

Coliban System Northern



The Coliban System Northern supplies the following towns:

- Axedale
- Bendigo
- Heathcote
- Huntly
- Marong
- Raywood
- Sebastian
- Tooborac

The towns can be supplied from our storages on the Coliban River, Lake Eppalock, or the Waranga Western Channel via the Goldfields Superpipe.

Water Summaries are prepared each month to provide current water resource information.

Our Urban Water Strategy outlines our water supply initiatives to meet our region's residential, business and community water needs for the next 50 years.

For more information visit our website <https://coliban.com.au>



NORTH

Legend

- ➡ Potable Water
- ➡ Raw Water
- ★ Non potable Supply



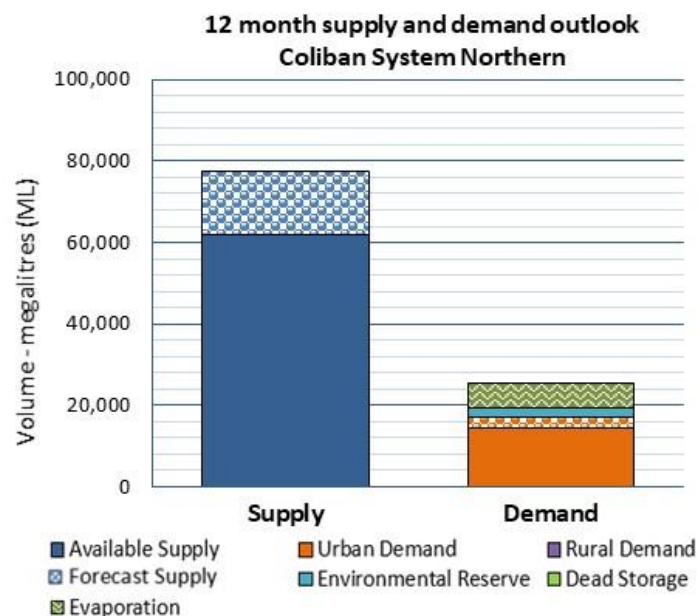
Available raw water supply

Available allocation ¹	Lake Eppalock (our share)	Our storages ²	Total available (Megalitres)
5,663 ML	53,803 ML	2,616 ML	62,082 ML

¹ Does not include allocation held in spillable water account or spill

² Includes Sandhurst and Caledonia Reservoirs, but not the portion of the volume in storages on the Coliban River that may be supplied to the system.

The graph below shows the raw water 12-month supply and demand outlook for the Coliban System Northern.



Further system information

> Lake Eppalock

We can access up to 17,440 ML per year averaged over three years from our share of Lake Eppalock.

> Water shares volume

Goulburn - 22,790 ML High Reliability

Goulburn - 2,857 ML Low Reliability

Campaspe - 2,591 ML High Reliability

Campaspe - 646 ML Low Reliability

> Water shares allocation

Goulburn -

High Reliability 100%

Low Reliability 77%

Campaspe -

High Reliability 100%

Low Reliability 100%

> Allocation trade

Seasonal allocation against bulk entitlements and water shares can be traded on the water market into and out of this system.

> Carryover

Up to 100% of unused allocation may be carried over for use in the following year.

> Spillable Water Account

Any volume held in excess of entitlement is quarantined in a spillable water account and may be lost if the storage spills, or returned to the allocation account if the Resource Manager declares a low risk of spill.

> Water restriction outlook

The forecast supply is assessed against the average annual demand to determine the need for restrictions. We aim to maintain 12 months' supply in the Coliban Northern System System.

Permanent Water Saving Rules (PWSR) currently apply.

> Rural allocation

Customers supplied from the rural system may access 100% of their entitlement in 2023/24.

Allocation trade & Superpipe pumping

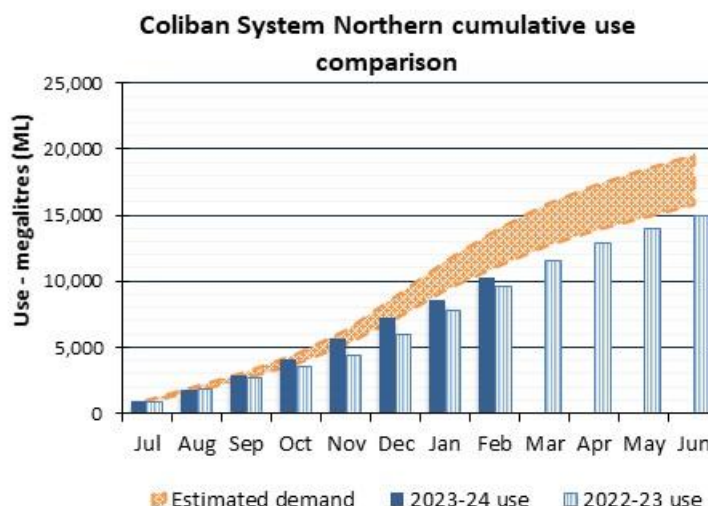
Trade for month ³	Trade to date ³	Pumping for month ⁴	Pumping to date ⁴
10,800 ML	25,300 ML	0 ML	0 ML

³ Seasonal allocation water transferred to a trading account. Includes transfers into and out of this system.

⁴ Transferred from the Waranga Western Channel or Lake Eppalock to Sandhurst Reservoir. Excludes pumping to Heathcote.

