

Seasonal Outlook and Determination

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1 May 2024

A4920623

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Seasonal Determinations

System	HRWS	LRWS	Low Spill Risk
Murray	100%	100%	Declared 11/12/23
Broken	100%	100%	-
Goulburn	100%	77%	Not declared
Campaspe	100%	100%	Not declared
Loddon	100%	77%	-
Bullarook	100%	100%	-
NSW Murray	100% (HS)	110% (GS)	-
NSW Murrumbidgee	100% (HS)	100% (GS)	-

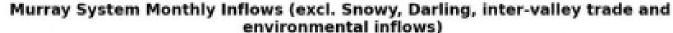
Water Ownership: Murray

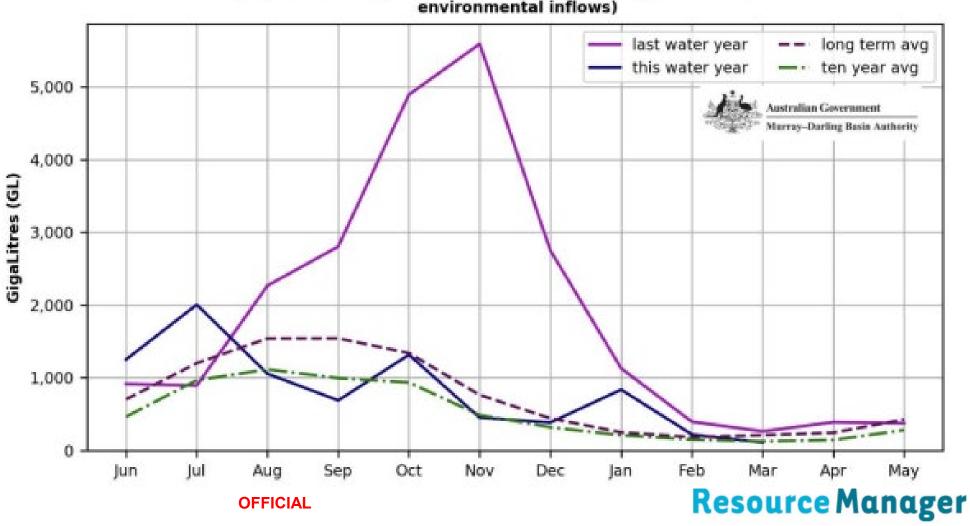
	Environment (ML)	Private (ML)	Water Corporations (ML)	Total (ML)
Available Water				
Net carryover at July 1	448,241	505,781	34,145	988,166
Seasonal allocation	651,200	1,206,434	113,712	1,971,346
Trade by buyers	286,577	1,091,107	5,850	1,383,533
Return flows	547,319	1,483	0	548,802
Quarantined in spillable accounts	0	0	0	0
Water usage	-301,510	-889,239	-23,153	-1,213,902
Trade by sellers	-1,014,500	-962,190	-60,695	-2,037,384
Write-off due to spill	-204,417	-209,112	-12,098	-425,627
Adjustments	-110,068	-35	0	-110,103
Evaporation	0	0	0	0
Write off 30 June	0	0	0	0
Available balance	302,842	744,229	57,762	1,104,832
Spillable Water				
Transferred to spillable account	252,653	272,896	15,885	541,434
Write-off due to spill	-204,417	-209,112	-12,098	-425,627
Returned to available balance	-48,236	-63,784	-3,787	-115,806
Spillable balance	0	0	0	0

Storage Volumes (GL)

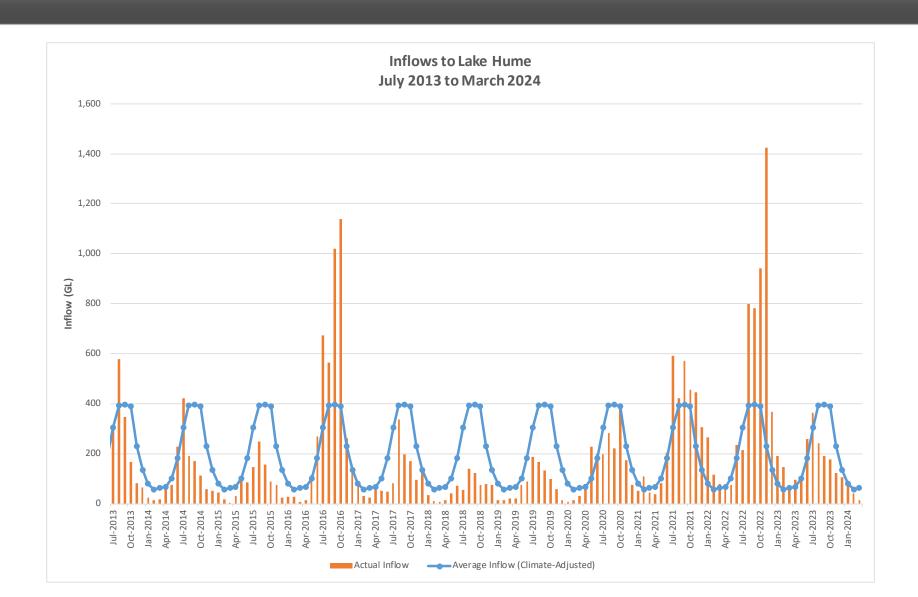
Storage	29 April	2024	29 April	2023
Dartmouth	3,635	94%	3,695	96%
Hume	1,842	61%	2,738	91%
Eildon	3,040	91%	3,114	93%
Nillahcootie	32	80%	33	82%
Eppalock	282	93%	278	91%
Cairn Curran	107	73%	125	85%
Tullaroop	62	85%	61	84%

