

Water Resource Update and Seasonal Outlook

Scott Smith
Storage Manager



System Performance

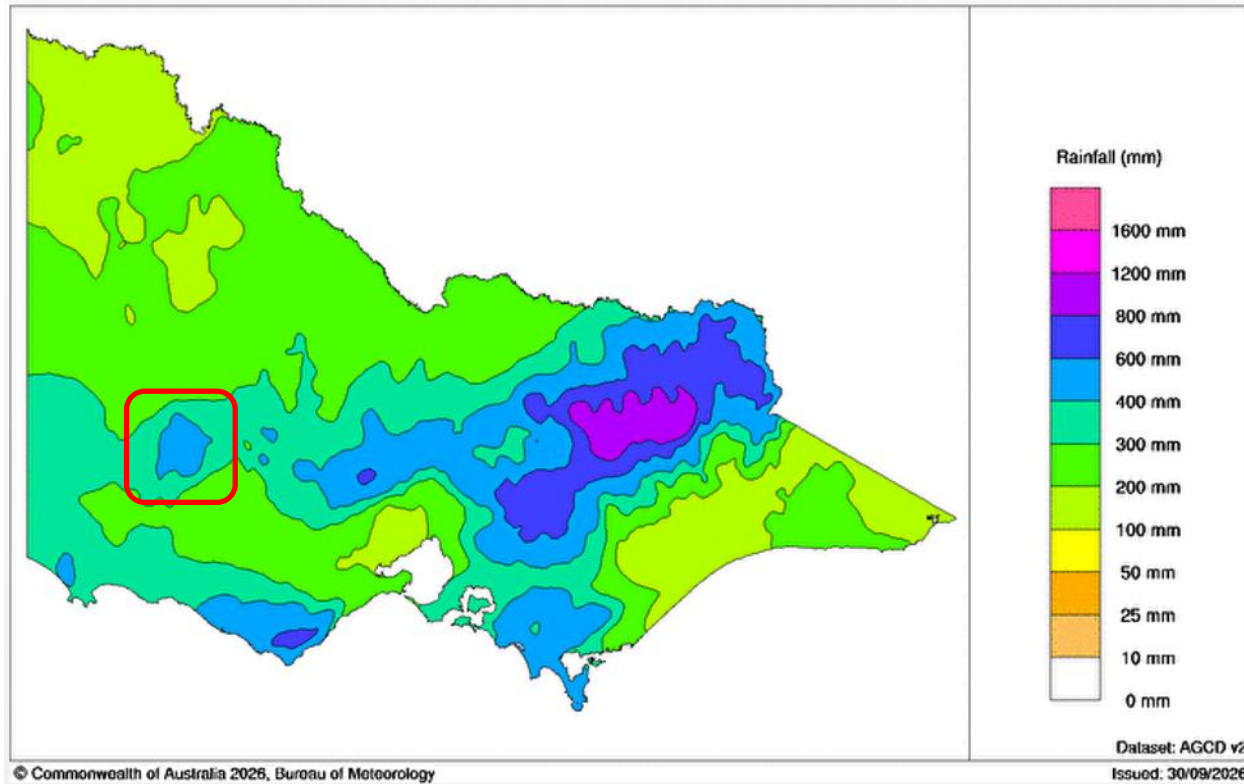


System Rainfall

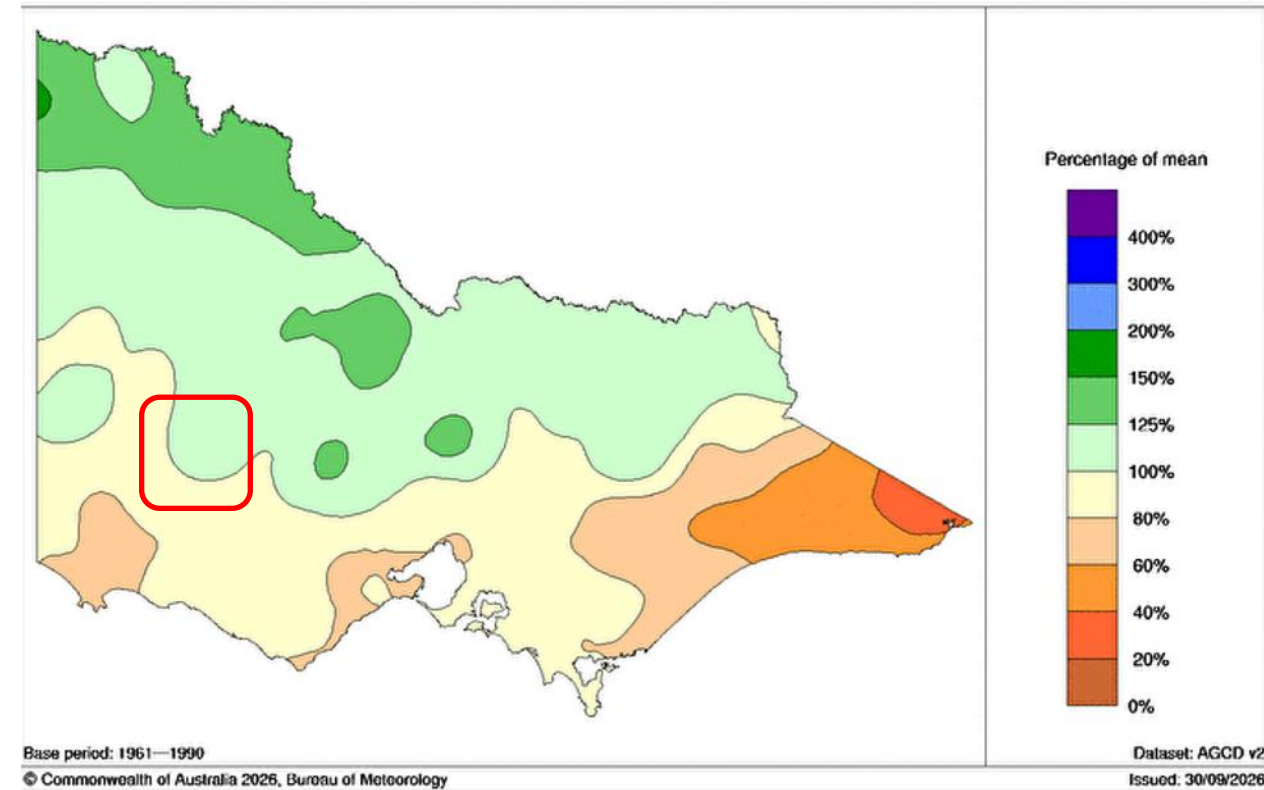


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Five-monthly rainfall totals for Victoria 01/05/2026 – 30/09/2026



