River Murray System Water Resource Outlook

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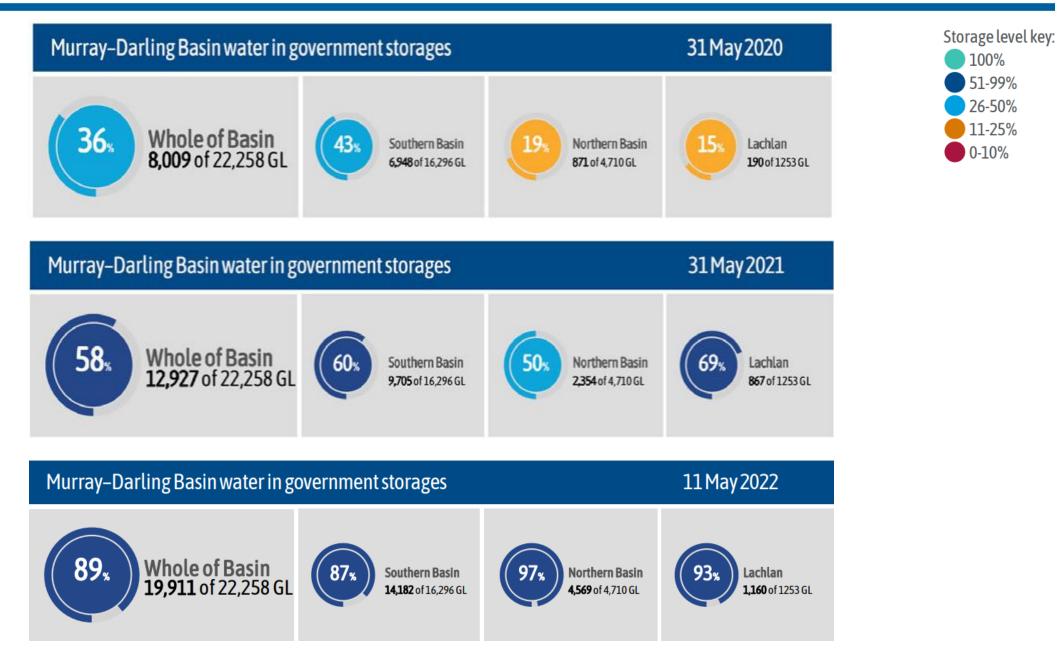




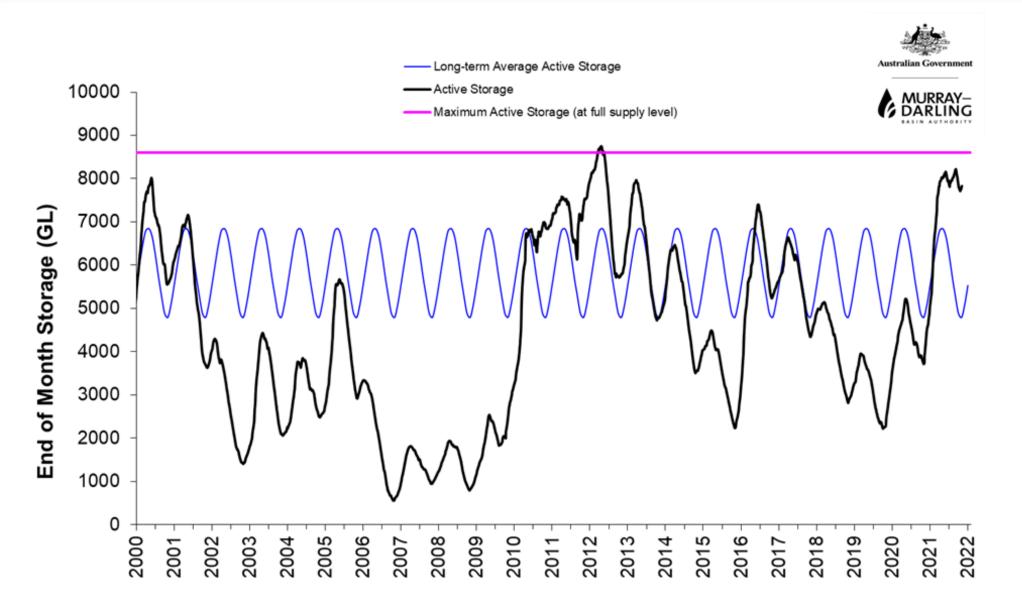
Key Messages

- Significant increase in water in storage
- Started pre-releases from Hume dam
- Forecast above average rainfall for next 3 months

