



# Growers' Conference 2022

*A sustainable future together*



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Seasonal Outlook and Determination





# Seasonal Determinations and Outlooks

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# Seasonal Determinations

System	HRWS	LRWS	Low Spill Risk
Murray	100%	0%	Not Dec
Broken	57%	0%	-
Goulburn	93%	0%	Not Dec
Campaspe	82%	0%	Not Dec
Loddon	93%	0%	-
Bullarook	100%	100%	-
NSW Murray	100% (HS)	110% (GS)	-
NSW Murrumbidgee	95% (HS)	41% (GS)	-

# Water Ownership: Murray

	Private	Environment	Water Corporations
<b>In / Credit</b>			
Carryover	388 GL	410 GL	23 GL
New allocations*	904 GL	476 GL	105 GL
Trade in	275 GL	220 GL	1 GL
Returned from spillable accounts	0 GL	0 GL	0 GL
Return flows*	0 GL	0 GL	0 GL
<b>Out / Debit</b>			
Transferred into spillable accounts	140 GL	273 GL	7 GL
Trade out*	210 GL	220 GL	2 GL
Used^	14 GL	48 GL	0 GL
<b>Total</b>			
Currently available in allocation accounts	1,202 GL	565 GL	120 GL
<b>Spillable Water Accounts</b>			
Volume remaining in spillable accounts	101 GL	201 GL	5 GL
Volume spilled from spillable accounts**	38 GL	75 GL	2 GL

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# Storage Volumes (GL)

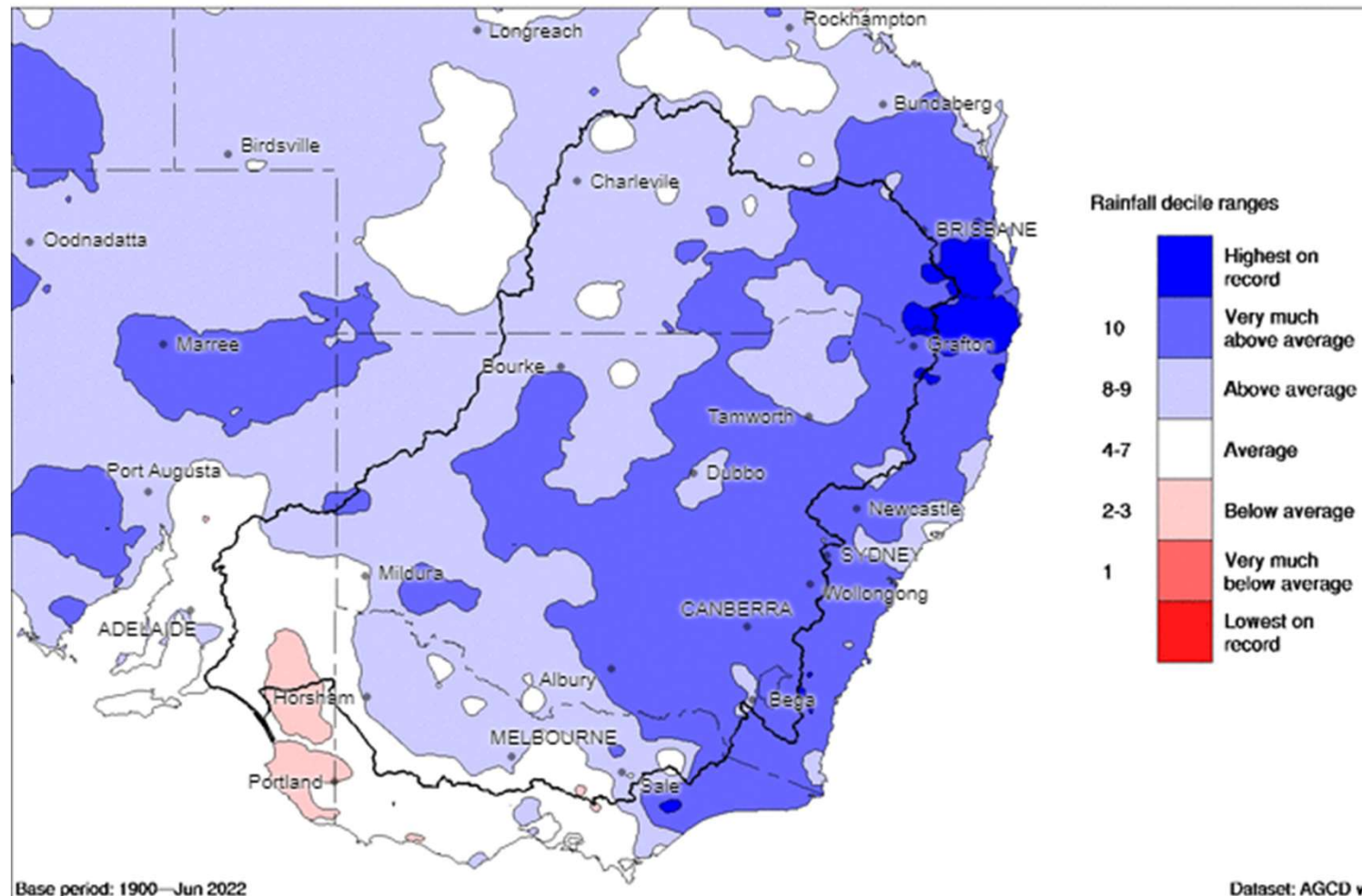
Storage	Volume	% Capacity
Dartmouth	3,770	98%
Hume	2,884	96%
Eildon	2,937	88%
Waranga Basin	369	85%
Eppalock	161	53%
Menindee Lakes	1,986	115%
Lake Victoria	389	57%