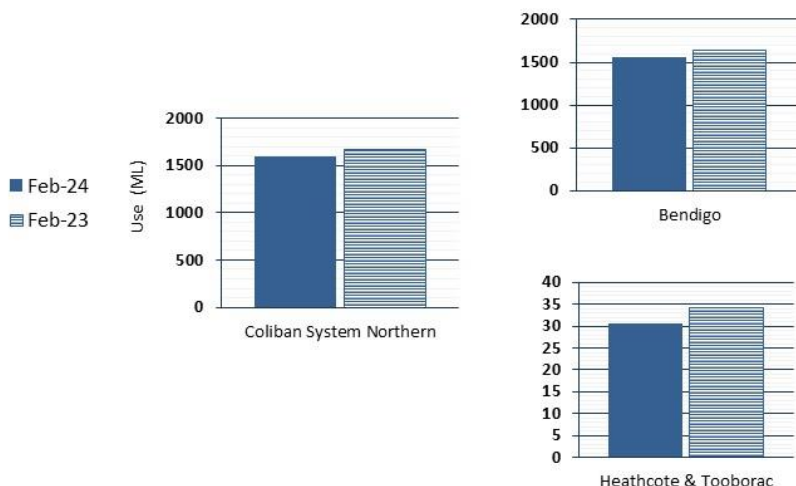
Demand comparison

The graph below shows cumulative water use for the Coliban Northern System compared with the same period last year and estimated demand. The use and demand include urban, rural and losses.



Monthly use by towns

The graphs below show this month's water use for the Coliban System Northern, including rural use, and each town supplied by this system, compared with the same period last year.



Coliban System Southern



The Coliban System Southern supplies the following towns:

- Elphinstone
- Castlemaine
- Fryerstown
- Guildford
- Harcourt
- Kyneton
- Maldon
- Newstead
- Malmsbury
- Taradale
- Tylden

Raw water is sourced from our Coliban River catchment storages: Upper Coliban, Lauriston and Malmsbury Reservoirs, located near Kyneton.

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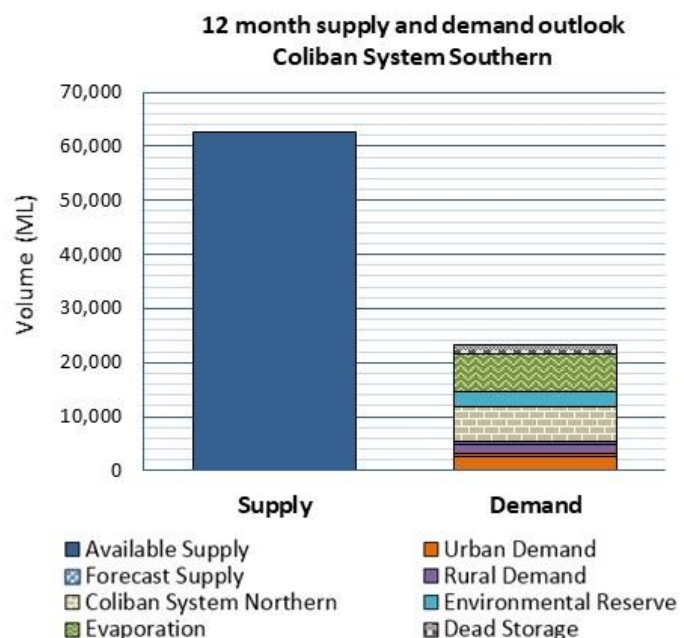
Available raw water supply

Our storages ¹	Environmental Reserve ²	Holding basins (McCay and Barkers Creek)	Total available (Megalitres)
60,822 ML	479 ML	2,295 ML	62,638 ML

¹ Our storages can also supply Coliban System Northern

² Stored in Malmsbury Reservoir to meet environmental obligations

The graph below shows the raw water 12-month supply and demand outlook for the Coliban System Southern.



Further system information

> Water restriction outlook

The forecast supply is assessed against the average annual demand to determine the need for restrictions.

We aim to maintain 24 months' supply in the Coliban Southern System.

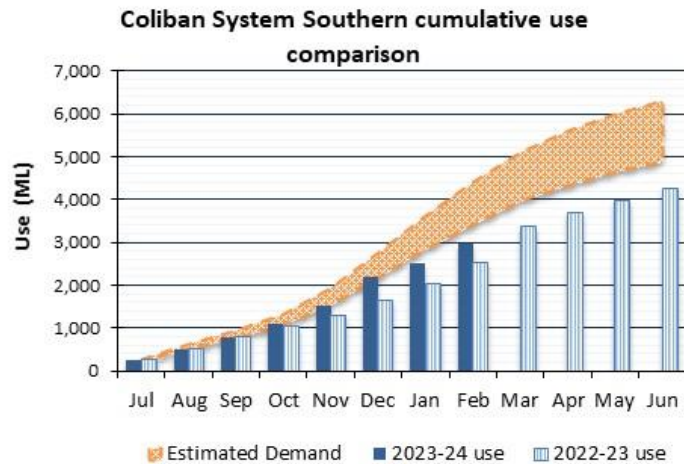
Permanent Water Saving Rules (PWSR) currently apply.

> Rural allocation

Customers supplied from the rural system may access 100% of their entitlement in 2023/24.

