

Water Availability – Current status & allocation update

Murrumbidgee regulated water source

Department of Climate Change,
Energy, the Environment and
Water

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Water Allocations

6 September 2024

Content



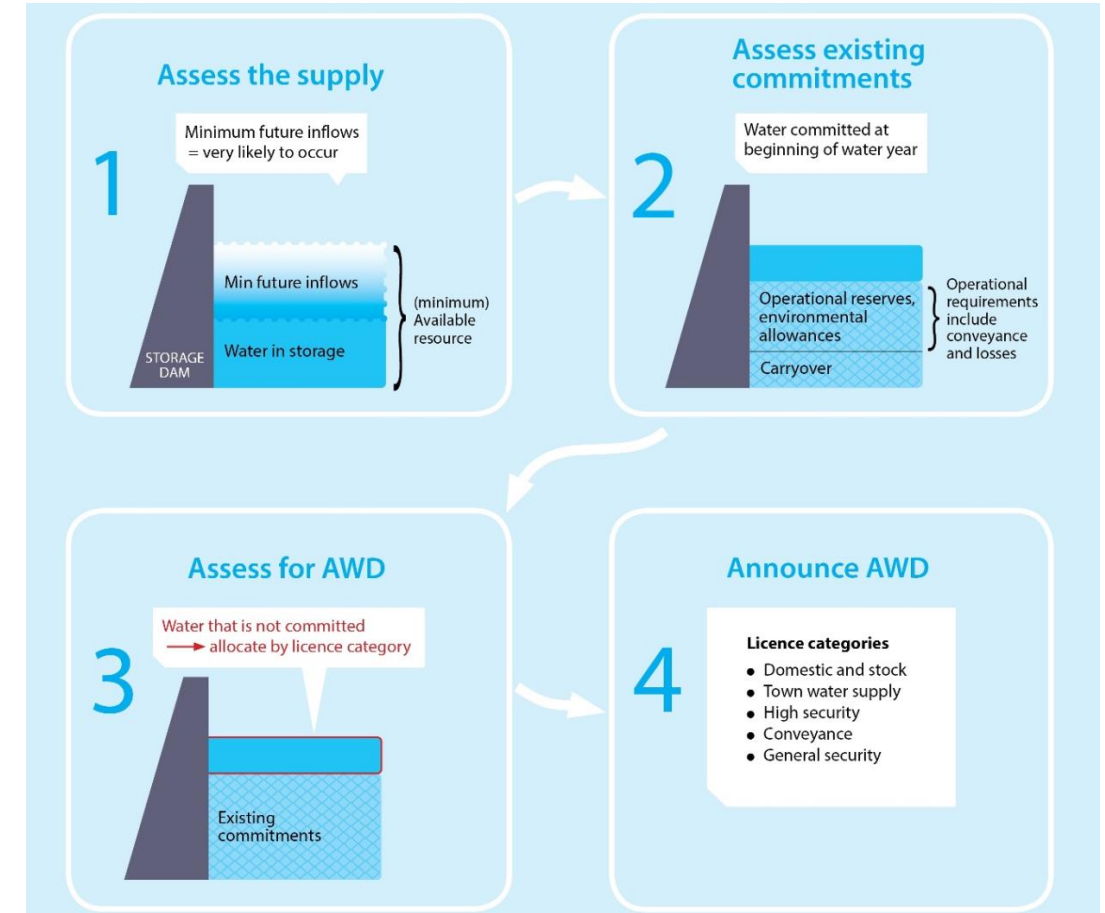
- NSW Allocations Framework
- Resource assessment
- Current allocation
- Chances of Improvements
- Other useful information

- *Water Management Act 2000*
- Water sharing plans (WSPs)
- Water licensing and accounting system
- Available Water Determination: *s59(1)(a), the Act*
- Conditions for water use (unless exempt)
 - Water access licence > Allocation > Works > Access rules

Resource Assessment > Water Allocation

Available Resource = Current Storage + Future Inflow
– Commitments – Overhead

- Allocations are based on low risk. Assumes dry outlook: low future inflow, high overhead.
- Further allocations are made when more resource becomes available, typically when inflow is higher and/or delivery loss is lower than budgeted.
- Priorities and accounting rules are given in the water sharing plan. Little discretion.
- Allocated water is owned by the licensee.