# Rainfall Deciles (2021-22)

Murray-Darling rainfall deciles 1 July 2021 to 30 June 2022

Australian Gridded Climate Data



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Issued: 21/07/2022

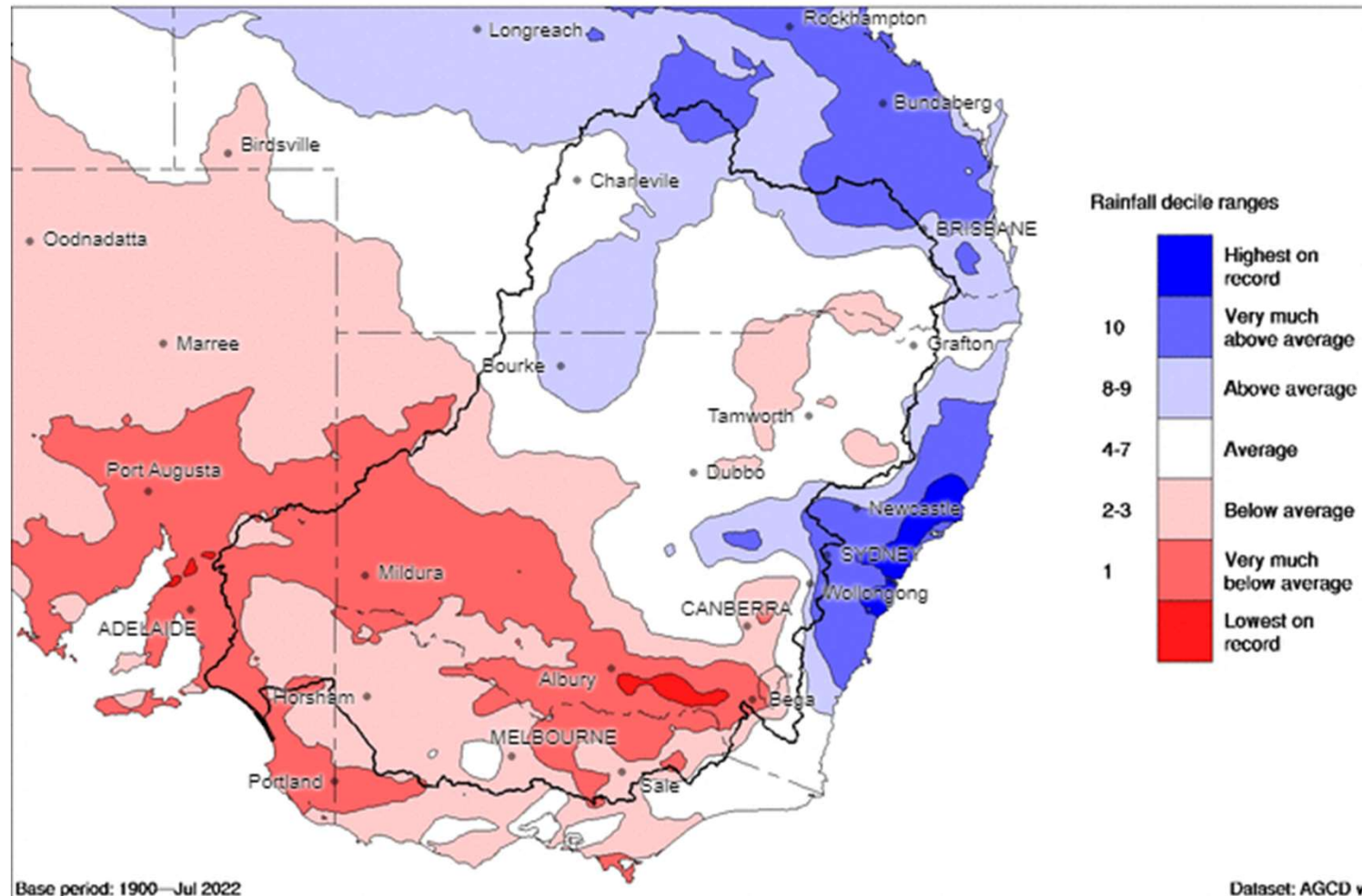
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# Rainfall Deciles (Jul 2022)