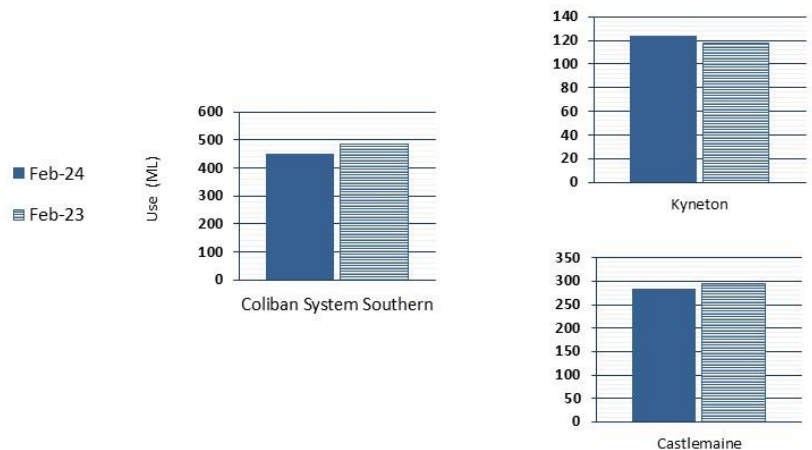
Demand comparison

The graph below cumulative water use for the Coliban System Southern compared with the same period last year and estimated demand. The use and demand include urban, rural and losses.



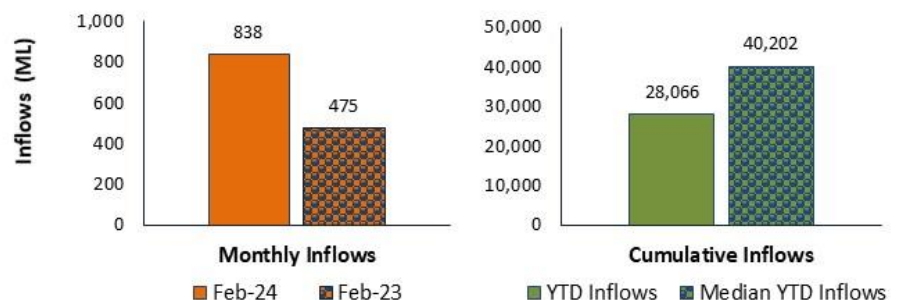
Monthly use by town

The graphs below show this month's water use for the Coliban System Southern, including rural usage, and the towns supplied by this system, compared with the same period last year.



Coliban catchment inflows

The graphs below show the inflow to our major storages on the Coliban River this month compared with the same period last year; and cumulative inflow compared to the cumulative median inflow (1975 to 2022) for the same period.



Campaspe System

March 2024



The Campaspe System supplies the following towns:

- **Goornong**

Raw water is sourced from the Campaspe River. Goulburn-Murray Water manages flows in the Campaspe River.

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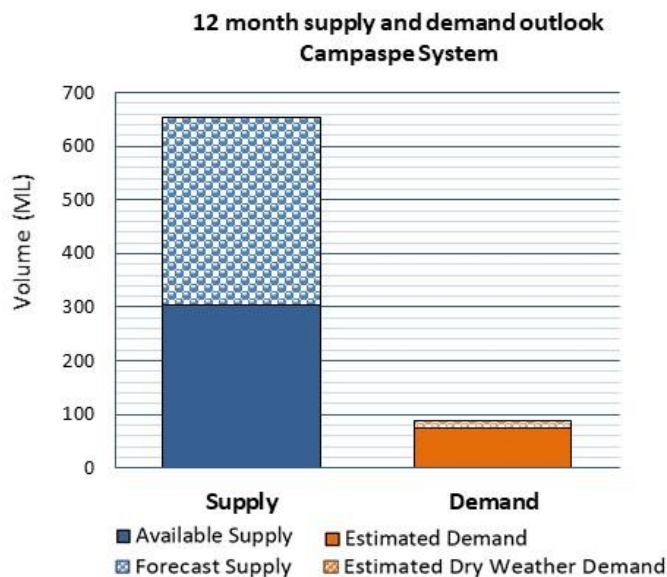
Available raw water supply

Carryover last year	Allocation to date	Allocation Trade ²	Spillable water ¹	Use to date	Total Available (Megalitres)
3 ML	349 ML	0 ML	3 ML	44 ML	305 ML

¹ Includes water held in spillable water account and spill.

² Seasonal allocation water sold during month, year or transferred to a trading account. Includes transfers into and out of this system.

The graph below shows the raw water 12-month supply and demand outlook for the Campaspe System.



Further system information

> Bulk entitlement volume

- 349 ML per year

> Allocation volume

- 100%

Note minimum allocation of 50% under Bulk Entitlement

> Carryover

Up to 100% of unused allocation may be carried over for use in the following year.

> Allocation trade

Seasonal allocations against bulk entitlements and water shares can be traded on the water market into and out of this system.

> Spillable Water Account

Any volume held in excess of entitlement is quarantined in a spillable water account and may be lost if the storage spills, or returned to the allocation account if the Resource Manager declares a low risk of spill.

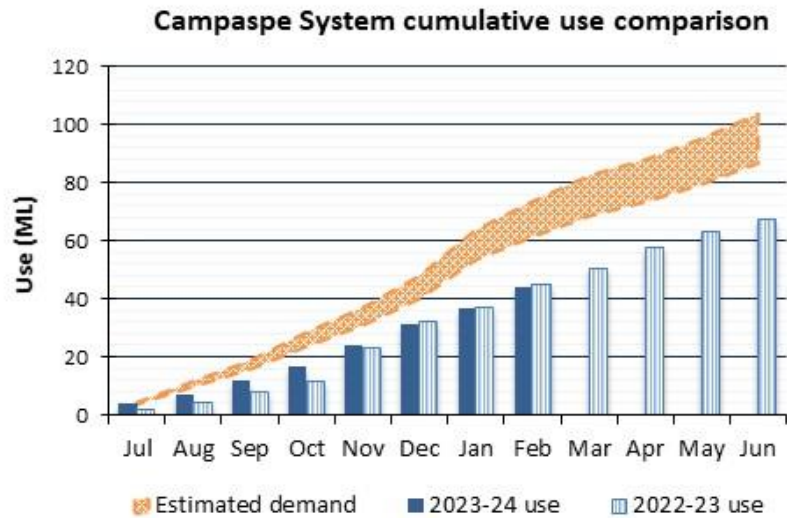
> Water restriction outlook

The forecast supply is assessed against the average annual demand to determine the need for restrictions. We aim to maintain 12 months' supply in the Campaspe System.

