

9 April 2024

Lachlan Regulated River Water Source

Water availability and allocation update

General security (GS) licenses in the Lachlan regulated river water source have received an allocation increase of 12% of their entitlement. The increment takes the combined general security account balance to 582 gigalitres (GL) or an average of 98% of entitlement. The improved resources have come from inflows and less-than-budgeted operation and transmission losses over summer.

This resource assessment is based on information to 31 March 2024. Any changes in resources from this date, including rainfall in recent days, will be captured in the next routine statement in May 2024.

Current allocation

9 April 2024	Allocation Increment	Average Account Balance
General security	12%	98%

Key information

- The Quarter 3 (Q3) evaporation reduction will soon be determined by the operator and applied.
- The reduced maximum safe level of Lake Brewster (deemed full) remains at 79.5% of the full supply capacity while current repair work is being completed. For more information [click here](#).
- For the Lake Cargelligo project update [click here](#). The current work has been completed allowing a return to using 100% of the full supply capacity if required. The next phase of construction is expected to re-start later this year.
- The applicable account balances will be reset if all storages are deemed to be full (considers reduced full supply capacity where applicable), and inflows cannot be regulated, in accordance with clause 45(3) of the water sharing plan.

Storage levels (as of 8 April 2024)

- Wyangala Dam is about 94% full – holding around 1,148 GL.
- Lake Cargelligo is about 67% full – holding around 26 GL.
- Lake Brewster is about 61% full – holding about 86 GL.

Seasonal climate and streamflow outlooks

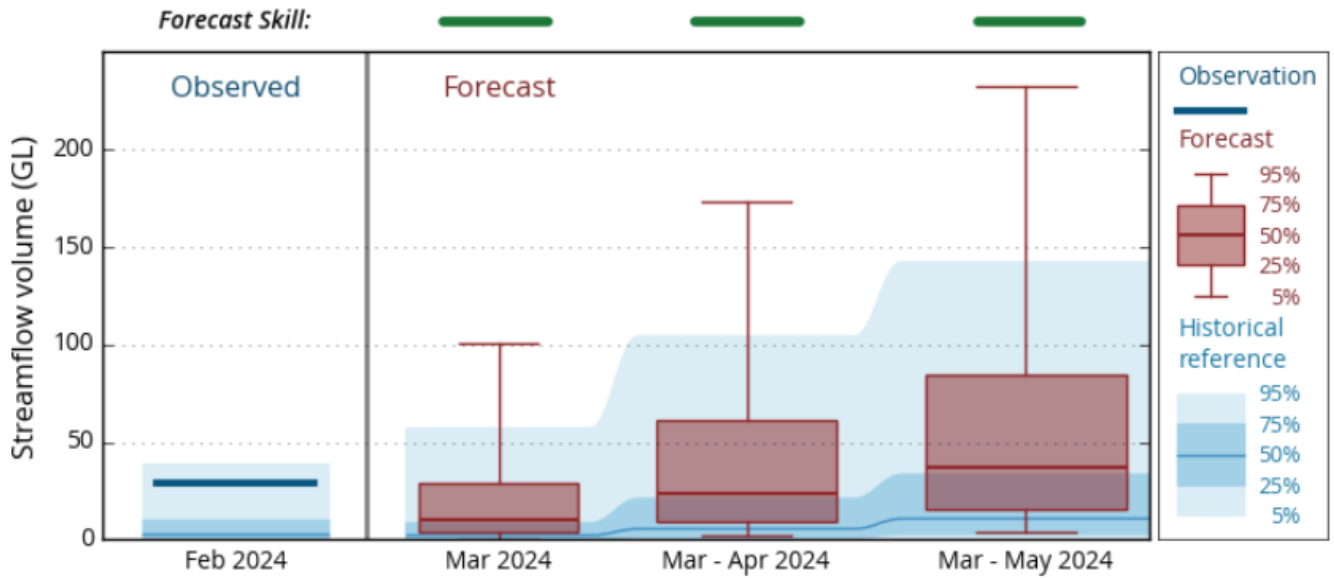
The Bureau of Meteorology's seasonal outlook for April to June 2024 indicates that rainfall will likely to be below median across the catchment. Day and overnight temperatures are likely to be above median over the next three months for the catchment.