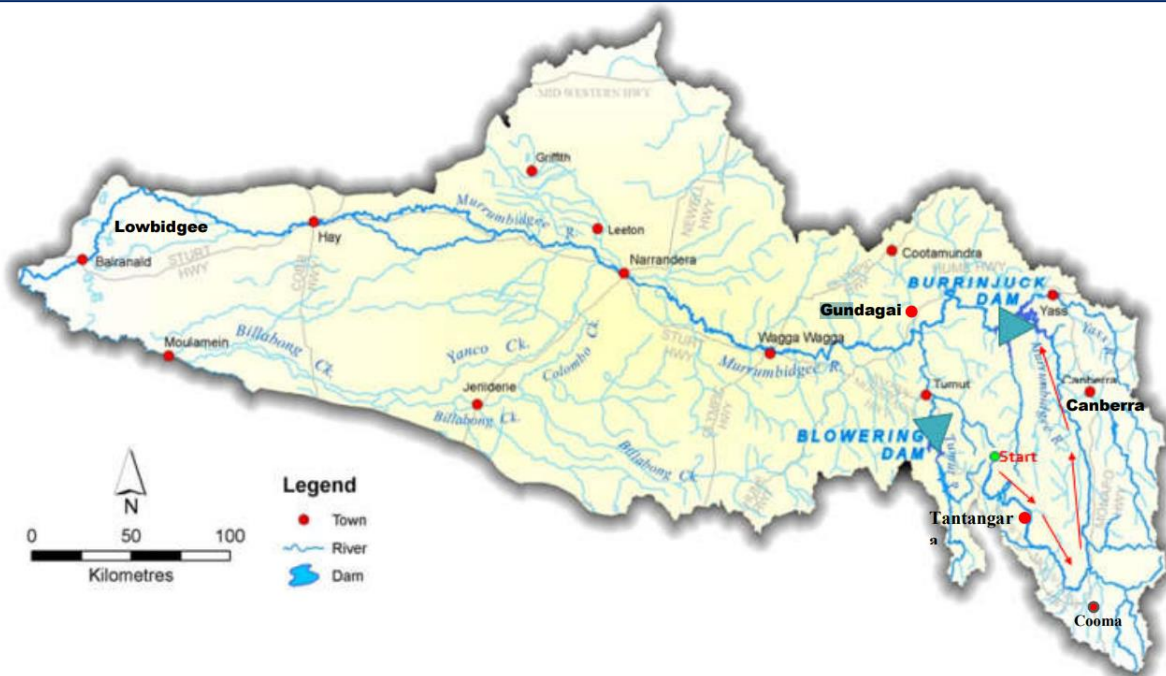


Water Sharing Priorities

Categories	Description	Allocation
Planned environmental water	Based on plan rules, no licence	Credited prescribed full volume on 1/7 Or credited based on given functions
Rights –domestic, native title	Exempt use	No allocation necessary
Domestic and stock Major water utilities Local water utilities High security	Higher priority access licences	Sufficient reserve is maintained for prescribed full allocation on 1/7. Usually forfeits un-used water on 30/6.
General security	General access licence	Surplus of above is allocated here. Generally, can carry over un-used water from 30/6 to 1/7.
Supplementary Floodplain harvesting	Lower priority licence	Allocation limits annual usage only. Actual take is subject to flow rules.

Allocation update – 2 September 2024

Murrumbidgee regulated river



Murrumbidgee Valley Storage (2nd Sept 2024)

Total Active Storage

83%

Annual change: 10%



Valley totals by dam

85%



Blowering

82%



Burrinjuck

Water allocation update 2 Sep 2024

- General security (GS) access licenses have received an allocation increase of 1% of entitlement.
- The increment brings the cumulative GS allocation this water year to 34%.
- Incorporating average carryover of 27%, the total water available in 2024/25 to date is 61%.
- This resource assessment is based on information to 31 August 2024. Any resource changes from this date, including rainfall in recent days, will be captured in the next routine statement in mid-September 2024.