Permanent Water Saving Rules (PWSR) currently apply.

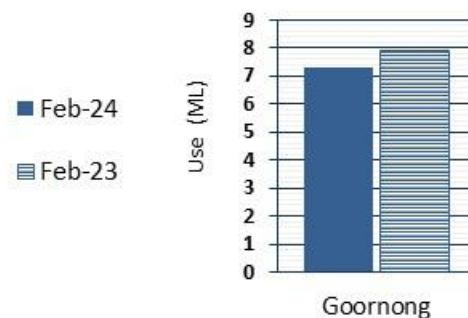
Demand comparison

The graph below shows cumulative water use for the Campaspe System compared with the same period last year and estimated demand.



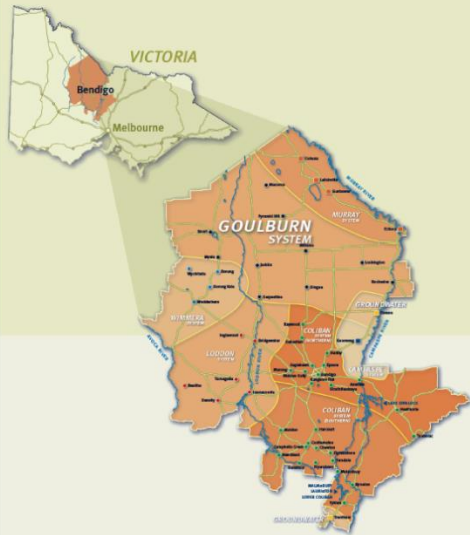
Monthly use by town

The graph below show this month's water use for Goornong compared with the same period last year.



Goulburn System

March 2024



The Goulburn System supplies the following towns:

- Boort
- Dingee
- Jarklin
- Lockington
- Macorna
- Mitiamo
- Mysia
- Pyramid Hill
- Rochester
- Serpentine

Raw water is supplied from the Waranga Western Channel, which is managed by Goulburn-Murray Water.

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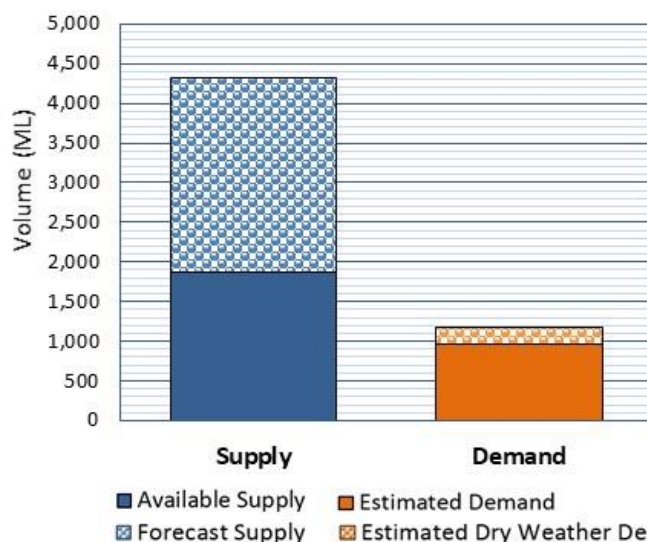
Available raw water supply

Carryover last year	Allocation to date	Allocation trade	Spillable water ¹	Use to date	Total available (Megalitres)
1,678 ML	2,480 ML	0 ML	1,678 ML	617 ML	1,862ML

¹ Includes water held in spillable water account and spill.

The graph below shows the raw water 12 month supply and demand outlook for the Goulburn System.

12 month supply and demand outlook
Goulburn System



Further system information

> Bulk entitlement volume

- 2,420 ML per year

Our Goulburn System Entitlement has a very high reliability of supply.

> Water Allowance

- 60 ML per year

Our water allowance has the same reliability as High Reliability Water Shares.

> Allocation volume

BE 100%

Water Allowance 100%

> Carryover

Up to 100% of unused allocation may be carried over for use in the following year.

> Allocation trade

Seasonal allocations against bulk entitlements can be traded on the water market into and out of this system.

> Spillable Water Account

Any volume held in excess of entitlement is quarantined in a spillable water account and may be lost if the storage spills or returned to the allocation account if the Resource Manager declares a low risk of spill.

