



Sustaining Water Efficient Communities into the Future

UDIA (WA) Sustainability Forum

Peter Moore

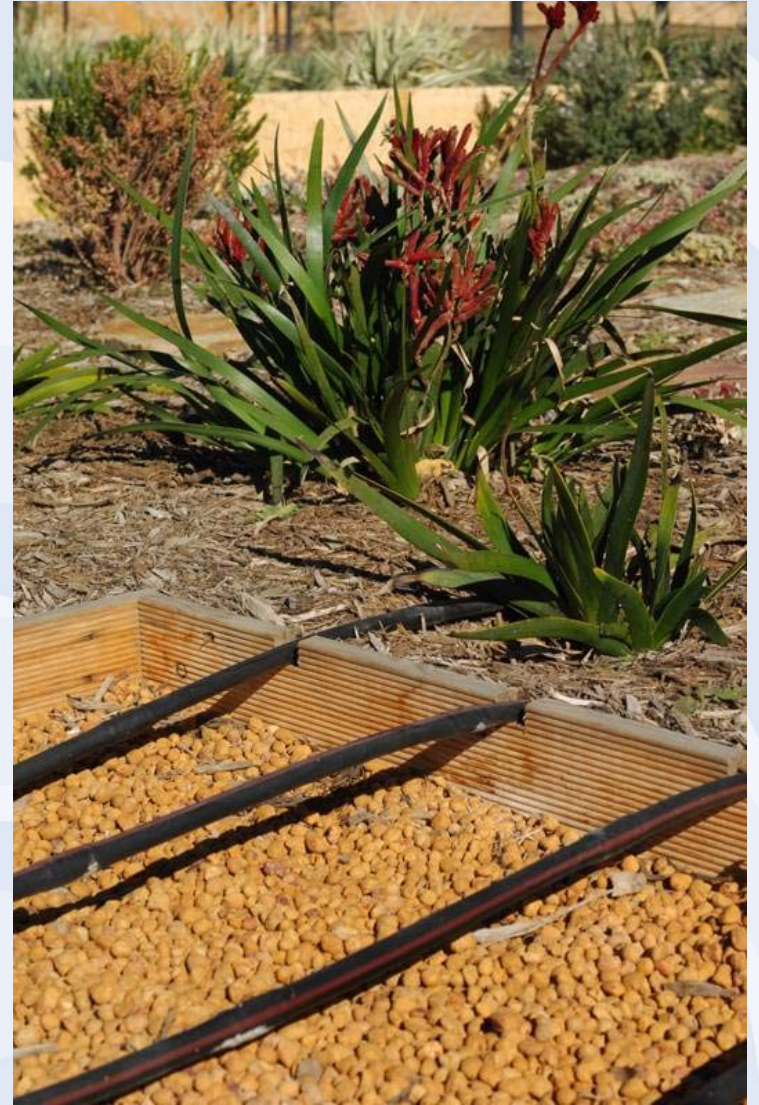
Chief Operating Officer



25 September 2007

Outline

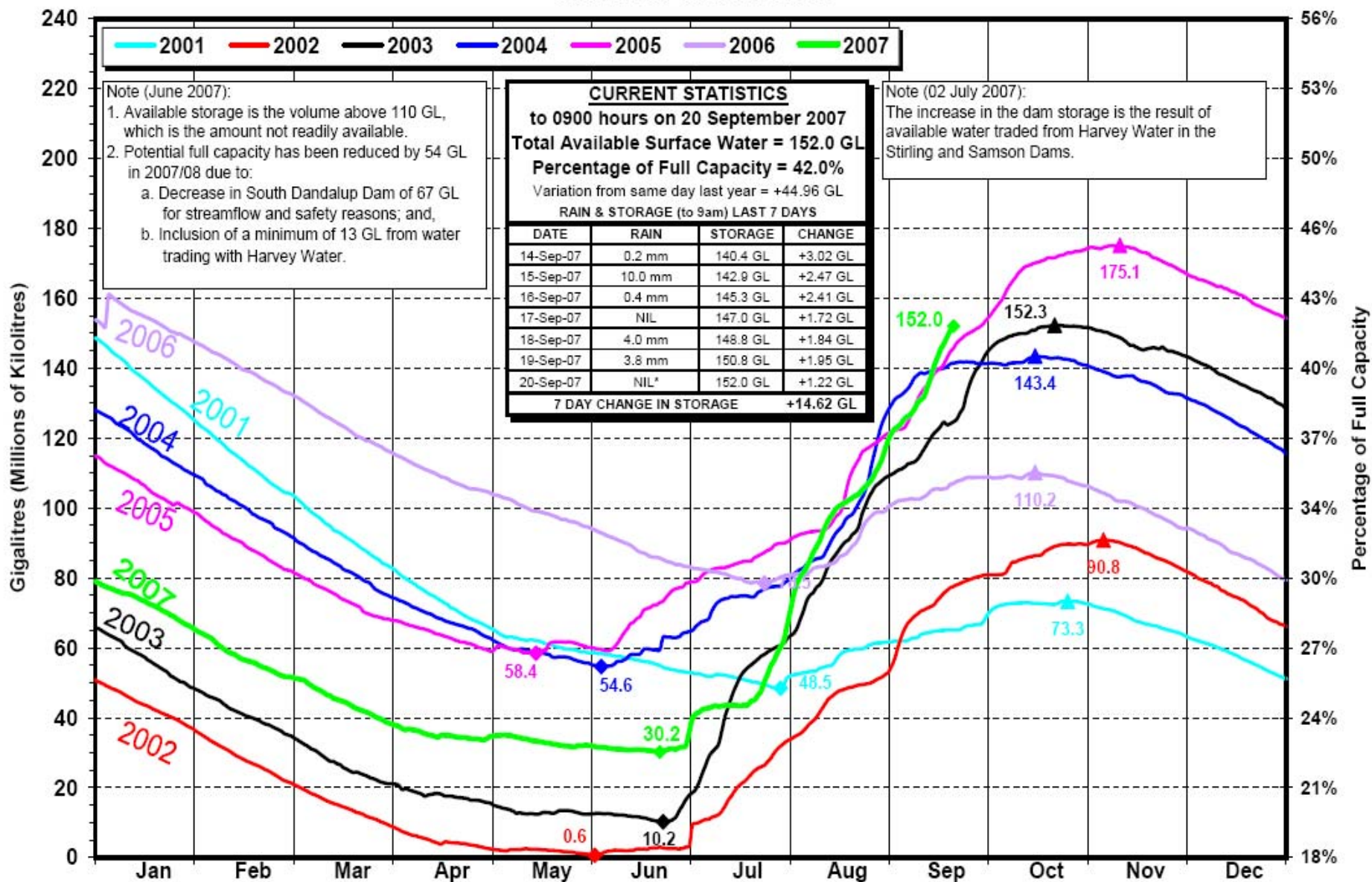
- The continuing impact of the drying climate on water supplies;
- Key initiatives in Urban Water Reuse;
- Future Direction;



*This is the provisional rainfall figure received from the BOM and is subject to change.