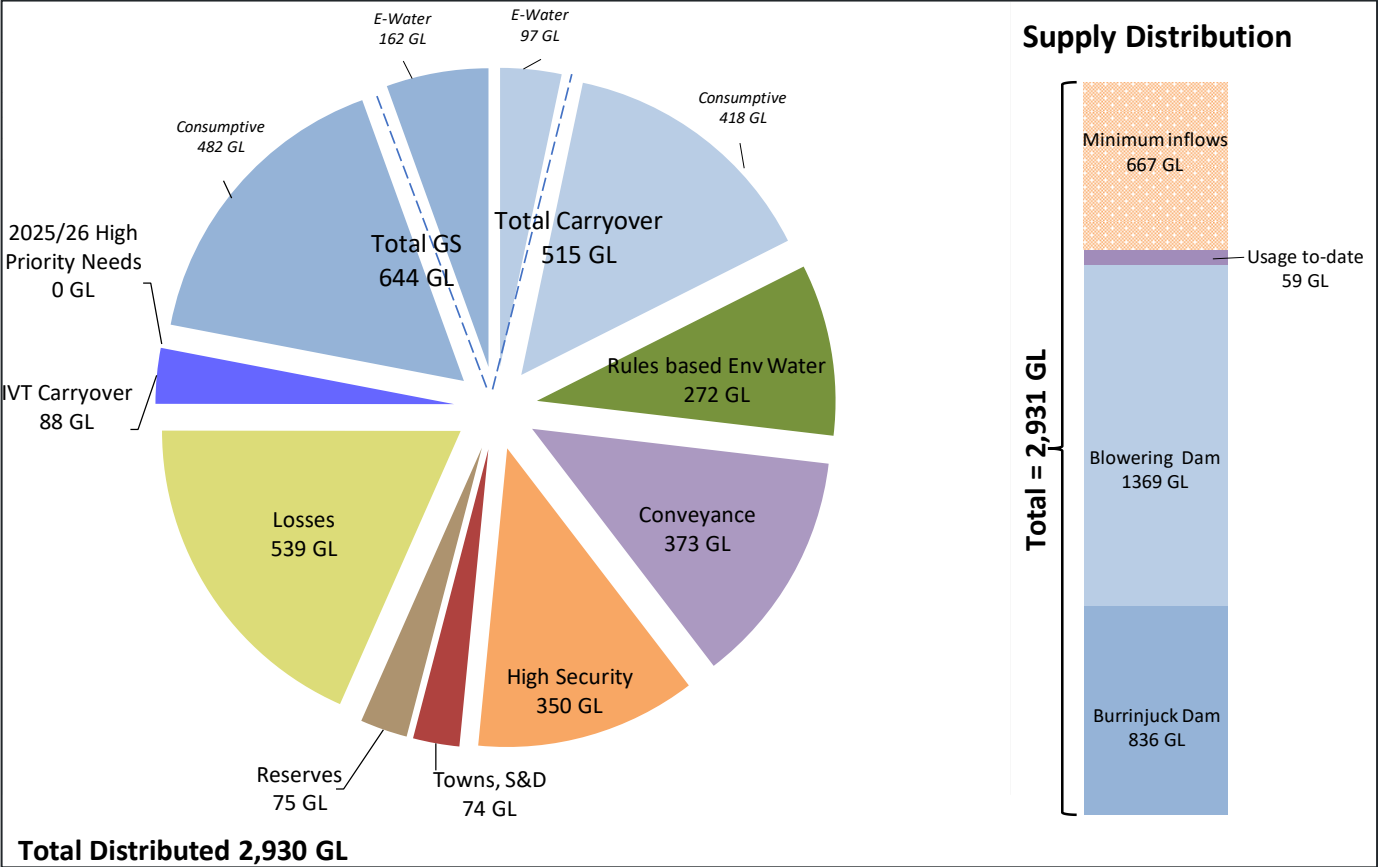
Murrumbidgee resource assessment 2 Sep 2024