Five-monthly rainfall percentages for Victoria 01/05/2026 – 30/09/2026

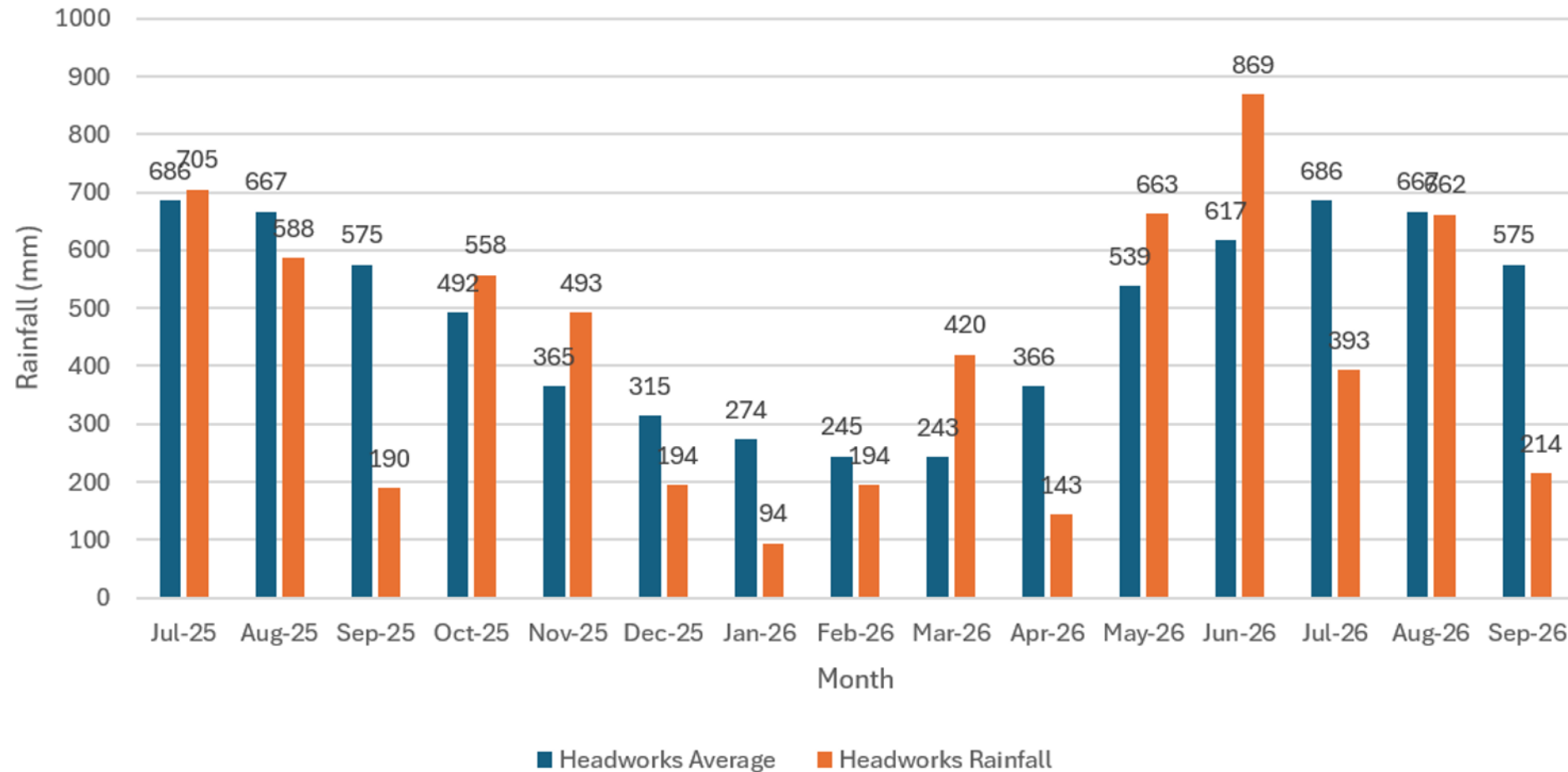




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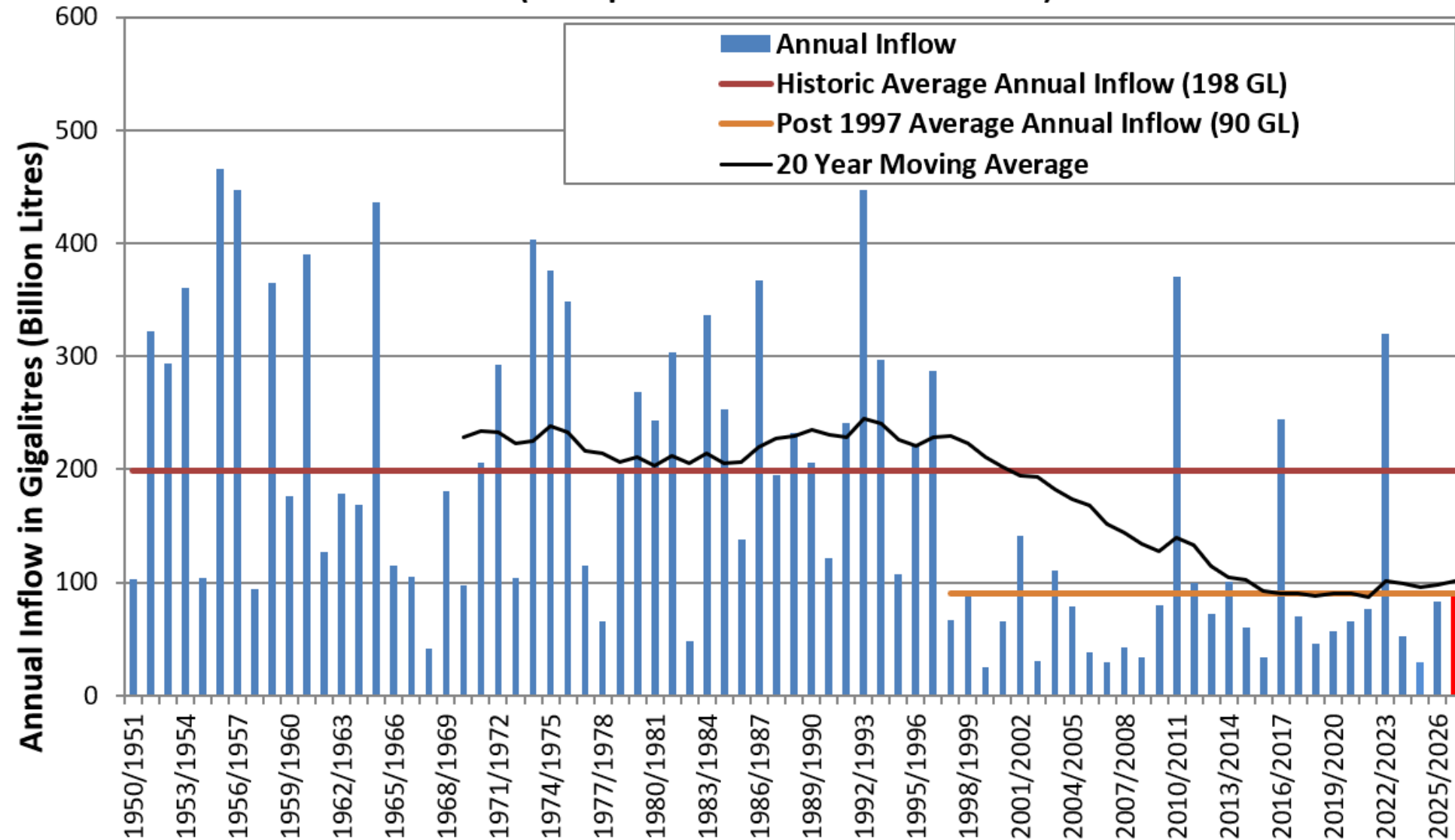
Combined Headworks Rainfall Compared to Historic Average



2026/27 Water Year Inflow

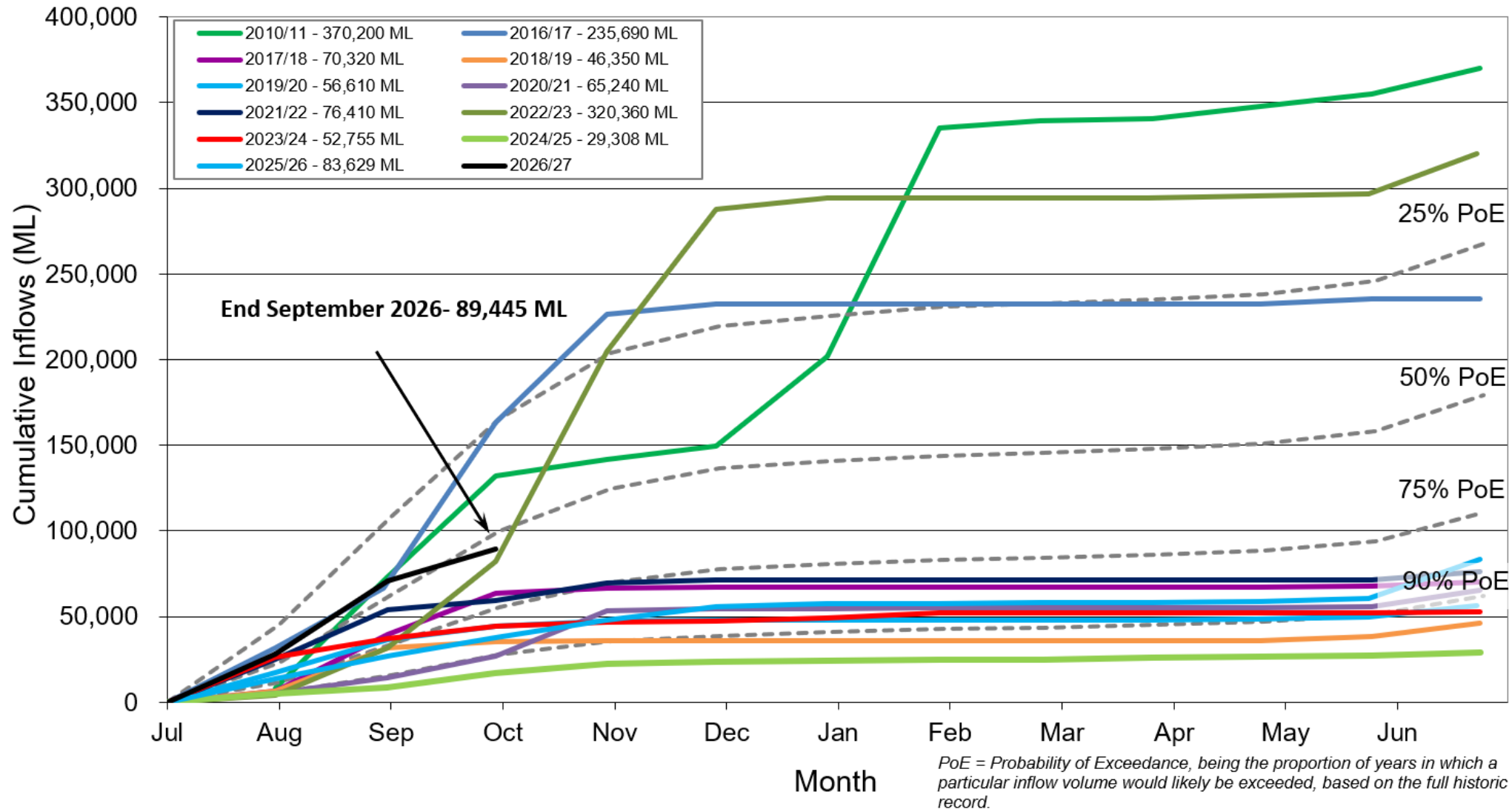
- **89,445 ML excl. Taylors Lake**
 - 73% of historic average inflow (July and September).
 - Heavily supported by above average rainfall in May and June 2026.
 - Rocklands Reservoir has received the highest inflow total this water year (36,130 or 36%), followed by Lake Lonsdale (21,108 ML or 21%) and Lake Bellfield (15,696 ML or 16%).

