 2 10</u>				<u>823,523 2 10</u>				
Net Cost to the State for Services of a National Character Dr. 329,345 2 6											

COMMISSION DISTRICTS.

Rates and Charges ..	..	3,484,661	13 4	Vote Funds ..	..	2,913,636	12 6	
Less Depreciation Transfer ..	..			Interest charged on Capital borne by Districts ..	..	281,764	8 4	
				Surplus ..	..	289,260	12 6	Cr. 289,260 12 6
		<u>3,484,661</u>	<u>13 4</u>			<u>3,484,661</u>	<u>13 4</u>	

CAPITAL CHARGES.

Interest.

Interest paid by Trusts ..	..	623,949	10 10	Interest, Exchange and Loan Conversion Expenses ..	..	6,443,940	18 11	
Interest for Plant Hire, &c. ..	..	51,203	10 7					
Interest charged to Districts ..	..	281,764	8 4					
Deficiency ..	..	5,487,023	9 2					Dr. 5,487,023 9 2
		<u>6,443,940</u>	<u>18 11</u>			<u>6,443,940</u>	<u>18 11</u>	

NATIONAL DEBT SINKING FUND.

Recoup of Contributions—				Contributions to National Debt Sinking Fund ..	..	355,702	10 7	
Paid by Trusts ...	..	70,647	14 0					
Paid from Plant Hire		3,960	3 5					
River Improvement Trusts ..	..	771	9 0					
Deficiency ..	..	280,323	4 2					Dr. 280,323 4 2
		<u>355,702</u>	<u>10 7</u>			<u>355,702</u>	<u>10 7</u>	
Total Expenditure Borne by the State			..	..			5,807,431	3 4

NOTE.—These statements exclude operation of Eildon Sewerage District: Receipts £7,092 18s. 10d., Expenditure £7,287 10s. 7d., Deficiency £194 11s. 9d.

EXPENDITURE BORNE BY THE STATE 1963-64

Services of a National Character—	£	s.	d.	£	s.	d.
Contributions by the State of Victoria to the River Murray Commission in accordance with the provisions of the River Murray Water Acts	63,000	0	0
Subsidies to Sewerage Authorities in cases where the interest paid on capital liability is in excess of 3 per cent.	343,191	8	1
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. of Loans raised	21,975 19 10			
To limit maximum water rate to 3s. 6d. in the £. N.A.V.	2,294 0 0			
				24,855	16	10
Miscellaneous Services—						
Administration Waterworks Trusts and Sewerage Authorities	27,456 6 5			
Administration Farm Water Supplies	2,960 12 10			
Irrigation Branch	6,193 5 7			
Travelling—Chairman and Commissioners	3,490 9 8			
Minister's Staff	3,542 16 6			
Free Water for Research, Free Places Melbourne University, Library, Publicity &c.	24,096 17 3			
Rivers and Streams Division, River Gaugings, Diversions, Land Leasing, Surveys and Reports, Underground Water and Mining Investigations, Hydraulic Research	95,597 0 9			
Portion of General Administration charged to Miscellaneous National Services	91,745 18 9			
				255,083	7	9
Administration in respect of Expenditure from other Funds and Works carried out for other Authorities	488,526	7	10
Works carried out for other Authorities and Water Users, and salaries charged to construction	513,993	2	6
				1,688,650	3	0
Commissioners Salaries—Special Appropriation	15,150	0	0
Amount debited by Treasury for Pensioners	122,242	10	2
				1,826,042	13	2
Less Revenue received from Grazing Licences, Rents &c.	68,478 10 2			
„ Oncost on Expenditure from other Funds	569,908 17 6			
„ Recoups	515,118 14 11			
„ Grant by State, Subsidy to Sewerage Authorities	343,191 8 1			
				1,496,697	10	8
NET COST to State for Services of a National Character	329,345	2	6
Commission Districts—						
Districts which were required to meet all annual operating costs—						
Excess revenue over expenditure after allowing for Depreciation			Cr. 542,927 14 9			
£139,332 and Redemption £13,829 13s. 8d.						
Current Interest—						
Paid	224,792 3 7			
Unpaid	32,011 6 10			
				256,803	10	5
				Cr. 286,124	4	4
Districts subsidized or supplied by direction of the Governor in Council—						
Districts which show excess revenue over Operating Costs and which paid Depreciation						
£33,920 15s. 4d., Redemption £5 4s. 3d. and Interest £13,209 5s. 10d.						
Surplus	Cr. 5,538 10 6		
				Cr. 291,662	14	10
Excess Expenditure inclusive of Depreciation £21,734 4s. 8d. and Interest						
£11,751 12s. 1d. over Revenue in such Districts						
Deficiency	211,224 0 3			
				Cr. 80,438	14	7
Add Amounts paid to Water Supply Works Depreciation Fund in Treasury on account of moneys paid to Revenue and Interest credited to Depreciation Account	Cr. 80,438	14	7
Add Amounts paid to Revenue in respect of Depreciation on Works and Buildings	208,821 17 11		
£194,987 and Redemption £13,834 17s. 11d.			
				Cr. 289,260	12	6
				40,084	10	0
Capital Charges—						
Interest on Capital Expenditure on Headworks and other Capital Expenditure borne by the State	5,339,175 17 2			
Exchange on Overseas Interest Payments	233,004 8 0			
Loan Conversion Expenses	4,578 3 2			
				5,576,758	8	4
Less Decrease in Arrears of Interest owing by Waterworks Trusts and other Corporations			86,053 9 7			
				5,490,704	18	9
„ Interest received on Land sold	3,681 9 7			
				5,487,023	9	2
National Debt Sinking Fund Operations—						
Contribution to Fund	£ 355,702 10 7			
Less Recoups Paid by River Improvement Trusts	771 9 0			
„ Recoups Paid by Waterworks Trusts	70,647 14 0			
„ Recoups Paid by Plant Hire	3,960 3 5			
				75,379	6	5
				280,323	4	2
NET EXPENDITURE borne by the State	5,807,431	3	4

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

DISTRICT STATEMENTS.

PLANT WORKSHOPS.
PROFIT AND LOSS ACCOUNTS FOR FINANCIAL YEAR 1963-64.

District.	Net Revenue Assessment.	Expenditure.		Profit and Loss.		Appropriation.			
		Operating Cost, Interest and Depreciation.	Redemption Charged.	Excess Expenditure over Revenue 1963-64.	Excess Revenue over Expenditure 1963-64.	Adjustments to Revenue of Former Years Including Amounts Written Off: (A) Loss (B) Gain.	Interest and Other Losses before 1st July, 1938, Borne by State (Act No. 6413, Sec. 54).	Loss Since 30th June, 1938.	Gain as at 30th June, 1964.
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Bendigo Residences	33,786 12 9	29,572 4 11	44 1 10	.. ..	4,170 6 0	.. ..	.. ..	767 6 3	8,232 15 3
.. ..	1,194 0 0	1,105 0 0	.. ..	.. ..	89 0 0	.. ..	.. ..	.. ..	.. ..
Total Central Plant	34,980 12 9	30,677 4 11	44 1 10	.. ..	4,259 6 0	.. ..	.. ..	767 6 3	8,232 15 3
Workshops	3,345 11 3	2,583 5 7	4 11 1	.. ..	757 14 7	.. ..	.. ..	.. ..	773 3 8
Kerang Sub-Depot	3,282 16 9	2,895 18 10	.. ..	.. ..	386 17 11	.. ..	.. ..	.. ..	412 18 9
Tatura Sub-Depot .. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..
Totals	41,609 0 9	36,156 9 4	48 12 11	.. ..	5,403 18 6	.. ..	.. ..	767 6 3	9,418 17 8

CASH ACCOUNTS FOR FINANCIAL YEAR 1963-64.

District.	Receipts.	Expenditure.				Excess Receipts over Expenditure 1963-64.	Accumulated.		
		Operating Costs.	Interest.	Depreciation.	Redemption.		Surplus Credited to District Account at 30th June, 1964.	Deficiency Chargeable to District Account at 30th June, 1964.	Deficiency Chargeable to State Account at 30th June, 1964.
1.	2.	3.	4.	5.	6.	7.	9.	10.	11.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Bendigo Residences	28,923 19 5	27,014 0 3	508 4 8	2,050 0 0	.. ..	648 5 6	.. ..	4,428 8 1	.. ..
.. ..	1,194 0 0	755 0 0	.. ..	350 0 0	.. ..	.. ..	.. ..	767 6 3	.. ..
Total Central Plant	30,117 19 5	27,769 0 3	508 4 8	2,400 0 0	.. ..	648 5 6	.. ..	5,195 14 4	.. ..
Workshops	3,345 11 3	2,297 19 7	53 6 0	232 0 0	4 11 1	.. ..	773 3 8	.. ..	.. ..
Kerang Sub-Depot	3,282 16 9	2,845 18 10	.. ..	50 0 0	.. ..	.. ..	412 18 9	.. ..	.. ..
Tatura Sub-Depot .. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..
Totals	36,746 7 5	32,912 18 8	561 10 8	2,682 0 0	4 11 1	648 5 6	1,186 2 5	5,195 14 4	.. ..

DISTRICT STATEMENTS—continued.

PLANT WORKSHOPS—continued.
BALANCE SHEETS AS AT 30TH JUNE, 1964.

District.	Liabilities.						Assets.				
	Capital see Capital Accounts for Details.	Redemption Account.	Depreciation Reserve Account.	Sundry Creditors.	Cash Account Deficiency.	Profit and Loss Account Gain.	Works at Cost.	Depreciation Account.	Sundry Debtors.	Cash Account Surplus.	Profit and Loss Account Loss.
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Bendigo	251,800 13 9	739 15 8	36,255 11 11	..	5,195 14 4	7,465 9 0	252,496 7 7	36,255 11 11	12,705 5 2	..	..
Kerang Sub-Depot ..	17,322 4 8	50 1 11	2,452 11 4	..	..	773 3 8	17,372 6 7	2,452 11 4	..	773 3 8	..
Tatura Sub-Depot ..	2,595 18 1	..	377 7 6	..	.	412 18 9	2,595 18 1	377 7 6	..	412 18 9	..
Totals	271,718 16 6	789 17 7	39,085 10 9	..	5,195 14 4	8,651 11 5	272,464 12 3	39,085 10 9	12,705 5 2	1,186 2 5	..

DISTRICT STATEMENTS—continued.

COLIBAN SYSTEM.

PROFIT AND LOSS ACCOUNTS FOR FINANCIAL YEAR 1963-64.

District.	Net Revenue Assessment.	Expenditure.		Profit and Loss.		Appropriation.			
		Operating Cost, Interest and Depreciation.	Redemption Charged.	Excess Expenditure over Revenue 1963-64.	Excess Revenue over Expenditure 1963-64.	Adjustments to Revenue of Former Years Including Amounts Written Off (A) Loss (B) Gain.	Interest and Other Losses before 1st July, 1938 Borne by State (Act No. 6413, Sec. 54).	Accumulated.	Gain as at 30th June, 1964.
1.	2.	3.	4.	5.	6.	7.	8.	9	10.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
*Axe Creek	1,677 12 2	1,927 9 2	733 0 0	249 17 0	6,902 2 2	(A) 412 17 5	828,373 18 10	7,591 15 5	..
*Coliban	228,857 12 2	221,222 10 0	..	..	43 8 3	..	..	513,383 3 3	..
*Elphinstone	670 12 2	627 3 11	..	5,569 3 11	..	..	..	189 15 5	..
*Harcourt	6,426 7 8	11,995 11 7	0 1 10	..	92 3 0	(A) 16 0 9	..	17,960 9 2	..
*Marong	790 14 9	698 9 11	..	..	..	..	..	1,508 17 6	..
Totals	238,422 18 11	236,471 4 7	733 1 10	5,819 0 11	7,037 13 5	(A) 428 18 2	828,373 18 10	540,634 0 9	..

CASH ACCOUNTS FOR FINANCIAL YEAR 1963-64.

District.	Receipts.	Expenditure.				Excess Receipts over Expenditure 1963-64.	Appropriation.		Deficiency Chargeable to State Account at 30th June, 1964.
		Operating Costs.	Interest.	Depreciation.	Redemption.		Surplus Credited to District Account at 30th June, 1964.	Deficiency Chargeable to District Account at 30th June, 1964.	
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
*Axe Creek	1,539 13 6	1,798 9 2	13,467 18 0	129 0 0	..	387 15 8	..	1,539 1 10	6,365 10 2
*Coliban	220,960 1 1	176,940 12 0	..	30,814 0 0	..	262 8 11	..	46,251 6 1	1,326,794 11 7
*Elphinstone	677 6 8	501 3 11	..	126 0 0	..	..	50 2 9	16 0 3	236 2 10
*Harcourt	6,492 19 2	11,143 11 7	..	852 0 0	..	5,502 12 5	..	7,079 2 3	10,666 18 9
*Marong	855 7 3	546 11 5	0 18 6	151 0 0	0 11 0	..	156 6 4	12 15 0	1,671 14 6
Totals	230,525 7 8	190,930 8 1	13,468 16 6	32,072 0 0	0 11 0	6,152 17 0	206 9 1	54,882 5 2	1,345,734 17 10

* The Districts marked thus 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 12th February, 1964, under the provisions of Section 47, *Water Act 1958*, No. 6413.)

DISTRICT STATEMENTS—continued.

COLIBAN SYSTEM—continued.
BALANCE SHEETS AS AT 30TH JUNE, 1964.

District.	Liabilities.						Assets.					
	Capital see Capital Accounts for Details. 2.	Redemption Account. 3.	Depreciation Reserve Account. 4.	Sundry Creditors. 5.	Cash Account Deficiency. 6.	Profit and Loss Account Gain. 7.	Works at Cost. 8.	Depreciation Account. 9.	Sundry Debtors. 10.	Cash Account Surplus. 11.	Profit and Loss Account Loss. 12.	
1.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	
*Axe Creek ..	5,103 15 9	..	124 0 0	38 19 1	7,904 12 0	..	5,103 15 9	124 0 0	351 15 8	..	7,591 15 5	
*Coliban ..	4,426,610 2 9	20,204 12 3	141,580 5 5	1,272 11 0	1,373,045 17 8	..	4,431,356 10 6	141,580 5 5	48,019 11 1	..	1,341,757 2 1	
Elphinstone ..	7,519 17 5	..	1,036 19 9	..	220 2 7	..	7,519 17 5	1,036 19 9	30 7 2	..	189 15 5	
*Harcourt ..	17,789 19 3	232 18 6	1,330 9 4	251 0 2	17,746 1 0	..	18,022 17 9	1,330 9 4	36 12 0	..	17,960 9 2	
*Marong ..	4,712 0 7	16 0 4	1,443 5 7	1 5 0	1,684 9 6	..	4,728 0 11	1,443 5 7	176 17 0	..	1,508 17 6	
Totals ..	4,461,735 15 9	20,453 11 1	145,515 0 1	1,563 15 3	1,400,601 2 9	..	4,446,731 2 4	145,515 0 1	48,615 2 11	..	1,369,007 19 7	

* The Districts marked thus 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 12th February, 1964, under the provisions of section 47, *Water Act* 1958, No. 6413.)

DISTRICT STATEMENTS—continued.

IRRIGATION DISTRICTS.
PROFIT AND LOSS ACCOUNTS FOR FINANCIAL YEAR 1963-64.

District.	Net Revenue.	Expenditure.		O.I.C. Subsidy (Act No. 6413, Sec. 67 (3) (f)) Chargeable to Expenditure Borne by State Account.	Profit and Loss.		Appropriation.					
		Operating Costs and Interest.	Redemption.		Excess Expenditure over Revenue 1963-64.	Excess Revenue over Expenditure 1963-64.	Amount Transferred to Maintenance Equalization and Renewals Account.	Adjustments to Revenue of Former Years Including Amounts Written Off: (A) Loss. (B) Gain.	Losses Borne by State Account at 30th June, 1964.	District Loss at 30th June, 1964.	District Gain as at 30th June, 1964.	
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	
Bacchus Marsh	36,953 6 6	26,240 5 0	475 0 0	.. ..	10,238 1 6	8,901 9 4	.. ..	21,170 8 3	.. ..	5,804 7 7	
Campaspe	1,916 2 2	1,328 10 6	.. ..	.. ..	587 11 8	133 7 10	(B) 3 0 0	4,994 2 7	.. ..	919 9 10	
Goulburn-Murray	1,351,221 19 2	1,153,308 19 10	.. ..	.. ..	197,912 19 4	241,034 2 0	(A) 8,912 4 4	712,566 3 10	.. ..	415,305 9 2	
Macalister	146,596 16 3	141,732 6 10	.. ..	.. ..	4,864 9 5	38,751 18 1	(A) 141 11 11	3,713 1 5	.. ..	20,579 7 4	
Merbein	109,299 12 6	102,145 4 9	.. ..	.. ..	7,154 7 9	.. ..	.. ..	125,301 9 0	.. ..	21,685 11 0	
Nyah	27,376 17 0	37,745 18 9	10,836 2 2	.. ..	467 0 5	.. ..	(A) 467 0 5	128,654 4 5	.. ..	.. ..
Red Cliffs	153,717 15 5	149,806 11 3	.. ..	.. ..	3,911 4 2	.. ..	(A) 3 15 0	268,775 10 11	.. ..	8,319 19 9	
Robinvale	73,318 10 7	48,423 17 7	.. ..	.. ..	24,894 13 0	9,251 9 6	(A) 4 0 0	127,590 9 10	.. ..	32,108 13 0	
Tresco	13,744 9 7	22,436 4 0	8,724 0 0	.. ..	32 5 7	.. ..	(A) 1,017 0 8	188,716 0 2	984 15 1	.. ..
Werribee	32,651 9 11	28,631 16 4	.. ..	.. ..	4,019 13 7	3,420 10 9	(B) 33 17 3	52,707 6 11	.. ..	5,478 12 5	
Totals	1,946,796 19 1	1,711,799 14 10	19,560 2 2	.. ..	254,082 6 5	301,492 17 6	(A) 10,508 15 1	1,634,188 17 4	984 15 1	510,201 10 1	

DISTRICT STATEMENTS—continued.

IRRIGATION DISTRICTS—continued.
CASH ACCOUNTS FOR FINANCIAL YEAR 1963-64.

District.	Receipts.	Expenditure.			O.I.C. Subsidy (Act No. 6413 Sec. 67 (3) (f)) Charged to Expenditure Borne by State Account.	Excess Expenditure over Receipts and Subsidy 1963-64.	Excess Receipts and Subsidy over Expenditure 1963-64.	Amounts Transferred to Maintenance Equalization and Renewals Account 1963-64.	Accumulated.			Deficiency Charged to State Account at 30th June, 1964. 12.
		Operating Costs.	Interest.	Redemption.					Surplus Credited to District Account at 30th June, 1964. 10.	Deficiency Charged to District Account at 30th June, 1964. 11.		
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	
Bacchus Marsh	32,093 4 9	20,568 15 0	5,671 10 0	475 0 0	..	..	5,377 19 9	8,901 9 4	5,377 19 9	..	21,170 8 3
Campaspe ..	1,903 1 6	1,328 10 6	..	..	..	..	574 11 0	133 7 10	574 11 0	..	4,994 2 7
Goulburn-Murray	1,329,571 11 1	1,153,308 19 10	..	..	..	..	176,262 11 3	241,034 2 0	176,262 11 3	..	712,566 3 10
Macalister ..	152,186 15 10	141,732 6 10	..	..	..	..	10,454 9 0	38,751 18 1	10,454 9 0	..	3,713 1 5
Merbein ..	123,597 0 7	102,145 4 9	..	..	..	..	21,451 15 10	..	9,659 5 4	..	125,301 9 0
Nyah ..	30,540 12 6	37,745 18 9	..	..	10,836 2 2	..	3,630 15 11	..	..	8,994 3 1	128,654 4 5
Red Cliffs ..	167,822 7 2	149,806 11 3	..	..	..	..	18,015 15 11	..	..	7,390 9 2	268,775 10 11
Robinvale ..	78,635 1 7	48,423 17 7	..	..	..	..	30,211 4 0	9,251 9 6	30,211 4 0	..	127,590 9 10
Tresco ..	14,895 9 5	22,436 4 0	..	..	8,724 0 0	..	1,183 5 5	..	..	5,266 5 10	188,716 0 2
Werribee ..	31,934 3 1	28,631 16 4	..	..	..	..	3,302 6 9	3,420 10 9	3,302 6 9	..	52,707 6 11
Totals	1,963,179 7 6	1,706,128 4 10	5,671 10 0	475 0 0	19,560 2 2	..	270,464 14 10	301,492 17 6	235,842 7 1	21,650 18 1	1,634,188 17 4	

DISTRICT STATEMENTS—continued.

IRRIGATION DISTRICTS—continued.
BALANCE-SHEETS AS AT 30TH JUNE, 1964.

District.	Liabilities.						Assets.					
	Capital see Capital Accounts for Details.	Redemption Account.	Irrigation Districts Maintenance Equalization and Renewals Reserve Account.	Sundry Creditors.	Cash Account Deficiency.	Profit and Loss Account Gain.	Works at Cost.	Irrigation Districts Maintenance Equalization and Renewals Account.	Sundry Debtors.	Cash Account Surplus.	Profit and Loss Account Loss.	
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	
Bacchus Marsh	681,388 15 6	2,393 9 4	12,811 12 5	0 11 3	15,792 8 6	..	683,782 4 10	12,811 12 5	426 19 1	..	15,366 0 8	
Campaspe	205,157 9 4	..	957 1 5	7 0 11	4,419 11 7	..	205,157 9 4	957 1 5	351 19 9	..	4,074 12 9	
Coulburn-Murray	60,482,721 18 8	22,179 13 5	173,410 17 11	8,676 15 8	536,303 12 7	..	60,504,901 12 1	173,410 17 11	247,719 13 7	..	297,260 14 8	
Macalister	6,386,030 8 6	2,447 15 0	57,089 8 1	33 12 7	..	16,866 5 11	6,388,478 3 6	57,089 8 1	10,158 10 11	6,741 7 7	..	
Merbein	615,283 0 11	..	771 19 4	26 14 8	115,642 3 8	..	615,283 0 11	771 19 4	12,053 0 4	..	103,615 18 0	
Nyah	321,817 12 9	54 19 10	711 4 5	42 13 2	137,648 7 6	..	321,872 12 7	711 4 5	9,036 16 3	..	128,654 4 5	
Red Cliffs	1,336,122 5 6	..	2,497 4 4	41 6 8	276,166 0 1	..	1,336,122 5 6	2,497 4 4	15,751 15 7	..	260,455 11 2	
Robinvale	1,438,836 16 8	..	25,416 1 5	63 6 4	97,379 5 10	..	1,438,836 16 8	25,416 1 5	1,960 15 4	..	95,481 16 10	
Tresco	211,182 2 7	..	Cr. 161 14 8	3 9 2	193,982 6 0	..	211,182 2 7	Cr. 161 14 8	4,284 19 11	..	189,700 15 3	
Werribee	436,379 12 5	1,491 5 10	10,386 0 11	20 12 0	49,405 0 2	..	437,870 18 3	10,386 0 11	2,196 17 8	..	47,228 14 6	
Totals	72,114,920 2 10	28,567 3 5	283,889 15 7	8,916 2 5	1,426,738 15 11	16,866 5 11	72,143,487 6 3	283,889 15 7	303,941 8 5	6,741 7 7	1,141,838 8 3	

DISTRICT STATEMENTS—continued.

WATERWORKS DISTRICTS.
PROFIT AND LOSS ACCOUNTS FOR FINANCIAL YEAR 1963-64.

District.	Net Revenue Assessment.	Expenditure.		Profit and Loss.		Appropriation.			
		Operating Cost, Interest and Depreciation.	Redemption Charged.	Excess Expenditure over Revenue 1963-64.	Excess Revenue over Expenditure 1963-64.	Adjustments to Revenue of Former Years Including Amounts Written Off (A) Loss (B) Gain.	Interest and Other Losses before 1st July, 1938, Borne by State (Act No. 6413, Sec. 54).	Loss Since 30th June, 1938.	Gain as at 30th June, 1964.
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Bellarine Peninsula ..	8,492 0 9	5,533 13 6	..	..	2,958 7 3	(B) 15 2 8	9,927 9 8	44,700 16 4	..
Mornington Peninsula ..	29,388 7 8	41,570 9 5	1,314 6 3	13,496 8 0	..	(A) 1,088 6 1	1,077 12 3	..	30,686 7 8
*Otway ..	49,753 18 5	68,567 8 0	726 0 4	19,539 9 11	..	(B) 5 1 10	..	69,030 3 10	..
<i>Supplied from Goulburn, Campaspe and Loddon Systems.</i>									
East Loddon ..	7,191 4 0	6,628 13 5	..	..	562 10 7	(B) 68 15 4	..	..	3,342 1 9
Normanville ..	11,950 13 0	10,163 14 11	..	..	1,786 18 1	..	..	6,793 13 3	4,197 19 10
West Loddon ..	8,302 0 4	6,888 2 1	..	..	1,413 18 3	..	..	..	..
System Totals ..	27,443 17 4	23,680 10 5	..	..	3,763 6 11	(B) 68 15 4	..	6,793 13 3	7,540 1 7
<i>Supplied from River Murray</i>									
*Millewa ..	22,358 17 6	71,976 13 4	..	49,617 15 10	..	(A) 48 10 1	201,206 16 0	1,260,840 8 0	..
*Tyntynder North ..	8,806 12 8	14,802 9 2	..	5,995 16 6	..	(A) 40 16 9	52,263 5 5	242,564 4 0	..
System Totals ..	31,165 10 2	86,779 2 6	..	55,613 12 4	..	(A) 89 6 10	253,470 1 5	1,503,404 12 0	..
<i>Supplied from Wimmera-Mallee System.</i>									
*Mallee ..	85,633 16 3	123,686 16 1	..	38,052 19 10	..	(B) 8 17 0	134,716 12 7	779,281 8 9	..
*Northern Mallee ..	66,454 2 1	133,642 2 7	..	67,188 0 6	..	(A) 33 15 9	248,625 14 4	1,899,204 16 9	..
Upper Wimmera ..	61,015 6 1	54,361 5 0	..	..	6,654 1 1	(B) 7 16 1	13,389 11 7	63,186 17 9	..
Wimmera ..	118,219 13 10	112,493 7 3	..	..	5,726 6 7	(B) 401 9 6	13,428 5 1	66,062 15 7	..
System Totals ..	331,322 18 3	424,183 10 11	..	105,241 0 4	12,380 7 8	(B) 384 6 10	410,160 3 7	2,807,735 18 10	..
<i>Miscellaneous</i>									
Kerang—North West Lakes ..	2,267 13 6	1,301 10 6	..	..	966 3 0	(A) 58 0 10	831 10 5	1,033 19 0	2,117 8 4
Werribee ..	452 13 0	62 8 2	..	..	390 4 10	..	2,221 10 10	..	..
Miscellaneous Totals ..	2,720 6 6	1,363 18 8	..	..	1,356 7 10	(A) 58 0 10	3,053 1 3	1,033 19 0	2,117 8 4
Grand Totals ..	480,286 19 1	651,678 13 5	2,040 6 7	193,890 10 7	20,458 9 8	(A) 762 7 1	677,688 8 2	4,432,699 3 3	40,343 17 7

* The Districts marked thus 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 12th February, 1964, under the provisions of section 47, *Water Act 1958*, No. 6413.)