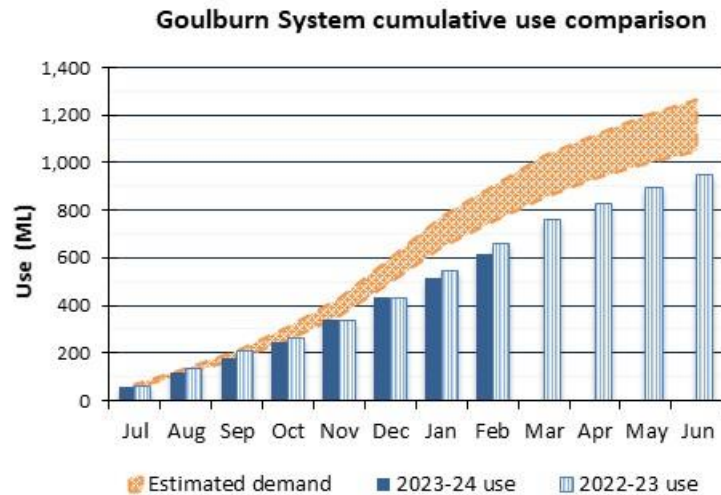
> Water restriction outlook

The forecast supply is assessed against the average annual demand to determine the need for restrictions. We aim to maintain 12 months' supply in the Goulburn System.

Permanent Water Saving Rules (PWSR) currently apply.

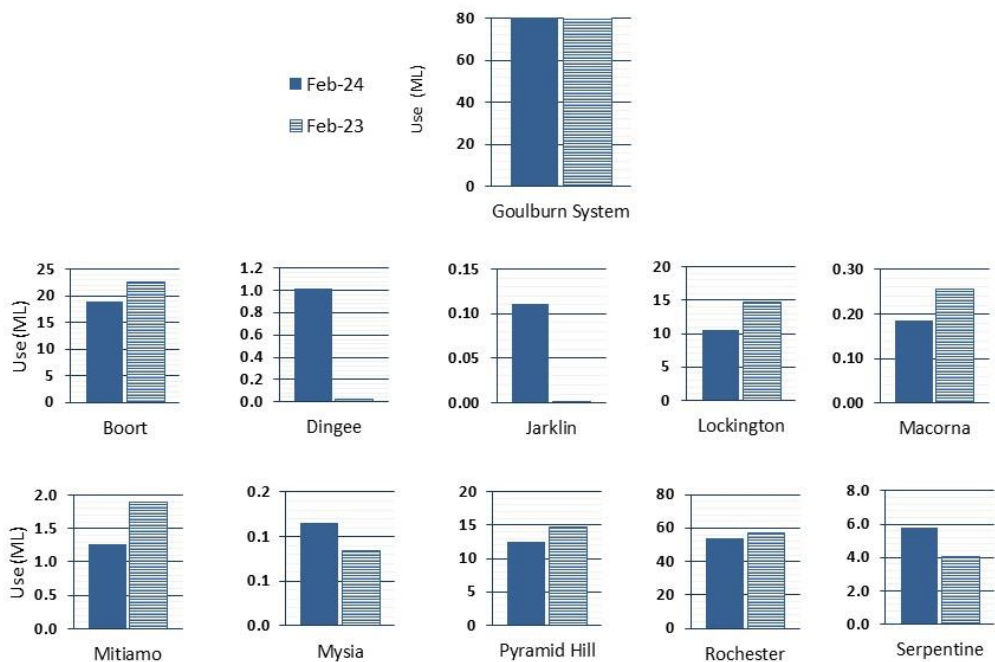
Demand comparison

The graph below shows cumulative water use for the Goulburn System compared with the same period last year and estimated demand.



Monthly use by town

The graphs below show this month's water use for the Goulburn System and each town supplied by this system, compared with the same period last year.





Groundwater System: Elmore



The Elmore System supplies the following towns:

- Elmore

Raw water is supplied from two groundwater bores.

Groundwater resources are managed by Goulburn-Murray Water under the Lower Campaspe Valley Groundwater Management Area Groundwater Management Plan.

Water Summaries are prepared each month to provide current water resource information.

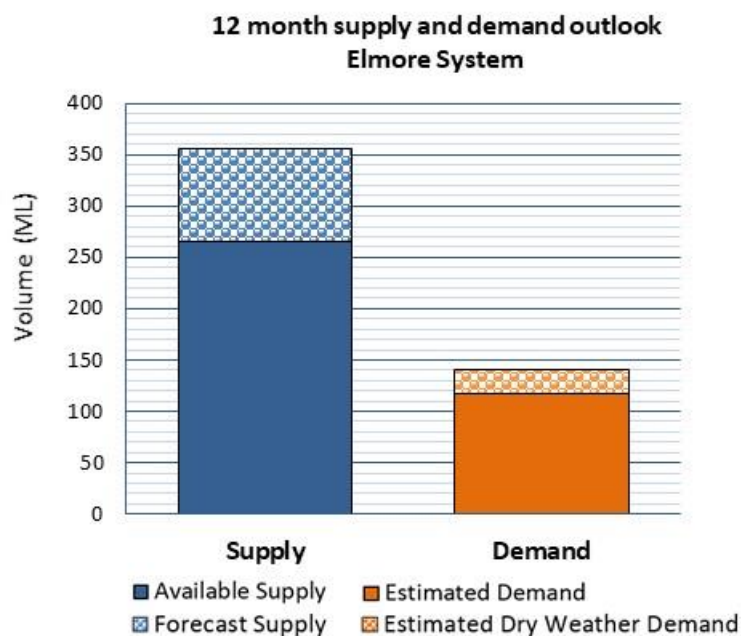
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Available raw water supply

Carryover last year	Allocation to date	Allocation trade	Use to date	Total Available (Megalitres)
71 ML	284 ML	0 ML	90 ML	265 ML

The graph below shows the raw water 12 month supply and demand outlook for the Elmore System.



Further system information

> Groundwater licence volume

- 284 ML per year

> Allocation volume

- 100%

> Carryover

Unused allocation up to 25% of the licence volume may be carried over for use in the following year.