Inflow to Headworks Storages (Data presented from 1950 to 2025)



Note: Inflow data excludes Taylors Lake and Toolondo Reservoir.

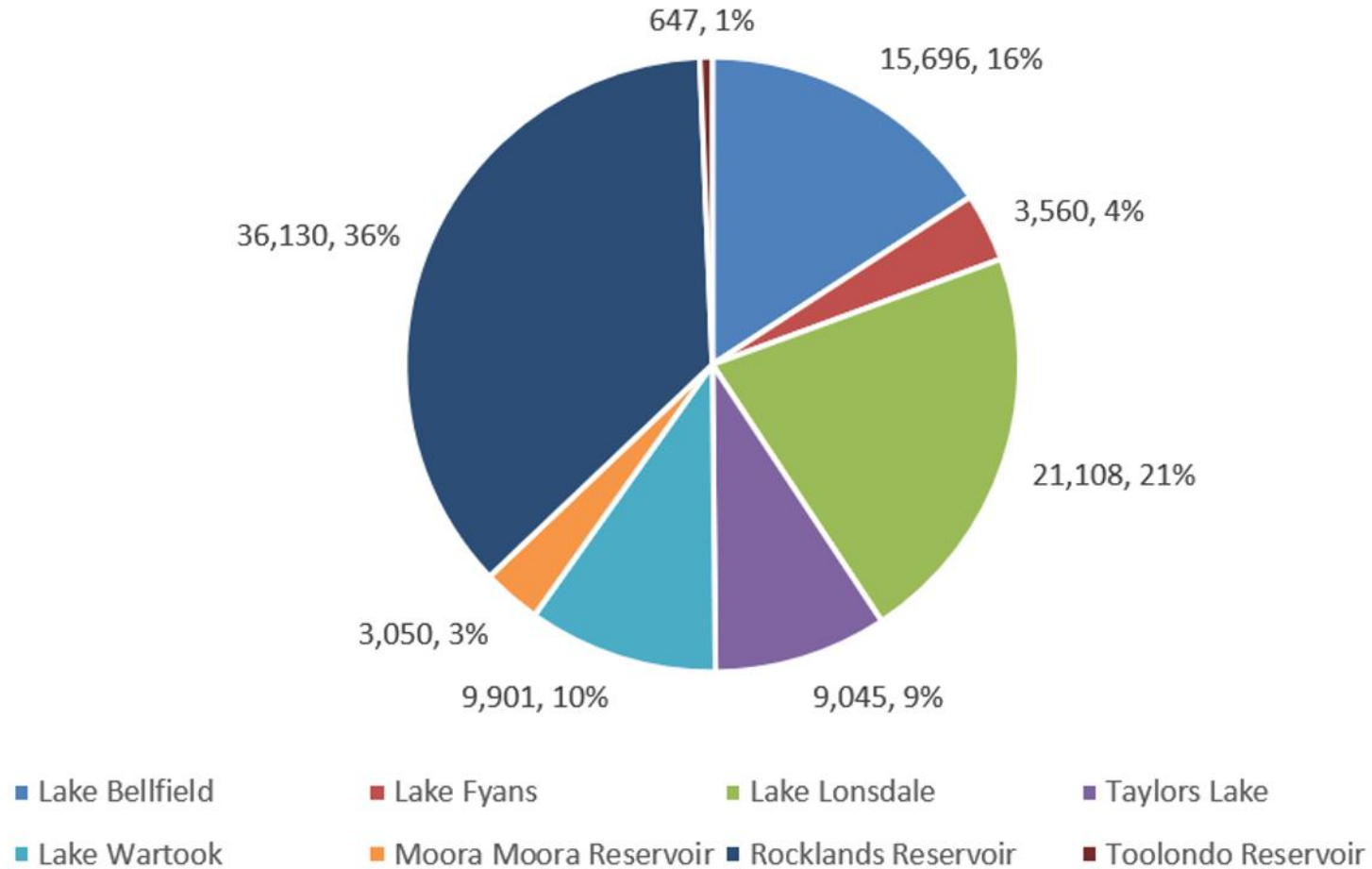
Cumulative Natural Inflows to Water Storages (excluding Lower Headworks)