Resource Distribution (02 September) for 2024/25	Volume (GL)
Total Available Resource	2,931
<i>less</i>	
Carryover	515
Planned Environmental Water	272
Domestic, Stock and Town (100%)	74
Reserves (operational and PSV 1&2)	75
High Security (95%)	350
Conveyance, including carryover	373
Losses (8/24 to 6/25)	539
Murrumbidgee IVT (carryover remaining from 1 July)	88
General Security (34%)	644
2025/26 higher priority reserve	0
<i>equals</i>	
Surplus (or deficit)	1

Murrumbidgee Regulated River Water Source (2 September)



Murrumbidgee resource distribution 2024/25 – 2 September 2024



Chances of Improvement in GS Allocations 15 Aug 2024

Repeat of Historical inflow conditions	1 Oct 2024	1 Feb 2025
99%	33%	33%
75%	33%	33%
50%	40%*	47%*
25%	44%*	74%*

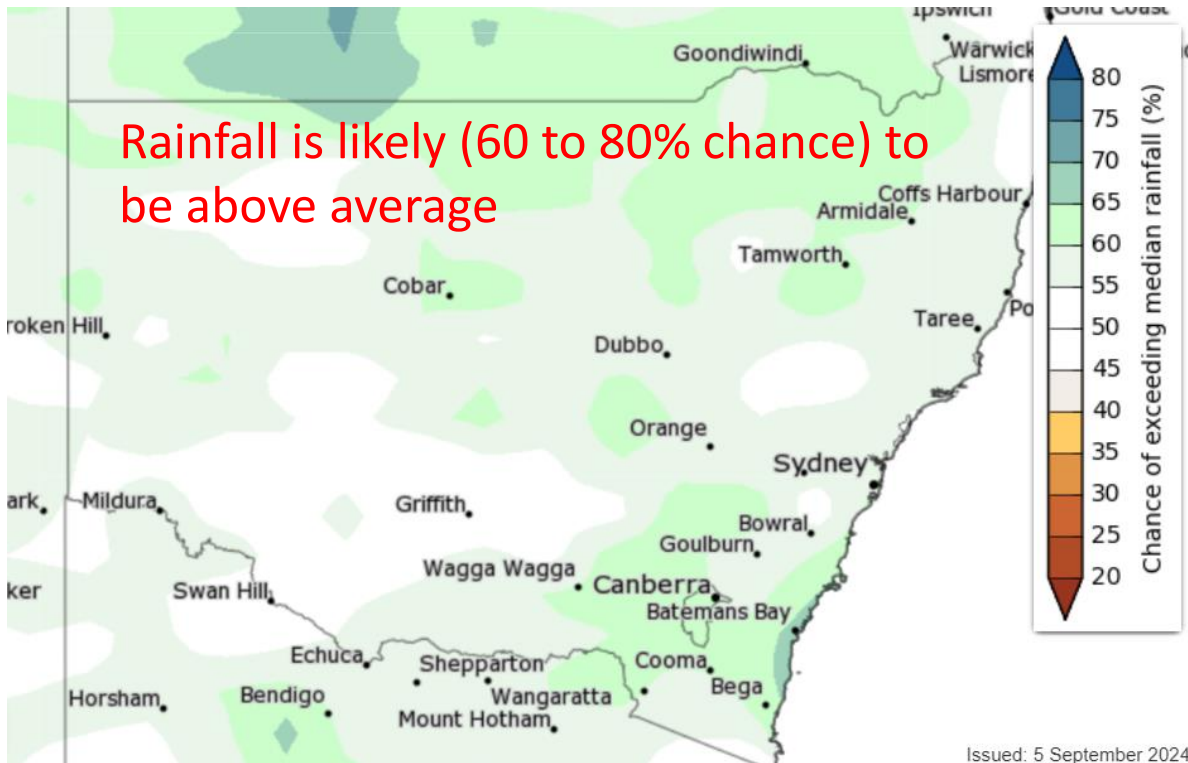
Chances of Improvement in GS Allocations 15 Aug