DISTRICT STATEMENTS—continued.

WATERWORKS DISTRICTS—continued.
CASH ACCOUNTS FOR FINANCIAL YEAR 1963-64.

District.	Receipts.	Expenditure.						Excess Expenditure over Receipts 1963-64.	Excess Receipts over Expenditure 1963-64.	Accumulated.		
		Operating Costs.	Interest.	Depreciation.	Redemption.	Surplus Credited to District Account at 30th June, 1964.	Deficiency Chargeable to District Account at 30th June, 1964.			Deficiency Chargeable to State Account at 30th June, 1964.		
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.		
£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£		
Bellarine Peninsula ..	7,987 15 3	3,715 13 6	..	1,818 0 0	..	..	2,454 1 9	..	47,055 5 10	9,927 9 8
Mornington Peninsula ..	21,248 16 7	15,067 4 9	16,351 4 8	10,152 0 0	..	20,321 12 10	..	23,075 3 10	..	1,077 12 3		
Otway ..	50,633 4 2	48,908 3 0	10,012 5 0	9,647 0 0	..	17,934 3 10	..	2,756 8 3	..	67,641 18 2		
Supplied from Goulburn, Campaspe, and Loddon System.												
East Loddon ..	7,595 6 6	6,613 13 5	..	15 0 0	..	..	966 13 1	3,808 15 9	..	700 1 11
Normanville ..	11,852 14 1	9,767 14 11	..	396 0 0	..	..	1,688 19 2	..	4,932 8 4	1,971 19 1
West Loddon ..	8,306 2 2	6,888 2 1	..	..	..	..	1,418 0 1	4,205 4 4	..	..
System Totals ..	27,754 2 9	23,269 10 5	..	411 0 0	..	..	4,073 12 4	8,014 0 1	4,932 8 4	2,672 1 0
Supplied from River Murray.												
Millewa ..	21,981 3 1	64,387 13 4	..	7,589 0 0	..	49,995 10 3	..	..	69,767 14 9	1,390,812 6 7
Tyntynder North ..	8,244 12 9	14,605 9 2	..	197 0 0	..	6,557 16 5	..	..	20,097 16 8	275,363 17 3
System Totals ..	30,225 15 10	78,993 2 6	..	7,786 0 0	..	56,553 6 8	..	..	89,865 11 5	1,666,176 3 10
Supplied from Wimmera-Mallee System												
Mallee ..	86,311 14 1	122,509 16 1	..	1,177 0 0	..	37,375 2 0	..	..	89,693 16 11	824,809 4 10
Northern Mallee ..	67,645 13 8	131,805 2 7	..	1,837 0 0	..	65,996 8 11	..	..	213,353 13 10	1,937,355 11 6
Upper Wimmera ..	61,275 11 0	53,942 5 0	..	419 0 0	..	..	6,914 6 0	..	19,599 10 9	57,238 13 9
Wimmera ..	122,505 6 10	109,926 7 3	..	2,567 0 0	..	..	10,011 19 7	..	70,454 10 1	16,100 19 8
System Totals ..	337,738 5 7	418,183 10 11	..	6,000 0 0	..	103,371 10 11	16,926 5 7	..	393,101 11 7	2,835,504 9 9		
Miscellaneous.												
Kerang—North West Lakes	2,319 14 2	1,301 10 6	..	..	..	..	1,018 3 8	4,422 0 5	..	3,738 2 0
Werribee ..	452 13 5	62 8 2	..	..	..	..	390 5 3	..	492 4 5	2,755 9 5
Miscellaneous Totals	2,772 7 7	1,363 18 8	..	..	..	..	1,408 8 11	4,422 0 5	492 4 5	6,493 11 5
Grand Totals ..	478,360 7 9	589,501 3 9	26,363 9 8	35,814 0 0	..	198,180 14 3	24,862 8 7	38,267 12 7	535,447 1 7	4,589,493 6 1		

* The Districts marked thus 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 12th February, 1964, under the provisions of Section 47, *Water Act* 1958, No. 6413.)

DISTRICT STATEMENTS—continued.

WATERWORKS DISTRICTS—continued.
BALANCE-SHEETS AS AT 30TH JUNE, 1964.

District.	Liabilities.						Assets.					
	Capital see Capital Accounts for Details.	Redemption Account.	Depreciation Reserve Account.	Sundry Creditors.	Cash Account Deficiency.	Profit and Loss Account Gain.	Works at Cost.	Depreciation Account.	Sundry Debtors.	Cash Account Surplus.	Profit and Loss Account Loss.	
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	
Bellarine Peninsula	64,944 4 6	3,801 8 10	Cr. 8,664 3 3	25 1 6	56,982 15 6	..	68,745 13 4	Cr. 8,664 3 3	2,379 11 0	..	54,628 6 0	
Mornington Peninsula	775,759 10 11	13,977 9 10	67,164 17 9	18 1 6	..	29,608 15 5	784,448 1 3	67,164 17 9	12,918 4 10	21,997 11 7	..	
Otway	622,494 8 7	10,205 13 3	93,080 0 2	14 15 9	64,885 9 11	..	627,709 18 10	93,080 0 2	860 4 10	..	69,030 3 10	
Supplied from Goulburn, Campaspe and Loddon Systems.												
East Loddon	19,764 18 5	7,602 6 7	624 17 0	24 0 9	..	3,342 1 9	27,367 5 0	624 17 0	257 8 8	3,108 13 10	6,793 13 3	
Normanville	62,913 2 8	222 1 11	6,164 5 7	0 3 0	6,904 7 5	4,197 19 10	63,135 4 7	6,164 5 7	110 17 2	4,205 4 4	..	
West Loddon	20,875 2 1	3,764 7 3	1,164 4 10	7 4 6	..	..	24,639 9 4	1,164 4 10	..	..	..
System Totals	103,553 3 2	11,588 15 9	7,953 7 5	31 8 3	6,904 7 5	7,540 1 7	115,141 18 11	7,953 7 5	368 5 10	7,313 18 2	6,793 13 3	
Supplied from River Murray.												
Millewa	742,135 19 10	..	85,592 16 5	1,652 12 6	1,460,580 1 4	..	742,135 19 10	85,592 16 5	185 9 10	..	1,462,047 4 0	
Tintinderra North	239,841 10 3	..	2,384 0 9	332 19 8	295,461 13 11	..	239,841 10 3	2,384 0 9	967 4 2	..	294,827 9 5	
System Totals	981,977 10 1	..	87,976 17 2	1,985 12 2	1,756,041 15 3	..	981,977 10 1	87,976 17 2	1,152 14 0	..	1,756,874 13 5	
Supplied from Wimmera-Mallee System.												
Mallee	1,882,357 16 1	1,144 3 0	6,714 4 3	31 14 5	914,503 1 9	..	1,882,357 16 1	6,714 4 3	536 14 10	..	913,998 1 4	
Northern Mallee	2,302,374 3 7	..	17,357 14 2	37 8 1	2,150,709 5 4	..	2,302,374 3 7	17,357 14 2	2,916 2 4	..	2,147,830 11 1	
Upper Wimmera	842,198 11 1	1,416 17 2	724 15 2	27 15 9	76,838 4 6	..	843,615 8 3	724 15 2	289 10 11	..	76,576 9 4	
Wimmera	2,054,585 9 6	1,246 7 4	28,199 11 4	17 17 5	86,555 9 9	..	2,055,831 16 10	28,199 11 4	7,082 6 6	..	79,491 0 8	
System Totals	7,081,516 0 3	3,807 7 6	52,996 4 11	114 15 8	3,228,606 1 4	..	7,085,323 7 9	52,996 4 11	10,824 14 7	..	3,217,896 2 5	
Miscellaneous.												
Kerang-North West Lakes	7,056 7 0	82 12 10	237 17 8	107 8 4	3,247 13 10	1,285 17 11	7,056 7 0	237 17 8	709 7 10	683 18 5	3,255 9 10	
Werribee	12,888 1 7	..	19 16 8	7 16 0	..	..	12,970 14 5	19 16 8	..	..	..
Miscellaneous Totals	19,944 8 7	82 12 10	257 14 4	115 4 4	3,247 13 10	1,285 17 11	20,027 1 5	257 14 4	709 7 10	683 18 5	3,255 9 10	
Grand Totals—Waterworks	9,650,189 6 1	43,463 8 0	300,764 18 6	2,304 19 2	5,116,668 3 3	38,434 14 11	9,683,373 11 7	300,764 18 6	29,213 2 11	29,995 8 2	5,108,478 8 9	

* The Districts marked thus 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 12th February, 1964, under the provisions of Section 47, *Water Act* 1958, No. 6413.)

DISTRICT STATEMENTS—continued.

URBAN DISTRICTS.

PROFIT AND LOSS ACCOUNTS FOR FINANCIAL YEAR 1963-64.

District.	Net Revenue Assessment.	Expenditure.		Profit and Loss.		Appropriation.			
		Operating Cost, Interest and Depreciation.	Redemption Charged.	Excess Expenditure over Revenue 1963-64.	Excess Revenue over Expenditure 1963-64.	Adjustments to Revenue of Former Years Including Amounts Written Off. (A) Loss (B) Gain.	Interest and Other Losses before 1st July, 1938, Borne by State (Act No. 6413, Sec. 54).	Accumulated. Loss Since 30th June, 1938.	Gain as at 30th June, 1964.
1.	2.	3.	4.	5.	6.	7.	8.	9	10.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
<i>Supplied from Bellarine Peninsula System.</i>									
Anglesea	10,153 14 4	9,271 1 9	301 7 11	128 17 0	581 4 8	(A) 9 17 10	1,638 15 9	..	12,943 7 2
Barwon Heads-Ocean Grove	17,339 6 3	16,990 6 8	477 16 7	..	..	(B) 1,497 4 3	..	..	9,755 13 6
Birregurra	2,365 2 0	2,271 7 2	75 17 7	..	17 17 3	(A) 9 16 0	..	..	423 11 9
Drysdale	4,155 18 11	3,637 6 5	81 18 10	..	436 13 8	(A) 2 11 9	326 16 1	..	4,035 2 2
Indented Head-St. Leonards	8,982 17 2	7,876 0 2	300 0 0	..	806 17 0	(B) 12 5 9	..	..	2,429 14 3
Leopold	1,937 10 2	878 4 7	31 12 10	..	1,027 12 9	(B) 0 3 9	..	..	3,027 17 3
Portarlington	8,518 16 11	7,790 7 6	241 3 7	..	487 5 10	(B) 486 4 10	1,724 12 7	..	3,352 2 1
Queenscliff-Pt. Lonsdale	16,863 4 1	16,321 0 7	402 15 11	..	139 7 7	(B) 62 8 4	1,755 7 7	..	7,179 16 2
Torquay	8,351 19 1	6,313 19 11	161 14 8	..	1,876 4 6	(A) 0 6 9	..	..	12,312 15 10
System Totals	78,668 8 11	71,349 14 9	2,074 7 11	128 17 0	5,373 3 3	(B) 2,035 14 7	5,445 12 0	..	55,460 0 2
<i>Supplied from Mornington Peninsula System.</i>									
Baxter-Pearcedale	2,967 19 10	1,931 2 5	56 8 0	..	980 9 5	(B) 131 6 0	..	..	1,111 15 5
Berwick	10,403 11 1	9,036 11 5	214 12 10	708 11 8	1,152 6 10	(A) 9 0 0	474 1 9	470 7 0	1,019 9 6
*Bunyip	2,581 0 2	3,244 2 11	45 8 11	68 17 2	..	..	..	..	..
Carrum Downs	2,033 4 6	2,044 1 7	58 0 1	..	..	..	..	..	..
Cranbourne	4,707 6 1	4,286 11 0	99 5 8	1,154 6 8	321 9 5	(A) 3 10 0	538 9 1	..	1,567 11 3
Dandenong-Springvale	40,937 8 6	40,971 17 9	1,119 17 5	8,128 9 8	..	(A) 98 3 6	3,601 18 7	..	2,609 3 1
Dromana-Portsea	127,046 11 10	131,296 10 1	3,878 11 5	..	..	(A) 146 15 7	..	..	72,232 15 1
Frankston-Mornington	236,829 0 1	210,478 7 5	7,837 6 0	..	18,513 6 8	(B) 473 16 3	9,188 12 3	..	29,956 11 3
Garfield	2,529 18 0	2,128 0 10	7,417 6 6	..	360 9 8	(A) 23 18 0	381 5 7	..	137,532 2 8
Hampton Park	3,231 17 8	2,753 5 2	25 0 0	..	453 12 6	(A) 4 11 0	..	..	1,378 0 7
Longwarry	3,919 2 8	4,025 12 11	101 9 1	207 19 4	..	..	..	..	1,002 12 9
Nar Nar Goon-Tynong	2,764 5 11	2,090 6 7	25 0 0	..	648 19 4	(A) 7 12 0	..	..	1,364 9 0
Officer	1,849 10 9	1,655 1 5	58 10 9	..	135 18	..	..	..	1,234 1 0
Pakenham	8,885 2 7	7,563 6 2	228 11 8	..	1,093 4 9	(A) 106 5 6	..	..	788 8 1
Westernport	16,959 15 3	16,938 13 2	513 9 1	492 7 0	..	(A) 9 16 8	448 13 9	..	6,049 6 9
System Totals	467,645 14 11	440,443 10 10	14,302 18 5	10,760 11 6	23,659 17 2	(B) 195 10 0	14,633 1 0	470 7 0	260,346 7 9

DISTRICT STATEMENTS—continued.

URBAN DISTRICTS—PROFIT AND LOSS ACCOUNTS—continued.

District.	Net Revenue Assessment.	Expenditure.		Profit and Loss.		Adjustments to Revenue of Former Years Including Amounts Written Off (A) Loss (B) Gain.	Appropriation.		Gain as at 30th June, 1964.
		Operating Cost, Interest and Depreciation.	Redemption Charged.	Excess Expenditure over Revenue 1963-64.	Excess Revenue over Expenditure 1963-64.		Interest and Other Losses before 1st July, 1938, Borne by State (Act No. 6413, Sec. 54).	Accumulated.	
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
<i>Supplied from Orway System.</i>									
*Allansford ..	4,530 7 11	6,135 3 5	60 16 1	1,665 11 7	395 5 7	(B) 2 2 6	..	4,255 19 7	..
Camperdown ..	21,314 13 8	20,579 11 11	339 16 2	..	..	(A) 6 8 0	..	556 10 9	297 16 2
Cobden ..	9,414 1 0	9,872 10 8	147 14 2	606 3 10	..	(A) 55 13 4	..	..	1,711 15 2
Terang ..	10,905 16 10	10,987 7 10	152 17 1	234 8 1	..	(B) 15 10 0	..	..	..
System Totals ..	46,164 19 5	47,574 13 10	701 3 6	2,506 3 6	395 5 7	(A) 44 8 10	..	4,812 10 4	2,009 11 4
<i>Supplied From Goulburn, Campaspe and Loddon Systems.</i>									
*Corop ..	53 11 6	86 7 2	..	32 15 8	..	..	62 8 1	64 10 3	..
*Dingee ..	252 9 0	361 5 5	..	108 16 5	..	..	93 10 6	992 13 6	1,052 8 3
Gunbower ..	1,301 19 2	1,074 8 1	37 4 3	..	190 6 10	..	..	..	..
Koondrook ..	2,854 0 0	2,018 1 11	..	..	835 18 1	(A) 5 17 2	408 17 3	320 4 10	796 18 9
Leitchville ..	1,518 11 5	1,431 15 3	20 16 9	..	65 19 5	..	..	..	1,152 16 7
Lockington ..	1,095 13 10	1,098 14 11	21 2 2	24 3 3	..	..	..	..	..
*Macorna ..	193 9 9	145 2 2	..	..	48 7 7	..	..	499 16 0	..
*Mittiamo ..	689 19 4	781 14 11	..	91 15 7	..	..	..	2,508 8 1	..
*Murrabit ..	234 0 4	1,064 14 5	..	830 14 1	..	(B) 3 0 0	92 1 10	5,842 13 3	2,509 17 11
Pyramid Hill ..	1,730 7 6	1,629 18 11	31 12 7	..	68 16 0	(B) 0 2 0	..	..	2,893 1 8
Stanhope ..	1,691 4 9	1,381 4 10	38 5 11	..	271 14 0	..	..	..	1,172 12 8
Tallygaroopna ..	519 15 4	491 1 0	10 5 2	..	18 9 2	..	..	..	..
System Totals ..	12,135 1 11	11,564 9 0	159 6 10	1,088 5 0	1,499 11 1	(A) 2 15 2	656 17 8	10,228 5 11	9,577 15 10
<i>Supplied from River Murray.</i>									
Carwarp ..	84 0 3	41 10 6	..	..	42 9 9	(A) 161 4 0	558 14 5	5,787 10 4	429 8 10
*Lake Boga ..	1,896 16 2	1,630 16 10	0 4 9	..	265 14 7	(A) 81 0 0	510 10 1	..	8,171 8 2
Merbein ..	6,192 9 5	5,666 8 1	80 19 5	..	445 1 11	..	..	1,929 18 0	..
*Meringur ..	1,177 0 11	153 16 5	0 0 3	..	23 4 3	(A) 5 12 6	48 2 10	1,033 3 5	..
Nyah ..	1,027 17 4	817 12 3	..	..	210 5 1	(A) 42 15 9	..	1,49 16 4	..
Nyah West ..	2,237 15 7	2,112 1 3	22 19 11	..	102 14 5	(A) 15 6 8	..	1,079 17 10	10,352 8 8
Piangil ..	976 11 2	754 13 6	..	..	221 17 8	(A) 41 6 0	..	..	5,532 17 2
Red Cliffs ..	11,231 14 4	9,702 8 8	220 4 10	..	1,309 0 10	(A) 5 8 0	284 19 8	920 2 3	..
Robinvale ..	5,253 11 5	3,825 10 7	83 10 3	..	1,344 10 7	(A) 5 8 0	..	..	..
Werrimul ..	723 1 2	397 5 3	0 0 3	..	325 15 8	(A) 352 12 11	1,402 7 0	10,800 8 2	24,486 2 10
System Totals ..	29,800 17 9	25,102 3 4	407 19 8	..	4,290 14 9	(A) 352 12 11	..	..	..

DISTRICT STATEMENTS—continued.

URBAN DISTRICTS—PROFIT AND LOSS ACCOUNTS—continued.

District.	Net Revenue Assessment.		Expenditure.		Profit and Loss.		Appropriation.											
	2.		3.		4.		5.		6.		7.		8.		9.		Gain as at 30th June, 1964.	
	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.		
1.																		
Supplied from Wimmera-Mallee System.																		
Antwerp	162	12 9	162	11 10	0	13 6	0	12 7	102	6 8	..	..	216	18 8	48	19 4	146	9 2
Berrinlock	1,046	8 10	936	10 10	7	11 4	24	9 5	169	17 10	1,901	13 10	96	18 2	..	..	664	2 2
Beulah	2,046	16 9	2,192	5 2	46	14 0	3,023	10 7	..	..	..	..	873	6 5	..	..	826	11 6
Birchip	4,971	18 5	3,023	10 7	0	18 7	366	17 1	366	17 1	..	..	4,264	4 0	4,264	4 0	..	..
*Brim	494	16 5	860	14 11	7	4 11	410	5 3	209	5 3	..	..	218	18 1	175	9 5	..	..
*Chillingollah	208	13 0	410	13 4	7	4 11	69	19 9	69	19 9	..	..	157	15 3	1,889	5 4	..	..
*Chinikapook	230	4 6	300	4 3	..	..	3 19 4	..	..	..	..	..	..	..	..	..	..	..
Culgoa	843	0 0	831	17 1	15	2 3	..	..	1,053	14 6	..	..	..	..	..	..	691	4 1
Dimboola	7,013	6 10	5,897	8 0	62	4 4	..	..	58	16 0	..	..	130	4 9	..	..	4,364	4 6
Dooen	140	6 0	79	15 1	1	14 11	..	..	868	18 1	..	..	580	2 10	..	..	115	0 9
Hopetoun	4,967	9 2	3,998	10 9	100	0 4	..	..	286	15 10	..	..	..	..	..	..	1,911	9 3
Jeparit	2,837	2 3	2,505	16 10	44	9 7	..	..	420	10 9	..	..	540	2 11	5,553	2 5	2,359	5 1
*Jung Jung	424	1 8	844	12 4	0	0 1	..	..	123	16 11	..	..	43	8 7	1,908	2 4	..	..
*Lalbert	602	6 3	509	14 2	0	6 8	..	..	..	..	..	..	411	15 11	3,988	17 0	..	..
*Lascelles	565	18 5	689	14 2	0	1 2	..	..	62	1 2	..	..	..	..	..	..	20	15 7
Manangatang	1,634	4 11	1,567	17 3	6	5 2	..	..	483	16 9	..	..	..	..	..	..	715	8 5
Marnoo	738	14 5	867	3 8	35	11 11	..	..	250	2 10	..	..	..	..	..	..	..	..
Minyip	3,135	11 7	2,616	2 11	0	0 2	..	..	47	0 5	..	..	..	..	..	..	..	..
Nandaly	277	2 3	324	2 6	0	0 2	..	..	133	15 0	..	..	..	..	..	..	..	..
Natimuk	1,530	11 9	1,266	9 2	13	19 9	..	..	2,693	8 7	..	..	..	..	..	..	284	10 5
*Nullawill	298	15 7	431	14 9	0	15 10	..	..	..	..	..	..	..	..	..	..	..	..
Ouyen	9,515	8 9	6,759	2 9	62	17 5	..	..	278	5 0	..	..	..	..	..	..	..	..
*Patchewollock	607	5 2	885	10 1	0	0 1	..	..	..	..	..	..	..	..	..	..	..	..
Pimpinio	279	8 3	279	1 8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Quambatook	1,837	2 3	1,633	11 7	21	9 10	..	..	0	6 7	..	..	..	..	..	..	628	19 10
Rainbow	3,271	4 8	3,174	19 1	50	12 3	..	..	182	0 10	..	..	..	..	..	..	3,597	1 8
Rupanyup	2,551	15 10	2,424	17 1	40	2 9	..	..	45	13 4	..	..	..	..	..	..	1,393	19 6
Sea Lake	4,051	7 3	3,416	8 11	91	5 3	..	..	86	16 0	..	..	..	..	..	..	2,031	17 10
*Speed	390	1 8	956	19 1	0	0 1	..	..	543	13 1	..	..	..	..	..	..	..	..
*Tempy	280	0 4	959	12 2	0	0 11	..	..	566	17 6	..	..	..	..	..	..	..	..
*Ultima	924	18 7	1,004	17 1	0	0 10	..	..	679	12 9	..	..	..	..	..	..	..	..
*Waiche	44	16 8	94	2 11	..	..	..	..	79	19 4	..	..	..	..	..	..	..	..
Walpeup	616	8 1	624	19 4	0	1 6	..	..	49	6 3	..	..	498	8 2	..	..	..	..
Watchem	1,117	15 2	964	15 0	0	8 0	..	..	8 12 9	..	..	..	..	..	..	..	..	..
Woomelang	1,412	2 4	1,286	10 0	23	12 6	..	..	..	..	..	..	140	17 2	2,938	4 5	1,018	17 7
Woorinen	941	15 1	712	5 4	1	10 9	..	..	..	..	..	..	805	1 5	..	..	..	..
Wycheproof	4,173	6 10	3,944	8 11	82	4 3	..	..	227	19 0	..	..	..	..	124	5 0	1,358	18 6
*Yaapeet	243	5 7	456	12 10	0	0 5	..	..	213	7 8	..	..	..	..	2,098	11 5	..	..
System Totals	66,428	4 3	59,896	3 5	746	17 3	..	..	3,556	10 7	9,341	14 2	40	18 8	39,066	18 8	22,128	15 10

DISTRICT STATEMENTS—continued.

URBAN DISTRICTS—PROFIT AND LOSS ACCOUNTS—continued.

District.	Net Revenue Assessment.	Expenditure.		Profit and Loss.		Appropriation.			
		Operating Cost, Interest and Depreciation.	Redemption Charged.	Excess Expenditure over Revenue 1963-64.	Excess Revenue over Expenditure 1963-64.	Adjustments to Revenue of Former Years Including Amounts Written Off (A) Loss (B) Gain.	Accumulated.		
							Interest and Other Losses before 1st July, 1938, Borne by State (Act No. 6413, Sec. 54).	Loss Since 30th June, 1938.	Gain as at 30th June, 1964.
1.	2.	3.	4.	5.	6.	7.	8.	9	10.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
<i>Miscellaneous.</i>									
Eildon ..	6,132 11 0	5,682 6 10	191 5 0	..	258 19 2	(A) 1 10 0	..	..	3,164 2 4
Heyfield ..	9,043 0 7	7,398 12 6	138 6 1	..	1,506 2 0	..	160 19 2	..	3,148 15 6
*Newstead ..	2,543 4 6	3,971 8 6	4 11 1	1,432 15 1	..	..	..	17,172 12 7	..
Wonthaggi ..	16,247 7 5	14,542 7 8	267 0 8	..	1,437 19 1	(B) 20 14 5	..	1,715 16 8	..
Miscellaneous Totals ..	33,966 3 6	31,594 15 6	601 2 10	1,432 15 1	3,203 0 3	(B) 19 4 5	160 19 2	18,888 9 3	6,312 17 10
Grand Totals—Urban ..	734,809 10 8	687,525 10 8	18,993 16 5	19,473 2 8	47,763 6 3	(B) 1,809 13 5	27,012 15 2	84,266 19 4	380,321 11 7

DISTRICT STATEMENTS—continued.