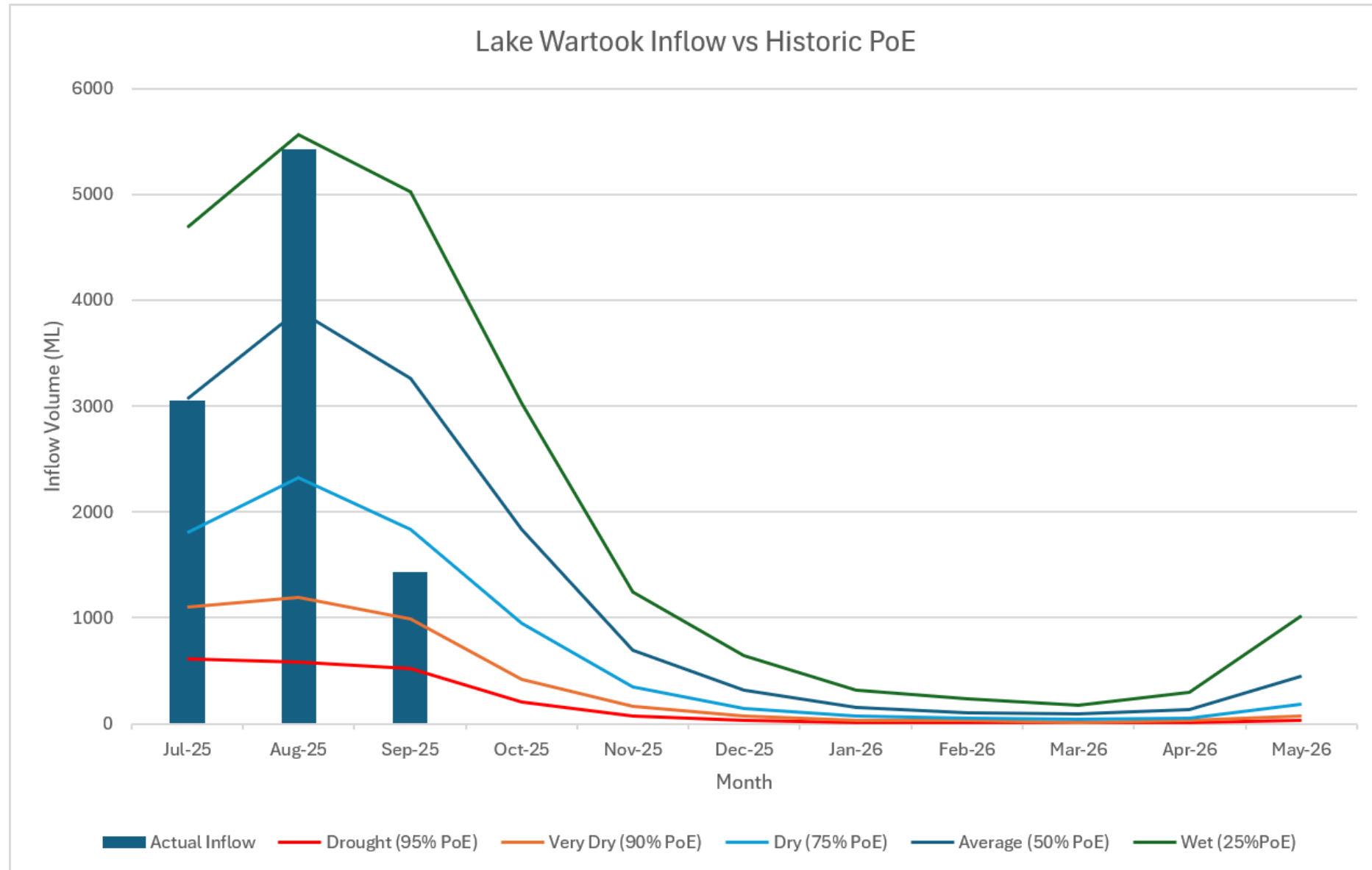
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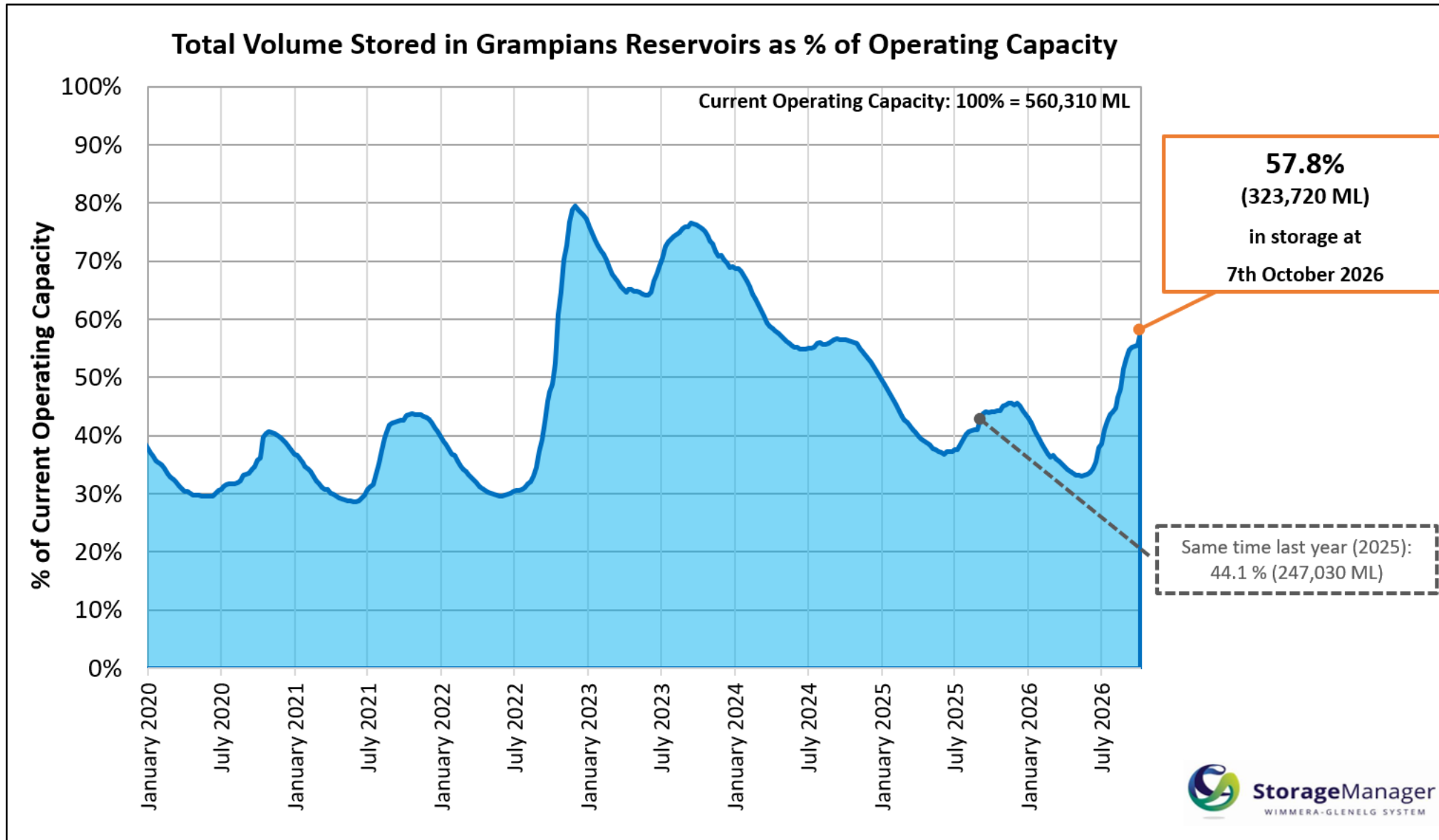
2026/27 Storage Inflow





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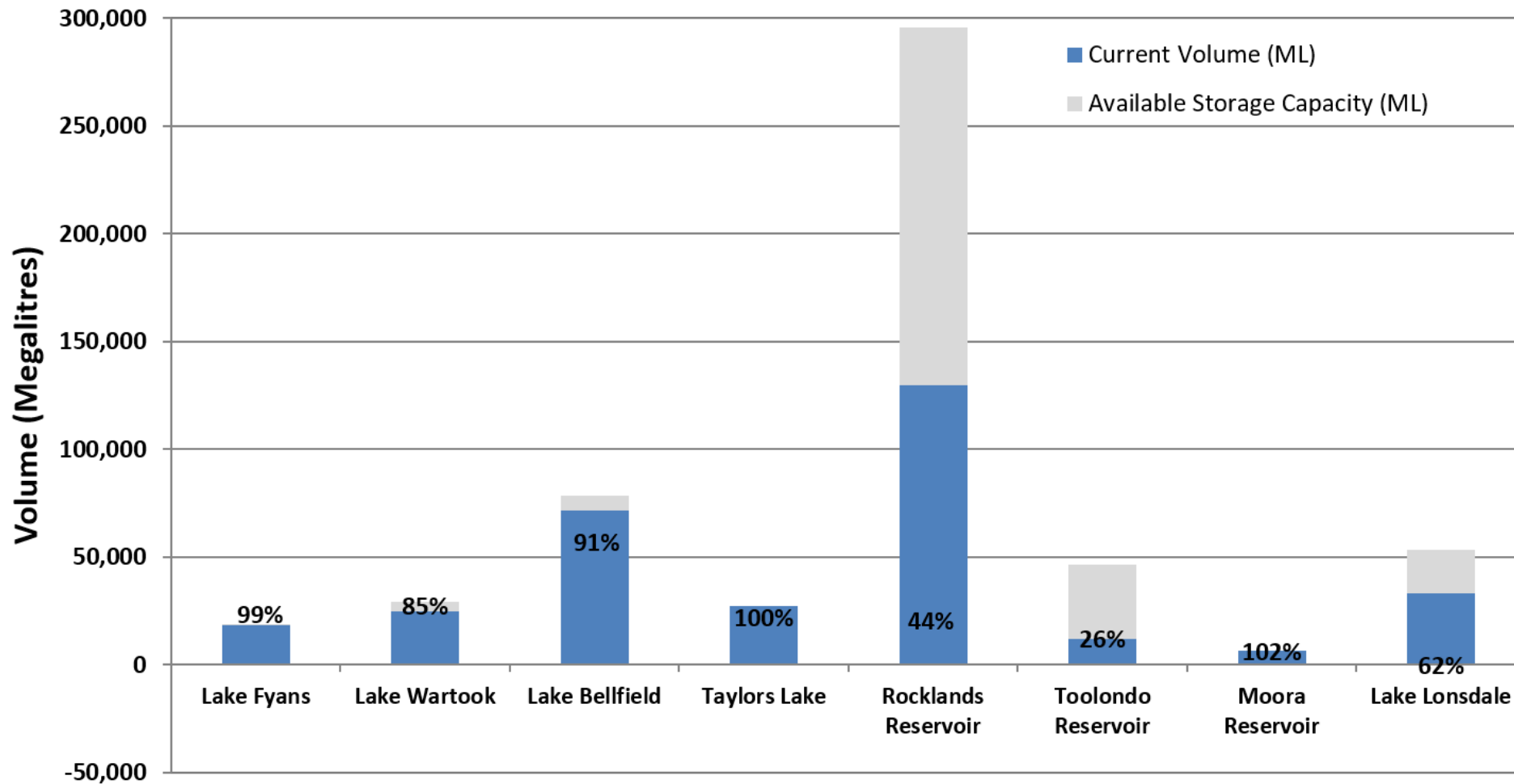