Exceedance	Water Year 2024/25												Allocation on 1 Oct
	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	
99 chances in 100 (extreme) (99%)			99%	99%	99%	99%	99%	99%	99%	99%	99%	99%	33%
3 chances in 4 (dry) (75%)			75%	99%	99%	99%	99%	99%	99%	99%	99%	99%	33%
1 chance in 2 (median) (50%)			50%	99%	99%	99%	99%	99%	99%	99%	99%	99%	40%
1 chance in 4 (wet) (25%)			25%	99%	99%	99%	99%	99%	99%	99%	99%	99%	44%
Exceedance	Water Year 2024/25												Allocation on 1 Feb
	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	
99 chances in 100 (extreme) (99%)			99%	99%	99%	99%	99%	99%	99%	99%	99%	99%	33%
3 chances in 4 (dry) (75%)			75%	75%	75%	75%	75%	99%	99%	99%	99%	99%	47%
1 chance in 2 (median) (50%)			50%	50%	50%	50%	50%	99%	99%	99%	99%	99%	47%
1 chance in 4 (wet) (25%)			25%	25%	25%	25%	25%	99%	99%	99%	99%	99%	74%

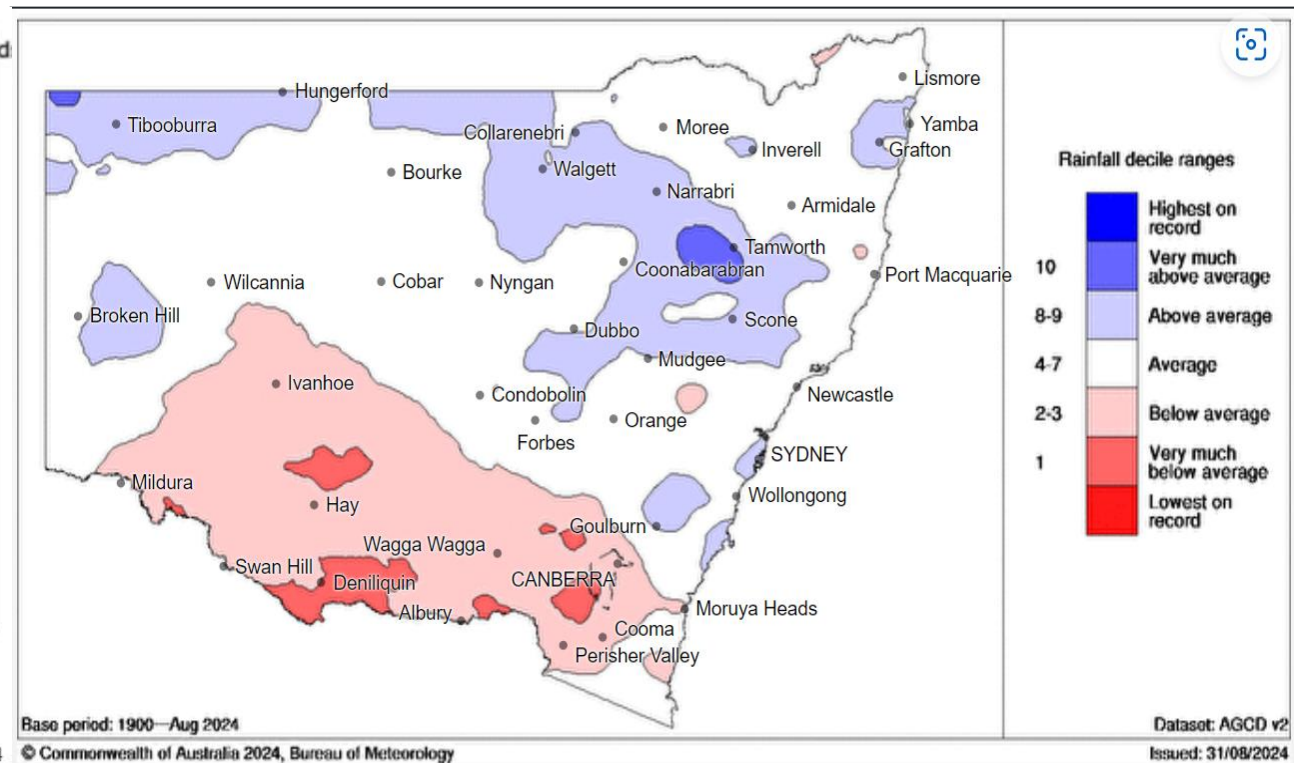
Climate Outlook

Rainfall

3 months-(September to November 2024)



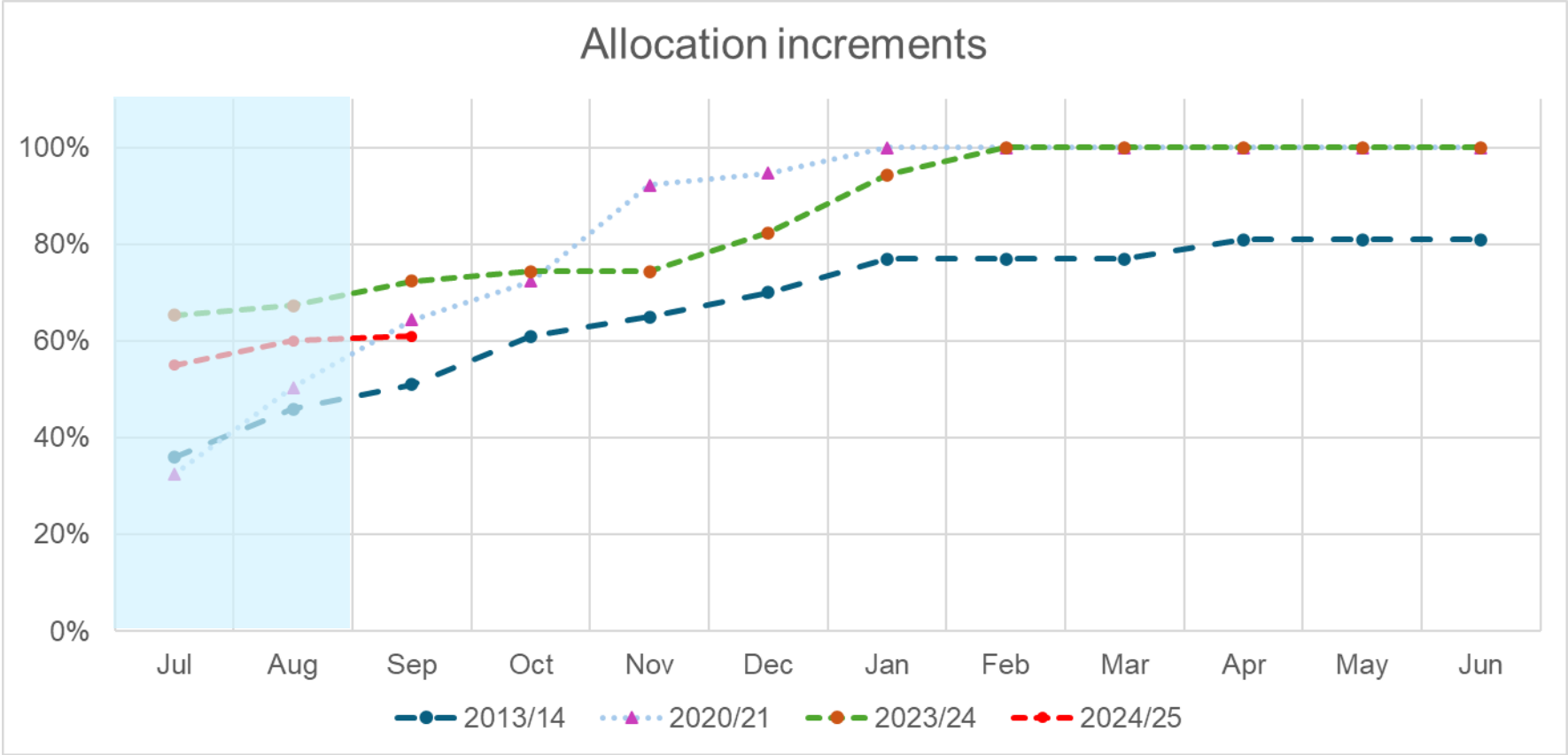
3 months- (June to August 2024)