> Trade

Licence volume may be traded temporarily or permanently in the Lower Campaspe Valley Water Supply Protection Area.

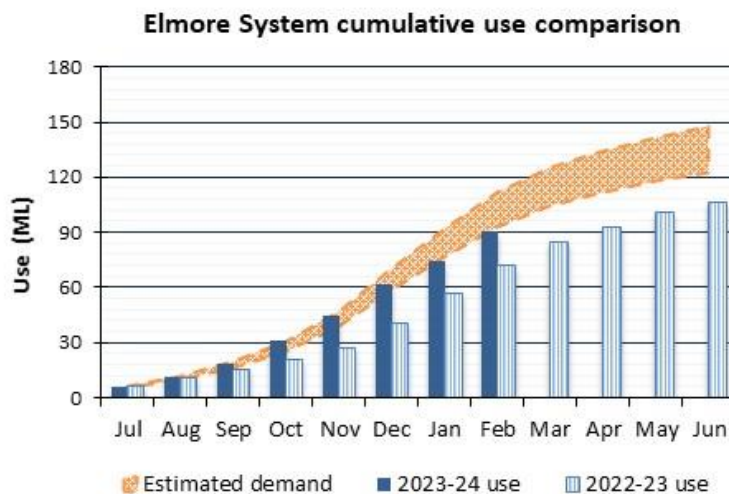
> Water restriction outlook

The forecast supply is assessed against the average annual demand to determine the need for restrictions. We aim to maintain 12 months' supply in the Elmore System.

Permanent Water Saving Rules (PWSR) currently apply.

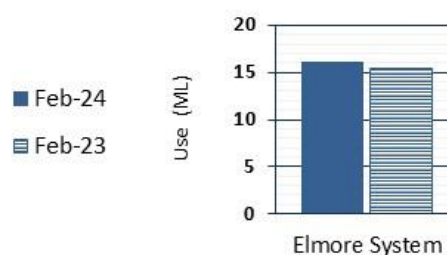
Demand comparison

The graph below shows cumulative water use for the Elmore System compared with the same period last year and estimated demand.



Monthly use by town

The graph below show this month's water use for the Elmore System compared with the same period last year.





The Trentham System supplies the following towns:

- Trentham

Raw water is sourced from two spring fed reservoirs and supplemented by groundwater bores.

Groundwater resources are managed by Goulburn-Murray Water under the [Central Victorian Mineral Springs Groundwater Management Area Local Management Plan](#).

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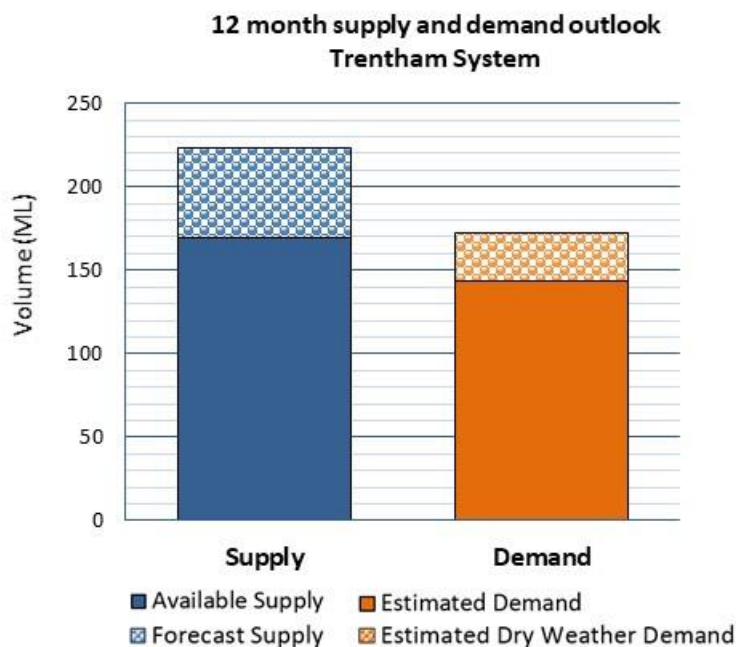
Groundwater System: Trentham



Available raw water supply

Groundwater	Storage volume	Use to date	Total Available
80 ML	89 ML	99 ML	170 ML

The graph below shows the raw water 12 month supply and demand outlook for the Trentham System.



Further system information

> Bulk entitlement volume

The bulk entitlement allows for an average take of 120 ML per year over a three-year period

> Groundwater licence volume

- 103 ML per year

> Allocation volume

Groundwater - 100%

> Trade

Groundwater licence volume may be traded temporarily or permanently in the Central Victorian Mineral Springs Groundwater Management Area.

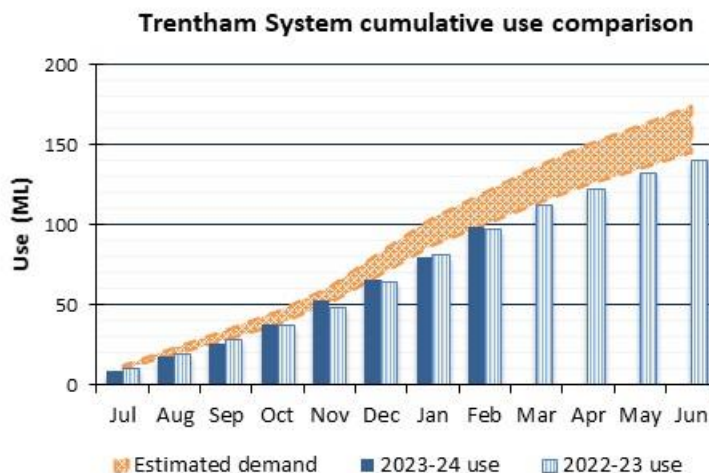
> Water restriction outlook

The forecast supply is assessed against the average annual demand to determine the need for restrictions. We aim to maintain 12 months' supply in the Trentham System.