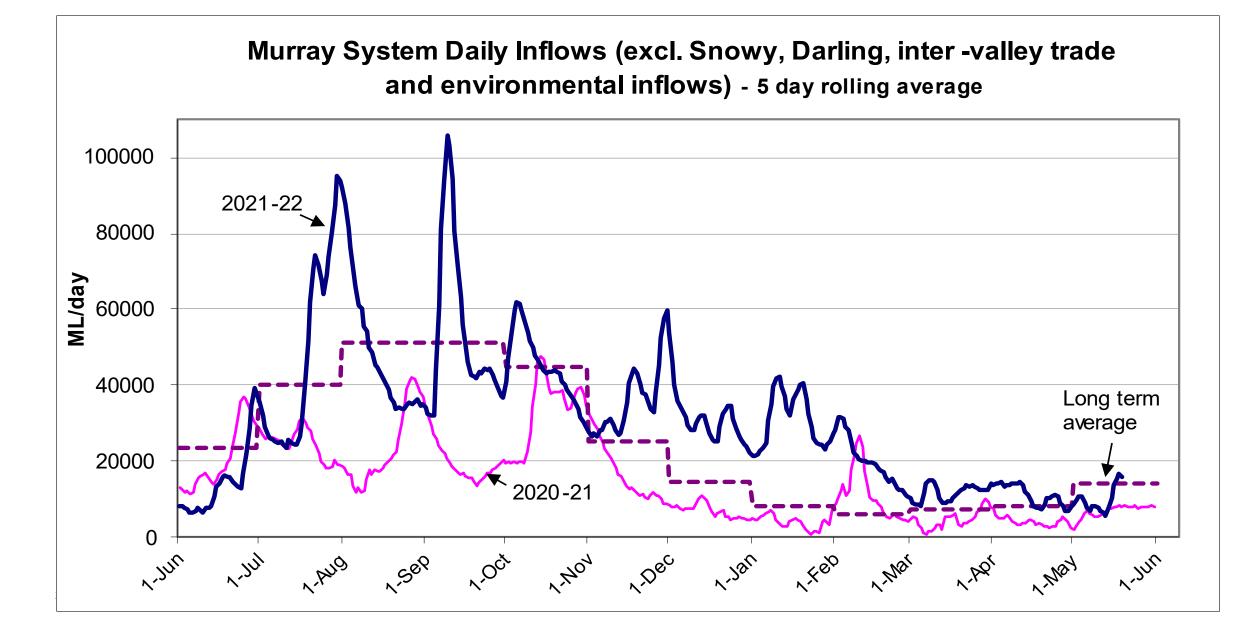
Basin-wide storage levels – 3 year comparison



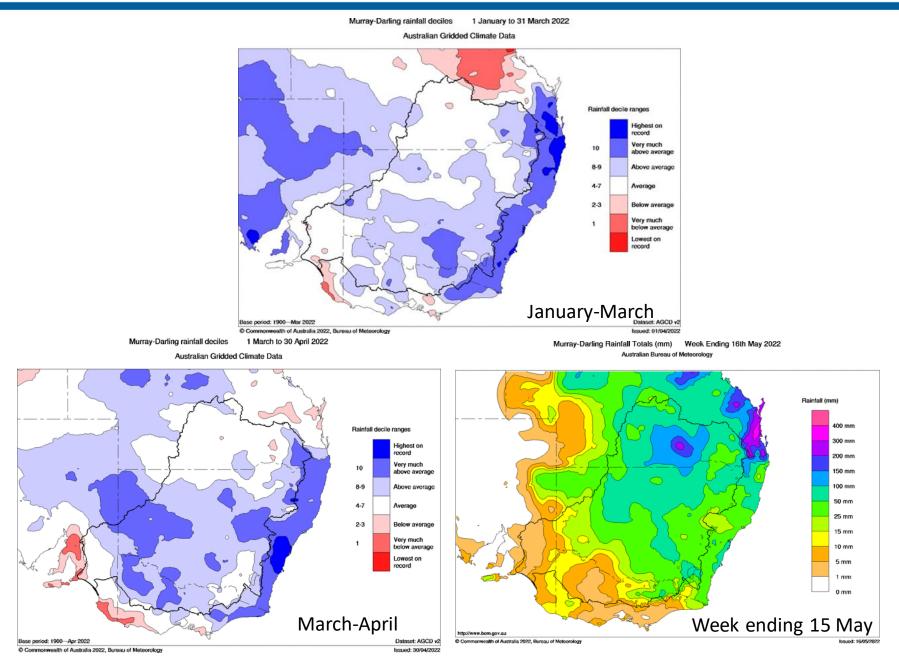
Total River Murray System storage April 2022