Murray System Inflows

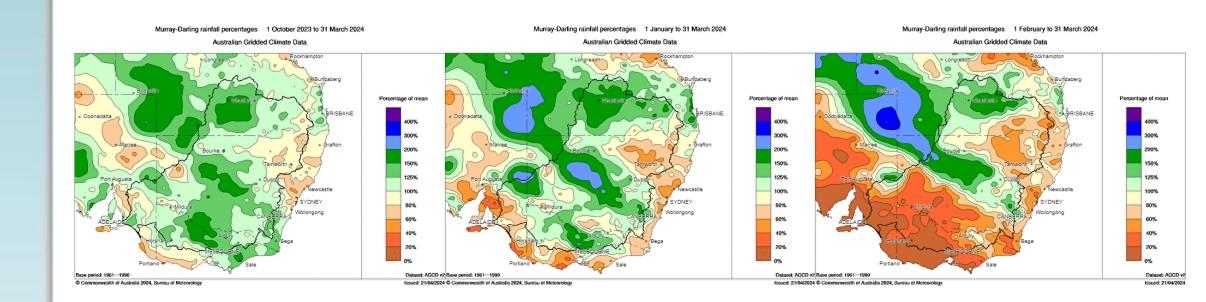




Hume Inflows

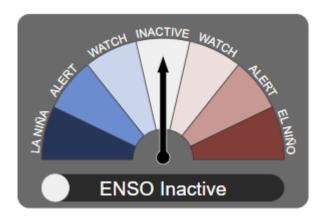


Rainfall (Previous 6, 3, & 2 months)



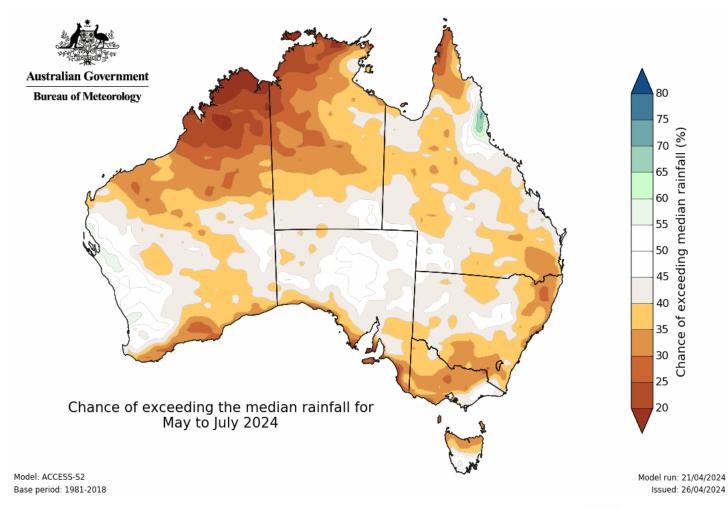
Climate Drivers

- El Niño Southern Oscillation (ENSO)
 - El Niño has ended, neutral conditions until July
 - Several models predicting La Niña after July*
- Indian Ocean Dipole (IOD)
 - Neutral
 - Positive IOD may develop



10-20% less cool season (April to October) rainfall in southern Australia in recent decades