URBAN DISTRICTS—continued. CASH ACCOUNTS FOR FINANCIAL YEAR 1963-64.										
District.	Receipts. 2.	Expenditure.				Excess Expenditure over Receipts 1963-64. 7.	Excess Receipts over Expenditure 1963-64. 8.	Accumulated.		
		Operating Costs. 3.	Interest. 4.	Depreciation. 5.	Redemption. 6.			Surplus Credited to District Account at 30th June, 1964. 9.	Deficiency Chargeable to District Account at 30th June, 1964. 10.	Deficiency Chargeable to State Account at 30th June, 1964. 11.
1.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
<i>Supplied from Bellarine Peninsula System.</i>										
Anglesea	9,951 19 2	4,807 0 11	3,579 0 10	885 0 0	301 7 11	..	379 9 6	..	..	..
Barwon Heads .. Ocean Grove	17,492 8 0	8,604 15 6	5,749 11 2	2,636 0 0	477 16 7	..	24 4 9	..	..	..
Birregurra	2,222 4 11	1,182 16 10	901 10 4	187 0 0	..	49 2 3	59 14 4	..	..	..
Drysdale	4,270 13 10	2,056 17 9	971 8 8	609 0 0	81 18 10	..	551 8 7	..	..	..
Indented Head .. St. Leonards	8,549 10 11	2,817 7 8	3,596 12 6	1,462 0 0	300 0 0	..	373 10 9	..	..	..
Leopold	1,858 19 2	361 6 10	377 17 9	139 0 0	31 12 10	..	949 1 9	..	..	..
Portarlington	8,132 17 6	3,702 10 2	2,879 17 4	1,208 0 0	241 3 7	..	101 6 5	..	..	..
Queenscliff—Pt. Lonsdale ..	16,550 5 6	9,248 14 10	5,016 5 9	2,056 0 0	229 4 11	..	..	..	..	..
Torquay	8,564 19 10	3,734 8 5	1,899 11 6	680 0 0	161 14 8	..	2,089 5 3	..	..	..
System Totals ..	77,593 18 10	36,515 18 11	24,971 15 10	9,862 0 0	1,824 19 4	49 2 3	4,468 7 0	..	..	11,809 8 1
<i>Supplied from Mornington Peninsula System.</i>										
Baxter—Pearcedale	2,290 13 1	800 6 5	676 16 0	454 0 0	56 8 0	..	303 2 8	..	..	1,556 7 3
Berwick	10,570 2 4	5,020 12 1	2,568 19 4	1,447 0 0	214 12 10	..	1,318 18 1	..	81 18 10	1,016 10 3
*Bunyip	2,701 14 5	1,876 1 11	539 1 0	829 0 0	..	542 8 6	..	..	..	..
Carrum Downs	1,776 1 0	853 10 3	693 11 4	497 0 0	..	268 0 7	..	..	..	..
Cranbourne	4,928 7 7	2,179 7 6	1,179 3 6	928 0 0	140 19 8	..	500 16 11	..	..	538 9 1
Dandenong—Springvale ..	43,974 17 4	22,223 14 6	12,733 3 3	6,015 0 0	1,119 17 5	..	1,883 2 2	..	..	3,601 18 7
Dromana—Portsea	123,177 3 10	47,475 9 10	45,981 0 3	37,840 0 0	..	8,119 6 3	..	..	..	..
Frankston—Mornington ..	216,646 4 10	78,273 0 11	95,064 6 6	37,141 0 0	6,167 17 5	..	..	..	..	9,188 12 3
Garfield	2,555 11 6	1,025 7 8	492 13 2	610 0 0	195 2 11	..	232 7 9	..	..	602 8 1
Hampton Park	3,042 9 8	1,802 5 2	300 0 0	651 0 0	25 0 0	..	264 4 6	..	..	..
Longwarry	3,903 4 11	1,712 2 2	1,340 10 9	973 0 0	..	122 8 0	619 0 4	..	..	..
Nar-Nar-Goon—Tynong ..	2,734 6 11	1,099 6 7	300 0 0	691 0 0	25 0 0	..	134 8 7	..	..	..
Officer	1,848 0 9	583 2 3	698 19 2	373 0 0	58 10 9	..	551 18 5	..	..	..
Pakenham	9,109 1 6	3,220 7 10	2,865 18 4	1,477 0 0	993 16 11	..	..	..	..	..
Westernport	15,873 7 5	7,338 9 8	6,216 3 6	3,384 0 0	..	1,065 5 9	..	..	..	2,806 6 2
System Totals ..	445,131 7 1	175,483 4 9	171,650 6 1	93,310 0 0	8,997 5 11	10,117 9 1	5,807 19 5	81 18 10	..	19,310 11 8
<i>Supplied from Otway System.</i>										
*Allansford	4,541 16 2	4,724 8 7	734 14 10	676 0 0	..	1,593 7 3	83 14 0	..	373 4 3	3,863 14 3
Camperdown	21,003 2 1	14,122 15 6	4,797 16 5	1,659 0 0	339 16 2	..	..	..	1,664 0 9	..
Cobden	7,762 12 2	7,118 11 11	1,929 18 9	824 0 0	..	2,109 18 6	..	..	1,667 3 11	..
Terang	10,920 17 10	7,735 19 10	2,207 8 0	1,044 0 0	..	66 10 0	..	1,517 14 2	..	224 14 7
System Totals ..	44,228 8 3	33,701 15 10	9,669 18 0	4,203 0 0	339 16 2	3,769 15 9	83 14 0	1,517 14 2	3,704 8 11	4,088 8 10

DISTRICT STATEMENTS—continued.

URBAN DISTRICTS—CASH ACCOUNTS—continued.

District.	Receipts.	Expenditure.				Excess Expenditure over Receipts 1963-64.	Excess Receipts over Expenditure 1963-64.	Surplus Credited to District Account at 30th June, 1964.			Deficiency Chargeable to District Account at 30th June, 1964.			Deficiency Chargeable to State Account at 30th June, 1964.		
		Operating Costs.	Interest.	Depreciation.	Redemption.			£	s.	d.	£	s.	d.	£	s.	d.
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.						
<i>Supplied from Goulburn Campaspe and Loddon Systems</i>																
*Corop	27. 1 6	40 7 2	..	46 0 0	..	59 5 8	..	..	..	..	31 3 4	..	..	233 0 3	..	..
*Dingee	251 16 4	241 5 5	..	120 0 0	37 4 3	109 9 1	178 5 3	990 15 11	138 3 5	..	..	..	..	948 3 4	..	..
Gunbower	1,289 17 7	476 8 9	444 19 4	153 0 0	..	..	898 16 0	3,203 7 10	..	..	..	..	..	4,491 2 11	..	..
Koondrook	2,916 17 11	1,808 1 11	..	210 0 0	39 4 9	..	21 10 1	1,105 15 3	..	..	..	..	..	389 9 9	..	..
Leitchville	1,492 10 1	993 1 10	247 13 5	191 0 0	..	24 17 2	..	1,131 18 11	..	..	..	..	..	..	..	..
Lockington	1,073 17 9	690 7 3	250 7 8	158 0 0	..	..	40 1 4	..	383 2 3	..	..	..	..	134 12 11	..	..
*Macorna	185 3 6	91 2 2	..	54 0 0	..	110 6 7	..	171 12 3	..	..	..	..	..	2,749 1 0	..	..
*Mitiamo	671 8 4	683 14 11	..	98 0 0	..	817 12 8	..	2,193 17 2	497 8 3	..	..	..	..	5,451 12 8	..	..
*Murrabit	247 1 9	946 14 5	386 19 1	118 0 0	31 12 7	..	6 6 8	2,811 16 11	..	..	..	..	..	108 4 10	..	..
Pyramid Hill	1,667 18 2	1,130 19 10	454 2 6	112 0 0	75 7 1	..	75 2 4	1,111 5 10	..	..	..	..	..	..	..	..
Stanhope	1,531 14 3	596 2 4	121 9 1	331 0 0	10 5 2	..	1 15 6	..	..	..	..	..	..	..	..	..
Tallygaroopna	503 1 8	310 11 11	..	59 0 0	..	..	..	..	..	..	..	..	..	..	..	..
System Totals	11,858 8 10	8,008 17 11	1,905 11 1	1,650 0 0	193 13 10	1,121 11 2	1,221 17 2	12,720 10 1	1,049 17 3	14,505 7 8						
<i>Supplied from River Murray.</i>																
Carwarp	47 18 0	31 10 6	..	10 0 0	..	..	6 7 6	..	..	..	277 12 9	..	..	381 9 3	..	..
*Lake Boga	2,087 19 5	1,424 19 6	2 17 4	203 0 0	4 12 8	..	452 9 11	..	114 18 5	6,801 9 11	..	..	..	510 10 1	..	..
Merbein	6,171 13 7	4,041 13 2	1,001 14 11	623 0 0	80 19 5	..	424 6 1	5,642 0 2	..	..	..	..	..	2,542 18 5	..	..
*Meringur	151 13 0	117 13 10	0 2 7	36 0 0	..	2 3 5	..	..	..	..	79 15 9	..	..	812 12 0	..	..
Nyah	1,050 1 0	718 12 3	..	99 0 0	22 19 11	..	232 8 9	..	425 0 10	..	..	..	..	..	..	..
Nyah West	2,293 11 8	1,724 3 5	270 17 10	117 0 0	..	..	158 10 6	..	478 11 7	..	..	..	..	1,558 5 6	..	..
Piangil	913 16 7	649 13 6	..	105 0 0	..	..	159 3 1	8,934 18 5	84 4 5	..	..	..	..	..	..	..
Red Cliffs	12,657 1 5	6,332 8 7	2,599 0 1	771 0 0	220 4 10	..	2,734 7 11	2,964 0 2	..	..	..	..	..	..	..	..
Robinvale	4,201 13 4	2,554 10 8	989 19 11	281 0 0	83 10 3	..	292 12 6	756 11 4	..	..	..	..	..	3,276 4 6	..	..
Werimull	670 6 0	325 4 4	0 0 11	72 0 0	0 0 3	..	273 0 6	..	..	..	..	..	..	..	..	..
System Totals	30,245 14 0	17,920 9 9	4,864 13 7	2,317 0 0	412 7 4	2 3 5	4,733 6 9	18,297 10 1	1,460 3 9	15,883 9 8						

DISTRICT STATEMENTS—continued.

URBAN DISTRICTS—CASH ACCOUNTS—continued.

District.	Receipts.	Expenditure.				Excess Expenditure over Revenue 1963-64.	Excess Revenue over Expenditure 1963-64.	Accumulated.		Deficiency Chargeable to State Account at 30th June, 1964.
		Operating Costs.	Interest.	Depreciation.	Redemption.			Surplus Credited to District Account at 30th June, 1964.	Deficiency Chargeable to District Account at 30th June, 1964.	
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.	£ s. d.
<i>Supplied from Wimmera-Mallee system.</i>										
Antwerp	194 3 3	137 0 7	11 11 3	14 0 0	2 8 0	14 2 2	29 3 5	4 19 2	..	119 12 8
Berriwillock	922 8 8	796 2 3	89 8 7	51 0 0	..	..	..	32 13 4	..	326 13 0
Beulah ..	2,370 7 7	1,767 10 9	290 14 5	134 0 0	71 2 11	..	106 19 6	769 2 6	..	870 16 11
Birchip	4,641 13 2	2,342 11 3	553 19 4	127 0 0	46 14 0	..	1,571 8 7	3,658 9 9	..	4,380 19 8
*Brim ..	500 3 7	765 9 11	15 5 0	80 0 0	..	360 11 4	..	..	1,064 3 2	3,281 2 8
*Chillingollah	184 0 0	294 19 11	86 13 5	29 0 0	..	226 13 4	..	..	981 11 4	1,004 1 6
*Chinkapook	210 4 0	270 4 3	..	30 0 0	..	90 0 3	..	..	36 6 9	2,220 1 9
Culgoa	684 2 9	575 3 9	..	46 0 0	..	147 14 4	..	451 5 6	..	..
Dimboola	6,903 12 0	4,589 15 11	210 13 4	421 0 0	62 4 4	..	943 19 8	637 18 11	..	..
Doon	145 6 0	39 5 9	20 9 4	20 0 0	1 14 11	..	63 16 0	219 3 5	..	234 7 5
Hopetoun	5,240 1 5	2,646 2 2	1,192 8 7	160 0 0	180 11 6	..	1,060 19 2	1,939 11 1	..	1,563 5 7
Jeparit	2,672 4 1	1,702 16 1	603 0 9	200 0 0	44 9 7	..	121 17 8	1,434 7 6	..	..
*Jung Jung	490 10 11	730 11 4	0 1 0	114 0 0	..	354 1 5	..	..	425 3 7	5,746 7 0
*Lalbert	462 17 8	413 6 1	4 8 1	92 0 0	..	46 16 6	..	..	426 18 2	1,762 19 3
*Lascelles	533 13 10	621 4 3	0 9 11	68 0 0	..	156 0 4	..	..	215 18 6	1,713 14 1
Manangatang	1,636 3 4	1,399 3 9	75 13 6	93 0 0	56 18 4	..	..	..	1,885 5 5	2,271 12 3
Marnoo	775 10 3	675 16 5	92 7 3	99 0 0	..	..	11 7 9	..	11 8 8	16 15 7
Minyip	3,142 4 8	1,969 6 1	457 16 10	189 0 0	35 11 11	91 13 5	490 9 10	413 10 3	..	..
*Nandaly	248 2 3	288 0 7	0 1 11	36 0 0	..	76 0 3	266 1 10	78 3 11	498 1 10	961 19 7
Natimuk	1,546 10 9	903 1 2	223 8 0	140 0 0	13 19 9	..	..	..	157 17 2	121 1 10
*Nullawil	281 19 11	376 6 3	12 8 6	43 0 0	..	149 14 10	3,133 6 0	1,119 18 2	..	861 12 0
Ouyen	10,038 6 7	5,420 9 0	748 13 9	590 0 0	145 17 10	..	75 11 7	..	739 8 7	1,478 15 8
*Patchewollock	961 2 3	831 9 2	0 0 11	54 0 0	0 0 7	..	85 9 5	..	34 0 10	1,947 8 11
Pimpinio	364 11 1	212 1 8	..	67 0 0	..	..	..	706 7 2	..	134 1 5
Quambatook	1,629 19 4	1,247 12 7	255 19 0	130 0 0	..	3 12 3	..	..	..	400 8 11
Rainbow	3,341 3 0	2,232 4 6	709 14 7	233 0 0	124 10 9	..	41 13 2	2,394 0 8	..	..
Rupanyup	2,482 3 11	1,706 8 7	529 8 6	189 0 0	40 2 9	..	17 4 1	1,168 16 10	..	..
Sea Lake	3,587 2 6	2,011 14 8	1,104 14 3	300 0 0	91 5 3	..	79 8 4	2,317 3 1	..	..
*Speed ..	374 1 11	878 18 7	0 0 6	78 0 0	..	582 17 2	..	..	534 4 1	1,285 8 8
*Temy	238 17 1	881 1 11	0 10 3	78 0 0	..	720 15 1	..	..	267 2 0	2,311 0 9
*Ultima	901 18 1	918 7 3	0 9 10	86 0 0	..	102 19 0	..	..	927 15 3	2,665 7 2
*Waitechie	43 16 0	74 2 11	..	20 0 0	..	50 6 11	..	..	671 6 2	2,669 13 9
Walpeup	652 3 0	579 4 9	0 14 7	45 0 0	1 1 6	..	26 2 2	1 6 8	1,685 2 10	2,589 10 2
Watchem	1,036 12 10	874 1 9	5 13 3	85 0 0	4 19 5	..	66 18 5	..	..	1,544 8 6
Woomelang	1,302 8 1	877 15 4	277 14 8	131 0 0	15 18 1	..	..	997 3 4	157 11 9	1,171 19 8
Woorinen	935 19 4	637 19 6	26 5 10	48 0 0	1 10 9	..	222 3 3	..	..	234 12 1
Wycheproof	4,082 19 11	2,719 10 6	972 18 5	252 0 0	82 4 3	..	56 6 9	2,489 9 6	219 4 8	1,709 7 0
*Yaaapeet	272 10 4	426 10 7	0 2 3	30 0 0	..	184 2 6	..	..	..	1,913 19 1
System Totals	66,031 15 4	45,833 11 9	9,460 11 8	4,602 0 0	1,023 6 5	3,358 1 1	8,470 6 7	20,833 10 9	10,938 10 9	51,417 16 3

DISTRICT STATEMENTS—continued.

URBAN DISTRICTS—CASH ACCOUNTS—continued.

District.	Receipts.	Expenditure.				Excess Expenditure over Receipts 1963-64.	Excess Receipts over Expenditure 1963-64.	Accumulated.		
		Operating Costs.	Interest.	Depreciation.	Redemption.			Surplus Credited to District Account at 30th June, 1964.	Deficiency Chargeable to District Account at 30th June, 1964.	Deficiency Chargeable to State Account at 30th June, 1964.
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.
<i>Miscellaneous.</i>										
Fildon	5,840 6 11	2,243 12 3	2,264 14 7	1,174 0 0	158 0 1	..	1,762 17 4	2,775 7 7	..	1,909 12 11
Heyfield	9,299 15 11	5,134 12 11	1,639 19 7	624 0 0	138 6 1	..	..	4,506 19 8	..	16,076 9 4
*Newstead	2,655 0 11	3,644 19 5	82 9 1	244 0 0	..	1,316 7 7	..	671 4 1	1,068 3 11	4,571 4 4
Wonthaggi	16,350 4 11	8,811 4 0	3,246 3 8	2,485 0 0	267 0 8	..	1,540 16 7	..	..	..
Miscellaneous Totals	34,145 8 8	19,834 8 7	7,233 6 11	4,527 0 0	563 6 10	1,316 7 7	3,303 13 11	7,953 11 4	1,068 3 11	22,557 6 7
Grand Totals—URBANS	709,235 1 0	337,298 7 6	229,756 3 2	120,471 0 0	13,354 15 10	19,734 10 4	28,089 4 10	284,282 5 11	18,303 3 5	139,572 8 9

* The Districts marked thus 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 12th February, 1964, under the provisions of section 47, *Water Act* 1958, No. 6413.)

DISTRICT STATEMENTS—continued.

URBAN DISTRICTS—continued.
BALANCE-SHEETS AS AT 30TH JUNE, 1964.

District.	Liabilities.						Assets.					
	Capital see Capital Accounts for Details.	Redemption Account.	Depreciation Reserve Account.	Sundry Creditors.	Cash Account Deficiency.	Profit and Loss Account Gain.	Works at Cost.	Depreciation Account.	Sundry Debtors.	Cash Account Surplus.	Profit and Loss Account Loss.	
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	
<i>Supplied from Bellarine Peninsula System.</i>												
Anglesea ..	128,707 0 5	1,557 14 2	5,709 18 6	20 7 1	..	11,304 11 5	130,264 14 7	5,709 18 6	2,074 12 5	9,250 6 1	..	
Barwon Heads-Ocean Grove ..	207,465 9 0	3,083 0 11	11,474 8 0	3 17 9	..	9,755 13 6	210,548 9 11	11,474 8 0	4,262 14 4	5,496 16 10	..	
Birregurra ..	30,215 11 6	465 12 6	2,328 6 9	12 9 0	..	423 11 9	30,516 6 1	2,328 6 9	541 4 4	59 14 4	..	
Drysdale ..	39,159 9 7	412 10 0	5,124 12 0	5 3 10	..	3,708 6 1	39,636 6 8	5,124 12 0	1,040 7 0	2,673 2 11	..	
Indented Head-St. Leonards ..	172,541 15 4	491 17 1	2,758 1 0	12 17 2	..	2,429 14 3	172,954 5 4	2,758 1 0	1,218 8 3	1,224 3 2	..	
Leopold ..	13,121 6 5	717 7 8	11,930 6 2	0 5 0	836 14 0	3,027 17 3	13,213 3 6	11,930 6 2	257 18 10	2,770 3 5	..	
Portarlington ..	90,333 11 9	717 7 8	11,930 6 2	42 5 9	..	1,627 9 6	91,050 19 5	11,930 6 2	2,506 9 3	..	..
Queenscliff-Pt. Lonsdale ..	243,993 10 7	3,453 8 10	15,383 13 1	17 8 3	..	7,179 16 2	245,347 15 1	15,383 13 1	3,906 15 8	4,489 13 1	..	
Torquay ..	67,782 14 9	1,536 4 5	5,949 17 4	3 13 3	..	10,557 8 3	69,318 19 2	5,949 17 4	2,000 8 11	8,560 12 7	..	
System Totals ..	992,420 9 4	11,794 12 8	61,083 7 7	118 7 1	836 14 0	50,014 8 2	1,002,850 19 9	61,083 7 7	17,808 19 1	34,524 12 5	..	
<i>Supplied from Mornington Peninsula System.</i>												
Baxter-Pearcedale ..	65,358 0 11	56 8 0	451 0 0	..	..	1,111 15 5	65,414 8 11	451 0 0	808 12 9	303 2 8	..
Berwick ..	137,553 14 0	1,407 4 3	9,662 19 8	9 0 0	1,098 9 1	1,019 9 6	138,960 18 3	9,662 19 8	608 19 6	419 10 0	944 8 9	
*Bunyip ..	68,900 15 4	436 4 3	3,274 2 5	..	..	1,567 11 3	69,110 0 7	3,274 2 5	380 19 4	..	..
Carriup Downs ..	56,696 4 8	140 10 1	1,180 13 6	..	..	2,070 14 0	56,778 14 8	1,180 13 6	493 6 9	1,132 4 7	..
Cranebourne ..	110,618 9 5	626 18 10	3,905 15 0	21 16 0	..	68,630 16 6	111,245 1 3	3,905 15 0	507 17 2	1,562 16 10	..	
Dandenong-Springvale ..	438,056 16 3	24,630 8 7	72,222 15 2	179 11 2	..	25,956 11 3	462,689 12 9	72,222 15 2	8,821 14 10	59,830 17 8	..	
Dromana-Portsea ..	3,665 220 15 0	30,747 9 2	208,404 7 6	211 0 11	..	128,343 10 5	3,992,980 15 3	208,404 7 6	21,036 7 7	12,978 6 3	..	
Frankston-Mornington ..	3,944 459 1 8	52,191 2 2	233,065 13 0	4 4 0	..	996 15 0	48,409 13 11	233,065 13 0	56,515 19 1	73,708 0 10	..	
Garfield ..	48,087 3 11	322 0 0	1,990 10 7	7 14 0	..	1,002 12 9	48,910 14 4	1,990 10 7	160 7 6	840 11 6	..	
Hampton Park ..	25 0 0	..	1,285 12 0	..	..	1,364 9 0	34,475 17 0	1,285 12 0	347 13 6	1,616 17 6	..
Longwarry ..	83,711 19 2	1,179 1 10	5,700 10 1	..	..	1,604 9 0	84,445 13 0	5,700 10 1	163 5 6	1,616 17 6	..
Narre Warren ..	36,445 13 0	25 0 0	2,452 7 11	..	..	1,234 1 0	86,008 6 4	2,452 7 11	232 10 6	1,001 10 6	..
Nar Nar Goon-Tynong ..	85,983 6 4	174 17 6	1,203 6 8	0 9 0	..	788 8 1	41,303 10 8	1,203 6 8	42 19 0	715 18 1	..	
Officer ..	41,128 13 2	1,848 4 9	5,920 3 5	76 5 0	..	6,049 6 9	143,436 9 3	5,920 3 5	406 15 8	5,718 16 1	..	
Pakenham ..	141,588 4 6	2,357 2 4	18,051 15 11	17 0 0	1,323 4 2	2,051 7 7	355,812 18 11	18,051 15 11	4,115 15 3	..	..
Westernport ..	354,180 0 1	..	..	..	..	..	..	..	..	..	..
System Totals ..	9,346,874 11 9	116,167 14 9	568,771 12 10	527 0 1	2,421 13 3	246,187 8 6	9,456,069 9 11	568,771 12 10	94,673 3 11	160,491 5 9	944 8 9	
<i>Supplied from Otway System.</i>												
*Allansford ..	52,513 18 8	295 3 7	3,136 11 0	2 6 0	4,236 18 6	..	52,687 10 0	3,136 11 0	104 17 2	..	4,255 19 7	
Camperdown ..	197,014 5 8	4,917 8 8	25,895 18 4	6 3 0	1,664 0 9	297 16 2	201,931 14 4	25,895 18 4	1,111 18 0	..	556 10 9	
Cobden ..	108,546 7 11	1,490 3 4	7,763 9 4	4 3 2	1,667 3 11	..	109,888 17 1	7,763 9 4	2,118 17 5	..	..
Noorat-Glenormiston ..	50,489 10 8	..	..	..	..	1,711 15 2	50,489 10 8	..	..	..	..
Terang ..	89,526 10 1	2,797 6 5	18,703 11 1	20 19 9	..	1,711 15 2	91,867 17 11	18,703 11 1	895 13 11	1,292 19 7	..	
System Totals ..	498,090 13 0	9,500 2 0	55,499 9 9	33 16 11	7,568 3 2	2,009 11 4	506,865 10 0	55,499 9 9	4,231 6 6	1,292 19 7	4,812 10 4	
<i>Supplied from Goulburn, Campaspe and Loddon Systems.</i>												
*Corop ..	375 16 10	..	345 12 2	0 1 2	264 3 7	..	375 16 10	345 12 2	137 6 5	..	126 18 4	
Dingee ..	3,526 0 10	..	931 14 3	0 0 9	1,086 6 9	1,052 8 3	3,526 0 10	931 14 3	0 3 6	990 15 11	1,086 4 0	
Gunbower ..	14,795 6 4	90 16 5	473 12 10	20 16 9	1,287 15 1	796 18 9	14,886 2 9	473 12 10	82 9 1	729 2 1	..	
Koonbrook ..	10,222 0 1	119 11 5	2,229 15 11	1 9 7	..	1,152 16 7	10,222 0 1	2,229 15 11	560 2 1	..	..
Leitchville ..	9,260 0 0	155 2 0	1,190 3 10	0 0 3	..	..	9,257 11 5	1,190 3 10	80 17 1	716 5 6	..
Lockington ..	9,161 0 3	552 14 11	819 18 0	2 0 0	..	..	9,257 11 5	819 18 0	18 9 0	1,131 18 11	..
*Macorna ..	2,423 13 5	2,982 17 4	552 14 11	0 9 10	517 15 2	..	2,423 13 5	552 14 11	88 9 0	..	499 16 0	
*Mittiamo ..	4,557 6 6	..	499 7 0	..	2,577 8 9	..	4,557 6 6	499 7 0	69 0 8	..	2,508 8 1	
*Murrabit ..	2,866 18 7	2,982 17 4	986 11 8	..	5,949 0 11	2,509 17 11	2,866 18 7	986 11 8	321 13 8	2,193 17 2	5,934 15 1	
Pyramid Hill ..	13,355 0 6	367 10 7	1,732 12 8	5 12 11	..	1,732 12 8	13,722 11 1	1,732 12 8	203 13 5	2,703 12 1	..	
Stanhope ..	17,400 17 0	255 18 7	3,023 9 2	11 12 8	..	2,893 1 8	17,656 16 5	3,023 9 2	2,001 2 3	1,111 5 10	..	
Tallygaroopna ..	4,146 12 4	65 3 5	716 7 10	..	..	1,172 12 8	4,211 15 9	716 7 10	61 6 10	..	..
System Totals ..	92,090 13 6	4,036 19 9	13,502 0 3	42 3 11	11,682 10 3	9,577 15 10	96,068 13 10	13,502 0 3	1,628 10 5	8,847 15 5	10,885 3 7	

DISTRICT STATEMENTS—continued.

URBAN DISTRICTS—BALANCE SHEETS—continued.