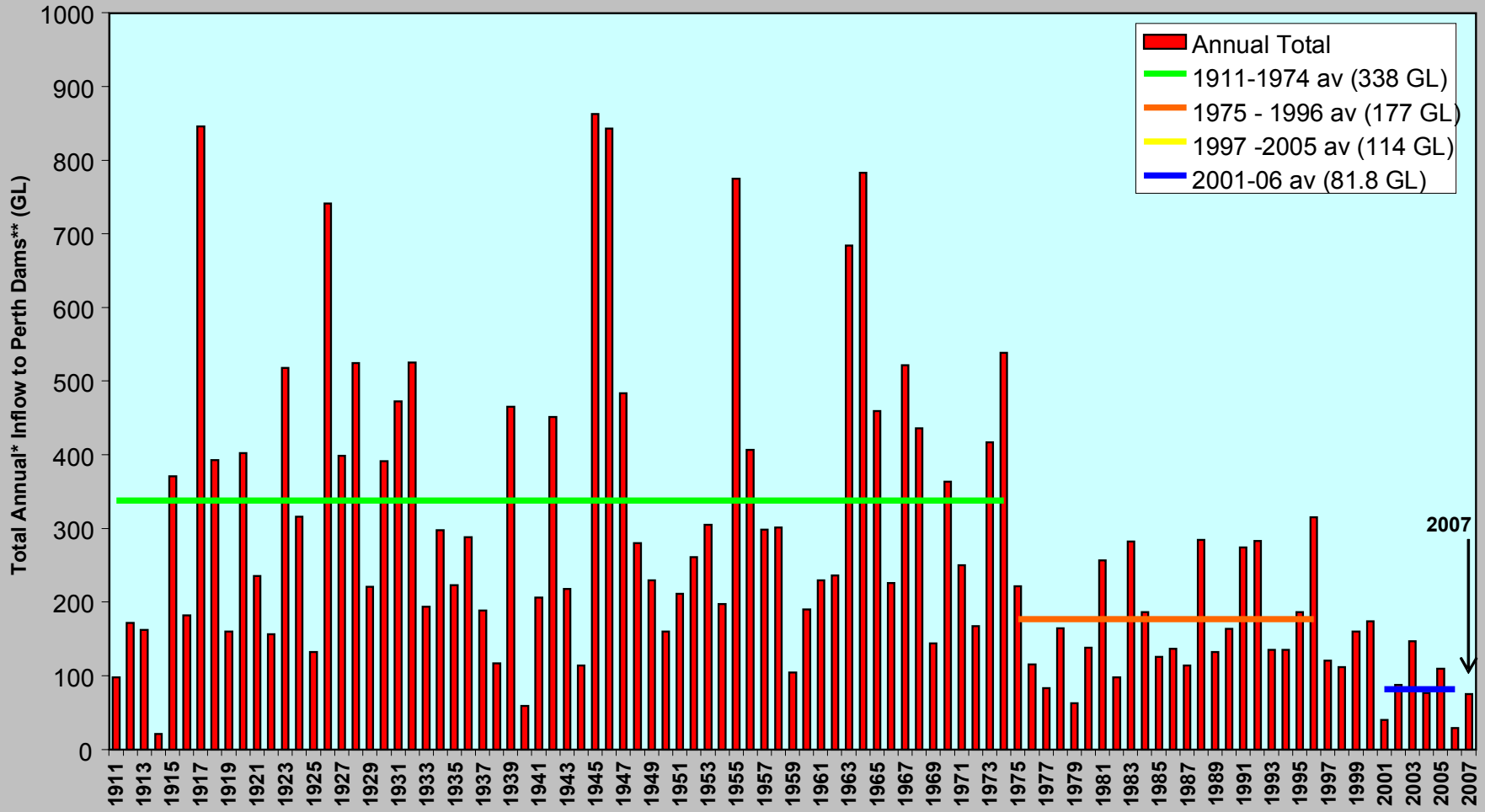
Available Surface Water

Jan 2001 to Dec 2007



Impact on Water Availability - WA

Reduced Inflows to Dams



Notes: - A year is taken as May to April
- 2007/08 inflow to 19th September 2007



Water Reuse



Smarter use of Water



Desalination



Catchment Management



Water Trading



Surface Water