Murray-Darling rainfall deciles July 2022

Australian Gridded Climate Data



Base period: 1900—Jul 2022

Dataset: AGCD v2

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Issued: 31/07/2022

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# Climate Drivers

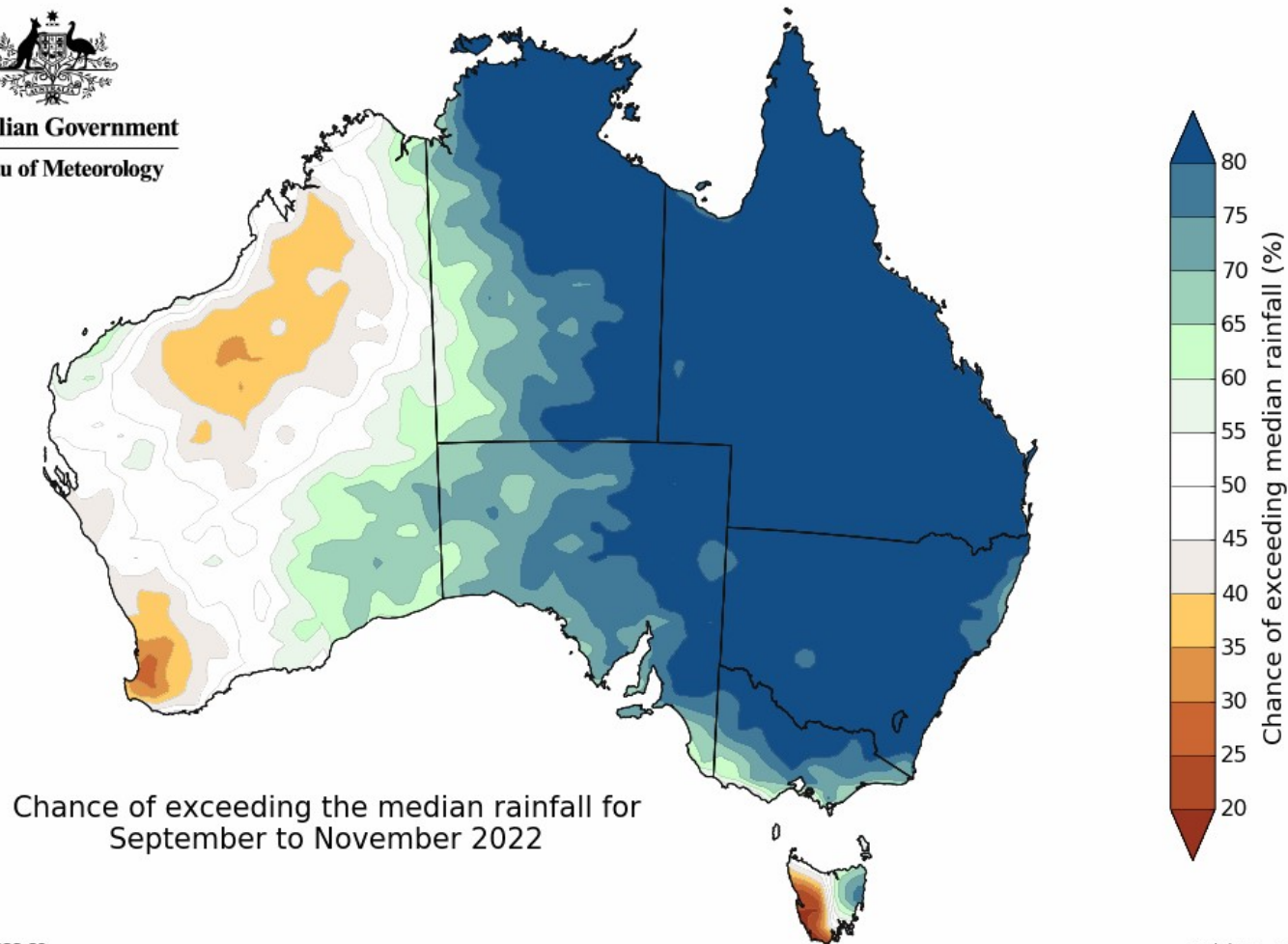
- Indian Ocean Dipole
  - Negative event likely until late spring
  - Supports above-average winter and spring rainfall
- El Niño - Southern Oscillation (ENSO)
  - La Niña ALERT status
  - 3x higher chance of formation and increasing rainfall
- Climate modelling
  - 4/7 models predict La Niña formation
  - Favouring wetter outlook