District.	Liabilities.						Assets.				
	Capital see Capital Accounts for Details.	Redemption Account.	Depreciation Reserve Account.	Sundry Creditors.	Cash Account Deficiency.	Profit and Loss Account Gain.	Works at Cost.	Depreciation Account.	Sundry Debtors.	Cash Account Surplus.	Profit and Loss Account Loss.
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
<i>Supplied from River Murray.</i>											
Carwarp ..	635 19 0	4 12 8	312 9 8	28 4 0	659 2 0	429 8 10	635 19 0	312 9 8	1,088 10 10	..	6,346 4 9
•Lake Boga ..	11,192 2 7	989 7 10	2,400 5 5	..	6,916 8 4	7,660 18 1	11,196 15 3	2,400 5 5	598 7 7	5,131 10 1	1,929 18 0
•Merbein ..	37,627 4 1	0 1 10	6,080 17 7	..	2,622 14 2	..	38,616 11 11	6,080 17 7	2,529 8 0	..	1,081 6 3
•Meringur ..	4,568 0 1	2 8 10	520 2 8	5 15 0	1,237 12 10	..	4,568 1 5	520 2 8	692 16 8	..	49 16 4
•Nyah ..	3,623 17 5	192 3 4	1,389 16 4	..	4,478 11 7	..	3,626 1 3	1,389 16 4	429 15 3	..	1,079 17 10
•Nyah West ..	11,270 10 11	..	2,433 3 9	13 18 5	1,642 9 11	10,352 8 8	11,462 14 3	2,433 3 9	1,429 16 11	8,934 18 5	..
•Piangil ..	10,161 6 0	1,741 18 7	1,193 1 6	36 6 6	..	5,532 17 2	10,161 6 0	1,193 1 6	1,429 16 11	2,964 0 2	1,205 1 11
•Red Cliffs ..	87,183 13 0	487 12 7	6,133 3 8	..	2,519 13 2	..	88,925 11 7	6,133 3 8	1,314 11 3	..	..
•Robinvale ..	33,989 11 3	3 4 11	2,976 8 0	..	..	..	34,477 3 10	2,976 8 0	..	..	..
•Werrimull ..	10,108 3 1	..	675 5 5	..	..	..	10,111 8 0	675 5 5	..	..	..
System Totals	210,360 7 5	3,421 10 7	24,314 14 0	97 10 7	16,076 12 0	23,975 12 9	213,781 17 6	24,314 14 0	11,427 2 1	17,030 8 8	11,692 5 1
<i>Supplied from Wimmera-Mallee System</i>											
Antwerp ..	710 5 2	25 1 2	195 15 9	..	114 13 6	..	735 6 4	195 15 9	65 14 2	..	48 19 4
Berrin ..	9,522 13 11	54 13 7	406 5 7	1 0 0	293 19 8	567 4 0	9,569 16 2	406 5 7	232 1 6	..	70 9 6
Beulah ..	22,418 12 2	168 16 4	1,664 18 5	2 6 0	101 14 5	..	22,587 8 5	1,664 18 5	671 4 5	..	..
Birchip ..	21,624 1 7	260 18 4	929 15 10	5 15 3	722 9 11	..	21,884 19 11	929 15 10	681 10 3	..	46 14 11
•Brim ..	13,399 11 2	57 13 9	305 17 8	5 17 4	4,345 5 10	..	13,405 17 11	305 17 8	98 15 3	..	4,264 4 0
•Chillingollah ..	3,397 3 6	30 17 9	102 3 1	..	1,985 12 10	..	3,405 17 11	102 3 1	1,619 6 0	..	394 7 6
•Chinapook ..	3,579 2 0	..	242 18 6	..	2,256 8 6	691 4 1	3,579 2 0	242 18 6	209 7 10	451 5 6	2,047 0 7
•Culgoa ..	6,098 15 8	213 0 6	505 6 0	1 0 0	..	4,364 4 6	6,296 13 11	505 6 0	3,736 7 7	..	..
•Dimboola ..	25,646 11 5	1,074 17 7	5,108 8 6	10 2 0	15 4 0	1,331 6 5	26,721 9 1	5,108 8 6	..	637 18 11	15 4 0
•Dooen ..	680 9 10	439 8 5	1,831 6 3	10 2 5	..	2,359 5 1	698 7 5	1,831 6 3	965 3 4	376 5 6	..
•Hopetoun ..	45,267 18 10	690 12 6	1,343 17 4	..	6,171 10 7	..	45,707 7 3	1,343 17 4	924 17 7	1,434 7 6	..
•Jeparit ..	31,968 0 4	0 0 7	1,019 8 6	..	2,189 17 5	..	32,658 12 10	1,019 8 6	78 5 10	..	6,093 5 4
•Jung Jung ..	9,031 2 8	40 6 3	363 6 2	0 0 6	1,929 12 6	..	9,031 2 8	363 6 2	238 13 8	..	1,951 10 11
•Laibert ..	7,428 18 5	0 0 7	492 5 10	..	4,156 17 8	..	7,468 18 0	492 5 10	469 4 0	..	1,460 15 3
•Lascelles ..	5,572 9 1	167 13 3	500 19 3	3 12 3	28 4 3	20 15 7	5,578 10 6	500 19 3	171 12 11	..	3,988 17 0
•Manangatang ..	11,764 1 3	155 14 1	2,095 0 8	..	883 15 8	715 8 5	11,931 14 6	2,095 0 8	302 10 4	413 10 3	..
•Marnoo ..	3,349 13 6	524 13 5	1,100 10 8	0 12 2	..	..	3,487 13 7	1,100 10 8	66 14 8	..	..
•Minyip ..	15,228 15 5	308 3 1	1,657 16 3	..	19 3 8	..	15,532 18 10	1,657 16 3	35 7 4	..	828 8 6
•Nandaly ..	2,667 17 6	0 1 2	433 14 9	..	1,019 9 2	..	2,667 18 5	433 14 9	461 16 7	..	..
•Natimuk ..	7,138 11 5	31 18 10	1,657 16 3	..	1,919 9 2	284 10 5	7,146 14 6	1,657 16 3	17 17 2	..	1,003 3 8
•Nullawil ..	4,124 10 2	338 4 7	4,321 11 5	23 18 6	2,686 17 6	..	4,174 14 4	4,321 11 5	667 16 5	..	1,914 19 1
•Ouyen ..	61,175 10 9	0 1 11	401 8 2	1 0 0	168 2 3	..	61,513 15 4	401 8 2	772 18 5	..	71 5 0
•Pachewollock ..	4,868 2 3	..	401 8 2	..	..	..	4,868 4 2	..	96 17 3	305 18 3	..
•Pimprio ..	7,286 1 10	86 14 5	130 9 1	0 0 6	..	628 19 10	7,286 19 10	130 9 1	344 11 11	2,394 0 8	..
•Quambatook ..	9,708 14 10	714 1 7	2,580 1 1	0 16 4	..	3,397 19 6	9,708 14 10	2,580 1 1	1,209 17 4	1,168 16 10	2,778 9 4
•Rainbow ..	30,940 18 8	550 7 5	1,772 7 2	8 14 0	..	2,031 17 10	31,653 0 3	1,772 7 2	1,233 16 8	1,031 14 5	2,570 1 1
•Rupanyup ..	16,748 8 8	466 18 2	1,863 6 7	..	2,845 4 10	..	17,298 16 1	1,863 6 7	1,000 3 5	..	2,931 10 3
•Sea Lake ..	51,765 1 10	0 17 8	845 10 3	2 6 0	2,932 9 2	..	52,532 14 5	845 10 3	69 2 1	..	2,484 13 3
•Speed ..	3,862 14 5	0 17 8	845 10 3	2 6 0	2,932 9 2	..	3,862 14 5	845 10 3	362 15 0	..	3,079 1 7
•Tempy ..	2,771 12 7	0 17 8	845 10 3	2 6 0	2,932 9 2	..	2,771 12 7	845 10 3	103 10 10	..	124 5 0
•Ultima ..	16,684 12 4	7 8 6	489 19 1	0 2 1	3,279 16 4	213 16 2	16,684 12 4	489 19 1	356 9 11	780 2 6	2,098 11 5
•Waite ..	2,523 4 5	43 7 5	1,269 7 4	10 13 2	392 3 10	1,358 18 6	2,523 4 5	1,269 7 4	612 4 9	..	..
•Walpeup ..	4,086 15 2	23 7 10	1,269 7 4	..	..	..	4,086 15 2	1,269 7 4	..	..	..
•Watchem ..	3,518 12 5	537 12 6	3,702 11 5	..	..	..	3,518 12 5	3,702 11 5	..	..	..
•Woolmeang ..	11,344 13 1	537 12 6	3,702 11 5	..	..	..	11,344 13 1	3,702 11 5	..	..	..
•Woorinen ..	10,339 11 1	..	..	..	..	..	10,339 11 1	..	..	..	..
•Wychee ..	35,274 18 11	..	..	..	..	..	35,274 18 11	..	..	..	..
•Wycheeproof ..	2,350 6 4	..	..	..	..	..	2,350 6 4	..	..	..	..
•Yaapeet ..	..	..	..	..	..	..	..	..	..	..	..
System Totals	530,267 6 11	7,308 1 3	43,847 2 11	130 5 6	50,516 16 7	19,558 12 0	537,463 2 9	43,847 2 11	20,113 6 0	8,994 0 4	41,210 13 2

DISTRICT STATEMENTS—continued.

URBAN DISTRICTS—BALANCE-SHEETS—continued.

District.	Liabilities.						Assets.				
	Capital see Capital Accounts for Details.	Redemption Account.	Depreciation Reserve Account.	Sundry Creditors.	Cash Account Deficiency.	Profit and Loss Account Gain.	Works at Cost.	Depreciation Account.	Sundry Debtors.	Cash Account Surplus.	Profit and Loss Account Loss.
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Miscellaneous.											
Eildon ..	78,833 2 11	1,200 12 0	10,256 4 0	..	..	3,164 2 4	80,000 10 0	10,256 4 0	421 19 8	2,775 7 7	..
Heyfield ..	60,310 17 10	794 11 1	6,346 3 11	..	..	2,987 16 4	61,105 8 11	6,346 3 11	390 9 7	2,597 6 9	..
*Newstead ..	20,406 7 2	183 11 5	3,313 6 9	..	17,144 13 3	..	20,464 12 10	3,313 6 9	97 6 5	..	17,172 12 7
Wonthaggi ..	124,306 14 4	2,748 16 6	21,133 19 10	23 7 6	3,900 0 3	..	127,055 10 10	21,133 19 10	2,207 11 1	..	1,715 16 8
Miscellaneous Totals ..	283,857 2 3	4,977 11 0	41,049 14 6	23 7 6	21,044 13 6	6,151 18 8	288,626 2 7	41,049 14 6	3,117 6 9	5,372 14 4	18,888 9 3
Grand Totals—URBAN ..	11,953,961 4 2	157,156 12 0	808,068 1 10	972 11 7	110,147 2 9	357,475 7 3	12,101,725 16 4	808,068 1 10	152,999 14 9	236,553 16 6	88,433 10 2

* The Districts marked thus 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 12th February, 1964, under the provisions of Section 47, *Water Act* 1958, No. 6413.)

FLOOD PROTECTION AND DRAINAGE DISTRICTS.

CASH ACCOUNTS FOR FINANCIAL YEAR 1963-64.

District.	Expenditure.					Excess Expenditure over Revenue 1963-64.	Excess Revenue over Expenditure 1963-64.	Accumulated.		
	Receipts.	Operating Costs.	Interest.	Depreciation.	Redemption.			Surplus Credited to District Account at 30th June, 1964.	Deficiency Chargeable to District Account at 30th June, 1964.	Deficiency Chargeable to State Account at 30th June, 1964.
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.
FLOOD PROTECTION DISTRICTS.										
Kanyapella ..	111 5 8	91 8 8	..	..	..	..	19 17 0	652 15 4	..	69,382 7 2
Koo-Wee-Rup ..	42,321 12 0	36,243 5 11	..	3,139 0 0	..	..	2,939 6 1	..	6,988 15 7	477 2 2
Loch Garry ..	510 13 9	361 16 3	..	..	..	..	148 17 6	2,032 13 2	..	..
Totals ..	42,943 11 5	36,696 10 10	..	3,139 0 0	..	..	3,108 0 7	2,685 8 6	6,988 15 7	69,859 9 4

FLOOD PROTECTION DISTRICTS.

DRAINAGE DISTRICT.

Carrum ..	23,671 10 7	20,168 18 10	5,942 18 4	809 0 0	..	3,249 6 7	..	16,688 19 9
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DISTRICT STATEMENTS—continued.

FLOOD PROTECTION AND DRAINAGE DISTRICTS—continued.

PROFIT AND LOSS ACCOUNTS FOR FINANCIAL YEAR 1963-64.

District.	Net Revenue Assessment.	Expenditure.		Profit and Loss.		Appropriation.			
		Operating Cost, Interest and Depreciation.	Redemption Charged.	Excess Expenditure over Revenue 1963-64.	Excess Revenue over Expenditure 1963-64.	Adjustments to Revenue of Former Years Including Amounts Written Off (A) Loss (B) Gain.	Losses borne by State Account at 30th June, 1964.	District Loss at 30th June, 1934.	Gain as at 30th June, 1964.
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
FLOOD PROTECTION DISTRICTS.									
Kanyapella ..	118 11 0	91 8 8	..	..	27 2 4	(A) 2 7 6	63,630 8 6	..	660 0 8
Koo-Wee-Rup ..	42,281 16 7	40,612 5 11	..	..	1,669 10 8	..	..	..	3,825 17 6
Loch Garry ..	526 4 4	361 16 3	..	..	164 8 1	..	..	..	1,653 0 9
Totals ..	42,926 11 11	41,065 10 10	..	..	1,861 1 1	(A) 2 7 6	63,630 8 6	..	6,138 18 11
DRAINAGE DISTRICT.									
Carrum ..	26,507 17 9	26,920 17 2	497 14 8	910 14 1	..	(B) 27 14 11	..	..	22,359 1 11

BALANCE-SHEETS AS AT 30TH JUNE, 1964.

District.	Liabilities.					Assets.				
	Capital see Capital Accounts for Details.	Redemption Account.	Depreciation Reserve Account.	Sundry Creditors.	Cash Account Deficiency.	Profit and Loss Account Gain.	Works at Cost.	Depreciation Account.	Sundry Debtors.	Profit and Loss Account Loss.
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	12.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
FLOOD PROTECTION DISTRICTS.										
Kanyapella ..	3,893 11 0	64 4 2	14,413 0 0	0 0 1	76,371 2 9	660 0 8	3,957 15 2	14,413 0 0	7 5 5	652 15 4
Koo-Wee-Rup ..	910,354 14 9	5,959 3 9	..	3 11 3	..	1,653 0 9	910,354 14 9	..	16,570 3 0*	59,804 11 0
Loch Garry ..	20,406 12 9	..	..	3 1 5	..	..	26,365 16 6	..	100 11 2	1,555 11 0
Totals ..	934,654 18 6	6,023 7 11	14,413 0 0	6 12 9	76,371 2 9	2,313 1 5	940,678 6 5	14,413 0 0	16,677 19 7	59,804 11 0
DRAINAGE DISTRICT.										
Carrum ..	706,185 18 4	1,493 1 10	2,854 11 6	121 15 3	..	22,359 1 11	707,181 5 6	2,854 11 6	6,289 12 1	16,688 19 9

* Includes Capitalized Maintenance on Bridges—Koo-Wee-Rup £14,377.

DISTRICT STATEMENTS—continued.

SUMMARY OF PROFIT AND LOSS ACCOUNTS, 1963-64.

District.	Net Revenue Assessment.	Expenditure.	O.I.C. Subsidy Chargeable to Expenditure Borne by State Account.	Result of Operations 1963-64.	Appropriation.					Accumulated as at 30th June, 1964.	
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.
Plant Workshops	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Coliban ..	41,609 0 9	36,156 9 4	48 12 11	..	5,403 18 6	5,403 18 6	..	(A) 428 18 2	828,373 18 10	767 6 3	9,418 17 8
Irrigation ..	238,422 18 11	236,471 4 7	733 1 10	..	7,037 13 5	7,037 13 5	..	(A) 428 18 2	828,373 18 10	540,634 0 9	..
Pumping ..	377,457 5 1	360,557 16 4	475 0 0	19,560 2 2	..	36,459 10 11	9,251 9 6	(A) 1,491 16 1	839,037 14 4	984 15 1	62,114 3 9
Gravitation ..	1,569,339 14 0	1,351,241 18 6	2,040 6 7	..	217,622 15 6	20,438 9 8	292,241 8 0	(A) 9,016 19 0	795,151 3 0	4,432,699 3 3	448,087 6 4
Waterworks ..	480,286 19 1	651,678 13 5	18,993 16 5	..	193,890 10 7	47,763 6 3	..	(A) 762 7 1	677,688 8 2	84,266 19 4	40,343 17 7
Urban ..	734,899 10 8	687,525 10 8	..	..	19,473 2 8	1,861 1 1	..	(B) 1,809 13 5	27,012 15 2	..	380,321 11 7
Flood Protection ..	42,926 11 11	41,065 10 10	497 14 8	..	910 14 1	..	..	(A) 2 7 6	63,630 8 6	..	6,138 18 11
Drainage ..	26,507 17 9	26,920 17 2	..	..	..	..	..	(B) 27 14 11	..	..	22,359 1 11
Totals	3,511,359 18 2	3,391,618 0 10	22,788 12 5	19,560 2 2	220,093 8 3	336,606 15 4	301,492 17 6	(A) 9,864 19 6	3,230,894 8 0	5,059,352 4 8	968,783 17 9

DISTRICTS WHICH WERE REQUIRED TO MEET ALL ANNUAL OPERATING COSTS.

Plant Workshops	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Coliban ..	41,609 0 9	36,156 9 4	48 12 11	..	5,403 18 6	5,403 18 6	..	(A) 428 18 2	828,373 18 10	767 6 3	9,418 17 8
Irrigation ..	670 12 2	627 3 11	..	..	43 8 3	43 8 3	..	(A) 428 18 2	828,373 18 10	189 15 5	..
Pumping ..	336,335 18 6	300,375 13 7	475 0 0	..	35,960 4 11	35,960 4 11	9,251 9 6	(A) 6 15 0	521,667 9 9	984 15 1	62,114 3 9
Gravitation ..	1,569,339 14 0	1,351,241 18 6	2,040 6 7	..	217,622 15 6	20,438 9 8	292,241 8 0	(A) 9,016 19 0	795,151 3 0	4,432,699 3 3	448,087 6 4
Waterworks ..	247,279 12 2	239,003 4 3	1,314 6 3	..	13,496 8 0	47,333 14 5	..	(A) 653 3 4	40,875 19 10	181,778 1 11	40,343 17 7
Urban ..	716,065 5 0	661,221 13 11	18,873 5 7	..	11,363 8 11	1,861 1 1	..	(B) 1,998 11 5	23,861 9 8	17,289 3 2	380,321 11 7
Flood Protection ..	42,926 11 11	41,065 10 10	497 14 8	..	910 14 1	..	..	(A) 2 7 6	63,630 8 6	..	6,138 18 11
Drainage ..	26,507 17 9	26,920 17 2	..	..	..	..	..	(B) 27 14 11	..	..	22,359 1 11
Totals	2,980,734 12 3	2,656,612 11 6	21,208 19 5	..	25,770 11 0	328,683 12 4	301,492 17 6	(A) 7,652 18 6	1,445,186 10 9	201,009 1 10	968,783 17 9

DISTRICTS SUBSIDIZED OR SUPPLIED BY DIRECTION OF GOVERNOR IN COUNCIL.

Plant Workshops	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Coliban ..	237,752 6 9	235,844 0 8	733 1 10	..	5,819 0 11	6,994 5 2	..	(A) 428 18 2	828,373 18 10	540,444 5 4	..
Irrigation ..	41,121 6 7	60,182 2 9	..	19,560 2 2	..	499 6 0	..	(A) 1,485 1 1	317,370 4 7	..	..
Pumping ..	233,007 6 11	412,675 9 2	726 0 4	..	180,394 2 7	429 11 10	..	(A) 109 3 9	636,812 8 4	4,250,921 1 4	..
Gravitation ..	18,744 5 8	26,303 16 9	120 10 10	..	8,109 13 9	..	..	(A) 188 18 0	3,151 5 6	66,977 16 2	..
Waterworks ..	..	..	..	..	..	..	..	..	..	..	..
Urban ..	..	..	..	..	..	..	..	..	..	..	..
Flood Protection ..	..	..	..	..	..	..	..	..	..	..	..
Drainage ..	..	..	..	..	..	..	..	..	..	..	..
Totals	530,625 5 11	735,005 9 4	1,579 13 0	19,560 2 2	194,322 17 3	7,923 3 0	..	(A) 2,212 1 0	1,785,707 17 3	4,858,343 2 10	..

DISTRICT STATEMENTS—continued.

SUMMARY OF CASH ACCOUNTS, 1963-64.

District.	Receipts.	Expenditure.				O.I.C. Subsidy Charged to Expenditure Borne by State Account	Result of Operations 1963-64.			Amount Transferred to Irrigation Maintenance Equalization and Renewals Account.	Accumulated to 30th June, 1964.			
		Operating Costs.		Interest.	Depreciation.		Redemption.	Deficiency.	Surplus.		Surplus Credited to District Account.	Deficiency Charged to District Account.	Deficiency Charged to State Account.	
		£	s. d.		£									s. d.
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	36,746 7 5	32,912 18 8	561 10 8	2,682 0 0	4 11 1	..	648 5 6	1,233 12 6	..	1,186 2 5	5,195 14 4	..		
Coliban ..	230,525 7 8	190,930 8 1	13,468 16 6	32,072 0 0	0 11 0	..	6,152 17 0	206 9 1	..	16 0 3	54,882 5 2	..		
Irrigation—														
Pumping	415,490 11 3	360,557 16 4	5,671 10 0	..	475 0 0	19,560 2 2	..	74,492 17 1	9,251 9 6	39,870 9 4	21,650 18 1	839,037 14 4		
Gravitation	1,547,688 16 3	1,345,570 8 6	26,363 9 8	35,814 0 0	..	..	195,971 17 9	195,971 17 9	292,241 8 0	195,971 17 9	535,447 1 7	795,151 3 0
Waterworks	478,360 7 9	589,501 3 9	26,363 9 8	..	..	..	198,180 14 3	24,862 8 7	..	38,267 12 7	535,447 1 7	4,589,493 6 1
Urban	709,235 1 0	337,298 7 6	229,756 3 2	120,471 0 0	13,354 15 10	..	19,734 10 4	28,089 4 10	..	284,282 5 11	18,303 3 5	139,572 8 9		
Flood Protection	42,943 11 5	36,696 10 10	5,942 18 4	3,139 0 0	..	..	3,249 6 7	3,108 0 7	..	2,685 8 6	6,988 15 7	69,859 9 4
Drainage ..	23,671 10 7	20,168 18 10	..	809 0 0	..	..	..	..	..	16,688 19 9	..	..
Totals	3,484,661 13 4	2,913,636 12 6	281,764 8 4	194,987 0 0	13,834 17 11	19,560 2 2	227,965 13 8	327,964 10 5	301,492 17 6	578,968 16 6	642,467 18 2	7,778,848 19 4		

DISTRICTS WHICH WERE REQUIRED TO MEET ALL ANNUAL OPERATING COSTS.

District.	Receipts.	Operating Costs.	Interest.	Depreciation.	Redemption.	O.I.C. Subsidy Charged to Expenditure Borne by State Account	Result of Operations 1963-64.	Amount Transferred to Irrigation Maintenance Equalization and Renewals Account.	Accumulated to 30th June, 1964.
£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Plant Workshops ..	36,746 7 5	32,912 18 8	561 10 8	2,682 0 0	4 11 1	..	648 5 6	1,233 12 6	..
Coliban ..	677 6 8	501 3 11	..	126 0 0	..	..	..	50 2 9	..
Irrigation— ..	370,054 9 4	300,375 13 7	5,671 10 0	..	475 0 0	..	..	69,678 15 9	9,251 9 6
Pumping ..	1,547,688 16 3	1,345,570 8 6	26,363 9 8	35,814 0 0	..	..	20,321 12 10	195,971 17 9	292,241 8 0
Gravitation ..	243,544 0 0	207,284 19 7	16,351 4 8	15,367 0 0	13,350 2 7	..	12,082 10 8	24,862 8 7	..
Waterworks ..	690,010 7 10	315,736 7 2	228,276 6 9	117,209 0 0	..	..	..	27,521 2 0	..
Urban ..	42,943 11 5	36,696 10 10	5,942 18 4	3,139 0 0	..	..	3,249 6 7	3,108 0 7	..
Flood Protection ..	23,671 10 7	20,168 18 10	..	809 0 0	..	..	..	..	..
Drainage ..	..	..	..	..	..	..	..	..	..
Totals ..	2,955,336 9 6	2,259,247 1 1	256,803 10 5	139,332 0 0	13,829 13 8	..	36,301 15 7	322,425 19 11	301,492 17 6

DISTRICTS SUBSIDIZED OR SUPPLIED BY DIRECTION OF GOVERNOR IN COUNCIL.

District.	Receipts.	Operating Costs.	Interest.	Depreciation.	Redemption.	O.I.C. Subsidy Charged to Expenditure Borne by State Account	Result of Operations 1963-64.	Amount Transferred to Irrigation Maintenance Equalization and Renewals Account.	Accumulated to 30th June, 1964.
£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Plant Workshops ..	229,848 1 0	190,429 4 2	13,468 16 6	31,946 0 0	0 11 0	..	6,152 17 0	156 6 4	..
Coliban ..	45,436 1 11	60,182 2 9	..	..	..	19,560 2 2	..	4,814 1 4	..
Irrigation— ..	234,816 7 9	382,216 4 2	10,012 5 0	20,447 0 0	4 13 3	..	177,859 1 5	..	..
Pumping ..	19,224 13 2	21,562 0 4	1,479 16 5	3,262 0 0	..	..	7,651 19 8	568 2 10	..
Gravitation ..	..	..	..	..	..	..	..	..	..
Waterworks ..	..	..	..	..	..	..	..	..	..
Urban ..	..	..	..	..	..	..	..	..	..
Flood Protection ..	..	..	..	..	..	..	..	..	..
Drainage ..	..	..	..	..	..	..	..	..	..
Totals ..	529,325 3 10	654,389 11 5	24,960 17 11	55,655 0 0	5 4 3	19,560 2 2	191,663 18 1	5,538 10 6	..

DISTRICT STATEMENTS—continued.

SUMMARY OF DISTRICT BALANCE-SHEETS AS AT 30TH JUNE, 1964.