Storage and GS allocation report (2012-2024)

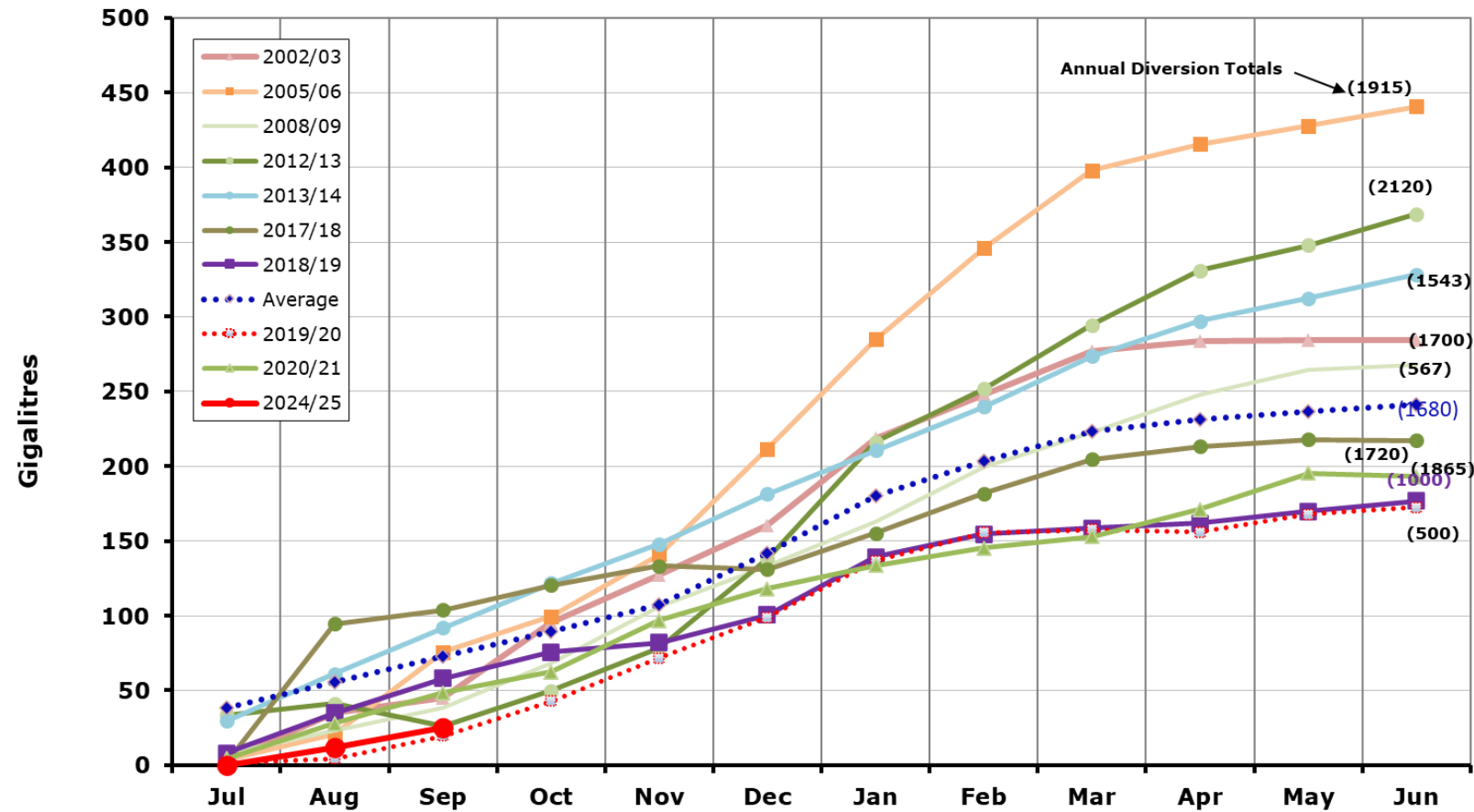
Date	Burrinjuck storage (GL)	Blowering storage (GL)	Total storage volume (GL)	Allocation at 1 Sep	Allocation at End of water year
01-Sep-12	1017	1595	2612	91%	100%
01-Sep-13	523	1477	2000	46%	81%
01-Sep-14	824	1172	1996	56%	79%
01-Sep-15	728	755	1483	50%	60%
01-Sep-16	913	1352	2265	74%	100%
01-Sep-17	602	1358	1960	56%	72%
01-Sep-18	423	1278	1701	27%	28%
01-Sep-19	336	887	1223	14%	19%
01-Sep-20	845	1232	2078	62%	100%
01-Sep-21	948	1527	2475	74%	100%
01-Sep-22	897	1585	2482	74%	100%
01-Sep-23	1009	1485	2494	67%	100%
02-Sep-24	839	1368	2206	61%	??