For further details: <http://www.bom.gov.au/climate/outlooks/#/overview/summary>

The Bureau of Meteorology also issues a seasonal flow forecast for the Abercrombie River that drains into Wyangala Dam (see the figure below). This provides a forecast of potential storage inflows. All forecast quantiles for total flow volumes from March to May 2024 are significantly higher than the historical flows, indicating potentially greater inflows than historically are likely over this period. The graph from March to May 2024 is shown below, and updates can be found at: <http://www.bom.gov.au/water/ssf/#id=412028>.

Abercrombie River at Abercrombie (ID: 412028)

Forecast for Mar 2024 – May 2024



Generated: 17:53 05/03/2024 (ver. 2.9.0)

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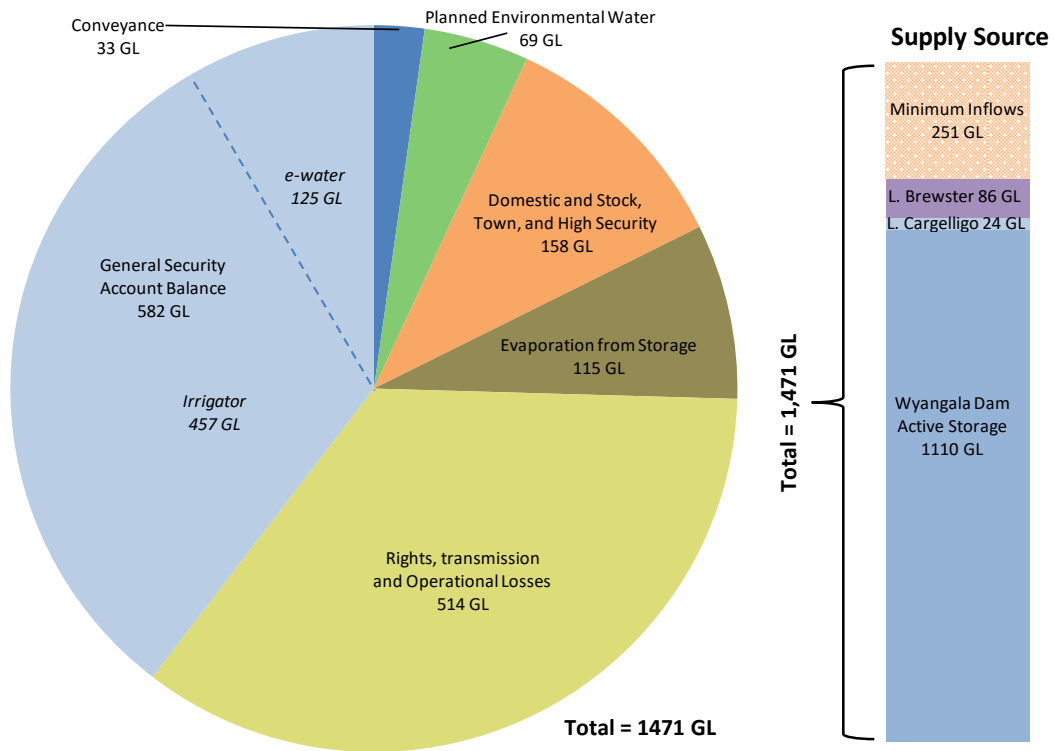
Lachlan Resource Assessment Data Sheet