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Current Volume and Percentage held in Headworks Storages



Allocations and Resource Availability



Allocations – 4th September 2026



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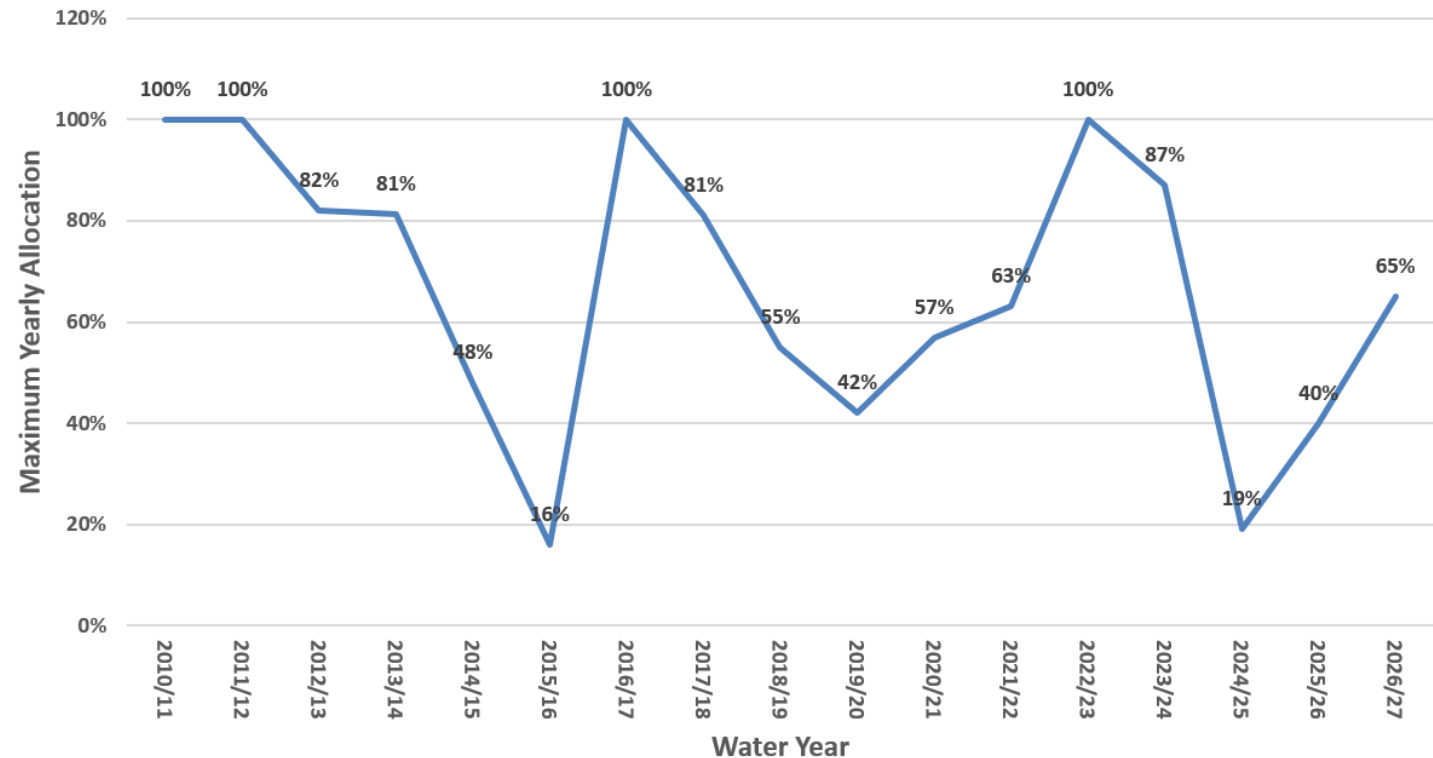
Seasonal Allocation for September 2026

	Entitlement (Megalitres)	Announced Allocation	Volume Available (Megalitres)
Grampians Wimmera Mallee Water			
Commonwealth Environmental Water Office	28,000	0.0%	2,135
Glenelg Compensation Flow	3,300	9.0%	2,308
Recreation	3,090	7.0%	369
Wimmera Mallee Pipeline Product	44,720	65.0%	87,851
Coliban Water			
Wimmera Mallee Pipeline Product	300	65.0%	428
Wannon Water			
Wimmera Mallee Pipeline Product	2,120	65.0%	6,663
Victorian Environmental Water Holder			
Wimmera Mallee Pipeline Product	40,560	65.0%	62,501
Wetlands	1,000	8.0%	491

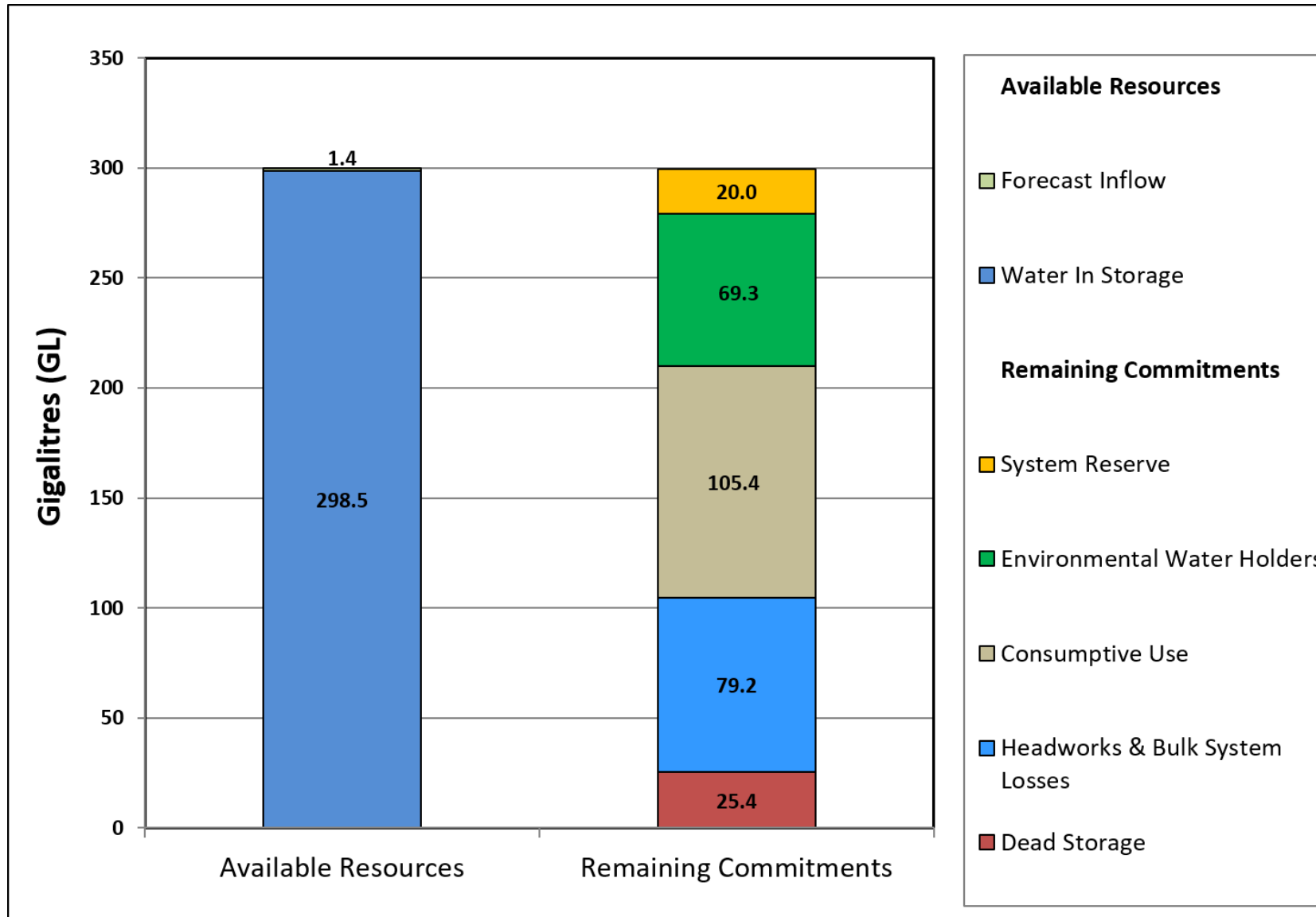
Notes to this Table

This table presents the announced allocations for Wimmera-Glenelg system entitlements for the month shown on the table. The volumetric allocation is equivalent to the Entitlement (Megalitres) multiplied by the Announced Allocation percentage.

