



The need for better Water Management

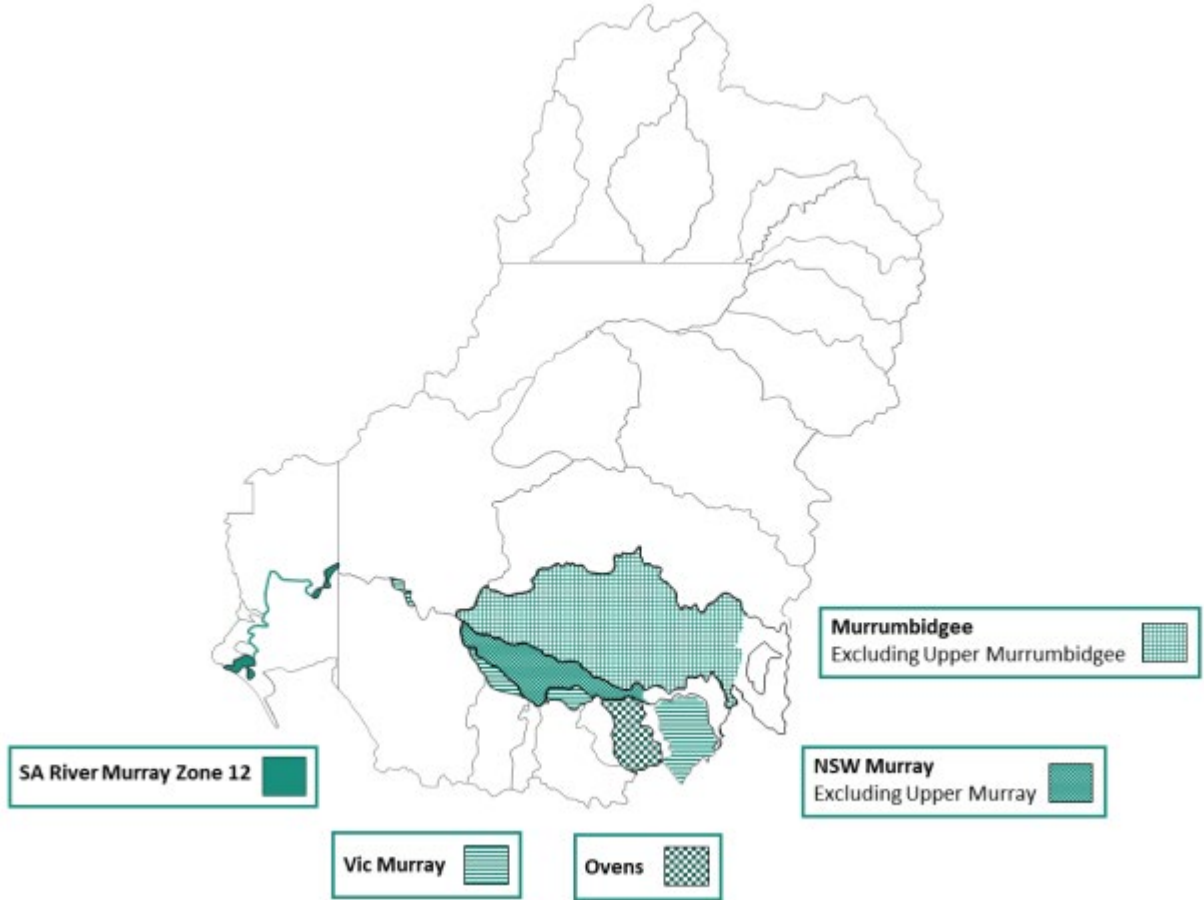
October 2024
Nick Sayer



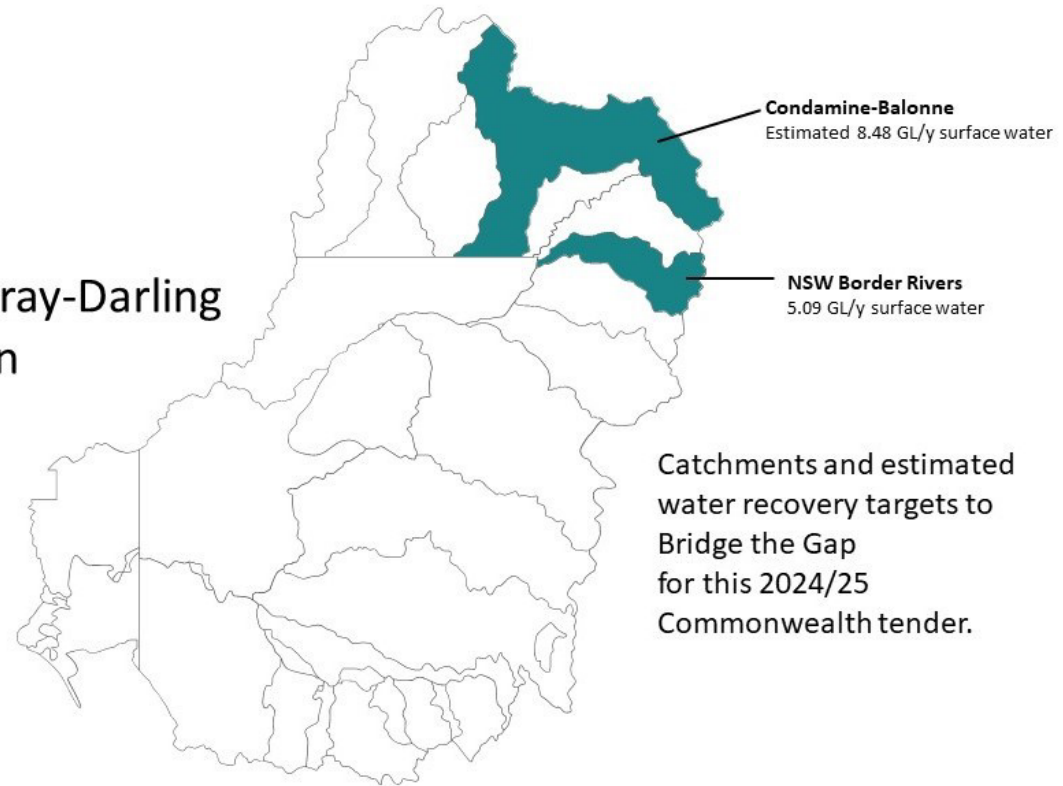
Federal Water Purchases – 2024 Overview

Restoring Our Rivers – Southern Basin

Bridging the Gap – Northern Basin



Murray-Darling Basin



Federal Water Purchases – Potential Impact

Statement of Current Environmental Water Holdings (23/24)