Permanent Water Saving Rules (PWSR) currently apply.

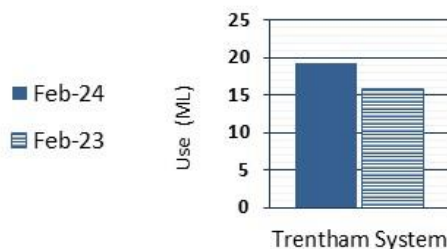
Demand comparison

The graph below shows cumulative water use for the Trentham System compared with the same period last year and estimated demand.



Monthly use by town

The graph below show this month's water use for the Trentham System compared with the same period last year.



Loddon Wimmera System

March 2024



The Loddon Wimmera System supplies the following towns:

- Bealiba
- Borung
- Bridgewater
- Dunolly
- Inglewood
- Laanecoorie
- Korong Vale
- Tarnagulla
- Wedderburn
- Wychitella

Borong, Bridgewater, Inglewood, Korong Vale, Wedderburn, and Wychitella are supplied from the Wimmera Mallee Pipeline and South West Loddon Pipeline which are managed by Grampians Wimmera Mallee Water. Laanecoorie, Tarnagulla, Dunolly, Bealiba are supplied from the Loddon River managed by Goulburn-Murray Water.

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Available raw water supply

Carryover last year	Allocation to date	Spillable water ¹	Allocation Trade	Use to date	Total Available
344 ML	1,187 ML	0 ML	0 ML	432 ML	1,099 ML

¹ Includes water held in spillable water account and spill.

The graph on the next page shows the raw water 12 month supply and demand outlook for the Loddon Wimmera System.

Further system information

> Entitlement volume

300 ML Wimmera Bulk Entitlement
110 ML Off-season water allowance
820 ML Loddon Bulk Entitlement

> Allocation volume

- Wimmera BE 87%
- Off-season water allowance 100%
- Loddon BE 100%
- Loddon carryover 4 ML
- Allocation 100%

The maximum volume that can be held under the Loddon BE is 100% of entitlement including carryover i.e. 820 ML. The maximum carryover is 50% of entitlement.

> Allocation trade

Seasonal allocation against bulk entitlements and water shares can be traded on the water market.

> Spillable Water Account

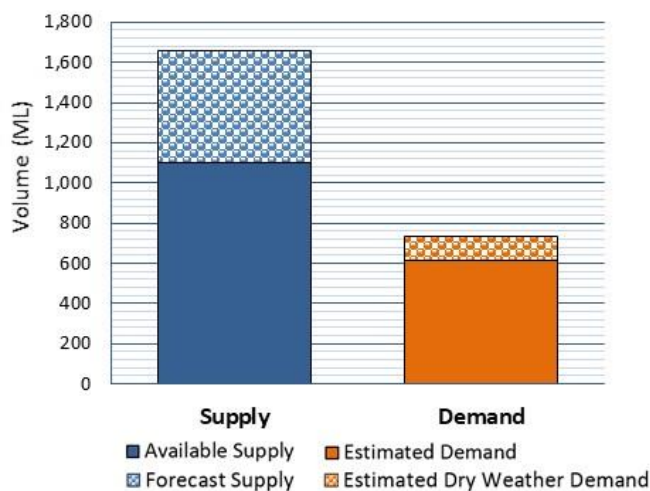
For the Wimmera BE, any volume held in excess of entitlement is quarantined in a spillable water account and may be lost if the storage spills, or returned to the allocation account if the Resource Manager declares a low risk of spill.,

> Water restriction outlook

The forecast supply is assessed against the average annual demand to determine the need for restrictions. We aim to maintain 12 months' supply in the Trentham System.

Permanent Water Saving Rules (PWSR) currently apply.

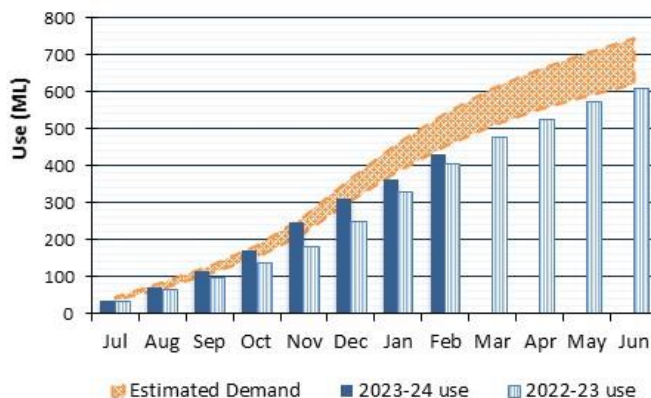
**12 month supply and demand outlook
Loddon Wimmera System**



