

Groundwater is a precious and shared resource

Groundwater supports Perth's wetlands, ecosystems and green corridors. These natural ecosystems and green spaces reduce urban heat and help Perth to remain the liveable, vibrant and green city we know and love.

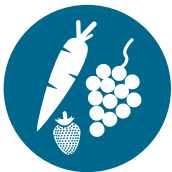
We all need to use groundwater wisely to help secure Perth's water future



Groundwater plays an important role in Perth's natural environment by supporting wetlands, lakes and vegetation.



Perth residents with a garden bore use groundwater to water their lawns and gardens.



Groundwater is used by farms and horticulturists for growing local produce.



Groundwater is used by the Water Corporation to supply about 40 per cent of Perth's drinking water as part of the Perth Integrated Water Supply Scheme.



Groundwater is used by local governments and schools to irrigate nearly all parks, play spaces, gardens and sporting fields in Perth.

[Kep Katitjin – Gabi Kaadadjan Waterwise Perth action plan 2](#) has a target of a 10 per cent reduction in the amount of groundwater we use, as part of helping to transition Perth to becoming a leading waterwise city by 2030. The action plan calls on everyone in the community to play a role, including government, businesses, industry, local governments and households.





Garden bore use

About one in four urban properties across Perth uses a garden bore. Collectively, garden bore users take about 22 per cent of all groundwater used across the Perth and Mandurah areas. In 2021, the Department of Water and Environmental Regulation estimate there are about 180,000 households using garden bores, taking a total of about 90 gigalitres a year (90 billion litres).

Garden bores are an important water supply for many households to irrigate small gardens. They help to reduce the demand for drinking water from the scheme and, when used responsibly, they can help distribute the take of groundwater to reduce impacts on water levels. Just as we use water inside the home wisely, groundwater should also be used wisely to conserve it for future generations.

Help keep our groundwater use sustainable by using your bore responsibly – stay within sprinkler rosters, understand your garden's water requirements and avoid overuse.

Overuse of groundwater can result in a system out of balance

When bores draw water faster than groundwater is recharged by rainfall, groundwater levels can drop. This can have a serious impact on Perth's lakes, wetlands, parks and bushland.

Falling groundwater levels can also lead to water quality problems, including acid sulphate soils and saltwater intrusion.



Loch McNess, near Yanchep WA, now contains much less water

Climate change combined with groundwater abstraction is having a measurable and visible impact on the water balance of Perth's groundwater system and its associated environmental values, including wetlands, caves, lakes and bushland. This is significantly affecting the long-term sustainability of Perth's groundwater as a natural, good-quality source of water for Perth.

To ensure groundwater continues to provide a long-term, natural and relatively low-cost source of water for Perth and continue to support Perth's natural environment, we must adjust our water use down to match the impacts of climate change.

