







What is water for the 19 What is water for the 19 Environment! Rivers and wetlands

have been changed to provide water for towns, industry and food production.



This has interrupted the natural flow of water that plants and animals need to survive. With natural runoff from rainfall now captured in dams, rivers need to be actively managed to keep them healthy.

Water allocated to keep the river healthy is known as water for the environment. This water is carefully managed to ensure it delivers the best environmental outcomes, while benefitting river communities.





much was for the environment? The Murray-Darling Basin Plan sets the environment.

15% of the managed water resource outside of flood times is our environmental water

85% is water for all other uses

The Murray-Darling Basin Plan sets the amount of water each year that can be used for irrigation and other uses, while leaving enough to keep the environment healthy. The environmental water entitlements held under the Basin Plan on average yield almost **2,100 GL a year**. This is 15% of the water entitlements issued by states for use in the Basin.

The amount of water available through entitlements varies each year, depending on how much is allocated by state governments. In times of drought, allocations to entitlements are reduced the same way for all water users—including environmental water holders.

Water entitlements for the environment are subject to the same allocations, fees, rules and carryover arrangements as all other uses.



Deople first

People are always looked after first. Water is allocated by state governments for critical human needs- for drinking, household and stock water supplies - before being allocated for any other use.





then and where to waster

Our weather is variable and influences how much water is allocated to users across the Basin, including the environment. In dry years, there is less water available.

In deciding why, when and where to water, managers consider how much water they have and what the environment needs. They also consider the needs of communities, irrigators and the physical limitations of the river.

Environmental water managers aim to help rivers flow, keep native plants healthy, and support native animals, birds, fish and frogs. They plan for water to be reused as it flows down the river. Water may be saved or 'carried over' to use when the environment needs it.

Every year is different.
What we aim to achieve depends on how much water is available and what the environment needs.

Very dry

Main aim: Protect

- Avoid critical loss
- Maintain key refuges
- Avoid catastrophic events

Dry

Main aim: Maintain

- Maintain river functioning
- Maintain key functions of high priority wetlands

Moderate

Main aim: Recover

- Improve ecological health and resilience
- Improve opportunities for plants and animals to breed, move and thrive

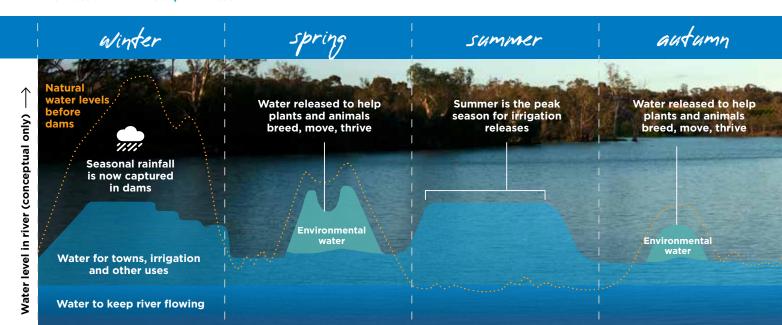
Wet to very wet

- Main aim: Enhance
 Restore key
 floodplain and
 wetland linkages
- Enhance opportunities for plants and animals to breed, move and thrive

A small part A small part Water for the

In a Southern Basin river such as the Murray, most environmental flows are released in spring and autumn when wetlands and floodplains need it.

Water for the environment is released when our native plants and animals need it most. Typically, water for the environment makes up only a small part of the water flowing down the river. Other water in the river is for towns, cities, irrigators and industry.









Bartnerships Award-winning to 2

Award-winning partnership with irrigators

In South Australia, Renmark Irrigation Trust is partnering with us to deliver water using their irrigation pipes. Water can flow to where it's needed to keep the floodplain healthy, while maintaining irrigation infrastructure in the off-season.



Celebrating the extended Renmark Irrigation Trust infrastructure being turned on to water Bookmark Creek floodplain, South Australia (CEWO)









Darling River at Tilpa, NSW, before and after receiving environmental flows. Locals were able to play cricket on the dry river bed before the flows came through. (Tim Lee, ABC)

Water for the environment has been used in the northern Basin to replenish the Barwon-Darling and Gwydir river systems.

In 2018 environmental flows connected multiple river systems from upstream of Goondiwindi to Menindee Lakes. In 2019, another flow to help native fish travelled 1500 kilometres, topping up water holes along the Barwon River. Before this release, water had not flowed over the weir on the Barwon River near Walgett for 330 days.







Connect with us

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