Resource Distribution (April 2024 to May 2026)	Volume (GL)
Current and Future Resources ⁽¹⁾	1,471
<i>less</i>	
This water year (04/24 to 06/24)	
Planned Environmental Water balance ⁽²⁾	9
Domestic and Stock, Town balance	20
High Security balance	26
Conveyance balance	0
General Security balance ⁽³⁾⁽⁴⁾	582
Evaporation from storage ⁽⁵⁾	16
Rights, transmission, and operational losses ⁽⁶⁾	59
Storage reserve for 2024/25 and 2025/26	
Planned Environmental Water ⁽²⁾	60
Domestic and Stock, Town, and High Security ⁽⁷⁾	112
Conveyance	33
Evaporation from storage ⁽⁵⁾	99
Rights, transmission, and operational losses ⁽⁶⁾	455
<i>equals</i>	
Surplus (or deficit) ⁽⁸⁾	0

Notes:

- (1) End of March 2024 storage volume in Wyangala Dam, Lake Cargelligo, and Lake Brewster, and the planned minimum storage inflows and tributary flows from April 2024 to May 2026 and flows in transit if any. Also, this is net of 16 GL of inaccessible (dead) storage volume.
- (2) Water reserved for the Water Quality Allowance (WQA) and the Environmental Water Allowances (EWA).
- (3) Volume in general security accounts including water carried over from last water year.
- (4) The held environmental water (HEW) is estimated to be 125 GL of GS entitlements, prior to reconciliation of usage and net trade. These reported entitlements are managed by agencies holding environmental water accounts. They include the NSW DCCEEW – Biodiversity Conservation and Science Group (BCS) and the Commonwealth Environmental Water Holder (CEWH).
- (5) Evaporation loss from three storages is based on projected storage depletions.
- (6) The volume required to run the river to meet all non-licence-based demands and delivery overheads. This mostly comprises basic landholder rights, and transmission and operational losses under dry conditions. The volumes needed for the remainder of the water year and the future are based on the projected demands of respective periods.
- (7) Required volume to allow full utilisation of 100% allocation to these licence holders.
- (8) Surplus (or deficit) of water available after accounting for all commitments.

Resource Distribution as at 31 March 2024
Lachlan Regulated River Water Source



Allocations in 2023/24 for the Lachlan regulated river water source

Date	License Category	Increment	Total 2023/24	Average Account Balance
1-Jul	Domestic & Stock	100%	100%*	100%*
1-Jul	Local Water Utility	100%	100%*	100%*
1-Jul	High Security	1.00 ML/unit share	1.00 ML/unit share*	100%*
1-Jul	Conveyance	1.00 ML/unit share	1.00 ML/unit share*	100%*
10-Jul	General Security	0.00 ML/unit share	0.00 ML/unit share	120%
8-Aug	General Security	0.00 ML/unit share	0.00 ML/unit share	120%
8-Sep	General Security	0.00 ML/unit share	0.00 ML/unit share	117%
10-Oct	General Security	0.00 ML/unit share	0.00 ML/unit share	112%
8-Nov	General Security	0.00 ML/unit share	0.00 ML/unit share	108%
8-Dec	General Security	0.00 ML/unit share	0.00 ML/unit share	100%
9-Jan	General Security	0.00 ML/unit share	0.00 ML/unit share	95%
8-Feb	General Security	0.00 ML/unit share	0.00 ML/unit share	93%
8-Mar	General Security	0.02 ML/unit share	0.02 ML/unit share	90%

Date	License Category	Increment	Total 2023/24	Average Account Balance
9-Apr	General Security	0.12 ML/unit share	0.14 ML/unit share	98%

*Maximum allowable

Water Allocation Guide

The NSW Department of Climate Change, Energy, the Environment and Water published a series of guides to describe the water allocation methods for most NSW regulated river systems. The guide for the Lachlan regulated river water source is available at the below link.

For further details: <https://www.dpie.nsw.gov.au/water/our-work/allocations-availability/allocations/how-water-is-allocated/resource-assessment-process/>

Further information

The next routine monthly water allocation statement for the Lachlan Regulated River Water Source will be published on **Wednesday 8 May 2024**.

Information on available water determinations and water sharing plans is available on the department's website: [Water \(nsw.gov.au\)](https://www.nsw.gov.au/water)

Subscribe [here](#) to receive Department of Climate Change, Energy, the Environment and Water's monthly email update on water planning, management and reform in New South Wales.

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