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

# Rainfall Outlook (Sep-Nov)



Australian Government  
Bureau of Meteorology



Model: ACCESS-S2  
Base period: 1981-2018

Model run: 08/08/2022  
Issued: 11/08/2022

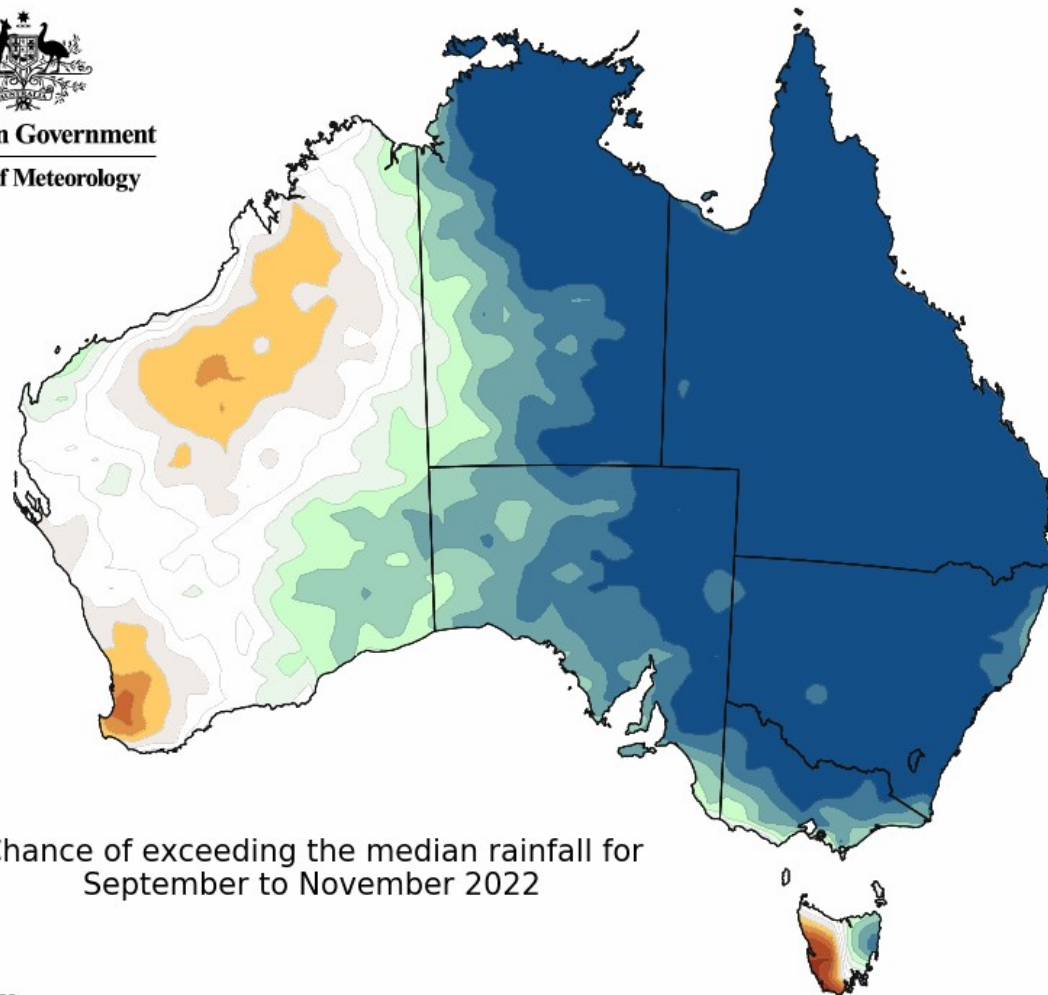
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# Rainfall Outlook (Oct-Dec)



Australian Government  
Bureau of Meteorology



Chance of exceeding the median rainfall for  
September to November 2022

Model: ACCESS-S2  
Base period: 1981-2018

Model run: 08/08/2022  
Issued: 11/08/2022

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# 2022-23 Outlook

## Murray system

- Establishing reserves for 2023-24
- Good chance of allocation to LRWS
  - Continued wet conditions
  - Further spills from Lake Hume