Wimmera - Glenelg Post Pipeline Allocations



Resources & Commitments (4th Sep 2026)



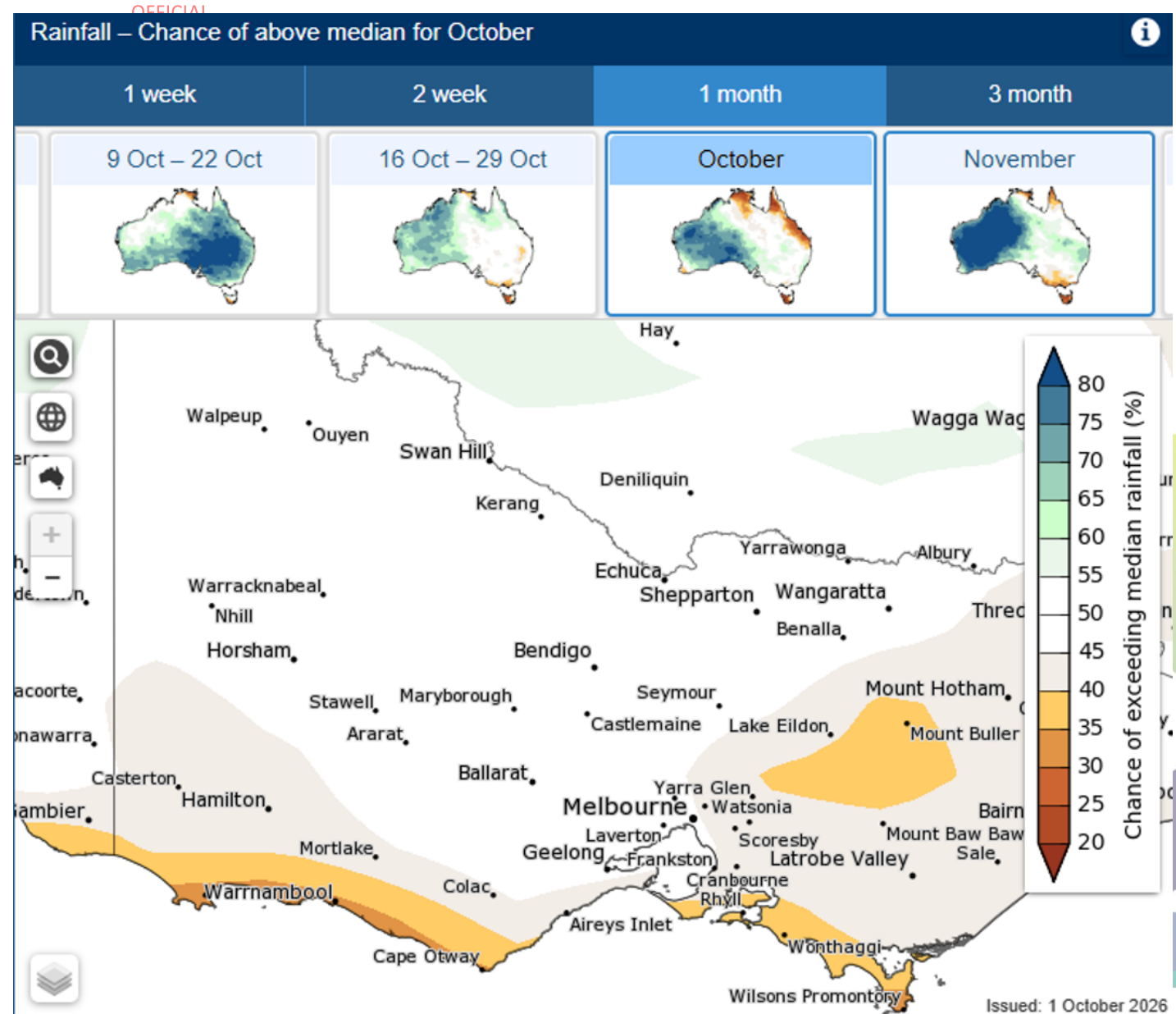
Climate Outlook



Rainfall Outlook

October 2026

50% chance of exceeding median rainfall across the Wimmera – Glenelg Headworks System



Courtesy of Bureau of Meteorology

El Niño / La Niña (ENSO) Outlook

- Bureau of Meteorology indicates ENSO is nearing record El Niño levels and is expected to intensify further over spring.

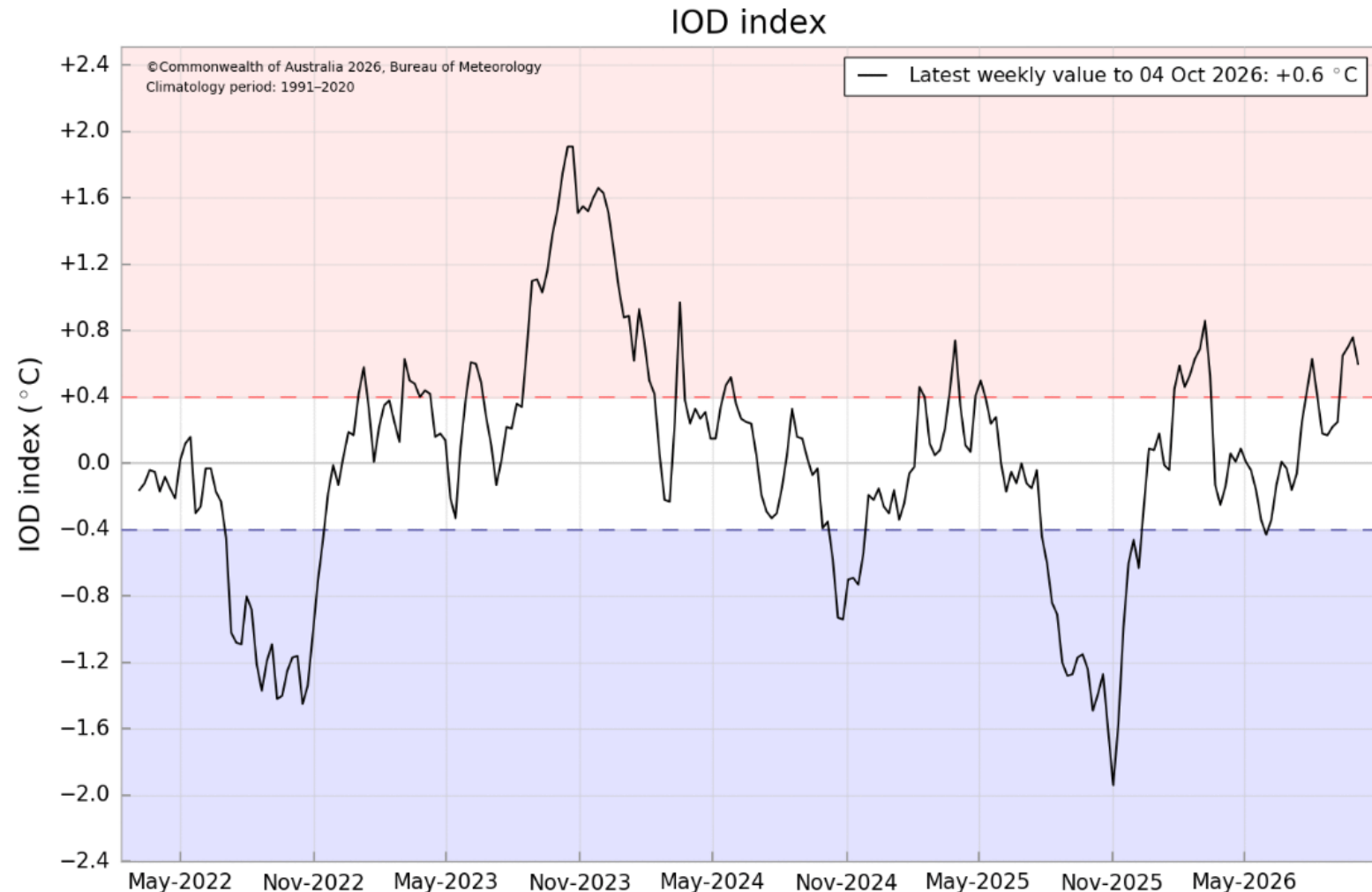




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Indian Ocean Dipole (IOD) Outlook

- Indian Ocean Dipole (IOD) is neutral. However, the value on 27th September is the third consecutive positive value.
- Modelling indicates that a positive IOD is expected to develop in spring and persist into early summer.