District.	Liabilities.						Assets.					
	Capital.	Redemption Account.	(A) Depreciation Reserve Account, (B) Irrigation Districts Maintenance Equalization and Renewals Reserve Account.	Sundry Creditors.	Cash Account Deficiency.	Profit and Loss Account Gain.	Works at Cost.	(A) Depreciation Account, (B) Irrigation Districts Maintenance Equalization and Renewals Account.	Sundry Debtors.	Cash Account Surplus.	Profit and Loss Account. Loss.	
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	
Plant Workshops	271,718 16 6	789 17 7	39,085 10 9	1,563 15 3	5,195 14 4	8,651 11 5	272,464 12 3	39,085 10 9	12,705 5 2	1,186 2 5	1,369,007 19 7	
Coliban	4,461,735 15 9	20,453 11 1	145,515 0 1	1,563 15 3	1,400,601 2 9	..	4,466,731 2 4	145,515 0 1	48,615 2 11	..	..
Irrigation—												
Pumping	3,923,241 18 5	54 19 10	29,234 14 10	177 10 0	820,818 3 1	16,866 5 11	3,923,296 18 3	29,234 14 10	43,087 7 5	6,741 7 7	777,908 5 8	
Gravitation	68,191,698 4 5	28,512 3 7	254,655 0 9	8,738 12 5	605,920 12 10	38,434 14 11	68,220,210 8 0	254,655 0 9	260,854 1 0	29,995 8 2	363,930 2 7	
Waterworks	9,650,189 6 1	43,463 8 0	300,764 18 6	2,304 19 2	5,116,668 3 3	357,475 7 3	9,683,573 11 7	300,764 18 6	125,503 1 0	236,553 16 6	5,108,478 8 9	
Urban	11,953,961 4 2	157,156 12 0	808,068 1 10	972 11 7	1,101,147 2 9	2,313 1 3	12,031,725 16 4	808,068 1 10	152,999 14 9	236,553 16 6	88,433 10 2	
Flood Protection	934,654 18 6	6,023 7 11	14,413 0 0	6 12 9	76,371 2 9	22,359 1 11	940,678 5 5	14,413 0 0	16,677 19 7	2,208 6 4	59,804 11 0	
Drainage	706,185 18 4	1,493 1 10	2,854 11 6	121 15 3	..	..	707,181 5 6	2,854 11 6	6,289 12 1	16,688 19 9	..
Totals	100,093,386 2 2	257,947 1 10	1,310,701 2 8	13,885 16 5	8,135,722 1 9	446,100 2 10	100,315,662 0 8	1,310,701 2 8	570,442 5 10	293,374 0 9	7,767,562 17 9	
			(B) 283,889 15 7					(B) 283,889 15 7				

DISTRICTS WHICH WERE REQUIRED TO MEET ALL ANNUAL OPERATING COSTS.

	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Plant Workshops ..	271,718 16 6	789 17 7	39,085 10 9	..	5,195 14 4	8,651 11 5	272,464 12 3	39,085 10 9	12,705 5 2	1,186 2 5	189 15 5
Coliban ..	7,519 17 5	..	1,036 19 9	..	220 2 7	..	7,519 17 5	1,036 19 9	30 7 2	..	..
Irrigation—											
Pumping ..	3,390,242 3 1	28,512 3 7	28,685 5 1	131 7 8	489,187 9 7	16,866 5 11	3,390,242 3 1	28,685 5 1	29,765 11 3	6,741 7 7	459,553 6 0
Gravitation ..	68,191,698 4 5	32,113 11 9	254,655 0 9	8,738 12 5	605,920 12 10	38,434 14 11	68,220,210 8 0	254,655 0 9	260,854 1 0	29,995 8 2	363,930 2 7
Waterworks ..	3,860,985 7 9	153,060 17 10	95,636 2 9	235 8 9	230,528 10 0	357,475 7 3	3,887,810 0 0	95,636 2 9	23,747 6 11	236,553 16 6	220,744 19 1
Urban ..	11,700,369 8 4	1,530,607 17 10	784,797 18 4	929 10 0	30,180 9 6	2,313 1 3	11,844,554 16 7	784,797 18 4	144,402 11 4	2,208 6 4	16,504 8 6
Flood Protection ..	934,654 18 6	6,023 7 11	14,413 0 0	6 12 9	76,371 2 9	22,359 1 11	940,678 5 5	14,413 0 0	16,677 19 7	16,688 19 9	59,804 11 0
Drainage ..	706,185 18 4	1,493 1 10	2,854 11 6	121 15 3	..	..	707,181 5 6	2,854 11 6	6,289 12 1	..	..
Totals ..	89,063,374 14 4	221,993 0 6	937,824 3 1	10,163 6 10	1,437,604 2 7	446,100 2 10	89,270,661 9 3	937,824 3 1	494,472 14 6	293,374 0 9	1,120,727 2 7

DISTRICTS SUBSIDIZED OR SUPPLIED BY DIRECTION OF GOVERNOR IN COUNCIL.

	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Plant Workshops ..	4,454,215 18 4	20,453 11 1	144,478 0 4	1,563 15 3	1,400,381 0 2	..	4,459,211 4 11	144,478 0 4	48,584 15 9	..	1,368,818 4 2
Coliban ..	532,999 15 4	54 19 10	549 9 9	46 2 4	331,630 13 6	..	533,054 15 2	549 9 9	13,321 16 2	..	318,354 19 8
Irrigation—											
Pumping ..	5,789,203 18 4	11,349 16 3	205,128 15 9	2,069 10 5	4,886,139 12 3	..	5,795,563 11 7	205,128 15 9	5,465 16 0	..	4,887,733 9 8
Gravitation ..	253,591 15 10	4,095 14 2	23,270 3 6	43 1 7	79,966 13 3	..	257,170 19 9	23,270 3 6	8,597 3 5	..	71,929 1 8
Waterworks ..	..	..	..	..	..	..	..	..	..	..	..
Urban ..	..	..	..	..	..	..	..	..	..	..	..
Flood Protection ..	..	..	..	..	..	..	..	..	..	..	..
Drainage ..	..	..	..	..	..	..	..	..	..	..	..
Totals ..	11,030,011 7 10	35,954 1 4	372,876 19 7	3,722 9 7	6,698,117 19 2	..	11,045,000 11 5	372,876 19 7	75,969 11 4	..	6,646,835 15 2

IRRIGATION DISTRICTS MAINTENANCE EQUALIZATION AND RENEWALS ACCOUNT, 1963-64.

DISTRICT.	Balance at 1st July, 1963.	Capitalized Maintenance Paid Direct to Account 1963-64.	Cash Surpluses Transferred to Account 1963-64.	TOTAL.	Expenditure 1963-64.	Balance at 30th June, 1964.
1.	2.	3.	4.	5.	6.	7.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Bacchus Marsh	9,582 8 9	28 10 0	8,901 9 4	18,512 8 1	5,700 15 8	12,811 12 5
Campaspe	823 13 7	..	133 7 10	957 1 5	..	957 1 5
Goulburn-Murray	44,007 18 10	2,431 12 8	241,034 2 0	287,473 13 6	114,062 15 7	173,410 17 11
Macalister	34,010 17 10	21 18 0	38,751 18 1	72,784 13 11	15,695 5 10	57,089 8 1
Merbein	771 19 4	..	..	771 19 4	..	771 19 4
Nyah	711 4 5	..	..	711 4 5	..	711 4 5
Red Cliffs	2,719 11 8	..	..	2,719 11 8	222 7 4	2,497 4 4
Robinvale	16,164 11 11	..	9,251 9 6	25,416 1 5	..	25,416 1 5
Tresco	323 10 1	..	..	323 10 1	485 4 9	Cr. 161 14 8
Werribee	8,364 15 0	..	3,420 10 9	11,785 5 9	1,399 4 10	10,386 0 11
TOTALS	117,480 11 5	2,482 0 8	301,492 17 6	421,455 9 7	137,565 14 0	283,889 15 7

WATER SUPPLY WORKS DEPRECIATION ACCOUNTS, 1963-64.

DISTRICT.	Balance at 1st July, 1963.	Amount Paid into Account 1963-64.	Interest 1963-64.	TOTAL.	Expenditure 1963-64.	Balance in Account at 30th June, 1964.
1.	2.	3.	4.	5.	6.	7.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
WATERWORKS DISTRICTS.						
Axe Creek .. ..	..	124 0 0	..	124 0 0	..	124 0 0
Bellarine Peninsula	Cr. 10,203 1 9	1,794 0 0	Cr. 255 1 6	Cr. 8,664 3 3	..	Cr. 8,664 3 3
East Loddon	594 19 6	15 0 0	14 17 6	624 17 0	..	624 17 0
Harcourt	487 5 8	831 0 0	12 3 8	1,330 9 4	..	1,330 9 4
Kerang-North-West Lakes	232 1 8	..	5 16 0	237 17 8	..	237 17 8
Mallee	6,050 18 9	512 0 0	151 5 6	6,714 4 3	..	6,714 4 3
Millewa	76,503 4 10	7,177 0 0	1,912 11 7	85,592 16 5	..	85,592 16 5
Mornington Peninsula	58,009 11 4	10,098 0 0	1,391 17 5	69,499 8 9	2,334 11 0	67,164 17 9
Normanville	5,627 11 10	396 0 0	140 13 9	6,164 5 7	..	6,164 5 7
Northern Mallee	15,856 6 0	1,105 0 0	396 8 2	17,357 14 2	..	17,357 14 2
Otway	81,526 16 9	9,515 0 0	2,038 3 5	93,080 0 2	..	93,080 0 2
Tyntynder North	2,136 12 5	194 0 0	53 8 4	2,384 0 9	..	2,384 0 9
Upper Wimmera	685 12 4	22 0 0	17 2 10	724 15 2	..	724 15 2
Werribee	19 6 11	..	0 9 9	19 16 8	..	19 16 8
West Loddon	1,135 16 11	..	28 7 11	1,164 4 10	..	1,164 4 10
Wimmera	25,781 18 2	1,898 0 0	641 10 0	28,321 8 2	121 16 10	28,199 11 4
TOTALS	264,445 1 4	33,681 0 0	6,549 14 4	304,675 15 8	2,456 7 10	302,219 7 10
URBAN DISTRICTS.						
Allansford	2,424 18 6	651 0 0	60 12 6	3,136 11 0	..	3,136 11 0
Anglesea	4,726 15 1	865 0 0	118 3 5	5,709 18 6	..	5,709 18 6
Antwerp	177 9 6	14 0 0	4 6 3	195 15 9	..	195 15 9
Barwon Heads-Ocean Grove	8,670 12 8	2,587 0 0	216 15 4	11,474 8 0	..	11,474 8 0
Baxter-Pearcedale .. ..	..	451 0 0	..	451 0 0	..	451 0 0
Berriwillock	446 12 3	51 0 0	8 13 4	506 5 7	100 0 0	406 5 7
Berwick	8,031 4 0	1,431 0 0	200 15 8	9,662 19 8	..	9,662 19 8
Beulah	1,493 11 7	134 0 0	37 6 10	1,664 18 5	..	1,664 18 5
Birchip	783 4 2	127 0 0	19 11 8	929 15 10	..	929 15 10
Birregurra	2,094 19 3	181 0 0	52 7 6	2,328 6 9	..	2,328 6 9
Brim	220 7 6	80 0 0	5 10 2	305 17 8	..	305 17 8
Bunyip	2,667 7 3	824 0 0	59 15 2	3,551 2 5	277 0 0	3,274 2 5
Camperdown	23,708 4 3	1,595 0 0	592 14 1	25,895 18 4	..	25,895 18 4
Carrum Downs	669 18 6	494 0 0	16 15 0	1,180 13 6	..	1,180 13 6
Carwarp	296 5 10	10 0 0	6 3 10	312 9 8	..	312 9 8
Chillingollah	71 7 5	29 0 0	1 15 8	102 3 1	..	102 3 1
Chinkapook	207 14 8	30 0 0	5 3 10	242 18 6	..	242 18 6
Cobden	6,814 2 3	779 0 0	170 7 1	7,763 9 4	..	7,763 9 4
Coliban	108,789 10 8	30,071 0 0	2,719 14 9	141,580 5 5	..	141,580 5 5
Corop	292 6 0	46 0 0	7 6 2	345 12 2	..	345 12 2
Cranbourne	2,913 18 1	919 0 0	72 16 11	3,905 15 0	..	3,905 15 0
Culgoa	448 2 0	46 0 0	11 4 0	505 6 0	..	505 6 0
Dandenong-Springvale	64,660 5 0	5,946 0 0	1,616 10 2	72,222 15 2	..	72,222 15 2
Dimboola	4,636 10 5	421 0 0	114 6 7	5,171 17 0	63 8 6	5,108 8 6
Dingee	871 18 4	120 0 0	19 15 11	1,011 14 3	80 0 0	931 14 3
Doon	506 1 0	20 0 0	12 13 0	538 14 0	..	538 14 0
Dromana-Portsea	166,609 2 11	37,630 0 0	4,165 4 7	208,404 7 6	..	208,404 7 6
Drysdale	4,417 3 9	597 0 0	110 8 7	5,124 12 4	..	5,124 12 4
Eildon	8,860 13 8	1,174 0 0	221 10 4	10,256 4 0	..	10,256 4 0
Elphinstone	890 14 5	124 0 0	22 5 4	1,036 19 9	..	1,036 19 9
Frankston-Mornington	191,697 11 9	36,796 0 0	4,787 1 3	233,280 13 0	215 0 0	233,065 13 0
Garfield	1,351 14 9	605 0 0	33 15 10	1,990 10 7	..	1,990 10 7
Gunbower	312 16 5	153 0 0	7 16 5	473 12 10	..	473 12 10
Hampton Park	624 0 0	646 0 0	15 12 0	1,285 12 0	..	1,285 12 0

WATER SUPPLY WORKS DEPRECIATION ACCOUNTS, 1963-64—continued.

DISTRICT.	Balance at 1st July, 1963.	Amount Paid into Account 1963-64.	Interest 1963-64.	TOTAL.	Expenditure 1963-64.	Balance in Account at 30th June, 1964.
1.	2.	3.	4.	5.	6.	7.
URBAN DISTRICTS—continued.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Heyfield	5,882 12 7	624 0 0	139 11 4	6,646 3 11	300 0 0	6,346 3 11
Hopetoun	1,630 11 0	160 0 0	40 15 3	1,831 6 3	..	1,831 6 3
Indented Head—St. Leonards	1,282 0 0	1,444 0 0	32 1 0	2,758 1 0	..	2,758 1 0
Jeparit	1,311 1 9	200 0 0	32 15 7	1,543 17 4	..	1,543 17 4
Jung Jung	883 6 10	114 0 0	22 1 8	1,019 8 6	..	1,019 8 6
Koondrook	1,970 11 7	210 0 0	49 4 4	2,229 15 11	..	2,229 15 11
Lake Boga	2,143 13 7	203 0 0	53 11 10	2,400 5 5	..	2,400 5 5
Lalbert	264 13 10	92 0 0	6 12 4	363 6 2	..	363 6 2
Lascelles	413 18 11	68 0 0	10 6 11	492 5 10	..	492 5 10
Leitchville	974 16 5	191 0 0	24 7 5	1,190 3 10	..	1,190 3 10
Leopold	280 4 4	137 0 0	7 0 1	424 4 5	..	424 4 5
Lockington	645 15 1	158 0 0	16 2 11	819 18 0	..	819 18 0
Longwarry	4,620 0 1	965 0 0	115 10 0	5,700 10 1	..	5,700 10 1
Macorna	486 11 7	54 0 0	12 3 4	552 14 11	..	552 14 11
Manangatang	398 0 7	93 0 0	9 19 2	500 19 9	..	500 19 9
Marnoo	1,947 6 8	99 0 0	48 13 8	2,095 0 4	..	2,095 0 4
Marong	1,263 13 9	148 0 0	31 11 10	1,443 5 7	..	1,443 5 7
Merbein	6,250 15 2	623 0 0	133 2 5	7,006 17 7	926 0 0	6,080 17 7
Meringur	472 6 6	36 0 0	11 16 2	520 2 8	..	520 2 8
Minyip	889 6 0	189 0 0	22 4 8	1,100 10 8	..	1,100 10 8
Mitiamo	391 11 3	98 0 0	9 15 9	499 7 0	..	499 7 0
Murrabit	847 7 11	118 0 0	21 3 9	986 11 8	..	986 11 8
Nandaly	388 0 0	36 0 0	9 14 0	433 14 0	..	433 14 0
Nar-Nar-Goon-Tynong ..	1,723 6 3	686 0 0	43 1 8	2,452 7 11	..	2,452 7 11
Natimuk	1,601 2 1	140 0 0	37 0 5	1,778 2 6	120 5 10	1,657 16 8
Newstead	3,002 5 7	236 0 0	75 1 2	3,313 6 9	..	3,313 6 9
Nullawil	467 11 6	43 0 0	11 13 9	522 5 3	..	522 5 3
Nyah	1,454 9 1	99 0 0	36 7 3	1,589 16 4	..	1,589 16 4
Nyah West	2,261 13 11	117 0 0	56 9 10	2,435 3 9	2 0 0	2,433 3 9
Officer	812 0 8	371 0 0	20 6 0	1,203 6 8	..	1,203 6 8
Ouyen	3,640 11 2	590 0 0	91 0 4	4,321 11 6	..	4,321 11 6
Pakenham	4,349 8 8	1,462 0 0	108 14 9	5,920 3 5	..	5,920 3 5
Patchewollock	338 18 9	54 0 0	8 9 5	401 8 2	..	401 8 2
Piangil	1,061 10 9	105 0 0	26 10 9	1,193 1 6	..	1,193 1 6
Pimpinio	335 9 6	67 0 0	8 7 9	410 17 3	..	410 17 3
Portarlinton	10,480 6 0	1,188 0 0	262 0 2	11,930 6 2	..	11,930 6 2
Pyramid Hill	1,581 2 1	112 0 0	39 10 7	1,732 12 8	..	1,732 12 8
Quambatook	203 8 11	130 0 0	0 0 2	333 9 1	203 0 0	130 9 1
Queenscliff—Pt. Lonsdale ..	13,201 14 5	2,004 0 0	326 6 8	15,532 1 1	148 8 0	15,383 13 1
Rainbow	2,290 5 11	233 0 0	57 5 2	2,580 11 1	..	2,580 11 1
Red Cliffs	5,231 7 11	771 0 0	130 15 9	6,133 3 8	..	6,133 3 8
Robinvale	2,629 13 2	281 0 0	65 14 10	2,976 8 0	..	2,976 8 0
Rupanyup	1,544 14 10	189 0 0	38 12 4	1,772 7 2	..	1,772 7 2
Sea Lake	1,527 2 8	300 0 0	38 3 7	1,865 6 3	..	1,865 6 3
Speed	425 15 8	78 0 0	10 12 11	514 8 7	..	514 8 7
Stanhope	2,626 15 9	331 0 0	65 13 5	3,023 9 2	..	3,023 9 2
Tallygaroopna	641 7 2	59 0 0	16 0 8	716 7 10	..	716 7 10
Tempy	797 2 10	78 0 0	19 18 7	895 1 5	..	895 1 5
Terang	17,265 18 2	1,006 0 0	431 12 11	18,703 11 1	..	18,703 11 1
Torquay	5,164 15 0	656 0 0	129 2 4	5,949 17 4	..	5,949 17 4
Ultima	751 1 3	86 0 0	18 10 6	855 11 9	10 1 6	845 10 3
Waitchie	198 8 8	20 0 0	4 19 3	223 7 11	..	223 7 11
Walpeup	434 2 5	45 0 0	10 17 1	489 19 6	..	489 19 6
Watchem	1,147 19 8	85 0 0	28 14 0	1,261 13 8	..	1,261 13 8
Werrimull	588 11 1	72 0 0	14 14 4	675 5 5	..	675 5 5
Westernport	15,863 18 2	3,360 0 0	358 6 9	19,582 4 11	1,530 9 0	18,051 15 11
Wonthaggi	18,404 5 5	2,409 0 0	456 14 5	21,269 19 10	136 0 0	21,133 19 10
Woomelang	1,500 16 11	131 0 0	37 10 5	1,669 7 4	..	1,669 7 4
Woorinen	200 17 10	48 0 0	5 0 6	253 18 4	..	253 18 4
Wycheproof	3,817 8 2	252 0 0	84 3 3	4,153 11 5	451 0 0	3,702 11 5
Yaapeet	895 12 1	30 0 0	22 7 10	947 19 11	..	947 19 11
TOTALS	787,488 9 4	149,631 0 0	19,571 16 1	956,691 5 5	4,562 12 10	952,128 12 7
FLOOD PROTECTION DISTRICT.						
Koo-Wee-Rup	11,546 6 10	2,988 0 0	278 13 2	14,813 0 0	400 0 0	14,413 0 0
DRAINAGE DISTRICT.						
Carrum	2,048 7 4	755 0 0	51 4 2	2,854 11 6	..	2,854 11 6
SEWERAGE DISTRICT.						
Eildon	5,245 16 4	998 0 0	131 2 10	6,374 19 2	..	6,374 19 2
BUILDINGS.						
Buildings	34,075 2 5	5,250 0 0	816 19 0	40,142 1 5	1,397 2 7	38,744 18 10
PLANT WORKSHOPS.						
Bendigo	33,029 17 1	2,400 0 0	825 14 10	36,255 11 11	..	36,255 11 11
Kerang	2,166 8 1	232 0 0	54 3 3	2,452 11 4	..	2,452 11 4
Tatura	319 7 10	50 0 0	7 19 8	377 7 6	..	377 7 6
TOTALS	35,515 13 0	2,682 0 0	887 17 9	39,085 10 9	..	39,085 10 9
GRAND TOTALS	1,140,364 16 7	195,985 0 0	28,287 7 4	1,364,637 3 11	8,816 3 3	1,355,821 0 8

RECONCILIATION OF WATER SUPPLY WORKS DEPRECIATION ACCOUNT WITH THE
WATER SUPPLY WORKS DEPRECIATION FUND.

[illegible]

WATER SUPPLY PLANT AND MACHINERY ACCOUNT (Act 6413)

SUMMARY OF CAPITAL TRANSACTIONS FOR YEAR ENDED 30TH JUNE, 1964

	£	s.	d.	£	s.	d.
Plant and Machinery—						
Debit balance in account as at 30th June, 1963	1,553,141	18	8
<i>Add—</i>						
Purchase of Plant from Loan Funds during year 1963–64	163,648	8	3
				<u>1,716,790</u>	<u>6</u>	<u>11</u>
<i>Deduct—</i>						
Redemption paid to Treasury, 30th June, 1964	3,960	3	5
Repayment to State Loans Repayment Fund	101,795	12	7
				<u>105,755</u>	<u>16</u>	<u>0</u>
Total Capital Liability	1,611,034	10	11

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

Plant and Machinery—						
Payments to 30th June, 1963	..	..	..	699,223	1	2
Amount due and paid for year 1963–64	..	..	..	47,522	1	0
				<u>746,745</u>	<u>2</u>	<u>2</u>

WATER SUPPLY PLANT AND MACHINERY ACCOUNT (Act 6413)

SUMMARY OF OPERATING TRANSACTIONS FOR YEAR ENDED 30TH JUNE, 1964

	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.
Balance as at 1st July, 1963				315,429	16	3						
Amount charged for moneys authorized for carrying out Construction and Maintenance of Commission's Works on which Plant and Machinery were engaged with respect to Capital Liability of £1,611,034 10 11 as at 30th June, 1964												
Interest	79,131	19	11									
Redemption	6,594	6	8									
Depreciation	273,014	6	10									
Cost of Operation Maintenance and Repairs, etc.	407,538	19	3									
	<u>766,279</u>	<u>12</u>	<u>8</u>									
Interest—Depreciation Fund Investments				42,437	10	0						
				<u>1,124,146</u>	<u>18</u>	<u>11</u>						
Interest due for year paid to Revenue No. 2 to 30th June, 1964										47,522	1	0
Redemption paid to Revenue No. 9 Miscellaneous to 30th June, 1964										3,960	3	5
Water Supply Plant and Machinery Depreciation Fund (Investment in Treasury)				273,014	6	10						
Interest on Funds Investment				42,437	10	0						
				<u>315,451</u>	<u>16</u>	<u>10</u>						
Cost of operations, Maintenance & Repairs, etc.										362,195	9	11
Plant and Machinery Operating Account Reserve as at 30th June, 1964										395,017	7	9
										<u>1,124,146</u>	<u>18</u>	<u>11</u>

[illegible]

CAPITAL EXPENDITURE

CAPITAL EXPENDITURE ON WORKS OF COUNTRY WATER SUPPLY AS AT 30TH JUNE, 1964. RECONCILIATION STATEMENTS.

(A) LOAN

Net Loan Capital as per Annual Report

	£	s.	d.	£	s.	d.
Total Loan Expenditure (Finance page 95) .. .. .	..	..	..	149,546,834	8	6
<i>Add—</i>						
Discount and Expenses <i>Less</i> Premiums Country Water Supply (Finance pages 94 and 95) 2,778,355	1	4				
Loan Expenditure Geelong Works	441,152	1	8	3,219,507	3	0
				152,766,341	11	6
<i>Less—</i>						
Redemption—						
State Loans Repayment Fund, &c., (Finance pages 95 and 96)	6,013,313	9	11			
Paid to Consolidated Revenue	1,334,993	10	9	7,348,307	0	8
Net Loan Capital as per Annual Report .. .. .	..	..	..	145,418,034	10	10

(B) UNEMPLOYMENT RELIEF FUNDS

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.	£	s.	d.	
Expenditure as at 30th June, 1957, Act 5746 (Sewerage Act)	..	..	..	..	..	..	..	..	..	..	1,113,357	6	5
Expenditure as at 30th June, 1963, Water Supply Loan Application Act	..	..	..	..	..	..	..	..	..	..	3,467,345	7	3
Expenditure 1963-64—														
Act 6934	..	..	..	..	..	..	..	..	125,565	17	5		
Act 7056	..	..	..	..	..	..	..	..	467,848	0	8		
Treasurer's Advance Pending Loan	..	..	..	..	..	..	..	..	11,633	15	7		
												605,047	13	8
Totals as at 30th June, 1964	..	..	..	..	..	..	..	..	..	..	5,185,750	7	4
Expenditure at Debit of Authorities Act 5746 (Sewerage Act)	..	..	..	..	..	..	..	1,024,805	3	8			
Expenditure at Debit of Authorities Water Supply Loan Application Act	..	..	..	..	..	..	..	2,660,802	19	2			
											3,685,608	2	10	
Amounts transferred by Order in Council to Expenditure Borne by the State Account—														
Sewerage Act	..	..	..	..	..	..	..	88,552	2	9			
Water Supply Loan Application Acts	..	..	..	..	..	..	..	1,411,590	1	9			
											1,500,142	4	6	
											5,185,750	7	4	

EILDON SEWERAGE DISTRICT

Amounts transferred from Country Sewerage Authorities	103,800	0	0
Less Redemption paid to Consolidated Revenue	2,902	16	7
	100,897	3	5
Expenditure at Debit of District	72,337	3	5
Expenditure Borne by the State Account	28,560	0	0
	100,897	3	5

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

CAPITAL EXPENDITURE, 1963-1964.		£	s.	d.	£	s.	d.	£	s.	d.
Expenditure during the year on Capital Works of Water Supply—										
From Ordinary Loan Funds								8,248,454	8	5
Loan Capital Liability—										
Net Loan Liability of State for Works of Country Water Supply at 30th June, 1964								132,051,817	17	11
Represented by—										
Works at Debit of Authorities—										
Commission Districts		9,569,371	6	5						
Water Supply Plant and Machinery Account		1,611,034	10	11						
Plant Workshops		17,252	16	11						
Waterworks Trusts and Local Governing Bodies		12,866,219	1	11						
River Improvements		207,931	8	11						
Latrobe Valley		5,213,267	1	1						
					29,485,076	6	2			
Capital Expenditure Borne by the State—										
Capital Works and Charges		8,065,365	16	5						
State Works of Water Supply		1,280,451	5	7						
Headworks and Distributary Works		98,710,190	8	7						
Waterworks Trusts and Local Governing Bodies		6,016,129	6	6						
Free Grants to Local Authorities in early years		142,356	4	11						
River Improvement Trusts		1,643,892	1	5						
Latrobe Valley		74,573	1	3						
					115,932,958	4	8			
Net Loan Capital Liability of Commission's Districts and Works under Control of the Commission								145,418,034	10	10
Less Amount from National Debt Sinking Fund, being the difference between redemption recoup contributions paid by Districts, Waterworks Trusts, &c. (£1,334,993 10s. 9d.) and the amount (£14,701,210 3s. 8d.) contributed from Consolidated Revenue to the National Debt Sinking Fund (Finance pages 94 and 95)								13,366,216	12	11
Net Liability Country Water Supply Capital Account in Treasury								132,051,817	17	11
INTEREST AND EXCHANGE.										
The Total Interest on the Loan Liability for 1963-64 is								6,206,358	7	9
To which is to be added—										
Exchange payable on Overseas Interest								233,004	8	0
Loan Conversion Expenses								4,578	3	2
								6,443,940	18	11
Interest Debitable to—										
Works at Debit of Authorities—										
Commissions Districts					281,764	8	4			
Trusts					537,896	1	3			
Water Supply Plant and Machinery Account					47,522	1	0			
								867,182	10	7
Capital Expenditure Borne by the State—										
Capital Works and Charges					345,260	0	0			
State Works of Water Supply					49,746	0	0			
Headworks and Distributary Works not Debited to Districts					3,992,868	17	2			
Waterworks Trusts and Local Governing Bodies					945,771	0	0			
Free Grants to Local Authorities in early years					5,530	0	0			
								5,339,175	17	2
								6,206,358	7	9
Exchange £233,004 8s. 0d. and Loan Conversion Expenses, £4,578 3s. 2d. not apportioned								237,582	11	2
								6,443,940	18	11

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, 1964.

