



## Perth's groundwater story

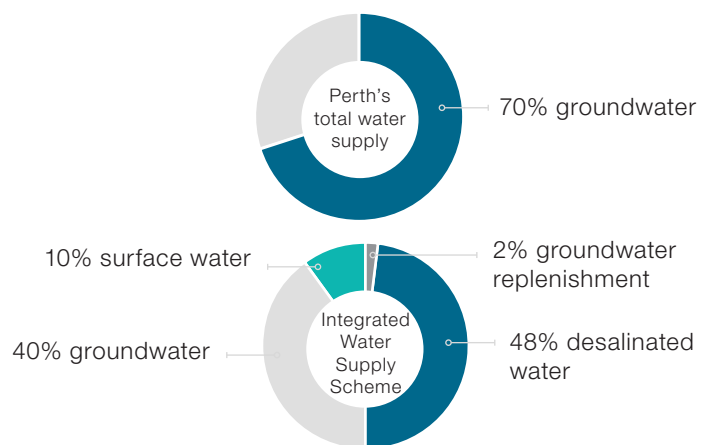
Since 1975, Perth's average rainfall has declined by 15 per cent due to climate change, and temperatures are predicted to increase. This means less inflow into dams, but it also means less water soaking into our aquifers.

### Groundwater plays an important role in Perth's total water supply

Groundwater is Perth's largest natural source of good-quality water that is easily accessible at a relatively low cost. Groundwater is abstracted and self-supplied by thousands of water licence holders and over 100,000 households who use garden bores. Self-supplied water users typically abstract from the shallow aquifer – Perth's Superficial aquifer.

Groundwater is also abstracted by the Water Corporation through an integrated network of over 150 bores that access the shallow and deeper aquifers (Leederville and Yarragadee aquifers). This is then treated to drinking water standards to be supplied to households and businesses in Perth and the Goldfields through the Integrated Water Supply Scheme.

So, when considering both self-supply and scheme water supply, we can see that groundwater makes up the majority of Perth's total water supply.



### Perth's total water supply

About 70 per cent of all the water used across Perth and Peel comes from groundwater. This water is used to grow our local produce, water our gardens, parks, ovals and public spaces, for industry and manufacturing, and we treat it for drinking water.

### Integrated Water Supply Scheme

In 2018, the water supplied by Perth's Integrated Water Supply Scheme was made up of 48 per cent desalinated water, 40 per cent groundwater, 10 per cent surface water and two per cent groundwater replenishment.

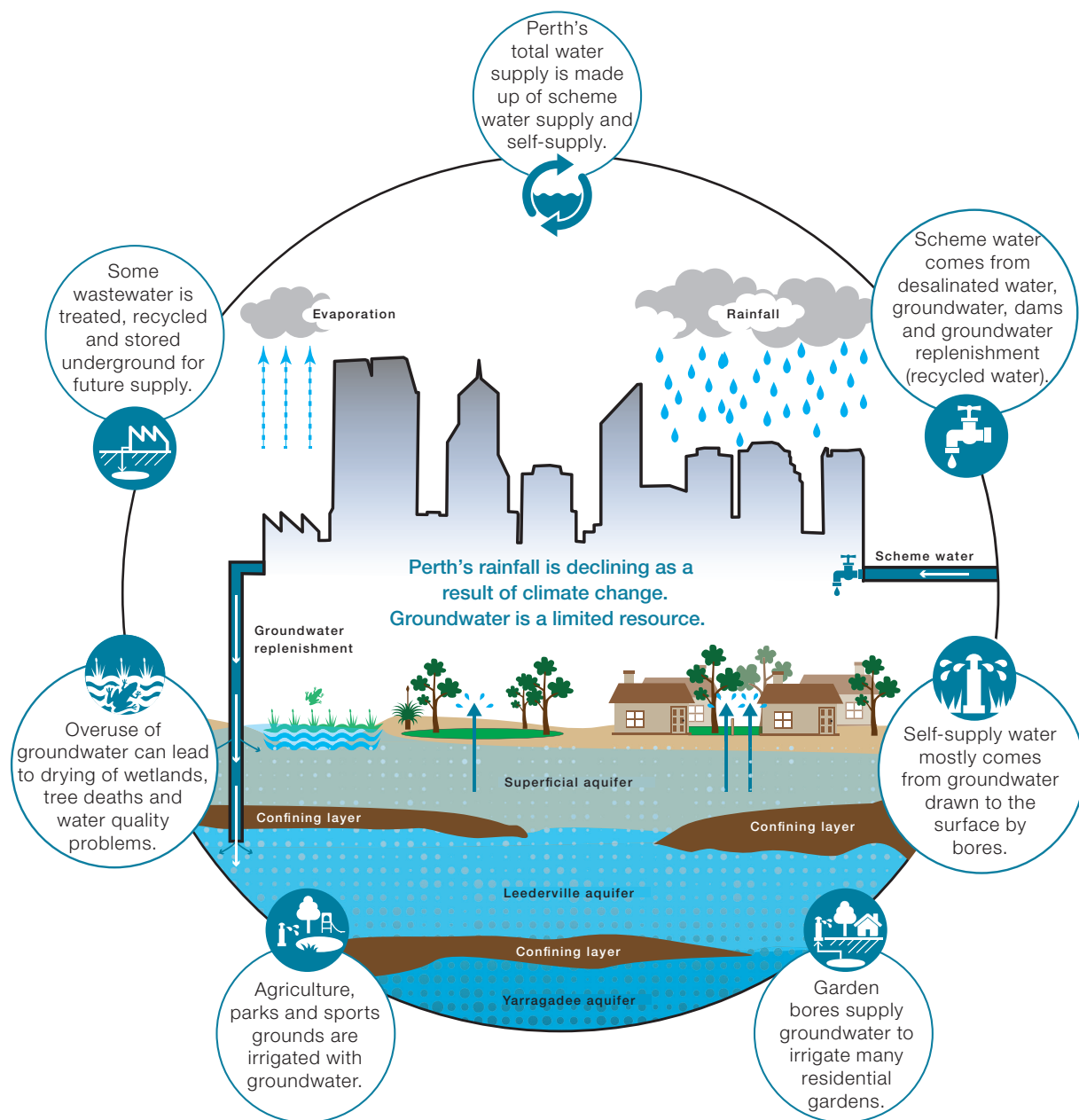
## Groundwater use at home

Did you know that water from your kitchen tap or bathroom shower contains groundwater? If you have a garden bore, you're also sharing Perth's precious groundwater.

## Perth's natural environment

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.

## Understanding Perth's groundwater story



Whether you use scheme water or self-supply your water, it is important that all water sources are used wisely.

## Find out more

Perth's scheme water sources:

[www.watercorporation.com.au/Our-water](http://www.watercorporation.com.au/Our-water)

Managing Perth's Gnangara Groundwater system

[gnangara.dwer.wa.gov.au](http://gnangara.dwer.wa.gov.au)

**WATER  
WISE  
PERTH**  
action plan

[begroundwaterwise.wa.gov.au](http://begroundwaterwise.wa.gov.au)

**CLIMATE CHANGE IS REAL**