Demand comparison

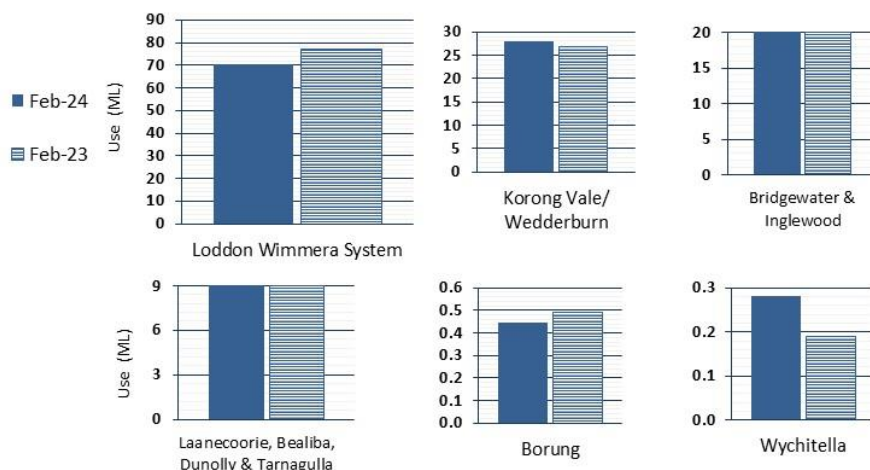
The graph below shows cumulative water use for the Loddon Wimmera System compared with the same period last year and estimated demand.

**Loddon Wimmera System cumulative use
comparison**



Monthly use by town

The graphs below show this month's water use for each town, compared with the same period last year.



Murray System

March 2024



The Murray System supplies the following towns:

- Cohuna
- Echuca
- Gunbower
- Leitchville

Water is sourced from the Murray River where flows are regulated by Goulburn-Murray Water.

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Legend



Available raw water supply

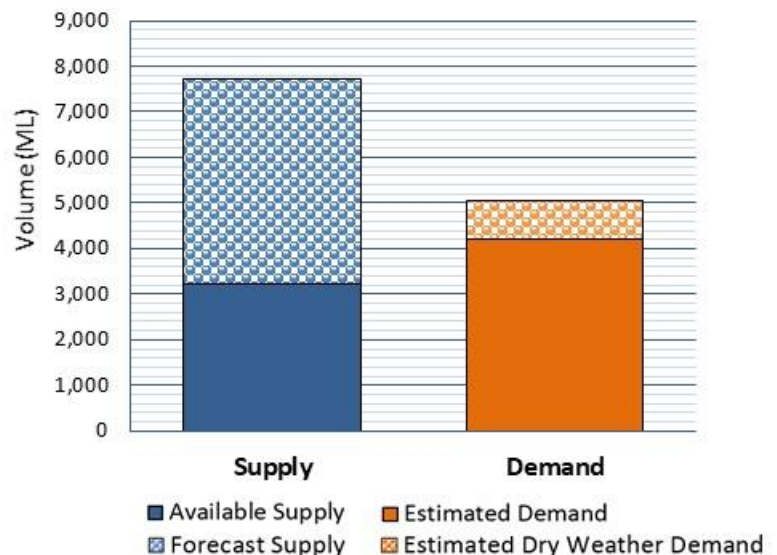
Carryover last year	Allocation to date	Allocation Trade	Spillable water ¹	Use to date	Total Available ²
2,127 ML	7,481 ML	2,800 ML	909 ML	2,689	3,210 ML

¹ Water spilt and held in the spillable water account.

² Allocation in other accounts can be transferred in if necessary.

The graph below shows the raw water 12 month supply and demand outlook for the Murray System.

12 month supply and demand outlook
Murray System



Further system information

> Bulk entitlement volume

- 6,285 ML

> Water share volume

- 454 ML high reliability

- 873 ML low reliability

> Allocation volume

Bulk entitlement - 100%

Water shares

High reliability - 100%

Low reliability - 85%

> Carryover

Up to 100% of unused allocation may be carried over for use in the following year.

> Allocation trade

Seasonal allocation against bulk entitlements and water shares can be traded on the water market into and out of this system.

> Spillable Water Account

Any volume held in excess of entitlement is quarantined in a spillable water account and may be lost if the storage spills, or returned to the allocation account if the Resource Manager declares a low risk of spill.

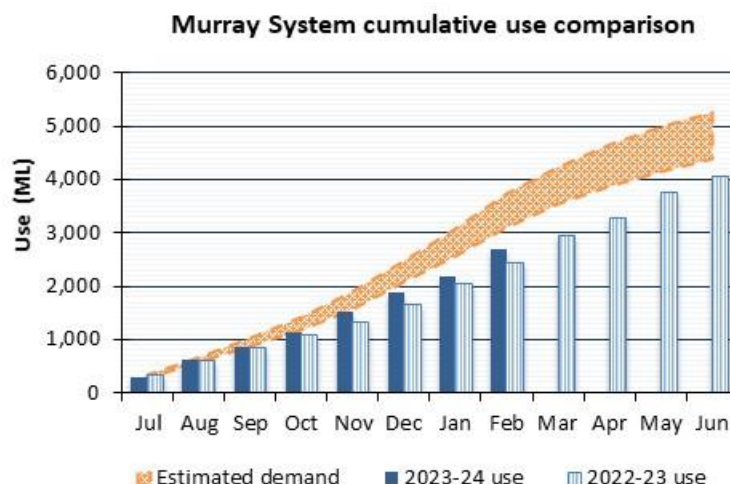
> Water restriction outlook

The forecast supply is assessed against the average annual demand to determine the need for restrictions. We aim to maintain 12 months' supply in the Murray System.

Permanent Water Saving Rules (PWSR) currently apply.

Demand comparison

The graph below shows cumulative water use for the Murray System compared with the same period last year and estimated demand.



Monthly use by town

The graphs below show this month's water use for the Murray System and each town supplied by this system, compared with the same period last year.