Year ended 30th June.	Expenditure under Water Supply Loans Application Act.		Capital Expenditure by Commission from Unemployment Relief Funds.		Capital Expenditure under Water 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.
1906-1957(a)		95,091,806 15 4		2,860,747 0 0		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
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
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
1961 ..	7,981,549 8 11	124,869,619 16 7		2,860,747 0 0	7,981,549 8 11	127,730,366 16 7
1962 ..	7,874,234 12 10	132,743,854 9 5		2,860,747 0 0	7,874,234 12 10	135,604,601 9 5
1963 ..	7,964,242 10 0	140,708,096 19 5		2,860,747 0 0	7,964,242 10 0	143,568,843 19 5
1964 ..	8,248,454 8 5	148,956,551 7 10		2,860,747 0 0	8,248,454 8 5	151,817,298 7 10

NOTE.—(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. For details of prior expenditure see page 97, Annual Report 1959-60.

CAPITAL EXPENDITURE—continued.

STATEMENT OF MONEYS EXPENDED UNDER WATER SUPPLY LOAN ACTS FOR THE YEAR ENDED 30TH JUNE, 1964.

Works.	Water Supply Loan Funds.								
	Act 6934.			Act 7056.			Total.		
	£	s.	d.	£	s.	d.	£	s.	d.
Main Supply Works, Stores, and Workshops									
Advance Lands Compensation Payments .. .. .	..	..	..	103,896	16	0	103,896	16	0
Bellarine Peninsula Headworks	296	17	2	4,866	3	3	5,163	0	5
Buffalo Reservoir	5,230	12	5	355,757	12	1	360,988	4	6
Bulk Storeyard—South Melbourne	22	10	0	71	15	0	94	5	0
Cairn Curran Reservoir	663	6	2	2,949	11	9	3,612	17	11
Central Highlands Development Project	301	19	6	448	6	7	750	6	1
Commission Buildings	10,274	19	3	14,231	12	1	24,506	11	4
Commission Workshops	42	9	2	4	0	0	46	9	2
East Goulburn Main Channel	8,075	11	7	5,664	18	6	13,740	10	1
Eildon Reservoir	38	8	3	1,154	0	0	1,192	8	3
Eppalock Reservoir	217,632	17	10	316,959	13	11	534,592	11	9
Glenmaggie Weir	37	2	8	71	17	5	109	0	1
Goulburn Weir	5,874	13	3	25,972	17	10	31,847	11	1
Goulburn System Enlargement	23,130	4	9	25,137	5	3	48,267	10	0
Irrigation Research Branch	4,655	15	10	6,515	15	0	11,171	10	10
Lake Bellfield Reservoir	369,818	19	2	841,814	17	1	1,211,633	16	3
Lake Corangamite Drainage Project	4,066	17	6	6,283	17	6	10,350	15	0
Little Murray Weir	714	13	11	1,274	18	10	1,989	12	9
Loddon River Works	3	0	0	44	7	6	47	7	6
Maffra Weir	13	19	11	1	0	0	14	19	11
Melton Reservoir	78	2	2	272	19	2	351	1	4
Mornington Peninsula Headworks	154,313	14	10	376,487	19	9	530,801	14	7
Otway System Headworks	8,484	12	3	71,486	1	7	79,970	13	10
Plant and Machinery	53,695	2	3	109,953	6	0	163,648	8	3
Pykes Creek Reservoir .. .. .	..	..	..	119	0	0	119	0	0
Recreational Facilities at Headworks	2,053	8	7	11,319	4	8	13,372	13	3
River Murray Agreement Works	20,000	0	0	100,000	0	0	120,000	0	0
Rocklands Storage and Outlet Channel .. .. .	..	..	..	628	0	0	628	0	0
Stuart Murray Canal	41	0	0	3,225	1	10	3,266	1	10
Surveys and Investigations	16,314	0	2	111,503	0	2	127,817	0	4
Toolondo Reservoir	109	6	0	11	0	0	120	6	0
Torrumbarry System	12,864	1	7	23,505	7	5	36,369	9	0
Tullaroop Reservoir	41	0	0	3	10	0	44	10	0
Waranga Reservoir Enlargement	200	0	0	20	0	0	220	0	0
Waranga Western Main Channel	50,908	12	11	87,469	4	1	138,377	17	0
Werribee Research Station	73	16	7	856	15	7	930	12	2
Wimmera Main Channels	17,354	10	10	44,054	1	0	61,408	11	10
Wimmera Storages	11	0	0	198	16	6	209	16	6
Total	987,437	6	6	2,654,234	13	4	3,641,671	19	10
Irrigation Districts									
Bacchus Marsh	8,024	11	10	3,355	14	11	11,380	6	9
Campaspe	2,494	1	5	112,919	18	6	115,413	19	11
Goulburn-Murray	530,552	7	7	937,748	17	7	1,468,301	5	2
Macalister	12,229	15	11	97,671	17	4	109,901	13	3
Merbein	9,925	8	9	22,946	13	8	32,872	2	5
Nyah	265	6	6	799	7	0	1,064	13	6
Red Cliffs	2,641	18	10	24,858	17	0	27,500	15	10
Robinvale	126	7	0	1,360	3	11	1,486	10	11
Tresco	715	0	8	1,030	4	10	1,745	5	6
Werribee	Cr. 1,095	15	5	412	1	0	Cr. 683	14	5
Total	565,879	3	1	1,203,103	15	9	1,768,982	18	10
Waterworks Districts									
Axe Creek	14	15	10	30	19	6	45	15	4
Bellarine Peninsula	24	4	8	17	16	7	42	1	3
East Loddon	20	11	9	634	7	8	654	19	5
Harcourt	95	2	8	225	1	4	320	4	0
Kerang-North West Lakes	79	6	10	27	0	5	106	7	3
Mallee	2,219	6	8	1,249	7	4	3,468	14	0
Millewa	636	10	4	372	11	11	1,009	2	3
Mornington Peninsula	5,358	19	11	3,892	4	8	9,251	4	7
Normanville	188	9	11	1,112	15	10	1,301	5	9
Northern Mallee	1,198	16	3	5,479	15	2	6,678	11	5
Otway	611	1	6	1,648	7	1	2,259	8	7
Tyntynder North	7	4	11	206	9	0	213	13	11
Upper Wimmera	579	1	8	1,254	12	8	1,833	14	4
Werribee	19	2	..	23	8	10	24	8	0
West Loddon	134	4	0	1,020	19	2	1,155	3	2
Wimmera	4,479	1	9	12,092	2	7	16,571	4	4
Total	15,647	17	10	29,287	19	9	44,935	17	7

CAPITAL EXPENDITURE—*continued.*

Works.	Water Supply Loan Funds.								
	Act 6934.			Act 7056.			Total.		
	£	s.	d.	£	s.	d.	£	s.	d.
Urban Districts.									
Allansford	47	13	10	53	6	2	101	0	0
Anglesea	3,949	7	6	5,269	15	1	9,219	2	7
Barwon Heads—Ocean Grove	440	9	5	1,946	14	4	2,387	3	9
Baxter-Pearcedale	114	1	3	301	12	6	415	13	9
Berriwillock	382	5	2	104	12	7	486	17	9
Berwick	1,512	14	5	3,883	16	4	5,396	10	9
Beulah	1,991	10	11	315	11	10	2,307	2	9
Birchip	354	11	7	22	1	3	376	12	10
Birregurra	6	11	7	..	..	..	6	11	7
Brim	19	8	9	375	19	6	395	8	3
Bunyip	17	12	3	40	2	0	57	14	3
Camperdown	120	17	9	210	0	1	330	17	10
Carrum Downs	219	8	0	302	19	10	522	7	10
Chillingollah	18	5	6	196	19	5	215	4	11
Chinkapook	36	17	3	19	12	3	56	9	6
Cobden	12,126	13	10	1,555	1	11	13,681	15	9
Coliban	46,998	0	7	125,074	18	5	172,072	19	0
Cranbourne	2,756	17	10	11,885	14	3	14,642	12	1
Culgoa	168	10	8	28	19	8	197	10	4
Dandenong-Springvale	1,085	14	10	2,303	16	10	3,389	11	8
Dimboola	148	16	0	1,465	9	9	1,614	5	9
Dingee	385	10	5	904	5	3	1,289	15	8
Dromana-Portsea	115,598	2	0	252,293	11	0	367,891	13	0
Drysdale	556	12	10	5,809	14	10	6,366	7	8
Elphinstone	114	15	4	181	6	1	296	1	5
Frankston-Mornington	12,542	14	7	65,206	18	8	77,749	13	3
Garfield	16	1	5	61	1	7	77	3	0
Hampton Park	178	0	9	541	12	5	719	13	2
Heyfield	1	16	3	3,744	5	11	3,746	2	2
Hopetoun	1,550	19	10	916	9	11	2,467	9	9
Indented Head—St. Leonards	5,955	2	11	3,623	4	11	9,578	7	10
Jeparit	202	9	7	1,545	15	5	1,748	5	0
Jung Jung	385	11	9	45	4	0	430	15	9
Lake Boga	392	15	11	182	1	6	574	17	5
Lalbert	113	2	2	28	15	4	141	17	6
Lascelles	8	16	11	..	..	..	8	16	11
Leitchville	143	3	1	128	6	8	271	9	9
Leopold	321	9	9	111	17	7	433	7	4
Lockington	Cr. 2	7	6	..	..	..	Cr. 2	7	6
Longwarry	9	1	4	48	5	9	57	7	1
Manangatang	97	14	8	311	9	9	409	4	5
Marnoo	12	18	6	936	0	9	948	19	3
Marong	6	9	..	14	0	..	1	0	9
Merbein	16	1	8	6,168	16	11	6,184	18	7
Minyip	32	7	3	497	10	7	529	17	10
Murrabit .. .. .	..	..	..	1,484	17	11	1,484	17	11
Nandaly .. .. .	..	..	..	1	8	..	1	8	..
Nar Nar Goon-Tynong	391	0	11	202	11	8	593	12	7
Narre Warren	3,690	5	0	3,664	14	6	7,354	19	6
Natimuk	26	11	3	1,511	1	7	1,537	12	10
Newstead	708	9	9	249	6	4	957	16	1
Noorat-Glenormiston	191	9	1	48,324	19	1	48,516	8	2
Nullawil	99	19	2	19	13	6	119	12	8
Nyah	50	6	4	16	11	8	66	18	0
Nyah West	1,051	4	6	513	14	9	1,564	19	3
Officer	13	0	7	240	13	4	253	13	11
Ouyen	1,196	12	4	231	2	7	1,427	14	11
Pakenham	1,097	13	7	656	1	1	1,753	14	8
Patchewollock	276	2	2	43	19	8	320	1	10
Piangil	184	4	7	474	18	10	659	3	5
Pimpinio	10	10	6	1	0	0	11	10	6
Portarlington	269	5	0	1,255	6	10	1,524	11	10
Pyramid Hill	4	1	8	..	..	..	4	1	8
Quambatook	220	8	9	794	19	9	1,015	8	6
Queenscliff—Pt. Lonsdale	311	12	11	49,709	14	11	50,021	7	10
Rainbow	308	3	10	938	17	2	1,247	1	0
Red Cliffs	143	10	1	276	5	7	419	15	8
Robinvale	61	12	3	425	5	8	486	17	11
Rupanyup .. .. .	..	..	..	319	4	3	319	4	3
Sea Lake	588	4	3	207	9	10	795	14	1
Speed	212	0	2	193	19	0	405	19	2
Stanhope	Cr. 6	16	6	1,850	1	9	Cr. 1,843	5	3
Tallygaroopna	88	14	4	15	8	6	104	2	10
Tempy .. .. .	..	..	..	7	9	1	7	9	1
Terang	67	6	4	48	19	10	116	6	2
Torquay	377	8	8	3,672	0	8	4,049	9	4
Ultima	580	6	7	3,453	18	5	4,034	5	0
Waitchie .. .. .	..	..	..	..	..	..	..	..	..
Walpeup	29	8	6	41	12	10	71	1	4
Watchem	89	19	1	81	11	0	171	10	1
Werrimull	33	4	5	103	2	8	136	7	1
Westernport	1,756	17	11	49,031	10	3	50,788	8	2
Wonthaggi	4,968	5	2	1,531	7	8	6,499	12	10

CAPITAL EXPENDITURE—*continued.*

Works.								Water Supply Loan Funds.		
								Act 6934.	Act 7056.	Total.
Urban Districts— <i>continued.</i>								£ s. d.	£ s. d.	£ s. d.
Woomelang .. .. .	..	..	..	..	..	..	..	217 17 5	724 1 6	941 18 11
Woorinen .. .. .	..	..	..	..	..	..	..	12 14 10	46 5 6	59 0 4
Wycheproof .. .. .	..	..	..	..	..	..	..	402 13 8	1,638 10 6	2,041 4 2
Yaapect .. .. .	..	..	..	..	..	..	..	..	7 9 1	7 9 1
Total .. .. .	..	..	..	..	..	..	..	230,874 12 10	672,654 13 3	903,529 6 1
Drainage District										
Carrum .. .. .	..	..	..	..	..	..	..	9,224 19 7	82,176 8 10	91,401 8 5
Total .. .. .	..	..	..	..	..	..	..	9,224 19 7	82,176 8 10	91,401 8 5
Flood Protection District										
Koo-Wee-Rup .. .. .	..	..	..	..	..	..	..	11,881 0 4	13,582 15 1	25,463 15 5
Total .. .. .	..	..	..	..	..	..	..	11,881 0 4	13,582 15 1	25,463 15 5
Works Under General Supervision										
Waterworks Trusts and Local Governing Bodies .. .. .	..	..	..	..	..	..	..	226,692 5 8	1,130,824 10 3	1,357,516 15 11
River Improvement Trusts .. .. .	..	..	..	..	..	..	..	21,773 0 2	198,226 19 10	220,000 0 0
Latrobe Valley .. .. .	..	..	..	..	..	..	..	35,700 3 0	159,252 3 4	194,952 6 4
Total .. .. .	..	..	..	..	..	..	..	284,165 8 10	1,488,303 13 5	1,772,469 2 3
Grand Total .. .. .	..	..	..	..	..	..	..	2,105,110 9 0	6,143,343 19 5	8,248,454 8 5

SUMMARY.

	£	s.	d.
Ordinary Loan Funds (Acts 6934 and 7056)	8,248,454	8	5
Treasurer's Advance—Waterworks Trusts and Local Governing Bodies	44,983	4	1
Salt Affected Lands (Act 6604)	905	4	5
	8,294,342	16	11

COUNTRY SEWERAGE AUTHORITIES.

	£	s.	d.
Water Supply Loan Application Act 6934 Part VII	90,394	18	2
Water Supply Loan Application Act 6934 Part IX	35,170	19	3
Water Supply Loan Application Act 7056 Part VII	375,636	19	10
Water Supply Loan Application Act 7056 Part IX	92,211	0	10
Treasurers Advance	11,633	15	7
	605,047	13	8

LOAN CAPITAL ACCOUNTS

A.—CAPITAL WORKS AND CHARGES.

	Capital Charges Borne by Districts and Works.		Capital Charges Borne by the State Account.		Total.		Totals as at 30th June, 1964.	
	£	s. d.	£	s. d.	£	s. d.	£	s. d.
Geelong (inclusive of Loan Flotation Expenses)	165,096	3 8	165,096	3 8		
Goulburn Levees	30,797	0 4	30,797	0 4		
Torrumbarry System (excluding Weir)	419,655	0 2	419,655	0 2		
Lang Lang River Works	48,543	8 9	48,543	8 9		
Surveys and Preliminary Investigations	712,768	5 0	712,768	5 0		
Loan Flotation Expenses	2,754,176	4 10	2,754,176	4 10		
River Improvements	19,475	13 5	19,475	13 5		
Bulk Store and Storeyard, South Melbourne, and Dynon-road Storeyard	16,528	4 8	16,528	4 8		
Water Supply Stores Suspense	1,206,000	0 0	1,206,000	0 0		
Plant and Machinery Suspense	1,611,034	10 11		
Central Plant Workshops, Bendigo (Land Buildings and Services, £154,726 3s. 9d. ; Equipment, £46,978 18s. 6d. ; Residences, £50,095 11s. 6d.)	16,941	4 3	251,800	13 9		
Plant Sub-depots, Kerang, £17,322 4s. 8d. ; Tatura, £2,595 18s. 1d. ; Koo-Wee-Rup, £385 11s. 0d.	311	12 8	20,303	13 9		
Commission Buildings, Carlisle House and Fine Arts Building, £9,703 15s. 10d. (Cr.) ; Hydraulic Experimental Station Werribee, £56,983 10s. 3d., including residences ; Engineering Laboratory, Hawthorn, £202 16s. 1d. (Cr.) ; Irrigation and other Branch residences, £69,735 18s. 8d. ; Central Administrative Offices, Toorak, £772,884 13s. 5d. ; Land Purchase, £1,941 14s. 4d. ; Miscellaneous Buildings, £17,060 8s. 4d.	908,699	13 1		
Little River Weir	11,585	2 10	11,585	2 10		
Tallangatta Township Removal	74,425	4 0	74,425	4 0		
Advances to State Electricity Commission for the Provision of Electricity Supply to Water Supply Works	17,036	11 4	17,036	11 4		
Lake Corangamite Drainage Project	492,402	5 10	492,402	5 10		
Mountain Areas Water Supply	390,000	0 0	390,000	0 0		
Central Gippsland—Salt Affected Lands—Act 6413/6604	14,788	12 8	14,788	12 8		
Buffalo Reservoir	400,095	15 2	400,095	15 2		
Recreational Facilities at Headworks	13,372	13 3	13,372	13 3		
Advance Lands Compensation Payments	103,896	16 0	103,896	16 0		
Irrigation Research Branch	11,171	10 10	11,171	10 10		
	1,628,287	7 10	8,065,365	16 5	9,693,653	4 3	9,693,653	4 3
	Carried forward...						9,693,653	4 3

LOAN CAPITAL ACCOUNTS—*continued.*

B.—STATE WORKS OF WATER SUPPLY		Totals as at 30th June, 1964.		
CAPITAL COST OF WHICH IS CHARGEABLE TO CAPITAL EXPENDITURE BORNE BY THE STATE ACCOUNT.		£ s. d.		
Brought forward		£	s.	d.
		22,682	4	5
		738,472	7	4
		26,671	12	10
		231,486	13	5
		50,207	16	1
		174,961	0	10
		27,305	18	5
		8,663	12	3
Carried forward		1,280,451	5	7
		10,974,104	9	10

B.—STATE WORKS OF WATER SUPPLY

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

Brought forward

£ s. d.

22,682 4 5

738,472 7 4

26,671 12 10

231,486 13 5

50,207 16 1

174,961 0 10

27,305 18 5

8,663 12 3

Carried forward

BROKEN RIVER WORKS.—Casey's Weir and offtake, with about 59 chains of channel to Broken Creek; Gowangardie Weir with offtake sluice ..

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)

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, Cullens Lake, Kangaroo Lake, and Lake Tutchewap, and to the Little Murray River, with water storage works at these Lakes ..

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

LAKE LONSDALE RESERVOIR.—Reservoir at Lake Lonsdale, on the Little Wimmera River, near Ledcourt

LODDON RIVER WORKS.—Laanecoore Weir, on the Loddon; Bridgewater Weir, on the Loddon; Kinypaniel Weir, on the Loddon

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 Kooen; System of main distributary channels about 85 miles in length

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

LOAN CAPITAL ACCOUNTS—continued.

D.—IRRIGATION DISTRICTS

Name of District.	Loans Capital Liability.			Allotted to District.	Capital Expenditure borne by the State Account.						Totals as at 30th June, 1964.
	Headworks.		Total.		Headworks.		Distributory Works.		Total.		
	£	s. d.			£	s. d.	£	s. d.		£	
Bacchus Marsh	509,836	8 4	681,388 15 6	188,575 0 0	321,261 8 4	171,552 7 2	492,813 15 6	£	s. d.	Brought forward 19,431,998 19 2	
Campaspe	5,001 1 9	205,157 9 4	205,157 9 4	..	5,001 1 9	200,156 7 7	205,157 9 4				
Goulburn-Murray	44,992,106 19 9	60,482,741 18 8	60,482,741 18 8	..	44,992,106 19 9	15,490,634 18 11	60,482,741 18 8				
Macalister	1,677,737 3 7	6,386,030 8 6	6,386,030 8 6	..	1,677,737 3 7	4,708,293 4 11	6,386,030 8 6				
Merbein	195,760 0 0	615,283 0 11	615,283 0 11	..	195,760 0 0	419,523 0 11	615,283 0 11				
Nyah	74,857 0 0	321,817 12 9	321,817 12 9	..	74,857 0 0	246,960 12 9	321,817 12 9				
Red Cliffs	283,152 0 0	1,336,122 5 6	1,336,122 5 6	..	283,152 0 0	1,052,970 5 6	1,336,122 5 6				
Robinvale	26,750 13 7	1,438,836 16 8	1,438,836 16 8	..	26,750 13 7	1,438,836 16 8	1,438,836 16 8				
Tresco	191,969 3 2	211,182 2 7	211,182 2 7	..	191,969 3 2	184,431 9 0	211,182 2 7				
Werribee	47,957,170 10 2	436,379 12 5	436,379 12 5	..	47,957,170 10 2	244,410 9 3	436,379 12 5				
Totals	..	72,114,940 2 10	72,114,940 2 10	188,575 0 0	47,768,595 10 2	24,157,769 12 8	71,926,365 2 10	72,114,940	2 10		

E.—WATERWORKS DISTRICTS

Axe Creek	5,103	15 9	5,103 15 9	..	5,103 15 9	5,103	5,103	15 9	5,103	15 9	5,103 15 9		
Bellarine Peninsula	64,944	4 6	64,944 4 6	..	64,944 4 6	64,944	64,944	4 6	64,944	4 6	64,944 4 6		
East Loddon	15,500	13 3	15,500 13 3	..	15,500 13 3	15,500	15,500	13 3	15,500	13 3	15,500 13 3		
Harcourt	17,789	19 3	17,789 19 3	..	17,789 19 3	17,789	17,789	19 3	17,789	19 3	17,789 19 3		
Kerang North-West Lakes	923	10 0	7,056 7 0	..	923 10 0	7,056	7,056	7 0	7,056	7 0	7,056 7 0		
Mallee	1,116,366	4 5	1,882,357 16 1	..	1,116,366 4 5	765,991	765,991	11 8	765,991	11 8	1,882,357 16 1		
Millewa	141,148	0 0	742,135 19 10	..	141,148 0 0	600,987	600,987	19 10	600,987	19 10	742,135 19 10		
Mornington Peninsula	741,451	7 0	775,759 10 11	..	741,451 7 0	34,308	34,308	3 11	33,585	14 9	258,722 12 6		
Normanville	4,351	15 3	62,913 2 8	..	4,351 15 3	58,561	58,561	7 5	58,561	7 5	62,913 2 8		
Northern Mallee	1,519,862	12 6	2,302,374 3 7	..	1,519,862 12 6	782,511	782,511	11 1	782,511	11 1	2,302,374 3 7		
Otway	591,987	7 1	622,494 8 7	..	591,987 7 1	30,507	30,507	1 6	7,900	6 10	337,303 0 8		
Tyntynder North	110,947	5 10	239,841 10 3	..	110,947 5 10	128,894	128,894	4 5	128,894	4 5	239,841 10 3		
Upper Wimmera	453,848	16 8	842,198 11 1	..	453,848 16 8	388,349	388,349	14 5	388,349	14 5	842,198 11 1		
Werribee	7,360	3 4	12,888 1 7	..	7,360 3 4	12,888	12,888	1 7	12,888	1 7	12,888 1 7		
West Loddon	1,318,160	12 5	20,875 2 1	..	1,318,160 12 5	13,514	13,514	18 9	13,514	18 9	20,875 2 1		
Wimmera	6,067,632	10 4	2,054,585 9 6	..	6,067,632 10 4	736,424	736,424	17 1	736,424	17 1	2,054,585 9 6		
Totals			9,673,083 1 1	802,228 6 4	5,288,733 7 10	3,605,450	3,605,450	10 9	3,582,121	6 11	8,870,854 14 9	9,673,083	1 1