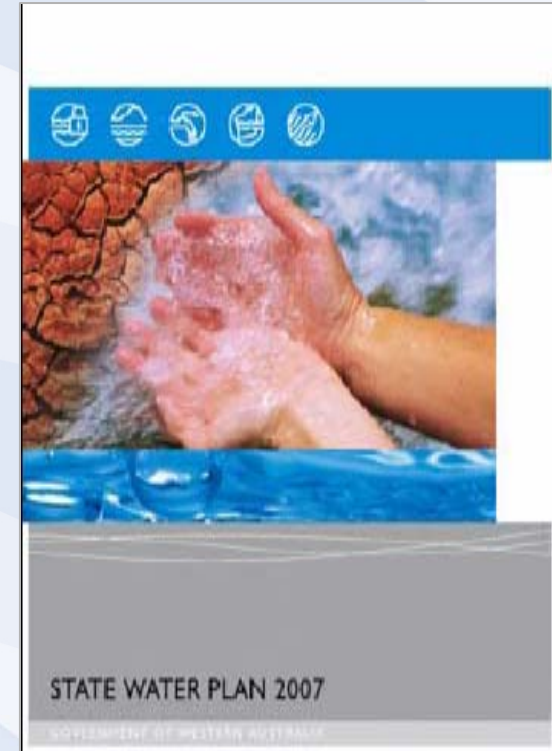


Groundwater

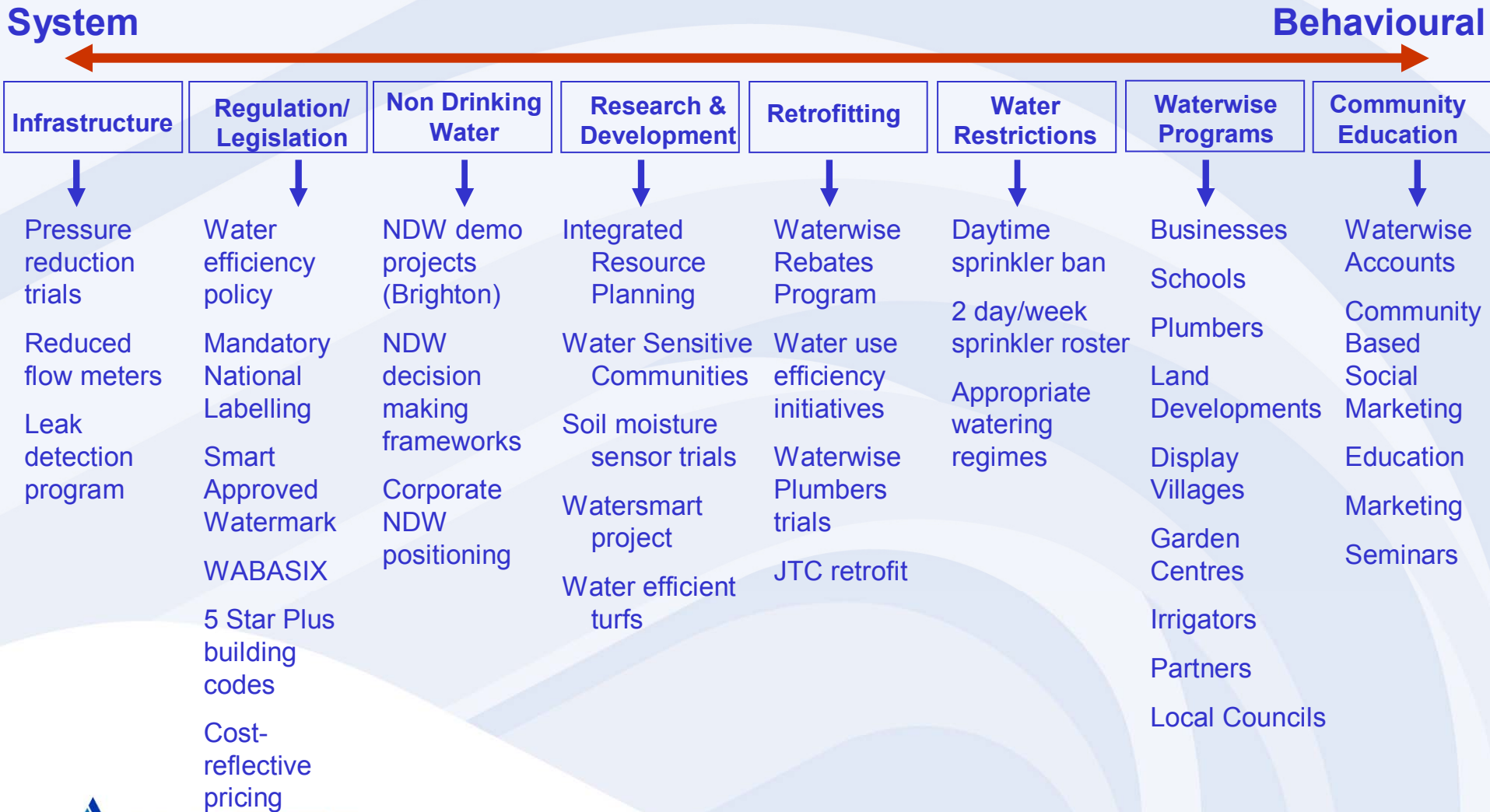


The State Water Plan

- Provides a clear policy directions and mechanisms to deliver via the State Water Planning framework;
- Builds on the achievements of the State Water Strategy;
- Drives consumption to 100 kL/person/year;
- Endorses the fit for purpose water use philosophy –30% Recycling target;
- Water Conservation and Recycling Strategy.
- State Water Recycling Strategy;



A Diversified Approach to Water Efficiency



Managing Supply – Non Drinking Water Opportunities

North West Corridor:

- *Wastewater MAR*
- *Local Groundwater*
- *Brighton*

North East Corridor:

- *Wastewater Reuse*

Infill:

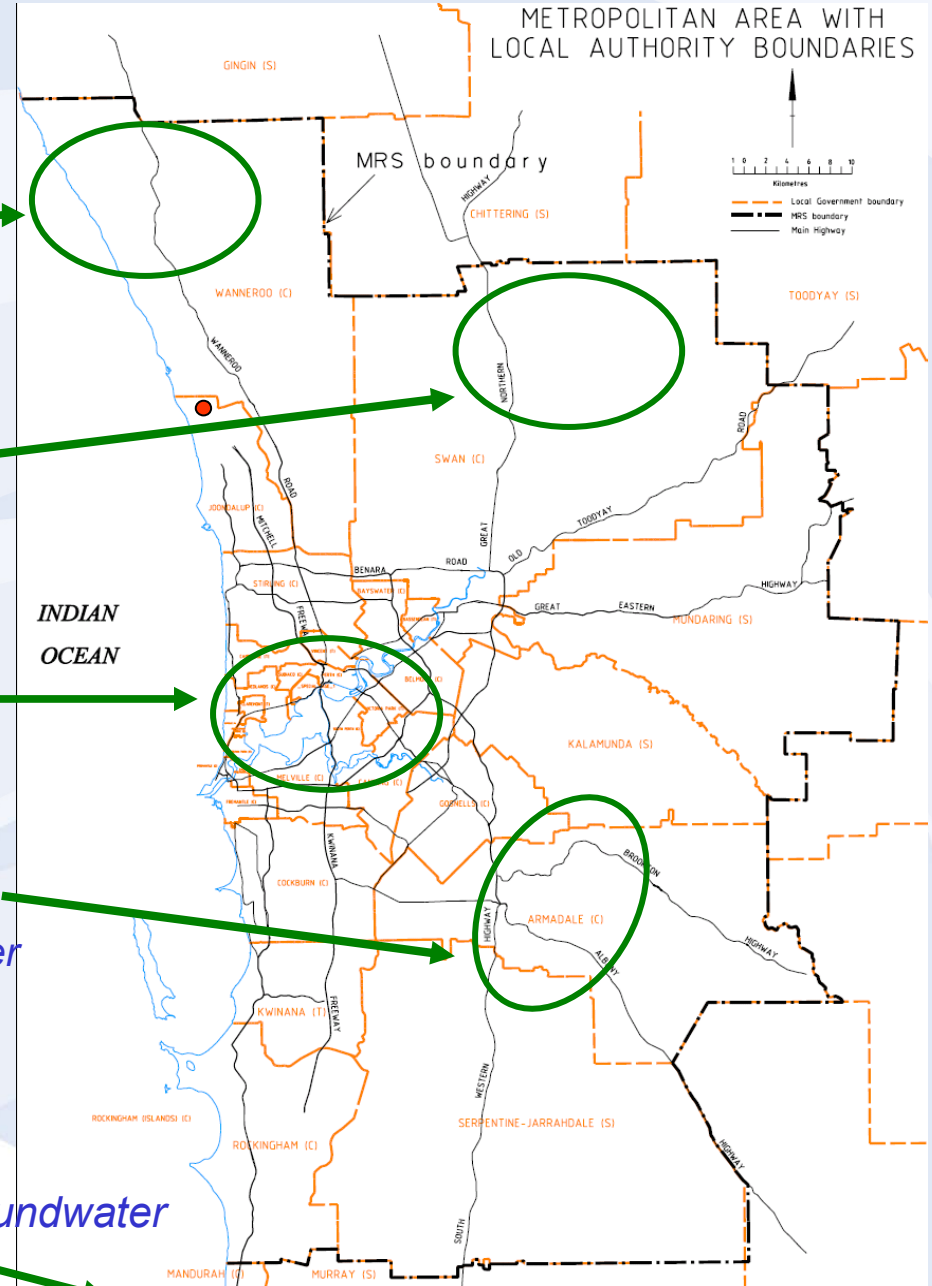
- *Sewer Mining*

South East Corridor:

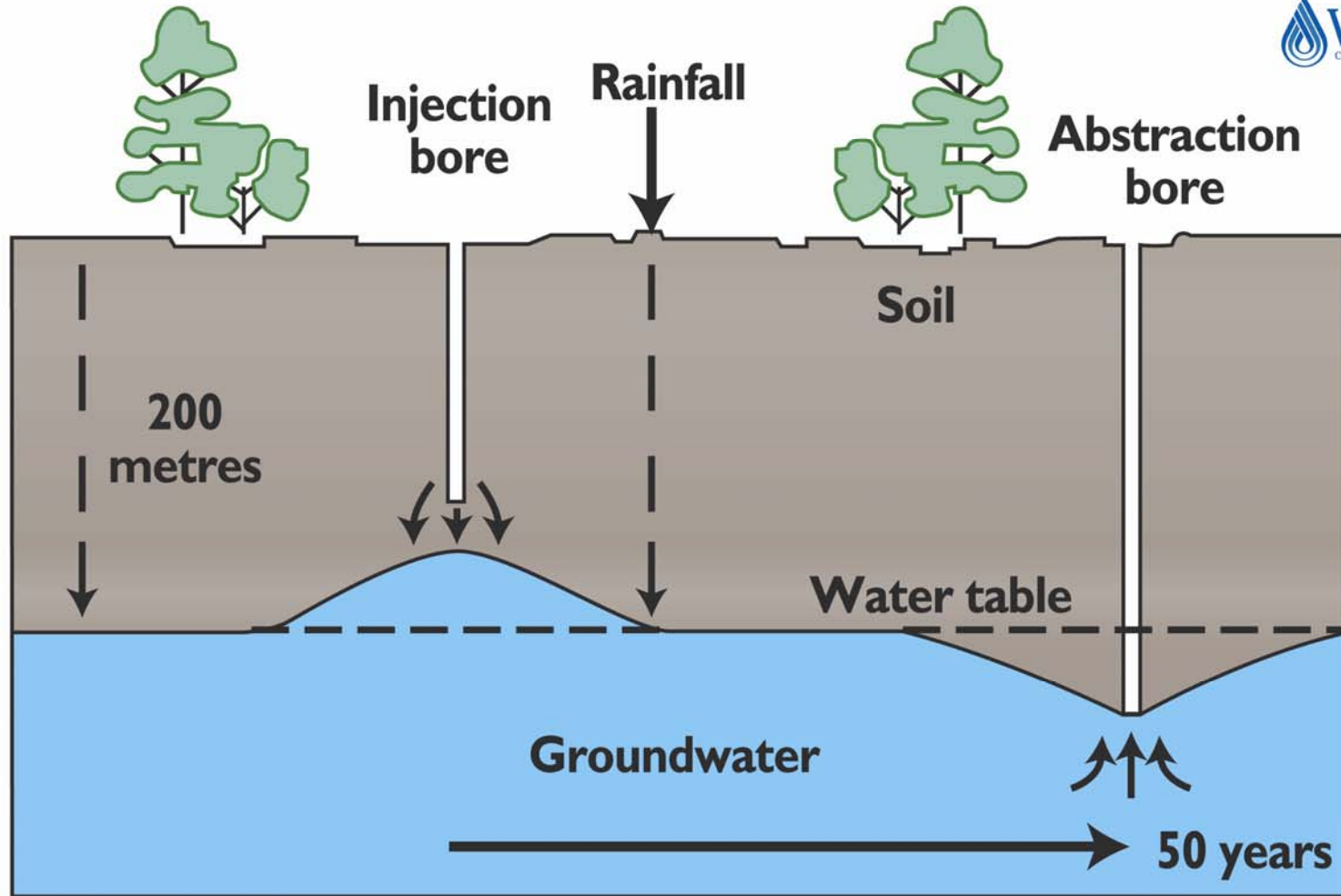
- *Drainage MAR*
- *Treated Wastewater*

Peel –

- *Local Groundwater*

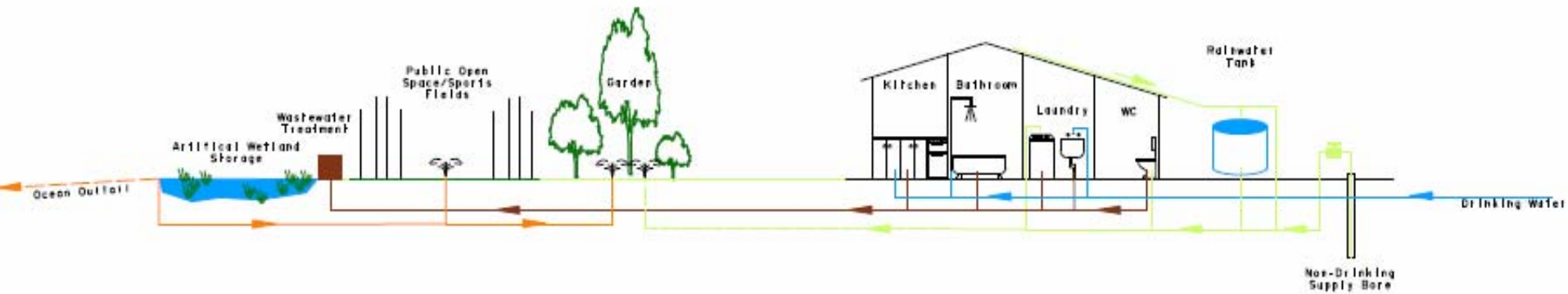


GROUNDWATER REPLENISHMENT TRIAL



Managing Supply

Meeting Non Drinking Water needs



Driving Water Conservation – Permanent water saving measures

- A permanent watering day roster for scheme water users across WA (2 permanent state-wide watering roster zones);
- Appropriate watering rosters for scheme water users state-wide is based on regional soil, climate and garden needs coupled with sound watering practices;
- 3-day a week watering roster for garden bores in the Perth Region (Perth and Mandurah).
- State-wide daytime sprinkler ban compliance by all local government and government departments.