Inflows



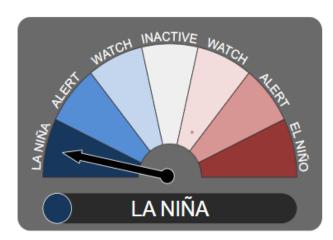
Recent climate – rainfall

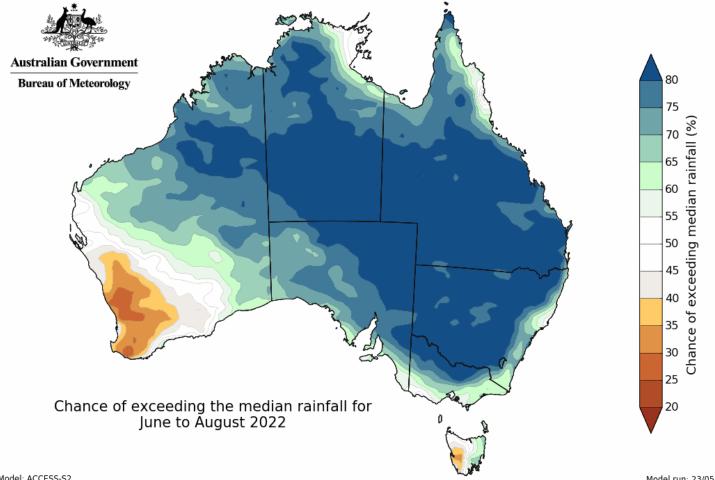


31 May 2022

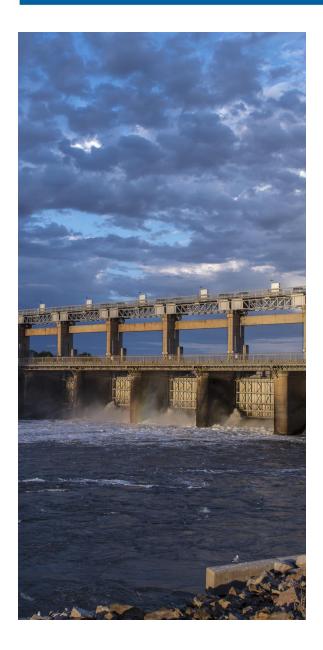
Climate outlook

- Climate influences (ENSO, MJO, SAM, IOD) mostly neutral
- June August rainfall above average likely





Operational activities



Dartmouth and Hume dams

• Hume pre-releases began 13 May 2022

Yarrawonga

• Lake Mulwala temporary drawdown for weed control

Murrumbidgee

• Unregulated flow at Balranald increasing again

Operational activities



• Lake Victoria and SA

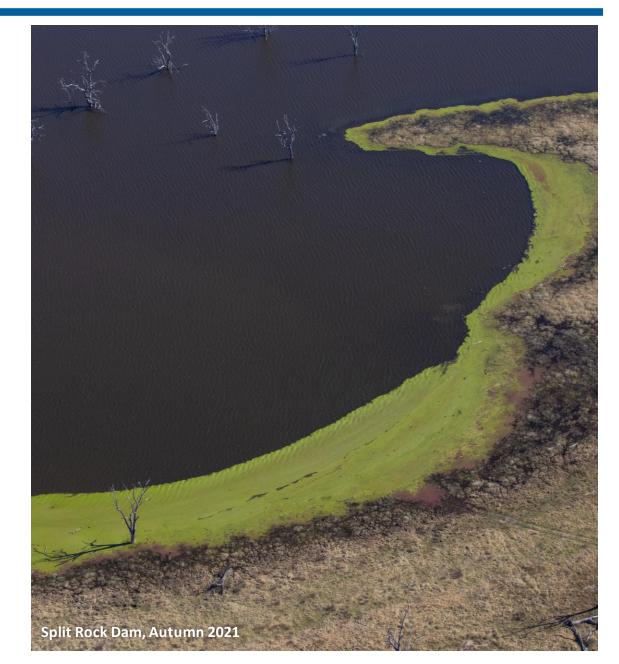
- Lake Victoria target 350GL end May (LVOS)
- SA flow remains unregulated and continuing into new water year

Lower Darling and Menindee

- Menindee Lakes 113% and rising
- WaterNSW are increasing releases to 23,000 ML/day at Weir 32 which will cause minor flooding at Menindee Township and downstream
- Estimate a further 1,150 1,550 GL of inflows by the end of July

Water Quality

Threats to water quality in the Murray-Darling Basin This map is updated on a monthly basis, or as May 2022 conditions change. Likelihood key ㅇ Possible 🛆 Likely QUEENSDAND 🕕 Almost certain Barwon-Darling Map legend Algal blooms — River Lake/dam State border Gwydir Murray-Darling Basin ㅇ Algal blooms Lower Darling O Algal blooms EW SOUTH WALES Darling River Murray Lock 10 to SA border ㅇ Algal blooms Lower Lachlan Lower Murrumbidgee Ο Algal blooms Lachlan River Algal blooms Mid Murrumbidgee Murrumbidaee River Murray River 🔾 Algal blooms SOUTH Murray Euston to Lock 10 AUSTRALI Upper Murrumbidgee 'AC1 Algal blooms 😐 High turbidity O Bushfire contamination Murray Hume to Yarrawong VICTORIA Edward-Wakool 🙆 Algal blooms Murray Yarrawonga to Euston 🔾 Algal blooms ୦ Algal blooms Ovens High turbidity Upper Murray* O Bushfire contamination Loddon storage 🔾 High turbidity ㅇ Algal blooms Bushfire contamination #1397-20220510v39



Thank you.

Office locations – First Nations Country Adelaide – Kaurna Country Canberra – Ngunnawal Country Goondiwindi – Bigambul Country Griffith – Wiradjuri Country Mildura – Latji Latji Country Murray Bridge – Ngarrindjeri Country Toowoomba – Jarowair and Wakka Wakka Country Wodonga – Dhudhuroa Country



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