LOAN CAPITAL ACCOUNTS—*continued.*F.—URBAN DISTRICTS—*continued.*

Name of District.	Loans Capital Liability.			Allotted to District.	Capital Expenditure borne by the State Account.						Totals as at 30th June, 1964.
	Headworks.		Total.		Headworks.		Distributory Works.		Total.		
	£	s. d.			£	s. d.	£	s. d.			
Nandaly	..	2,667 17 6	2,667 17 6	3 4 0	2,664 13 6	2,664 13 6	£	s. d.	Brought forward
Nar Nar Goon-Tynong	..	60,720 5 9	85,983 6 4	19,975 0 0	25,263 0 7	40,745 5 9	66,008 6 4	66,008 6 4	£	s. d.	
Narre Warren	..	36,445 13 0	36,445 13 0	..	..	36,445 13 0	36,445 13 0	36,445 13 0	£	s. d.
Natimuk	..	7,138 11 5	7,138 11 5	5,286 13 10	..	1,851 17 7	18,642 13 4	18,642 13 4	£	s. d.	
Newstead	..	20,406 7 2	20,406 7 2	1,763 13 10	..	18,642 13 4	50,489 10 8	50,489 10 8	£	s. d.	
Noorat-Glenormiston	..	50,489 10 8	50,489 10 8	265 15 8	..	3,858 14 6	3,858 14 6	3,858 14 6	£	s. d.	
Nullawil	..	4,124 10 2	4,124 10 2	..	..	3,623 17 5	3,623 17 5	3,623 17 5	£	s. d.
Nyah	..	3,623 17 5	3,623 17 5	..	..	2,263 16 8	2,263 16 8	2,263 16 8	£	s. d.
Nyah West	..	11,270 10 11	11,270 10 11	9,006 14 3	14,258 16 9	3,629 13 11	17,888 10 8	17,888 10 8	£	s. d.	
Officer	..	26,869 16 5	41,128 13 2	23,240 2 6	..	36,365 3 5	36,365 3 5	36,365 3 5	£	s. d.	
Ouyen	..	61,175 10 9	61,175 10 9	24,810 7 4	48,648 18 4	3,355 0 5	52,003 18 9	52,003 18 9	£	s. d.	
Pakenham	..	66,192 0 9	141,588 4 6	89,584 5 9	..	4,866 10 4	4,866 10 4	4,866 10 4	£	s. d.	
Patchewollock	..	4,868 2 3	4,868 2 3	1 11 11	..	10,161 6 0	10,161 6 0	10,161 6 0	£	s. d.	
Piargil	..	10,161 6 0	10,161 6 0	..	..	7,286 1 10	7,286 1 10	7,286 1 10	£	s. d.
Pimpino	..	7,286 1 10	7,286 1 10	..	..	1,942 10 1	2,377 18 2	2,377 18 2	£	s. d.
Portarlington	..	20,188 16 8	90,333 11 9	87,955 13 7	435 8 1	1,071 0 1	1,071 0 1	1,071 0 1	£	s. d.	
Pyramid Hill	..	13,355 0 6	13,355 0 6	12,284 0 5	..	1,015 8 6	1,015 8 6	1,015 8 6	£	s. d.	
Queenscliff	..	9,708 14 10	9,708 14 10	8,693 6 4	..	50,992 5 11	84,229 1 5	84,229 1 5	£	s. d.	
Queenscliff-Point Lonsdale	..	128,906 16 6	243,093 10 7	158,864 9 2	33,236 15 6	6,007 6 8	6,007 6 8	6,007 6 8	£	s. d.	
Rainbow	..	30,940 18 8	30,940 18 8	24,933 12 0	..	365 15 8	365 15 8	365 15 8	£	s. d.	
Red Cliffs	..	87,183 13 0	87,183 13 0	86,817 17 4	..	486 17 11	486 17 11	486 17 11	£	s. d.	
Robinvale	..	33,989 11 3	33,989 11 3	16,429 4 5	..	319 4 3	319 4 3	319 4 3	£	s. d.	
Rupanyup	..	16,748 8 8	16,748 8 8	16,429 4 5	..	10,727 9 2	10,727 9 2	10,727 9 2	£	s. d.	
Sea Lake	..	51,765 1 10	51,765 1 10	41,037 12 8	..	3,861 16 8	3,861 16 8	3,861 16 8	£	s. d.	
Speed	..	3,862 14 5	3,862 14 5	15,557 12 7	..	1,843 5 3	1,843 5 3	1,843 5 3	£	s. d.	
Stanhope	..	17,400 17 10	17,400 17 10	15,557 12 7	..	108 7 7	108 7 7	108 7 7	£	s. d.	
Tallygaroopna	..	4,146 12 4	4,146 12 4	4,038 4 9	..	2,753 18 10	2,753 18 10	2,753 18 10	£	s. d.	
Tempy	..	2,771 1 5	2,771 1 5	17 2 7	..	3,508 15 9	30,726 18 5	30,726 18 5	£	s. d.	
Terang	..	36,781 12 4	89,526 10 1	58,799 11 8	27,218 2 8	4,625 9 7	4,625 9 7	4,625 9 7	£	s. d.	
Torquay	..	44,472 18 6	67,782 14 9	63,157 5 0	276 6 2	16,668 2 9	16,668 2 9	16,668 2 9	£	s. d.	
Ultima	..	16,684 12 7	16,684 12 7	16 9 10	..	2,523 4 4	2,523 4 4	2,523 4 4	£	s. d.	
Waitechie	..	2,523 4 4	2,523 4 4	..	..	4,063 11 6	4,063 11 6	4,063 11 6	£	s. d.
Walpeup	..	4,086 13 5	4,086 13 5	23 1 11	..	5,400 15 7	5,400 15 7	5,400 15 7	£	s. d.	
Watchem	..	5,518 2 2	5,518 2 2	117 6 7	..	10,106 12 0	10,106 12 0	10,106 12 0	£	s. d.	
Werrimull	..	10,108 3 1	10,108 3 1	1 11 1	..	53,819 7 6	150,431 18 10	150,431 18 10	£	s. d.	
Westernport	..	138,969 6 1	354,180 0 1	203,748 1 3	96,612 11 4	20,242 12 7	20,242 12 7	20,242 12 7	£	s. d.	
Wonthaggi	..	124,306 14 4	124,306 14 4	104,064 1 9	..	2,102 15 11	2,102 15 11	2,102 15 11	£	s. d.	
Woomelang	..	11,344 15 5	11,344 15 5	9,241 19 6	..	10,178 5 11	10,178 5 11	10,178 5 11	£	s. d.	
Woorinen	..	10,739 3 1	10,739 3 1	560 17 2	..	2,041 4 2	2,041 4 2	2,041 4 2	£	s. d.	
Wycheproof	..	35,274 18 11	35,274 18 11	33,233 14 9	..	2,346 12 0	2,346 12 0	2,346 12 0	£	s. d.	
Yaapeet	..	2,350 6 4	2,350 6 4	3 14 4	..	..	..	..	£	s. d.
Totals	..	5,822,852 6 6	10,569,950 18 5	8,380,470 15 9	2,708,672 14 7	5,303,659 14 7	8,012,332 9 2	16,392,803 4 11	£	s. d.	

Brought forward

7,321,286

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LOAN CAPITAL ACCOUNTS—*continued.*

G.—FLOOD PROTECTION DISTRICTS

Kanyapella	3,893 11 0	3,893 11 0	..	3,893 11 0	3,893 11 0
Koo-Wee-Rup ..	..	910,354 14 9	910,354 14 9	..	910,354 14 9	910,354 14 9
Loch Garry ..	..	20,406 12 9	20,406 12 9	..	20,406 12 9	20,406 12 9
Totals	..	934,654 18 6	934,654 18 6	..	934,654 18 6	934,654 18 6

H.—DRAINAGE DISTRICT

Carrum ..	..	706,185 18 4	706,185 18 4	198,097 4 4	508,088 14 0	508,088 14 0
Totals	..	706,185 18 4	706,185 18 4	198,097 4 4	508,088 14 0	508,088 14 0
Totals, Commission Districts (Statements D, E, F, G, and H)	59,847,655 7 0	39,974,011 18 8	99,821,667 5 8	9,569,371 6 5	34,486,294 6 8	90,252,295 19 3

Carried forward 119,253,666 4 10

LOAN CAPITAL ACCOUNTS—continued.

Totals as at 30th June, 1964.				Totals as at 30th June, 1964.			
				£	s.	d.	
Brought forward				119,253,666	4	10	
WORKS UNDER GENERAL SUPERVISION OF COMMISSION.							
I.—WATERWORKS TRUSTS AND LOCAL GOVERNING BODIES							
Waterworks Trusts, First Mildura Irrigation, and Local Loan Liability	£	s.	d.	£	s.	d.	
Amounts Written Off and Free Grants to Local Authorities as at 30th June, 1963. (For details see Annual Report for year 1962/63)	5,836,450	16	5	12,866,219	1	11	
Under Act 1962 No. 6934, Amounts transferred to State Account £184,513 15s. 0d.; Grants to Local Authorities £1,502 18s. 7d.	186,016	13	7				
Under Act 1963 No. 7056, Amounts transferred to State Account £135,608 19s. 0d.; Grants to Local Authorities £450 12s. 5d.	136,059	11	5				
Less Repayments to State Loans Repayments Fund	6,158,527	1	5	6,158,485	11	5	
	41	10	0	19,024,704	13	4	
J.—RIVER IMPROVEMENT TRUSTS							
River Improvement Trusts and other Public Authorities pursuant to Part IV. of the <i>River Improvement Act 1948</i>	£	s.	d.	£	s.	d.	
Amounts Borne by the State Account as at 30th June, 1963	1,365,052	1	1	207,931	8	11	
Under Act 1962 No. 6934, Amounts transferred to State Account	115,850	13	10				
Under Act 1963 No. 7056, Amounts transferred to State Account	162,989	6	6	1,643,892	1	5	
				1,851,823	10	4	
K.—LATROBE VALLEY							
Works of Water Supply	£	s.	d.	£	s.	d.	
Amounts Borne by the State Account as at 30th June, 1963	54,486	12	10	5,213,267	1	1	
Under Act 1962 No. 6934, Amounts transferred to State Account	20,086	8	5				
Under Act 1963 No. 7056, Amounts transferred to State Account	..	..	..	74,573	1	3	
GRAND TOTAL NET LOAN LIABILITY (EXCLUSIVE OF EQUITY IN NATIONAL DEBT SINKING FUND)	..	..	..	145,418,034	10	10	

LOAN CAPITAL ACCOUNTS—continued.

SUMMARY STATEMENT OF LOAN CAPITAL ACCOUNTS AS AT 30th JUNE 1964

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	10,913,125 13 5	..	..	10,913,125 13 5	1,219,472 9 2	9,693,653 4 3	1,628,287 7 10	8,065,365 16 5
B.	State Works of Water Supply	1,284,329 2 4	..	..	1,284,329 2 4	3,877 16 9	1,280,451 5 7	..	1,280,451 5 7
C.	Headworks Costs not yet apportioned ..	..	8,557,397 4 7	..	8,557,397 4 7	99,502 15 3	8,457,894 9 4	..	8,457,894 9 4
D.	Irrigation and Water Supply Districts ..	..	50,155,204 4 10	24,589,985 13 3	74,745,189 18 1	2,630,249 15 3	72,114,940 2 10	188,575 0 0	71,926,365 2 10
E.	Waterworks Districts ..	..	6,145,255 10 11	3,669,677 5 2	9,814,932 16 1	141,849 15 0	9,673,083 1 1	802,228 6 4	8,870,854 14 9
F.	Urban Districts ..	..	5,888,534 19 6	11,252,226 10 5	17,140,761 9 11	747,958 5 0	16,392,803 4 11	8,380,470 15 9	8,012,332 9 2
G.	Flood Protection Districts ..	..	..	945,337 6 2	945,337 6 2	10,682 7 8	934,654 18 6	198,097 4 4	934,654 18 6
H.	Drainage District ..	..	..	710,079 1 0	710,079 1 0	3,893 2 8	706,185 18 4	..	508,088 14 0
I.	Total Works under control of Commission ..	12,197,454 15 9	70,746,391 19 10	41,167,305 16 0	124,111,152 11 7	4,857,486 6 9	119,253,666 4 10	11,197,658 14 3	108,056,007 10 7
J.	Waterworks Trusts and Local Governing Bodies ..	..	..	..	20,697,320 3 5	1,672,615 10 1	19,024,704 13 4	12,866,219 1 11	6,158,485 11 5
K.	River Improvement Trusts ..	..	..	..	1,856,463 6 1	4,639 15 9	1,851,823 10 4	207,931 8 11	1,643,892 1 5
	Latrobe Valley ..	..	..	..	5,436,929 17 7	149,089 15 3	5,287,840 2 4	5,213,267 1 1	74,573 1 3
		..	..	..	152,101,865 18 8	6,683,831 7 10	145,418,034 10 10	29,485,076 6 2	115,932,958 4 8

RECONCILIATION STATEMENT

COUNTRY WATER SUPPLY AND STATE DEVELOPMENT ACCOUNTS IN THE BOOKS OF THE TREASURY WITH THE CAPITAL ACCOUNTS IN THE BOOKS OF THE COMMISSION AS AT 30TH JUNE, 1964.

		Total.	Water Supply.	State Development Account.
		£ s. d.	£ s. d.	£ s. d.
Net Loan Liability as per Treasurer's Finance Statement (page 95)	..	131,937,363 3 6	27,777,214 2 0	104,160,149 1 6
Add—				
Cost of Geelong Works "Finance" (page 96)	..	114,454 14 5	..	114,454 14 5
National Debt Sinking Fund contributions from Consolidated Revenue pursuant to the provisions of the <i>Commonwealth and State Financial Agreement Act</i> 1927, No. 3554, as amended by Act No. 5051, 1944 "Finance" (page 95). (These amounts not credited to Districts and Works excepting recoup contributions shown below)	..	14,650,568 14 5	3,042,855 14 11	11,607,712 19 6
National Debt Sinking Fund contributions in respect of Geelong Works "Finance" (page 96)	..	50,641 9 3	..	50,641 9 3
Less—				
Redemption recoup contributions paid into Consolidated Revenue by Commission Districts and Works, Waterworks Trusts, &c.	..	146,753,028 1 7	30,820,069 16 11	115,932,958 4 8
		1,334,993 10 9	1,334,993 10 9	..
Totals of Amounts at Debit of Authorities and Districts and the Capital Expenditure Borne by the State Account in the books of the Commission	..	145,418,034 10 10	29,485,076 6 2	115,932,958 4 8

CONTRACTS

STATEMENT OF CONTRACTS ENTERED INTO DURING THE YEAR ENDED
30TH JUNE, 1964.

No.	Contractor.	Nature of Contract.	Amount.	
			£	s.
3654	D. M. Brown	Construction of subways, Goulburn Channel	6,144	12
3655	T. W. Maw and Sons Pty. Ltd. ..	Excavation for storage tanks, Parkes-street, McCrae	3,355	0
3657	Kerr's Quarries Pty. Ltd.	Crushing, &c., filter zone material, Lake Bellfield	112,750	0
3658	Bellfield Drilling Pty. Ltd.	Drilling of blast and grout holes, Lake Bellfield	123,356	0
3659	Fleet Forge Pty. Ltd.	Supply, &c., welded steel tank at Tyabb	6,074	0
3660	Thompsons (Castlemaine) Ltd. ..	Supply, &c., two pumps at Devilbend	10,350	0
3661	Thompsons (Castlemaine) Ltd. ..	Supply, &c., four pumps at Swan Hill	20,342	0
3662	M. Diedrich	Erection of standard S.N.2E residence, Boort	5,010	0
3663	Warde and Atkins	Erection of standard S.N.2E residence, Tongala	4,095	0
3664	Warde and Atkins	Erection of standard S.N.2E residence, Tatura	4,095	0
3665	Welded Pipelines Pty. Ltd.	Welding of C.L.M.S. pipes, Rye-Sorrento pipeline	2,204	0
3666	Wm. McCormack	Welding, cutting, &c., part Eppalock-Bendigo pipeline ..	3,025	0
3667	Roche Bros. Pty. Ltd.	Excavation delivery earthfill to Devilbend	17,531	0
3668	Warrnambool Drainage Co.	Excavation, laying, &c., Otway supplementary pipeline ..	6,887	0
3669	A. Arnolds Fences Pty. Ltd.	Supply, &c., fencing Mt. Eliza service basin	1,574	0
3670	The Fleet Forge Pty. Ltd.	Supply, &c., welded steel tank, McCrae	3,859	0
3671	R. Lowgnan and D. Morey	Erection standard S.N.2E residence, Yarrowonga	4,671	0
3672	Albert Matthew Byrne	Cleaning administrative offices, Frankston	650	0
3673	J. Otter Fencing Pty. Ltd.	Erection fencing Rosebud and McRae service basin	1,475	0
3674	G. J. Ensink and Associates	Erection of standard S.N.2E residence, Berwick	3,975	0
3675	K. P. Bowie	Erection of standard S.N.2E residence, Maffra	4,570	0
3676	Colin C. Brown	Stripping, &c., borrow pits, Lake Bellfield	83,250	0
3677	E. G. Wilkinson	Erection standard S.N.2E residence, Shepparton	4,575	0
3678	C. R. Ballinger	Erection standard S.N.2E residence, Lubeck East	4,760	0
3679	Roche Bros. Pty. Ltd.	Excavation storage reservoir, Queenscliff	64,076	0
3680	Warrnambool Drainage Co.	Excavation, &c., Terang-Noorat, Glenormiston pipeline ..	8,230	0
3681	Cakebread Construction Co. Pty. Ltd.	Earthworks for construction of Western Catch Drain and fencing Devilbend 7,000'-23,800'	11,152	0
3682	Cakebread Construction Co. Pty. Ltd.	Construction Western Catch Drain RD100-6,100 Devilbend ..	5,844	0
3683	Utility Cleaning Co. Pty. Ltd. ..	Cleaning administrative offices, 90 Orrong-road, Armadale ..	12,360	0
3684	Thompsons (Castlemaine) Ltd. ..	Manufacture five pumps Nyah pumping station	10,232	0
3685	Victorian Quarries Ltd.	Supply, &c., rip-rap Devilbend	11,797	0
3686	M. Diedrich	Erection of timber residence, Cohuna	6,184	0
3687	K. D. and M. F. Mackay	Erection of kitchen and mess, Buffalo Reservoir	5,998	0
3688	M. Diedrich	Alterations, &c., district office, Shepparton	12,930	0
3689	Diamond Fence and Gate Co. Pty. Ltd.	Supply, &c., fencing storages, Bellarine Peninsula	3,700	0
3690	W. A. Molan and Sons	Excavation storage site and steel tank at Noorat	1,091	0
3691	Denham Constructions Pty. Ltd. ..	Laying, &c., drainage pipes Mt. Eliza service basin	958	0
3692	Wal Henning Earthworks	Enlargement earthen storage Walpeup	2,035	0
3693	Wal Henning Earthworks	Construction earthen storage Rupanyup No. 4	3,437	0
3694	Wal Henning Earthworks	Construction earthen storage Charlton No. 2.. ..	6,995	0
3695	Cakebread Constructions Co. Pty. Ltd.	Excavations for storage site for steel tanks at Safety Beach ..	3,677	0
3696	C. R. Ballinger and Sons	Erection of standard S.N.2E residence, Pine Lake Reservoir ..	4,995	0
3697	A. Moore	Construction pump house Devilbend	3,405	0
3698	Welded Pipelines Pty. Ltd.	Welding, &c., Naval Base and Bittern supply main	1,524	0
3699	Ready Mixed Concrete Vic. Pty. Ltd.	Supply to sites, 4,000 cubic yds. ready mixed concrete, Rochester-Deakin	38,280	0
3700	H. T. Boyer	Construction of earthen storage at Pimpinio	1,916	0
3701	A. D. Hillgrove Constructions Pty. Ltd.	Construction of earthen storage at Ultima	3,084	0
3702	Wal Henning Earthworks	Enlargement earthen storage at Marnoo	1,754	0

ESTIMATES 1964-65
PROPOSED DISBURSEMENTS.

	Estimated Requirements	Amount Provided in Budget
	£	£
Salaries and Payments in the nature of Salary*	2,264,183	2,307,921
General Expenses	590,000	539,350
Coliban Works	88,500	83,000
Irrigation Districts	980,000	938,000
Waterworks Districts	550,000	448,000
Flood Protection and Carrum Drainage Districts	46,000	40,000
Removal of Sand Drift	75,000	63,000
River Murray Works—Contribution by State	131,000	100,000
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	24,000	24,000
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 and Local Governing Bodies to limit the minimum Water Rate to 3s. 6d. in the pound N.A.V.	5,000	5,000
Water Supply Research Trust Account	148	148
Total—Water Supply	4,754,431	4,549,019
Subsidies to Sewerage Authorities in cases where the interest paid on Capital Liability is in excess of the rate of 3 per cent.	400,000	400,000
Grand Total	5,154,431	4,949,019

* To be apportioned over the Districts and works.

ESTIMATED RECEIPTS.

	£
Coliban Works	230,000
Irrigation Districts	1,900,000
Waterworks Districts	470,000
Urban Districts	725,000
Flood Protection and Carrum Drainage Districts	70,000
Sewerage Districts	7,000
Other—Miscellaneous	148,000
Recoup on account of amount paid from Revenue in connexion with River Murray Commission, Loan Works, etc.	1,250,000
Sub—Total	4,800,000
Add Estimated Receipts to meet Interest and Redemption—	£
Waterworks Trusts and Other Corporations	511,000
Plant and Machinery and Land	56,000
	567,000
Totals—Water Supply	5,367,000

Estimated amount available from Revenue of Commission's

“Paying” Districts to meet Interest £230,000

APPENDIX A. WATER DELIVERED FOR IRRIGATION, 1963-64.

Name of District, Area, etc.	Gross Supply at District Offtakes (excluding volumes passed to other Districts)	Total Water Rights Allotted to District	Users in District			Total Delivered in District	Users Outside District from District Channels	Total Delivered	Users Outside District from Main Channels
			Under Water Rights	Sales of Water	Domestic and Stock Purposes				
	ac. ft.	ac. ft.	ac. ft.	ac. ft.	ac. ft.	ac. ft.	ac. ft.	ac. ft.	ac. ft.
GOULBURN—MURRAY									
Goulburn System—									
<i>(Eastern)</i>									
South Shepparton	16,476	15,115	9,930	2,243	314	12,487	..	12,487	..
Shepparton	(f) 39,280	26,597	23,505	4,789	745	29,039	294	29,333	..
North Shepparton	(c) 81,455	48,581	35,487	16,426	983	52,896	..	52,896	46
Katandra	23,410	11,996	11,506	5,704	545	17,755	..	17,755	..
Total	160,621	102,289	80,428	29,162	2,587	112,177	294	112,471	46
<i>(Western)</i>									
Rodney	285,592	141,492	129,375	50,221	(b) 7,402	186,998	(a) 1,633	188,631	..
Tongala-Stanhope	172,368	63,310	62,386	31,933	3,335	97,654	1,641	99,295	..
Deakin	23,751	14,402	10,676	6,433	709	17,818	..	17,818	..
Rochester	170,355	67,837	64,288	48,367	4,503	117,158	904	118,062	..
Dingee	11,585	4,962	4,887	3,657	305	8,849	..	8,849	..
Calivil	38,198	17,139	15,846	9,304	888	26,038	..	26,038	953
Tragowel Plains	121,970	58,173	53,403	20,341	2,366	76,110	..	76,110	..
Boort	57,986	29,303	28,047	9,636	1,177	38,660	392	39,252	..
East Loddon	4,408	..	..	1,095	660	1,755	..	1,755	..
West Loddon	6,284	..	..	4,887	550	5,437	..	5,437	..
Totals	892,497	396,618	368,908	185,874	21,895	576,677	4,570	581,247	953
GOULBURN GRAND TOTALS									
	1,053,118	498,907	449,336	(g) 215,036	24,482	688,854	4,864	693,718	999
Murray System—									
<i>(Yarrowonga Weir)</i>									
Murray Valley	(d) 285,746	135,882	118,842	(h) 53,903	5,818	178,563	21	178,584	..
<i>(Torrumbarry Weir)</i>									
Cohuna	139,703	51,743	50,301	39,477	2,847	92,625	36	92,661	..
Koondrook	78,385	28,554	27,108	13,338	1,342	41,788	142	41,930	..
Kerang	61,766	27,629	26,420	16,797	1,303	44,520	368	44,888	..
Third Lake	8,649	3,019	2,721	1,093	132	3,946	55	4,001	..
Mystic Park	10,530	4,013	3,674	2,230	210	6,114	..	6,114	..
Fish Point	4,433	1,906	1,633	680	135	2,448	..	2,448	..
Swan Hill	58,848	28,343	25,800	8,940	1,750	36,490	127	36,617	..
Pental Island Private Diversions .. ..	..	..	..	..	..	..	..	..	3,796
Kerang Private Diversions .. ..	..	..	..	..	..	..	..	..	1,304
Kerang N. W. Lakes Private Diversions .. ..	..	..	..	..	..	..	..	..	3,088
Upper Gunbower Ck. Private Diversions .. ..	..	..	..	..	..	..	..	..	7,039
Lower Gunbower Ck. Private Diversions .. ..	..	..	..	..	..	..	..	..	9,780
Taylor's Creek Private Diversions .. ..	..	..	..	..	..	..	..	..	1,562
Kow Swamp Private Diversions .. ..	..	..	..	..	..	..	..	..	2,930
Pyramid Creek Private Diversions .. ..	..	..	..	..	..	..	..	..	4,174
TRESCO*	6,584	3,676	2,967	173	38	3,178	..	3,178	..
Torrumbarry Weir Total	368,898	148,883	140,624	(i) 82,728	7,757	231,109	728	231,837	33,673
<i>(Pumped from Murray River)</i>									
NYAH	9,456	7,125	6,222	407	97	6,726	(b) 52	6,778	..
ROBINVALE	15,850	14,149	12,730	(j) 1,430	..	14,160	..	14,160	..
RED CLIFFS	38,808	34,644	32,748	1,250	..	33,998	249	34,247	..
MERBEIN	32,980	24,085	23,945	1,475	276	25,696	1,673	27,369	..
Totals	97,094	80,003	75,645	4,562	373	80,580	1,974	82,554	..
FIRST MILDURA TRUST									
MURRAY GRAND TOTALS	52,369	47,748	35,463	14,025	180	49,668	83	49,751	..
	804,107	412,516	370,574	155,218	14,128	539,920	2,806	542,726	33,673
Campaspe System—									
COLIBAN	34,134	..	..	(e) 11,938	(b) 175	12,113	..	12,113	..
CAMPASPE	3,950	..	..	1,409	138	1,547	2	1,549	..
Totals	38,084	..	..	13,347	313	13,660	2	13,662	..
Werribee System—									
BACCHUS MARSH	9,130	3,297	3,183	2,664	..	5,847	(b) 656	6,503	..
WERRIBEE	13,906	8,080	7,518	1,715	..	9,233	(b) 164	9,397	..
Totals	23,036	11,377	10,701	4,379	..	15,080	820	15,900	..
Macalister System—									
MACALISTER	143,503	67,974	60,804	20,238	3,916	84,958	(b) 897	85,855	..
Wimmera System—									
QUANTONG, RIVERSIDE, BURNLEA, HAVEN, etc.	20,183	..	..	14,335	..	14,335	..	14,335	..
PRIVATE DIVERSIONS (NOT INCLUDED ABOVE) .. ..	..	..	..	..	..	..	..	..	300,600
GRAND TOTALS	2,082,031	990,774	891,415	422,553	42,839	1,356,807	9,389	1,366,196	335,272
GRAND TOTAL								1,701,468	

(a) Includes Waterworks Trust

(b) Includes Urban Districts

(c) Includes 1,037 acre feet outfall to Broken Creek

and 2,738 feet outfall to Nine Mile Creek

(d) Includes 8,351 acre feet outfall to Broken Creek

(e) Includes 215 acre feet for mining

(f) Includes 1,092 acre feet outfall to Broken River

(g) Includes 78,042 acre feet supplementary sales

(h) Includes 27,519 acre feet supplementary sales

(i) Includes 37,826 acre feet supplementary sales

(j) Includes 776 acre feet special sales

* TRESCO: Irrigation District with separate assignment, supplied from Torrumbarry.