Potential Impact on Temporary Price and Seasonal Water Use**

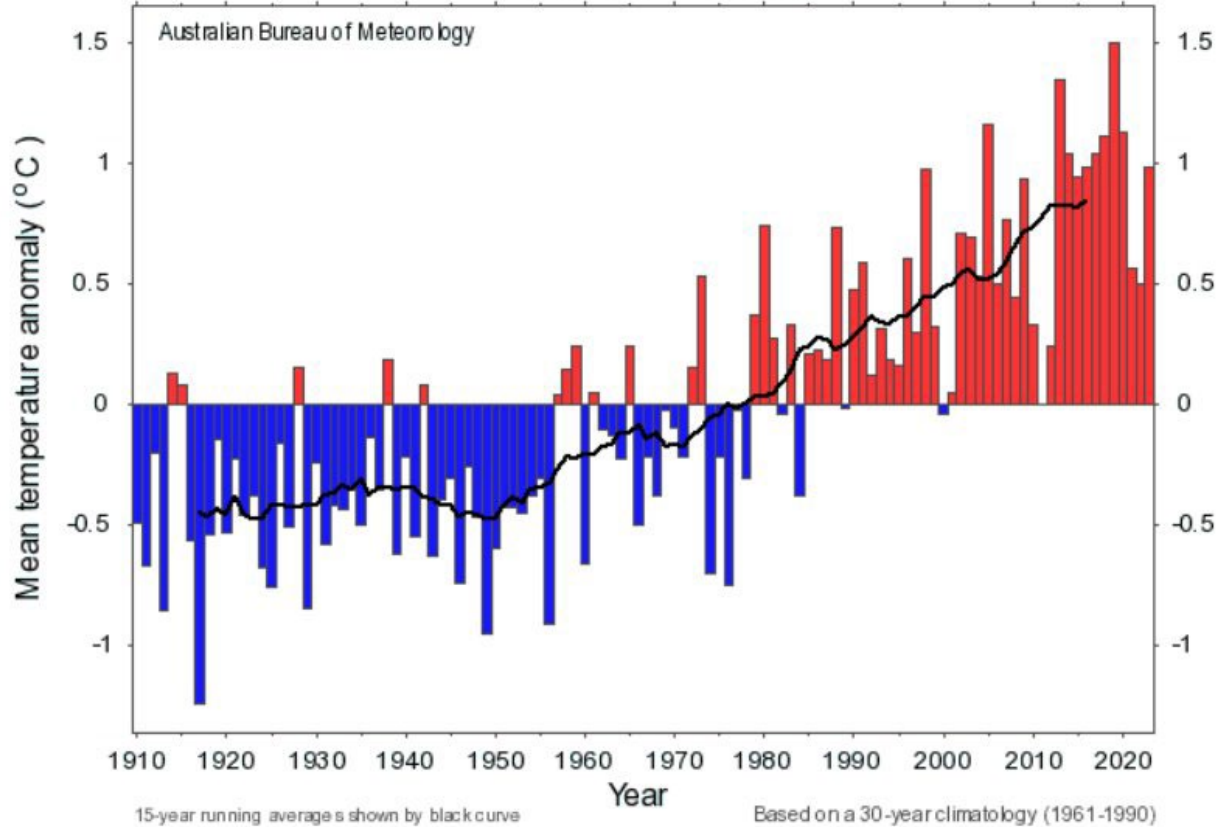
	Total Volume Allocated (ML)	Commonwealth Holdings (ML)	Commonwealth Holdings (% of Total SW Rights)		Baseline scenario (No further recovery)	125 GL buybacks	225 GL buybacks	325 GL buybacks
Murray Darling Basin (Current)	11,828,600	2,107,000	~18%	Current water allocation prices (\$/ML)	150	157.5 (5%)	164.25 (9.5%)	172.5 (15%)
Murray Darling Basin (Future)	11,828,600	3,200,000*	~27%	5-year average water use (GL/yr)	3,748	3,675 (-2%)	3,616 (-3.5%)	3,571 (-4.7%)