## Goulburn system

- Anticipate 100% HRWS in next month
- Too early to speculate on LRWS

# Current Risk of Spill

- Murray 100%
- Goulburn 65%
- Campaspe 15%



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# Murray Spills

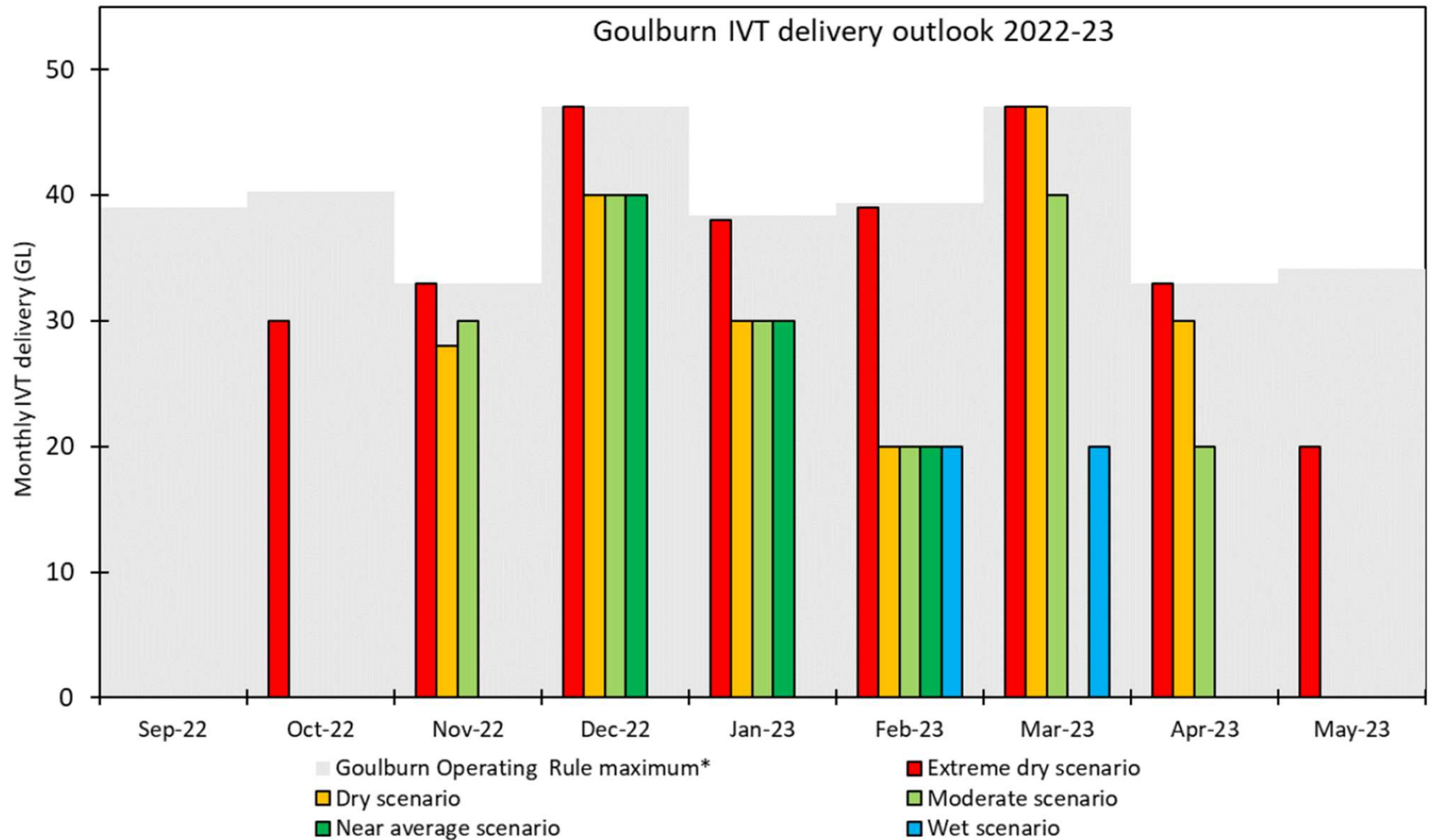
- 115 GL spilled on 15 Aug 2022
  - 27% of available spillable water
- About 650 GL spilled in 2021-22
  - 428 GL private
  - 199 GL environment
  - 22 GL water corporations
  - All carryover from 2020-21 lost
  - First large-scale occurrence unbundling

# Goulburn-Murray Trade Rule

## Approach:

- Key dates
  - 1 Jul – Opening trade opportunity announced (~85 GL)
  - 15 Oct – Additional trade opportunity announced (0-30 GL)
  - 15 Dec – Additional trade opportunity announced (0-30 GL)
- Trade is capped from 15 December to 30 June
- Will deliver legacy trade (~140 GL) and grandfathered tags (~15 GL)
- Access is no longer tied to Goulburn IVT balance
  - 380 GL currently

# Goulburn Operating Plan



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# Wrapping Up

- Earliest 100% HRWS for 20 years
- Building reserves for next season
- Wetter conditions are forecast to continue
- LRWS possible in Murray, but needs spills
- Hume spills affecting spillable water accounts now
- New rules affecting allocation access this season
  - Trade use delinked from Goulburn IVT account
  - Must still manage IVT account

**Thank you**

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