WATER ASSIGNMENT TO DISTRICTS

District	Acre feet	District	Acre feet
GOULBURN MURRAY	2,750,000	FIRST MILDURA TRUST	75,000
TRESCO	8,000	CAMPASPE	3,000
NYAH	12,000	BACCHUS MARSH	5,000
ROBINVALE	21,000	WERRIBEE	12,000
RED CLIFFS	56,000	MACALISTER	241,000
MERBEIN	40,000		

APPENDIX B.

LANDS UNDER IRRIGATED CULTURE, 1963-64.

Name of District, Area, etc.	Total Area of Holdings in Irrigation Districts in Acres	Area classified as Irrigable within Constituted Districts in Acres	Water Rights Appointed includ- ing Extra Water Rights (Acre Feet)	Area Irrigated, including Lands adjoining a District, in Acres										
				Total	Cereals	Lucerne Grown for Pasture and Hay	Sorghum and other Annual Fodder Crops	Pastures			Vineyards	Orchards	Market Gardens	Fallow and Miscellaneous
								Native	Annual	Peren- nial				
GOULBURN—CAMPASPE —LODDON SYSTEM														
Katandra	15,487	12,796	11,996	9,086	..	104	107	..	1,881	6,994	..	..	..	..
North Shepparton ..	141,714	91,108	48,581	47,118	47	1,888	586	510	25,117	16,183	12	2,580	84	111
Shepparton	25,087	23,088	26,597	20,507	225	101	55	431	3,934	4,704	232	9,747	448	630
South Shepparton ..	41,913	28,284	15,115	11,091	..	436	442	70	6,232	3,414	10	365	122	..
Rodney	273,794	212,859	141,492	122,181	133	7,234	1,827	244	54,668	46,388	150	9,379	2,085	73
Tongala-Stanhope ..	76,059	66,734	63,310	55,136	151	320	137	517	16,674	36,175	5	1,092	65	..
Deakin	158,757	36,021	14,402	15,074	..	453	169	440	8,620	5,344	..	38	10	..
Rochester	184,073	130,690	67,837	75,785	293	2,469	959	836	33,008	37,537	..	508	137	38
Dingee	8,889	6,952	4,962	4,868	..	..	..	..	1,213	3,655	..	..	..	..
Calivil	61,140	47,029	17,139	18,142	410	780	958	735	9,178	6,025	..	..	10	46
Tragowel Plains ..	218,210	168,095	58,173	71,242	4,459	562	5,181	12,007	40,207	8,784	..	2	..	40
Boort	97,607	63,424	29,303	40,799	2,662	3,586	1,447	1,426	23,938	4,287	..	10	..	3,443
Campaspe (Area) ..	26,635	..	..	1,319	..	506	29	..	111	552	..	6	115	..
Campaspe (District) ..	19,735	..	..	939	12	400	40	..	75	238	..	..	35	12
East Loddon .. .. .	..	..	..	1,849	..	239	6	25	1,436	143	..	..	..	..
West Loddon .. .. .	..	..	..	5,666	470	1,503	42	180	572	405	..	..	4	2,490
Totals	1,349,100	887,080	498,907	500,802	8,862	20,581	11,985	17,496	227,027	180,717	409	23,727	3,115	6,883
RIVER MURRAY SYSTEM														
Torrumbarry Weir														
Cohuna	88,904	69,626	51,743	71,762	209	445	464	9,517	20,973	39,759	..	..	..	395
Koondrook	88,169	67,956	28,554	49,872	879	376	1,129	860	37,994	7,432	2	552	8	640
Swan Hill	37,275	25,349	28,343	24,109	6	723	18	209	3,952	13,815	3,015	633	671	1,067
Third Lake	11,677	8,364	3,019	5,190	157	321	80	..	4,267	362	..	3	..	..
Mystic Park	20,438	10,262	4,013	6,095	729	632	10	213	3,791	377	12	13	17	301
Tresco	4,652	1,748	3,676	1,536	..	4	..	..	36	1	1,259	227	9	..
Fish Point	18,363	4,426	1,906	3,250	46	70	66	196	2,524	348	..	..	..	..
Kerang	90,387	71,799	27,629	51,384	1,841	543	2,653	4,833	30,291	10,334	..	..	..	889
Kerang North-West Lakes .. .. .	..	..	..	10,049	160	309	83	785	7,656	844	51	145	16	..
Private Diversions ..	..	..	..	28,121	921	897	371	177	15,867	9,091	..	118	9	670
Totals	359,865	259,530	148,883	251,368	4,948	4,320	4,874	16,790	127,351	82,363	4,339	1,691	730	3,962
Yarrawonga Weir														
Murray Valley ..	302,041	207,120	135,882	111,885	200	6,841	1,053	908	59,898	36,502	42	5,814	287	340
Direct from River by Pumping														
Nyah	3,833	2,601	7,125	3,856	10	8	..	252	58	260	1,984	187	107	990
Red Cliffs	13,612	11,310	34,644	11,705	..	40	..	25	..	60	10,840	695	45	..
Merbein	9,233	7,705	24,085	8,426	..	107	16	25	91	132	7,147	889	19	..
Robinvale	9,086	5,629	14,149	4,916	..	..	..	..	..	..	4,235	681	..	..
Totals	35,764	27,245	80,003	28,903	10	155	16	302	149	452	24,206	2,452	171	990
First Mildura Trust ..	45,000	15,811	47,166	14,684	..	392	120	..	..	..	12,770	921	..	481
RIVER MURRAY SYSTEM TOTALS														
	742,670	509,706	411,934	406,840	5,158	11,708	6,063	18,000	187,398	119,317	41,357	10,878	1,188	5,773
OTHER NORTHERN SYSTEMS														
Coliban .. .. .	..	11,000	..	10,299	63	385	..	651	1,299	4,616	..	2,949	336	..
Western Wimmera ..	..	6,330	..	6,047	..	618	..	..	159	4,574	..	498	121	77
Wimmera United ..	..	1,063	..	966	..	313	..	..	648	..	..	..	5	..
Totals .. .. .	..	18,393	..	17,312	63	1,316	..	651	2,106	9,190	..	3,447	462	77
SOUTHERN SYSTEMS														
Bacchus Marsh ..	6,683	3,286	3,297	3,409	..	380	..	48	..	2,079	..	374	522	6
Werribee	9,660	8,083	8,080	8,182	37	429	..	..	..	3,654	..	235	3,827	..
Maffra-Sale	76,039	46,618	40,107	36,431	62	97	301	1,602	440	33,813	..	..	8	108
Central Gippsland ..	54,560	35,885	27,867	22,707	57	275	121	1,103	257	20,894	..	..	..	..
Mornington Peninsula ..	..	..	..	1,077	..	..	..	..	..	..	..	..	910	167
Bellarine Peninsula ..	..	..	..	286	..	..	..	..	..	..	..	..	184	102
Totals	146,942	93,872	79,351	72,092	156	1,181	422	2,753	697	60,440	..	609	5,451	383
Other Private Diversions throughout the State	..	..	..	140,195	639	8,092	2,561	2,460	9,932	84,322	3,491	5,230	14,206	9,262
GRAND TOTALS 1963-64	2,238,712	1,509,051	990,192	1,137,241	14,878	42,878	21,031	41,360	427,160	453,986	45,257	43,891	24,422	22,378
GRAND TOTALS 1962-63	2,236,747	1,386,689	935,422	1,151,555	26,113	43,180	22,820	61,317	418,025	440,360	45,757	43,059	22,634	28,290

AREA IRRIGATED 1959-60 TO 1963-64.

Source of Supply								1959-60	1960-61	1961-62	1962-63	1963-64
								ac. ft.	ac. ft.	ac. ft.	ac. ft.	ac. ft.
Goulburn-Campaspe-Loddon System*	..	..	..	..	..	..	..	475,930	432,207	506,465	515,804	500,802
River Murray System	..	..	..	..	..	..	..	390,123	366,643	387,266	410,935	406,840
Other Northern Systems	..	..	..	..	..	..	..	15,830	15,691	18,148	16,794	17,312
Southern Systems	..	..	..	..	..	..	..	68,193	63,293	71,825	73,360	72,092
Private Diversions	..	..	..	..	..	..	..	102,706	108,221	134,196	134,662	140,195
Totals	..	..	..	..	..	..	..	1,052,782	986,055	1,117,900	1,151,555	1,137,241

* From 1959-60 to 1961-62 Campaspe figures were included with other Northern Systems and for 1962-63 and 1963-64 were included with Goulburn-Campaspe-Loddon System.

Districts.	Quantity.	Total.
	Acre feet.	Acre feet.
Wimmera-Mallee System—		
Rocklands Reservoir	16,386	
Wimmera River and Storages	54,517	
Loddon and Goulburn Water	4,713	75,616*
Goulburn and Loddon—		
Normanville (Loddon and Goulburn)	2,814	
West Loddon (Loddon and Goulburn)	6,284	
East Loddon (Goulburn)	4,418	13,516
River Murray—		
Millewa (Cullulleraine Pump)	5,387	
Tyntynder North (Robinvale Pump)	616	
Millewa (Yelta Area)	376	
Millewa (Carwarp Area)	1,400	7,679
Grand Total	96,811

* * * *

WATER SUPPLIED FROM HEADWORKS.

Year.	Rocklands Reservoir.	Lake Lonsdale and Fyans Lake. (Gauged at Glenorchy.)	Wimmera River (Gauged at Glenorchy.)	Taylors, Pine and Wartook Lakes. (Gauged at Outlets.)	Waranga Western Channel. (Gauged at Avoca Ryier.)	Total.	Rainfall.	
							Wartook.	Hopetoun.
	Acre feet.	Acre feet.	Acre feet.	Acre feet.	Acre feet.	Acre feet.	Inches.	Inches.
1960.. ..	18,244	319	7,831	29,203	16,010	71,607	36·87	18·72
1961.. ..	31,553	21,100	2,214	53,597	1,290	109,754	32·50	13·31
1962.. ..	30,328	4,607	3,794	43,066	..	81,795	30·60	12·27
1963.. ..	16,386	10,584	8,648	35,285	4,713	75,616	26·84	15·83

In addition to the above the following quantities have been released from Headworks at Pine Lake Green Lake and Dock Lake Storages for irrigation areas in the Western Wimmera and Wimmera United Subdivisions of the Wimmera Waterworks District.

Year.									Area Watered.	Gross Supply Released from Headworks.
									Acres.	Acre feet.
1960-61	..	..	..	..	..	..	..	..	6,915	19,625
1961-62	..	..	..	..	..	..	..	..	7,124	25,735
1962-63	..	..	..	..	..	..	..	..	7,013	20,082
1963-64	..	..	..	..	..	..	..	..	7,393	20,183

APPENDIX C—*continued.*

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

PERIODS OF ANNUAL WATERING.

District.	Year.	Commenced.	Completed.	Days.
Wimmera-Mallee	1957	24.4.57	7.3.58	318*
	1958	1.4.58	26.11.58	240
	1959	5.4.59	20.12.59	259
	1960	28.3.60	26.10.60	212
	1961	22.3.61	28.12.61	281†
	1962	5.4.62	25.10.62	204
	1963	20.3.63	18.10.63	213
Tyntynder North (formerly Coreena) .. .	1957	9.7.57	2.8.57	25
	1958	12.7.58	5.8.58	25
	1959	7.7.59	11.8.59	35
	1960	5.7.60	25.7.60	20
	1961	10.7.61	2.8.61	23
	1962	2.7.62	23.7.62	22
	1963	9.7.63	24.7.63	16
Millewa (Millewa Section)	1957	8.7.57	7.9.57	62
	1958	1.7.58	28.8.58	59
	1959	6.7.59	14.9.59	70
	1960	4.7.60	31.8.60	58
	1961	3.7.61	6.9.61	65
	1962	2.7.62	28.8.62	57
	1963	1.7.63	28.8.63	58
Millewa (Carwarp Section)	1957	29.7.57	14.8.57	17
	1958	21.7.58	8.8.58	18
	1959	3.8.59	21.8.59	19
	1960	27.7.60	13.8.60	18
	1961	30.7.61	17.8.61	18
	1962	31.7.62	17.8.62	17
	1963	5.8.63	23.8.63	19
Millewa (Yelta Section)	1957	2.9.57	28.9.57	27
	1958	9.9.58	2.10.58	25
	1959	2.9.59	18.9.59	
		20.10.59	2.11.59	21
	1960	6.9.60	17.9.60	
		27.9.60	8.10.60	22
	1961	28.8.61	1.9.61	
		5.9.61	20.9.61	21
	1962	4.9.62	21.9.62	18
	1963	10.9.63	25.9.63	16

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

† Watering delayed because of limitation in capacity in Main Western System.

APPENDIX D.

IRRIGATIONS IN DISTRICTS SUPPLIED BY PUMPING.

RED CLIFFS.

Irrigation Number.	Period.						Acre Feet Pumped.	Equivalent Average Depth per Acre.
								inches.
1 (a)	..	1st September to 19th September, 1963	..	..	..		4,717	7.4
1 (b)	..	24th September to 7th October, 1963	..	..	..		2,839	8.2
2*	{	22nd October to 26th October, 1963	..	..	..	}	6,335	6.3
		29th October to 15th November, 1963	..	..	..
3	..	26th November to 18th December, 1963	..	..	..		6,381	6.9
4	..	29th December, 1963 to 27th January, 1964	..	..	..		8,495	6.3
5 (a)	..	16th March to 25th March, 1964	..	..	..		1,842	8.5
5 (b)	..	30th March to 19th April, 1964	..	..	..		5,843	7.1
6	..	26th April to 5th May, 1964	..	..	..		1,752	5.0
		Total .. .. .	..	..	..		38,204	6.8

* Interrupted by rain.

Figures do not include special irrigations 21st to 24th February, 1964 = 604 acre feet.

MERBEIN.

Irrigation Number.	Period.						Acre Feet Pumped.	Equivalent Average Depth per Acre.
								inches.
1	..	10th September to 7th October, 1963	..	..	..		5,510	7.7
2*	{	24th October to 26th October, 1963	..	..	..	}	4,914	6.9
		30th October to 16th November, 1963	..	..	..
3	..	2nd December to 22nd December, 1963	..	..	..		5,140	7.2
4	..	27th December, 1963 to 14th January, 1964	..	..	..		4,786	6.7
5	..	24th January to 11th February, 1964	..	..	..		4,824	6.7
6 (a)	..	28th February to 6th March, 1964	..	..	..		1,127	9.7
6 (b)	..	26th March to 16th April, 1964	..	..	..		5,231	7.6
		Total .. .. .	..	..	..		31,532	7.5

* Interrupted by rain.

Figures do not include special irrigations :—

- (i) 21st to 25th August, 1963 = 346 acre feet.
(ii) 25th May to 2nd June, 1964 = 826 acre feet.

NYAH.

Irrigation Number.	Period.						Acre Feet Pumped.	Equivalent Average Depth per Acre.
								inches.
1	..	27th September to 11th October, 1963	..	..	..		1,084	5.6
2	..	6th November to 24th November, 1963	..	..	..		1,466	6.1
3	..	3rd December to 21st December, 1963	..	..	..		1,566	6.6
4	..	28th December, 1963 to 15th January, 1964	..	..	..		1,657	6.9
5	..	23rd January to 11th February, 1964	..	..	..		1,840	7.5
6	..	1st April to 23rd April, 1964	..	..	..		1,295	7.1
		Total .. .. .	..	..	..		8,908	6.6

* Interrupted owing to rain.

Figures do not include special irrigations :—

- (i) 28th February to 3rd March, 1964 = 406 acre feet.
(ii) 23rd March — Urban = 9 acre feet.
(iii) 25th to 29th May, 1964 = 133 acre feet.

APPENDIX D—continued.

ROBINVALE.

Irrigation Number.	Period.						Acre Feet Pumped.	Equivalent Average Depth per Acre.
								inches.
1	..	10th September to 27th September, 1963	..	..	..	2,102	5.2
2	..	4th November to 20th November, 1963	..	..	..	2,507	5.4
3	..	2nd December to 19th December, 1963	..	..	..	2,644	5.8
4	{	27th December, 1963 to 8th January, 1964	..	..	..	2,816	5.9
		10th January to 15th January, 1964	..	..	..
5	{	22nd January to 6th February, 1964	..	..	..	2,771	6.0
		10th February to 13th February, 1964	..	..	..
6	{	6th April to 8th April, 1964	..	..	..	1,959	5.0
		15th April to 28th April, 1964	..	..	..
		Total .. .. .	..	..	..	14,799	5.7

Figures do not include special irrigations :—

- (i) 16th to 18th December, 1963 = 166 acre feet.
- (ii) 2nd to 6th March, 1964 = 365 acre feet.
- (iii) 26th to 29th March, 1964 = 312 acre feet.
- (iv) 1st to 3rd June, 1964 = 208 acre feet.

APPENDIX E.

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.	From Lake Eppalock through Pipeline.	Total.			
			Acre feet.	Acre feet.	Acre feet.	Acre feet.	Acre feet.	Acre feet.	Acre feet.
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
1960-61	..	..	74,255	718	..	74,973	29,832	20,755	70
1961-62	..	..	36,538	1,204	..	37,742	34,160	21,186	62
1962-63	..	..	30,114	2,575	..	32,689	30,275	18,394	61
1963-64	..	..	34,573	1,006	1,178	36,757	32,169	19,459	61

APPENDIX F.

CAPACITIES OF
COMMISSION AND RIVER MURRAY STORAGES.

Storage.	Full Supply Reduced Level.	Capacity.	
	Feet.	Acre feet.	Acre feet.
<i>Goulburn System—</i>			
Lake 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.			
Lake Hume	2,500,000		
Yarrawonga	95,120		
Torrumbarry	28,900		
Euston	31,320		
Mildura	29,360		
Wentworth	38,140		
	2,722,840		
Kow Swamp	272·00	40,860	
Cairn Curran	684·50	120,600	
Tullaroop (2,200 acre feet below gravitation level)	733·00	60,000	
Laanecoorie	527·00	6,300	
Kerang North-West Lakes—			
Third, Middle, Reedy,	244·75		
Kangaroo, Racecourse, Charm, } (42,100 acre feet below gravitation level)	241·00		
Cullens }	240·25	69,400	
Lake Boga (23,750 acre feet below gravitation level)	226·50	29,650	
Lake Cullulleraine	101·00	2,000	
<i>Campaspe System—</i>			
Lake Eppalock	637·00	252,860	
			1,943,090
<i>Wimmera-Mallee System—</i>			
Rocklands	644·00	272,000	
Toolondo	546·00	86,000	
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	
Taylor's Lake (1,500 acre feet below gravitation level)	482·33	30,000	
Pine Lake (19,700 acre feet below gravitation level)	475·00	52,000	
Green Lake	452·50	6,600	
Dock Lake	442·00	4,800	
Moora (200 acre feet below gravitation level)	723·50	5,100	
Lower Wimmera Weirs		2,870	
Batyo Catyo (Avon Regulator)	401·00	3,900	
Lake Whitton	375·00	1,300	
Township Reservoirs and Mallee Tanks		5,030	
			563,800
<i>Maffra-Sale System—</i>			
Lake 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>Werribee System—</i>			
Pykes Creek	1,306·00	19,400	
Melton	273·00	15,500	
			34,900
<i>Mornington Peninsula System—</i>			
Devilbend	233·50	11,840	
Lysterfield	221·50	3,400	
Beaconsfield	340·00	740	
Frankston	255·00	660	
Mornington	244·00	260	
Bittern	250·00	480	
Service Basins		260	
			17,640
<i>Orway System—</i>			
Service Basins			1,080
<i>Miscellaneous—</i>			
Wonthaggi	238·00	1,550	
Wonthaggi Service Basins		10	
Newstead	806·00	48	
Hepburn's Lagoon	1,720·00	2,300	
Newlyn	1,750·00	2,700	
Little River Weir		180	
Moorabool River Weirs		70	
			8,058
Available capacity of storages at 30th June, 1964			5,889,738
ADDITIONAL CAPACITY WHICH WILL BECOME AVAILABLE FROM WORKS UNDER CONSTRUCTION			
Lake Bellfield	910·00	63,680	79,680
Buffalo Reservoir (first stage)	868·00	16,000	
TOTAL CAPACITY WHEN PRESENT WORKS ARE COMPLETED			5,969,418

(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 G.

PRIVATE DIVERSIONS OF WATER.

NUMBERS AUTHORIZED.

Purpose of Diversion.	Licences.	Permits.	Agreements.	TOTAL, 1963-64.	Total, 1962-63.
Domestic and Stock	3	2,203	Nil	2,206	2,151
Industrial	5	104	Nil	109	115
Irrigation	1,130	3,513	598	5,241	4,692
TOTAL	1,138	5,820	598	7,556	6,958

AREAS AUTHORIZED TO BE IRRIGATED.

	Licences.	Permits.	Agreements (Drains).	Total.
	Acres.	Acres.	Acres.	Acres
Cereals	341	283	15	639
Lucerne	4,398	3,172	522	8,092
Sorghum and Annual Crops	1,224	1,227	110	2,561
Pastures—				
Native	626	Nil	1,834	2,460
Annual	2,420	30	7,482	9,932
Perennial	31,954	36,573	15,795	84,322
Vineyards—				
Dried Fruit	1,672	63	Nil	1,735
Table and Spirit	1,676	80	Nil	1,756
Orchards—				
Citrus	3,488	50	6	3,544
Others	1,155	421	110	1,686
Market Garden	3,017	11,174	15	14,206
Miscellaneous	931	8,275	56	9,262
TOTAL 1963-64	52,902	61,348	25,945	140,195
TOTAL 1962-63	51,137	59,751	23,774	134,662

APPENDIX H.

STAFF AND EMPLOYMENT FIGURES
30TH JUNE, 1962, 1963 AND 1964.

	30th June, 1962.				30th June, 1963.				30th June, 1964.			
	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 qualifications, engaged on engineering, draughting, research and surveying .. ..	..	312	3	401	..	299	19	399	..	301	16	413
Inspectors, Water Bailiffs, Rangers, &c., engaged on District operations and maintenance .. ..	..	..	454	537	..	..	431	509	..	..	419	511
Excavator Supervisors, Field Assistants, &c., engaged on construction and plant maintenance .. ..	..	..	26	51	..	..	13	41	..	..	26	46
<i>Accounting and Administration.</i>												
Administrative Officers and Clerical Assistants	222	..	52	326	227	..	53	336	222	..	52	332
Typists, Messengers, &c. .. ..	..	..	37	103	..	..	30	110	..	..	34	106
<i>Other Categories.</i>												
Laboratory Assistants, Survey Assistants, Motor Drivers, &c. ..	..	..	40	70	..	..	64	88	..	..	60	95
Totals	222	312	612	1,488	227	299	610	1,483	222	301	607	1,503
<i>Casual Labour.</i>												
Construction (Day Labour and Contract) .. ..	..	..	..	809	..	..	..	772	..	..	..	961
District Maintenance .. ..	..	..	..	1,048	..	..	..	1,158	..	..	..	1,161
TOTALS .. ..	..	..	..	3,345	..	..	..	3,413	..	..	..	3,625

(EXCLUDING MELBOURNE METROPOLITAN AREA)

State of Victoria (Total)	..	..	..	..	..	..	..	87,884	square miles	56,245,760	acres
Rural and urban lands artificially supplied with water for domestic and stock and industrial purposes by channels, tanks, bores, and pipe lines	..	..	..	..	..	..	..	18,406	square miles	11,780,000*	acres
Irrigation Districts and other lands supplied for irrigation	..	..	..	..	..	..	..	..	..	2,670,000*	acres
Irrigated Area	..	..	..	..	..	..	..	..	..	1,137,241	acres
Drained Area within Irrigation Districts	..	..	..	..	..	..	..	..	..	628,000	acres
Drainage District Area	..	..	..	..	..	..	..	..	..	19,750	acres
Flood Protection Districts Area	..	..	..	..	..	..	..	..	..	148,850	acres
* Gross area											
	*	*	*								

Storages—											
Large reservoirs	..	..	..	..	..	..	..	..	..	..	41
Subsidiary reservoirs and service basins	..	..	..	..	..	..	..	..	..	..	265
Total capacity of storages,=5,889,738* acre feet											
* Includes half share of Lake Hume and other River Murray works.											

[illegible][illegible]

In Wimmera-Mallee Waterworks District	264 tanks
---------------------------------------	----	----	----	----	----	----	----	-----------

[illegible]

Water delivered for irrigation	1,701,468	acre feet
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RURAL DISTRICTS ADMINISTERED BY COMMISSION—							Number of Districts	Number of Assessment	Population
Irrigation Districts . . . . .	..	..	..	..	..	10	17,628	49,496
Waterworks Districts (including rural lands, Coliban System)	..				..	18	20,999	56,638
Flood Protection Districts Under Water Act . . . . .				..	..	3	1,695* (56)	4,246* (12)
Drainage District . . . . .	..	..	..	..	..	1	7,972	9,500
Total . . . . .	..	..	..	..	..	32	48,294	119,880

* Figures in brackets show the assessments and population for lands also within an Irrigation District.

Towns with reticulated domestic and industrial pipe supplies—		Towns	Population
Commission .. .. .	.. .. .	136	192,175
Waterworks Trusts .. .. .	.. .. .	192	452,863
Local Governing Bodies .. .. .	.. .. .	18	111,915
Totals .. .. .	.. .. .	346	756,953

APPENDIX I—*continued.*

SEWERAGE—

(Local Authorities supervised by Commission)—

	Authorities								Population
Systems operating	55*	..							516,880
Constituted, not operating	22	..							102,170
Totals	77*	..							619,050

* Includes Geelong Waterworks and Sewerage Trust and Latrobe Valley Water and Sewerage Board.

RIVER IMPROVEMENT AND DRAINAGE—

	Authorities								Total Areas of Districts
R. I. Trusts	20	..							1,221,800 acres
Drainage Trusts	4	..							167,700 acres
Valley Authority	1	..							284,300 acres

* * *

CAPITAL LIABILITY FOR WATER SUPPLY—

Total to 30th June, 1964—

Borne by the State	£115,932,958
Borne by Districts, Waterworks Trusts, etc. .. £	29,485,077
Total	£145,418,035