*SDLAM Inclusive

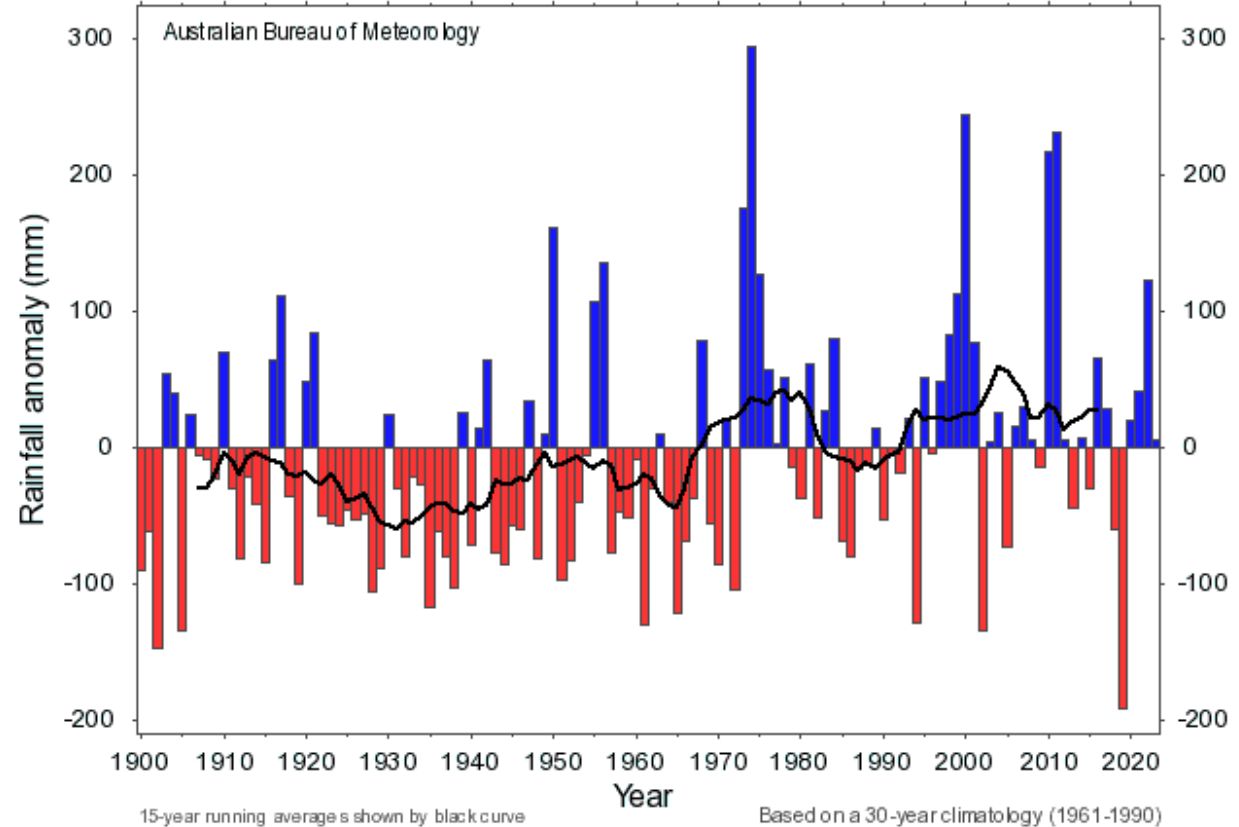
**Source ABARES: *The impacts of further water recovery in the Southern Murray-Darling Basin*

Long Term Climate Outlook

Annual mean temperature anomaly
Australia (1910 to 2023)



Annual rainfall anomaly
Australia (1900 to 2023)



Other Water Competitors

- Hydrogen
- Population Growth and Sprawl
- Increased Agricultural Demand
- Mining & Other Industry Expansion