Storage Manager Operations



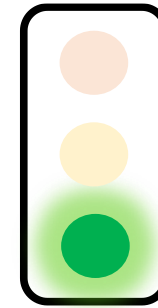
Storage Manager Operations



- Strong catchment flows have continued throughout winter, with significant flow events experienced in all major and minor tributaries.
- Water harvesting activities were successful in filling Taylors Lake and Lake Fyans, avoiding the need to transfer water from other storages.
- Taylors Lake reached its target filling curve in September, which allowed natural catchment flow in the MacKenzie River / Burnt Creek to be directed towards Green Lake.
- Allocations are expected to increase with further inflow to storages.
- Opportunistic harvesting will continue across the catchment while unregulated flows persist. These opportunities are expected to decrease moving forward as flows reduce with warmer weather and storages reach their full supply levels.

Water Security Outlook for GWMWater

Scott Smith
Manager Water Resources

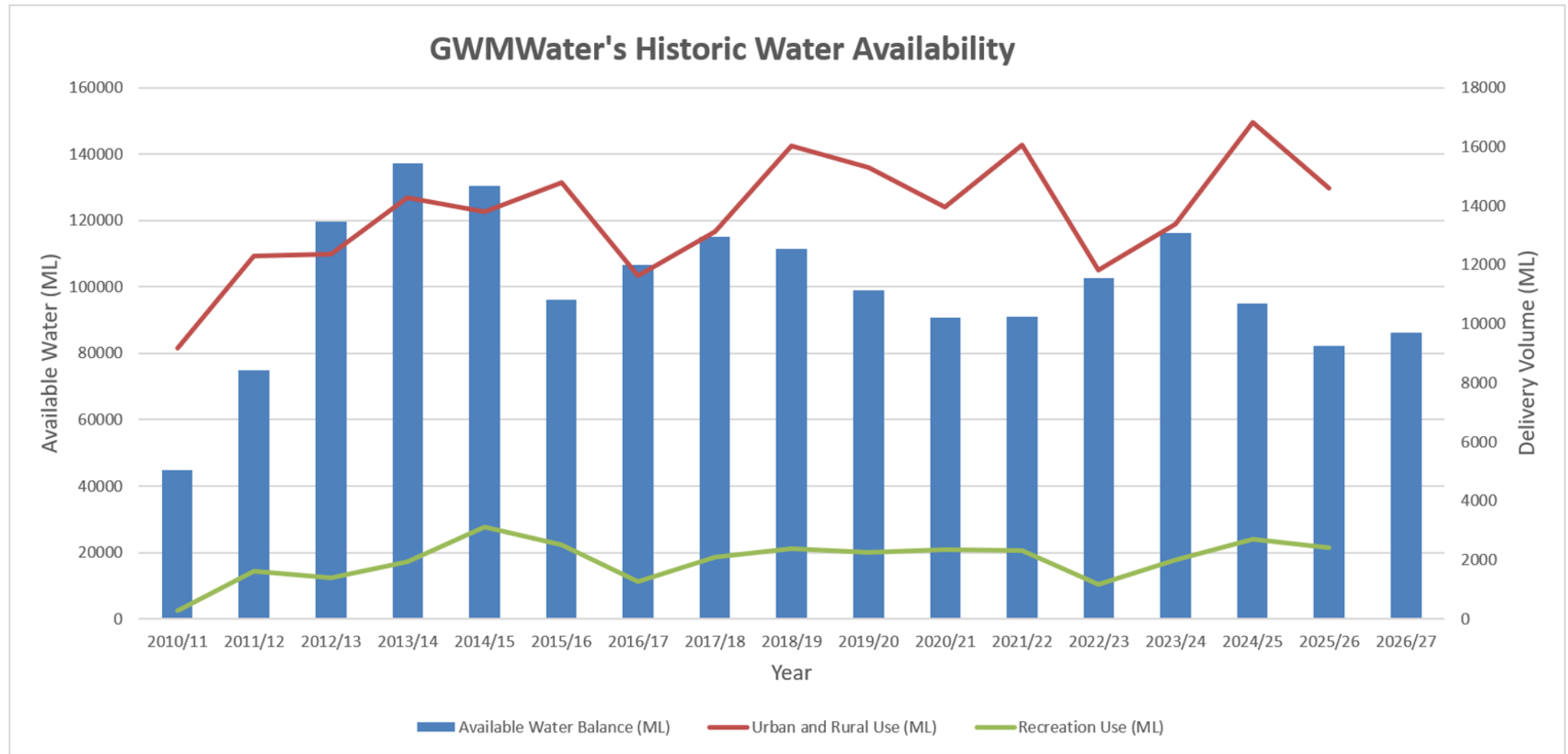


All Systems

Status: General Monitoring

- Sufficient volumes are currently available from Grampians Storages (Lake Bellfield and Lake Wartook).
- Low demand has been experienced so far this year from urban centres and across WMP supply systems.
- Allocations are increasing on the Murray (75%) and Goulburn (57%) Systems.
- No groundwater resource issues expected (Edenhope remains under increased monitoring).
- High security of supply in both the Elmhurst and Buangor systems.
- East Grampians system has experienced a significant increase in water security with its connection to the East Grampians Pipeline (Lake Fyans).

GWMWater Available Water – 2010 to 2026



Questions



Wimmera – Glenelg Headworks System Model Update



Moving from REALM to Source



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MODELLING PLATFORM

Aspect	Source	REALM
Timestep	Daily	Monthly
Ordering algorithm	Rule-based	Network linear programming
Status	Current; in collaboration with DEECA	Retired in 2022
GWMW use	Adopted in 2026 for all modelling work	URWS 2022 Operations Review 2019
Data extension	Updated in 2019; refined in 2022	Devised in 2012
Hydroclimate inputs	2025 Guidelines	2020 Guidelines

CLIMATE ASSUMPTIONS

Aspect	2025 Climate Guidelines	2020 Climate Guidelines
Climate model	CMIP6 120 GCMs	CMIP5 42 GCMs
Emissions	SSP2-4.5 SSP3-7.0	RCP8.5 RCP4.5
Climate impact	Three impact scenarios from one reference dataset Low, medium and high impact Post-1975 scaling, plus post-1997 catchment shift where statistical tests support it	Wider scenario spread Post-1997 scenario Post-1975 low, medium and high impact

 In 2026, GWMW adopted Source for all modelling work.

Total Catchment Inflows

Average annual inflow by climate scenario

40%
less inflow than historic

Inflows projected to continue declining

177 GL/yr → 136 GL/yr

2075 median scenario retains 46% of historic inflow.