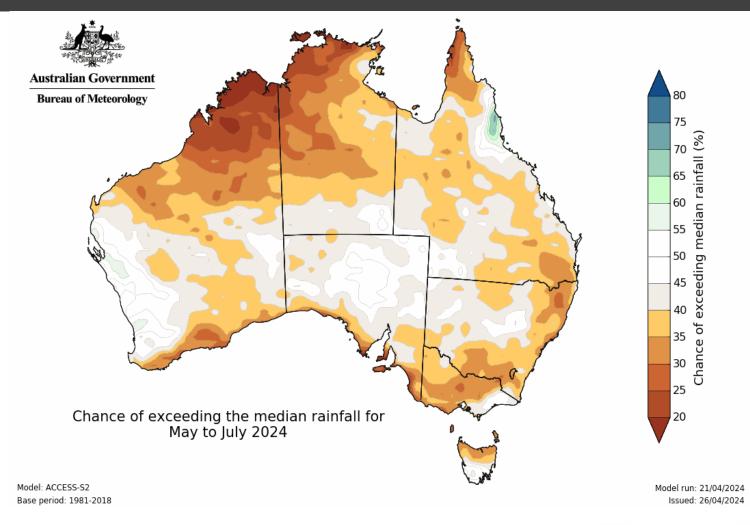
Rainfall Outlook (May-Jul 2024)



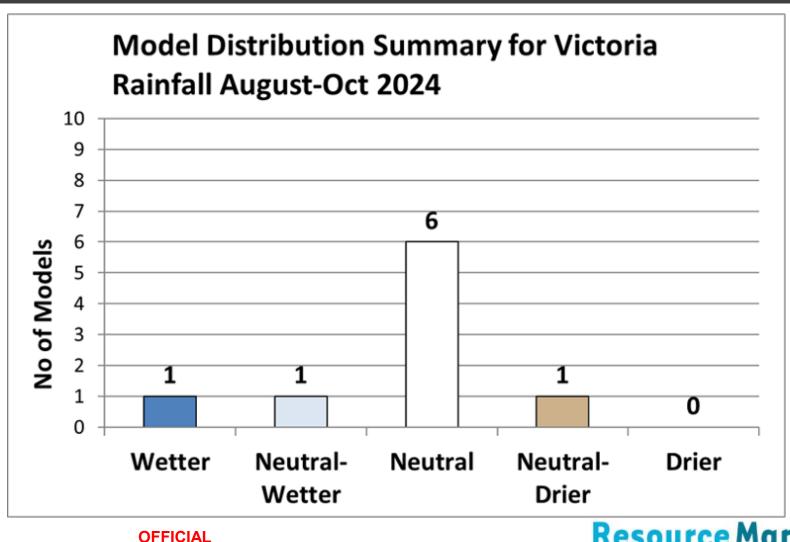
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Rainfall Outlook (Jun-Aug 2024)



Rainfall Outlook Consistency (Aug-Oct)



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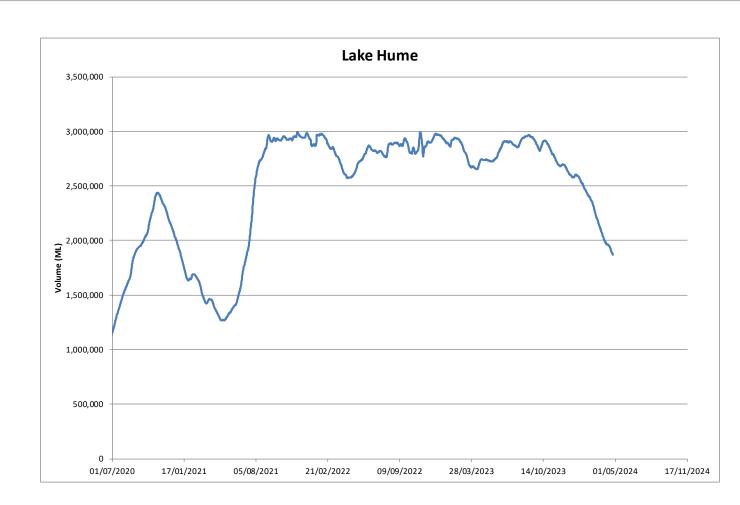
Victorian Murray HRWS Outlook 2024-25

Inflow Condition	1 Jul 2024	15 Aug 2024	15 Oct 2024	17 Feb 2025
Wet	99%	100%	100%	100%
Average	83%	97%	100%	100%
Dry	67%	71%	91%	100%
Extreme Dry	61%	61%	61%	62%

See also www.nvrm.net.au/outlooks/outlook-comparison

Murray Risk of Spill

- Murray 70% in 2024-25*
- Depends on:
 - Dartmouth
 - Menindee Lakes
 - Tar-Ru/Lake Victoria
 - Tributaries
 - Demand



Wrapping Up

- This season virtually ensures 100% HRWS in 2024-25
- Near average rainfall conditions for last 12 months to end of March 2024
 - Last six months above average
 - Last three months near average
 - Last two months below average
- Larger Hume drawdown this year may impact spill risks
- No certainty in trends for 2024-25 climate at this stage

Thank you