Water Portfolio Diversification

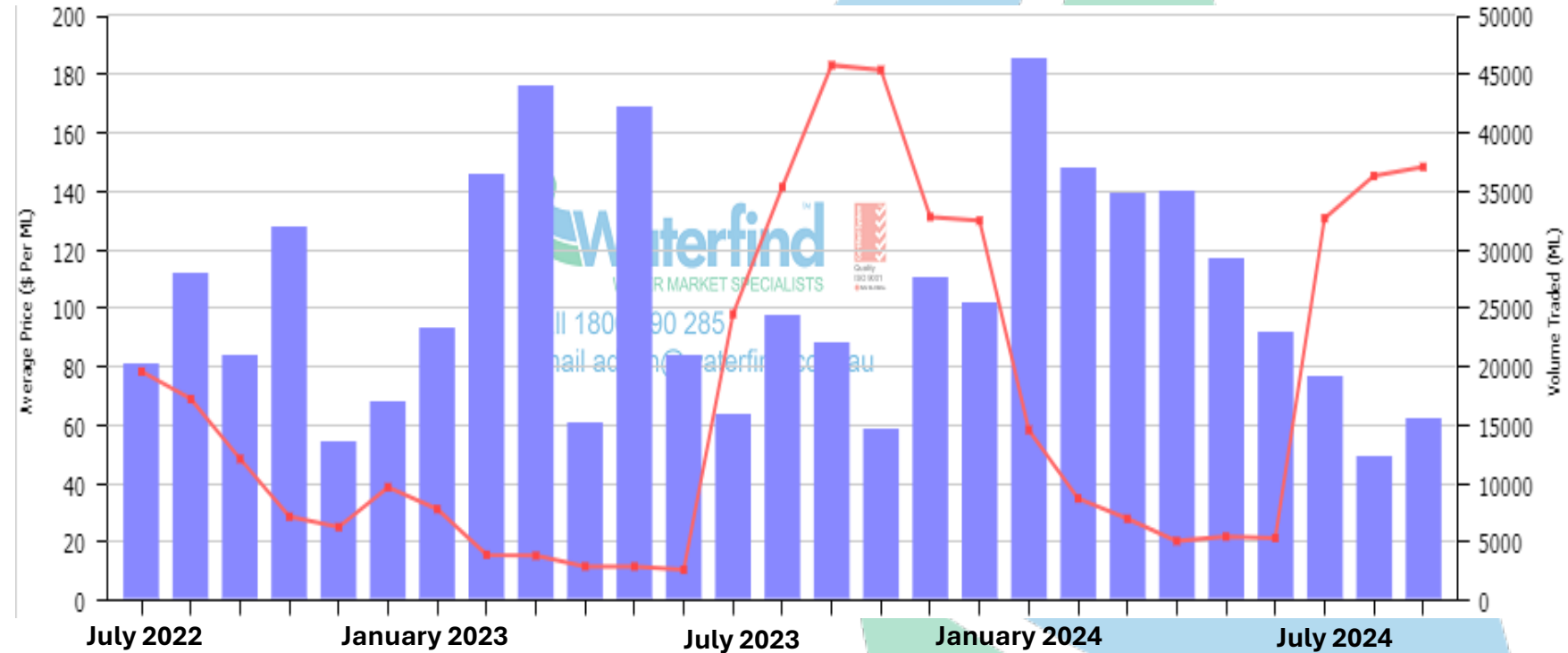
State	Water Type	Benefits	Cost
SA	Class 3	<ul style="list-style-type: none"> Typically, fully allocated at season opening 	<ul style="list-style-type: none"> No carryover Quarterly balancing requirements (over-use costs)
Victoria	Zone 7 High Reliability	<ul style="list-style-type: none"> Carryover Intervalley Trade 	
NSW	Zone 11 High Security	<ul style="list-style-type: none"> Carryover Intervalley Trade 	
All	Groundwater	<ul style="list-style-type: none"> Typically, fully allocated at season opening Carryover Available as a substitute in dry years 	<ul style="list-style-type: none"> Less accessibility

Temporary Pricing – The Impact of Market Events

Below Choke Temporary Water Price (July 2022 – September 2024)

Market Events

- Spill Announcements
- Inter-Valley Trade Open/Closure
- Allocation Announcements
- End/Start of Season
- Market Sentiment



Optimal Use of Insurance Products

- **Forward Trading**

Enables the transaction of temporary water to occur at future time providing flexibility, security and assistance in planning ahead



- **Long-Term Leases**

A long-term arrangement securing access to seasonal determinations and/or carryover capacity. It offers long-term security and access to guaranteed returns for the entitlement owners



- **Carryover**

Bolsters long-term water security by providing added flexibility and assistance in water planning for the future season by mitigating price risk.