From October 1, new water efficiency measures are being introduced across the community to establish Waterwise for WA and protect our precious water resources. This will involve homeowners, businesses, schools, local councils and Government departments using water in a more sustainable way. Regional homeowners will be asked to join Perth, Mandurah and towns along the Goldfields pipeline in adopting an effective garden watering roster scheme. Rosters give homeowners specific days each month when watering with sprinklers or irrigation systems using scheme water is allowed. Experts agree these rosters will provide more than enough water to maintain a waterwise garden.



North of Kalbarri & Kalgoorlie Watering Days	
Last digit of your lot or house number	Your scheme watering days are:
1	1st, 3rd, 5th, 7th, 9th, 11th, 13th, etc.
2	2nd, 4th, 6th, 8th, 10th, 12th, 14th, etc.
3	1st, 3rd, 5th, 7th, 9th, 11th, 13th, etc.
4	2nd, 4th, 6th, 8th, 10th, 12th, 14th, etc.
5	1st, 3rd, 5th, 7th, 9th, 11th, 13th, etc.
6	2nd, 4th, 6th, 8th, 10th, 12th, 14th, etc.
7	1st, 3rd, 5th, 7th, 9th, 11th, 13th, etc.
8	2nd, 4th, 6th, 8th, 10th, 12th, 14th, etc.
9	1st, 3rd, 5th, 7th, 9th, 11th, 13th, etc.
0	2nd, 4th, 6th, 8th, 10th, 12th, 14th, etc.

Understanding the new garden watering roster for homeowners in all towns north of Kalbarri and Kalgoorlie

Altra has been driven to distinguish north and south regional WA, based on factors including water saving potential, soil types and climate patterns. Homeowners in all towns north of Kalbarri and Kalgoorlie will be asked to limit their garden watering, using scheme water, to every second day, based on house or lot number and day of the month. To find out your watering days refer to the roster.

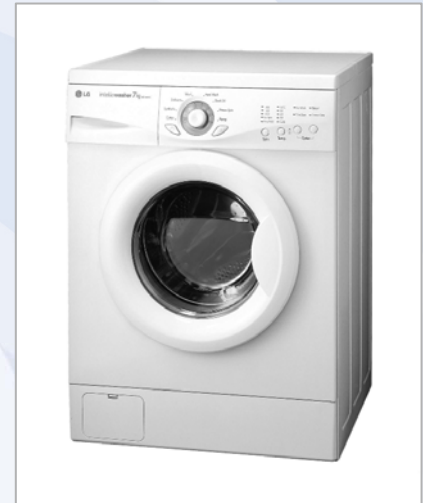
Daytime sprinkler ban

To reduce the need for long-term water conservation, the daytime sprinkler ban, between 9am and 6pm, will continue to apply State-wide for both scheme water users and bore owners.

We can all work together for WA's water future by using our precious water wisely. For more information on the new water efficiency measures, visit waterwisewaysforwa.com.au or call the Waterwise helpline on 13 10 34.

Driving Water Conservation – Building Codes of Australia

- New 5 Star Plus standard for all new homes;
- The Water Code:
 - ‘To reduce water demand by efficiently using water and minimising the wasting of water; and
 - facilitating the appropriate use of alternative sources of water’
- Minimum Requirements (Stage 1):
 - Taps: 4 star WELS rated;
 - Showerheads: 3 star WELS rated;
 - Toilets: Dual Flush 4 star WELS rated;
 - Water heating systems located not more than 20m from furthest outlet;
- Subsequent stages will address alternative water sources;



Waterwise Rebate Program

- The Water Corp promoting and operating scheme on behalf of Government.
- Rebates offered for a range of waterwise products including washing machines, garden bores, rainwater tanks etc;
- Over 305,000 applications totalling approximately \$37 million rebated to date;
- Estimated water saving = approx. 6 GL pa



Questions?