Allocation +CO –similar years



Water year	Total Dam vol 1 Sep (GL)
2013/14	2000
2020/21	2078
2023/24	2494
2024/25	2206

Main river transmission losses



Murrumbidgee IVT

Inter Valley trade (IVT)

Trade out of Murrumbidgee is closed, and trade into Murrumbidgee is open. The carryover balance is a liability in the Murrumbidgee resources assessment.

Interstate Trade

Currently, there is no temporary restriction on interstate water trades (clause 71V of the Water Management Act 2000) into the NSW Murray, Lower Darling and Murrumbidgee regulated river water sources from other states.

This information was current as at 9:00am on 02 September 2024

Murrumbidgee IVT Account Balance: 95.3GL*

Allocation Assignments

CLOSED 

Murrumbidgee to Murray - Closed

There is capacity for 4.7GL to be transferred out of the Murrumbidgee valley.

OPEN 

Murray to Murrumbidgee - Open

There is capacity for 95.3GL to be transferred into the Murrumbidgee valley.

**Account balance is calculated using volume of allocation assignments received up until 2:00 pm and approved on the preceding work day plus stream flows as at 6:00 am on the day information is updated.*

Other Information



The department publishes water allocation statements on assessments.

They mainly target regulated systems and provide the latest water availability and outlooks, and current allocations:

1. Water allocation statements:

[Water allocation statements / NSW Government Water](#)

2. Water allocation guides:

[Resource assessment process / NSW Government Water](#)

Our work


Allocations and availability	^
Allocations	^
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Available water determinations	
Outlook, forecasts and status updates	
Frequently asked questions – State-wide opening water allocations	

2024

Date and time	Water source
02/09/2024	NSW Murray and Lower Darling (PDF, 409.8 KB)
02/09/2024	Murrumbidgee Valley (PDF, 281.1 KB)
29/08/2024	Hunter Valley (PDF, 272.3 KB)
21/08/2024	NSW Border Rivers (PDF, 332.9 KB)
20/08/2024	Belubula Valley (PDF, 208.7 KB)

Department of Climate Change, Energy, the Environment and Water

Water Allocation Statement



2 September 2024

Murrumbidgee Regulated River Water Source

Water allocation update

General security (GS) access licenses in the Murrumbidgee regulated river water source have received **an allocation increase of 1% of entitlement**. The increment brings the cumulative GS allocation this water year to 34%. Incorporating average carryover of 27%, the total water available in 2024/25 to date is 61%.

The resource improvement underpinning the allocation increase announced today has been from a combination of higher than assumed minimum storage and tributary inflows.

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

Current allocations

2 September 2024	Allocation Increment	Account Balance
General Security	1%	1,122 GL



Thank You

Any feedback **Monthly vs Fortnight allocation statements**
water.allocations@dpie.nsw.gov.au

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