- **Water Management Tool**

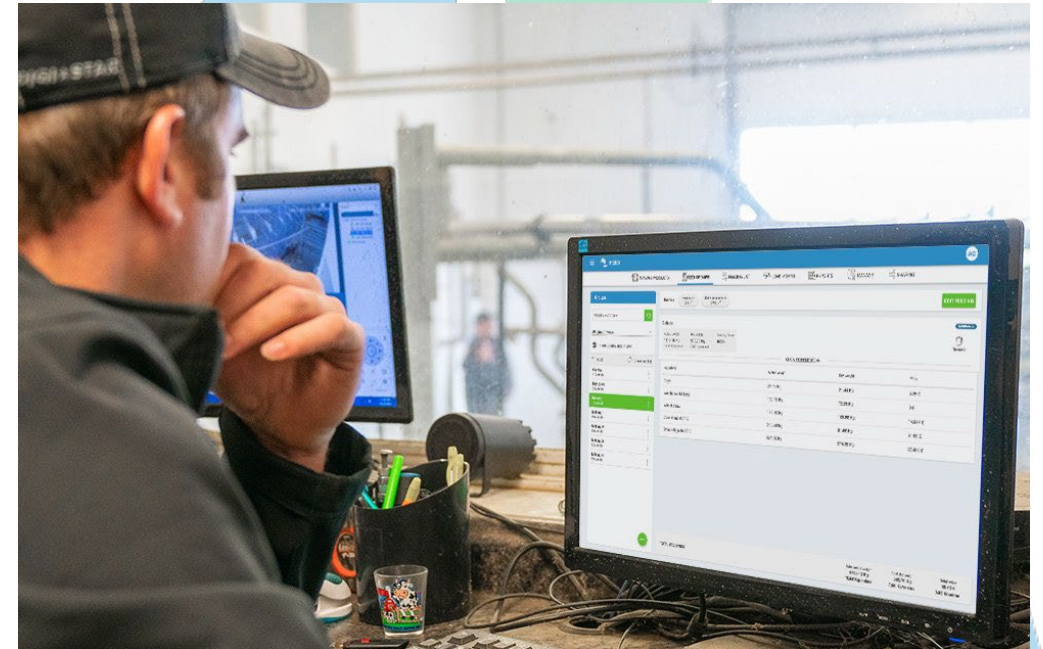
Through a multitude of management mechanisms, Waterfind's Water Management Tool assists in monitoring usage reports and forecasts, water budgeting, and indicating significant market events.



Water Management Tool

The Waterfind Water Management Tool addresses the challenges faced in managing bulk water usage, offering solutions to avoid fines, adhere to regulations, and seize market opportunities.

- Water Usage Reports
- Seasonal Water Budgeting
- Management Calendar
- Market Events
- Forecast Water Usage
- Track Management Actions
- Multi-site Management



Accumulated Water Position Reporting



ALL
 SITE 1
 SITE 2
 SITE 3
 SITE 4
 SITE 5

Monthly
 Accumulated

Budget
 Total Water
 Usage
 Forecast

Forecast -89

Monthly
 Accumulated

ALL
 SITE 1
 SITE 2
 SITE 3
 SITE 4
 SITE 5

Integrated Calander, Market Events & Task Management

The interface displays a calendar for June 2024 with various tasks and events. The tasks are categorized by status: Market Event (blue), ToDo (grey), InProgress (green), Completed (light green), OnHold (orange), Canceled (red), and Pending (purple).

Today	Back	Next	June 2024							Month	Week	Day	Agenda
Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat
26	27	28	29	30	31	01	02	03	04	05	06	07	08
	NVRM Allocatio...	read meters		change pump 3...									
09	10	11	12	13	14	15	16	17	18	19	20	21	22
	NVRM Risk of S...	DEW SA Allocat...	meter reads	SA Quarterly Ba...		Quarterly Meter...	Review and bal...	End of Season ...		Water resource ...			
	NVRM Allocatio...												
23	24	25	26	27	28	29	30	01	02	03	04	05	06

Task List:

- Market Event**
SA Quarterly Balancing
Wed Jun 12 2024
- Management Action**
meter reads
Wed Jun 12 2024
- Management Action**
Quarterly Meter Reads - Revi...
Sat Jun 15 2024
- Management Action**
Review and balance all acco...
Sun Jun 16 2024
- Management Action**
End of Season Underuse/Ov...
Mon Jun 17 2024
- Management Action**
Water resource update and s...
Thu Jun 20 2024
- Management Action**
read meters
Tue Jun 04 2024
- Management Action**
change pump 3 filters
Thu Jun 06 2024

Mobile App View:

Calendar for June 2024 showing tasks on dates 3, 4, 6, 10, 11, 12, 17, and 20. The app interface includes a bottom navigation bar with Home, My Sites, and Notifications icons.