Historic climate · 100%

294 GL

Present climate · 60%

177 GL

2050 medium · 50%

148 GL

2075 medium · 46%

136 GL

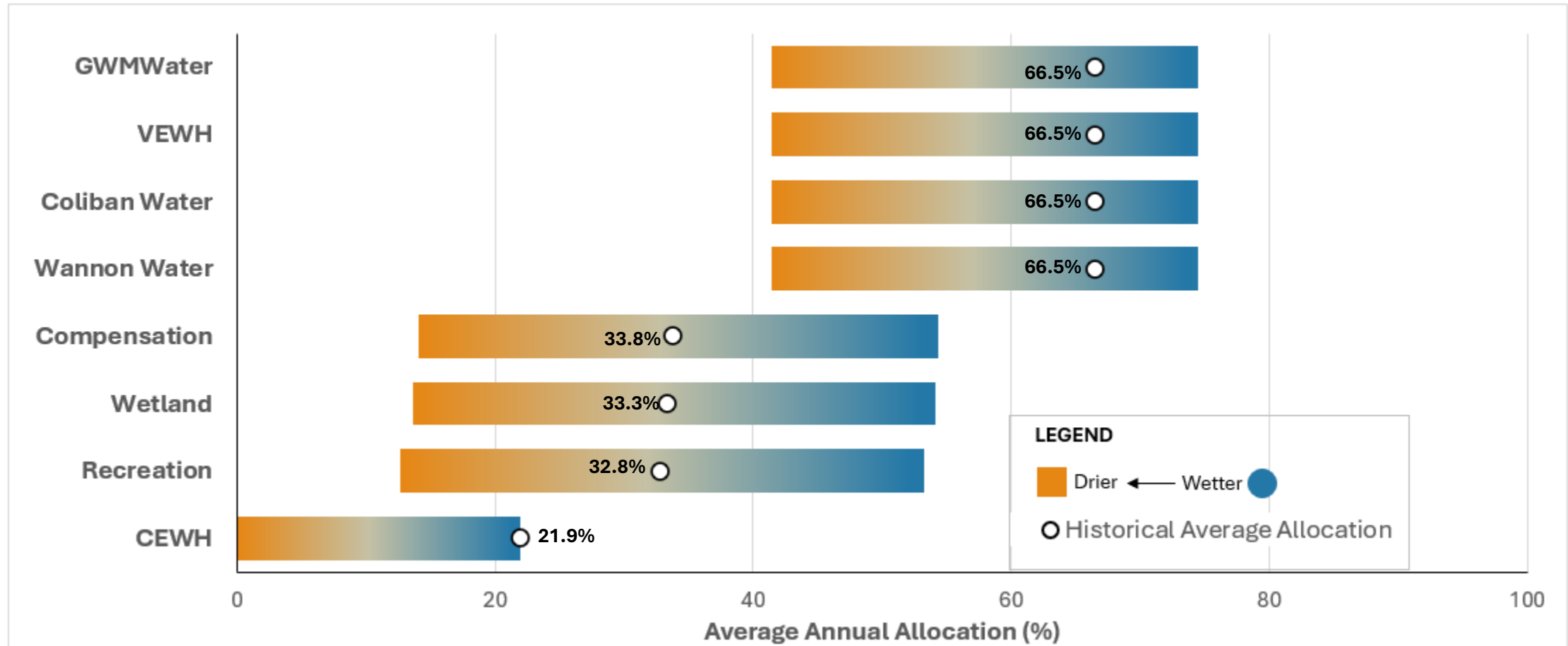
2050 and 2075 are medium-impact scenarios; percentages use historic climate as the baseline.

Drier projections reduce average allocation



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Bars run from 2075 high-impact (drier) on the left to present climate low-impact (wetter) on the right.



Drier projections raise allocation and reliability risk

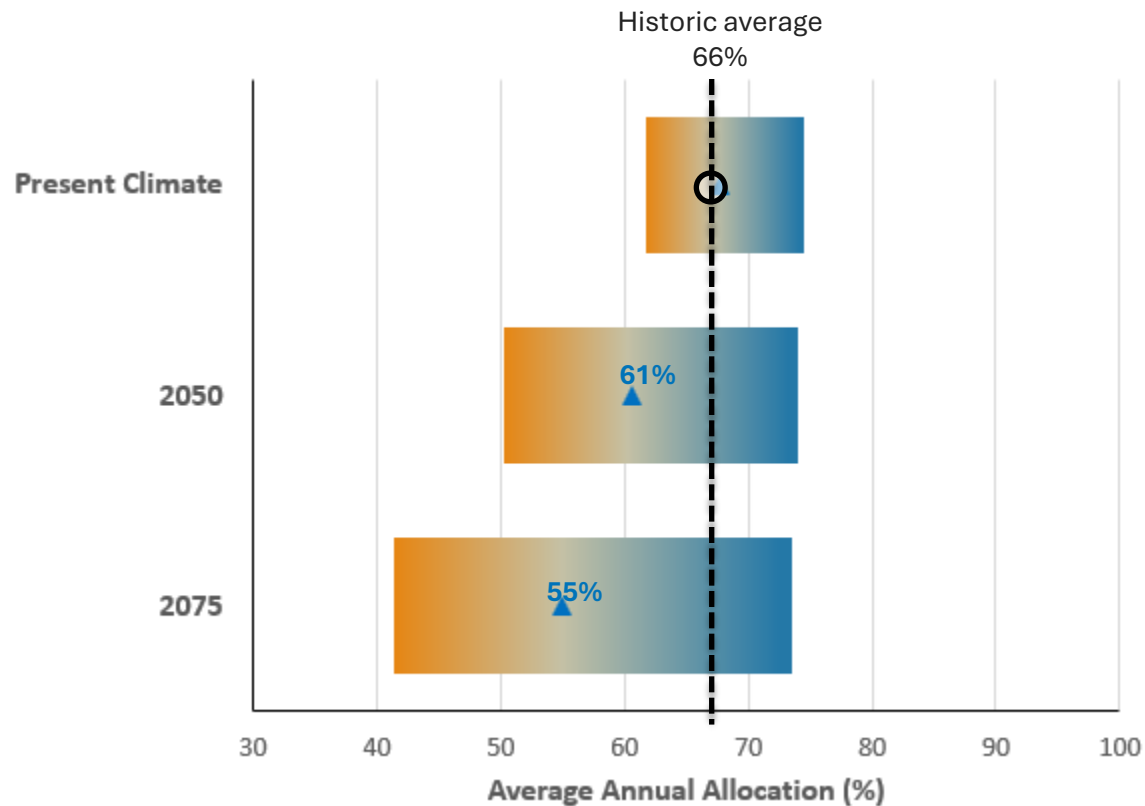


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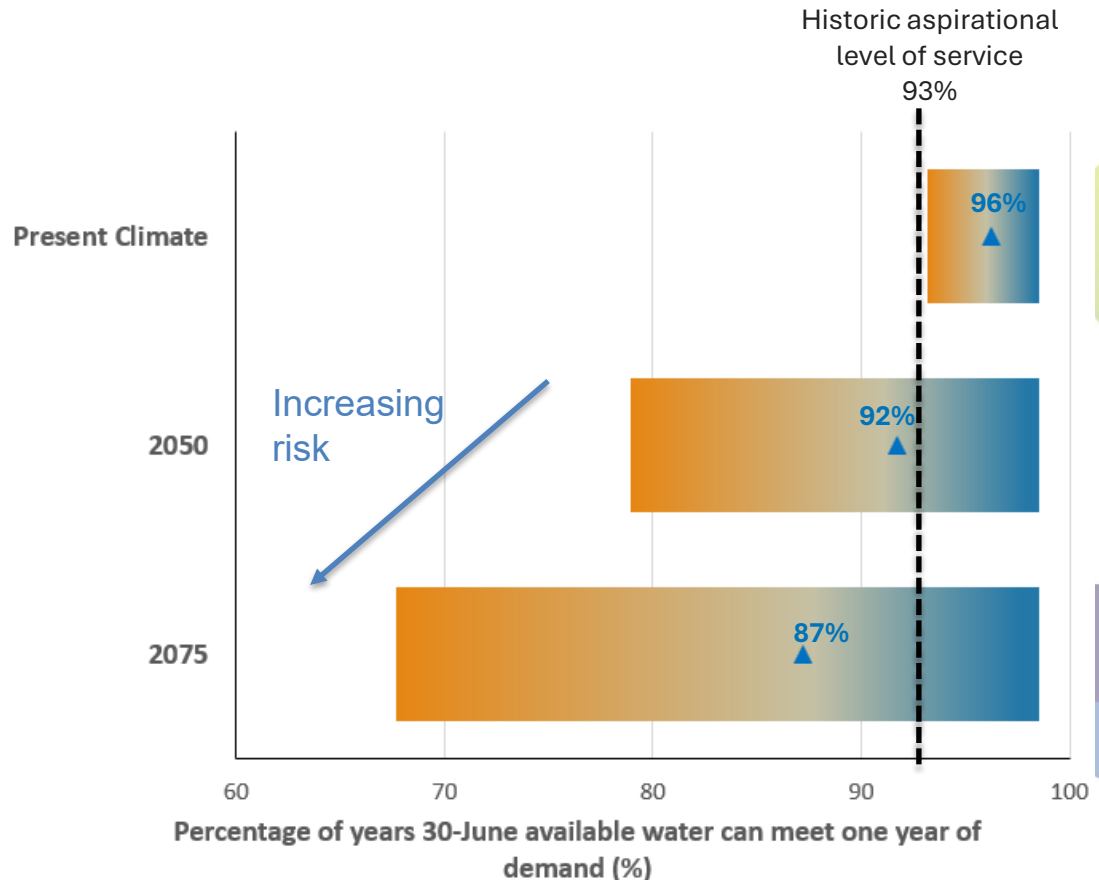
Entitlement under 2050 and 2075 climate projections, compared with present climate

Drier / higher impact ← projection range → wetter / lower impact ▲ medium-impact outcome

AVERAGE ANNUAL ALLOCATION



SUPPLY RELIABILITY



Questions



GWMWater