

Being Smart with Water

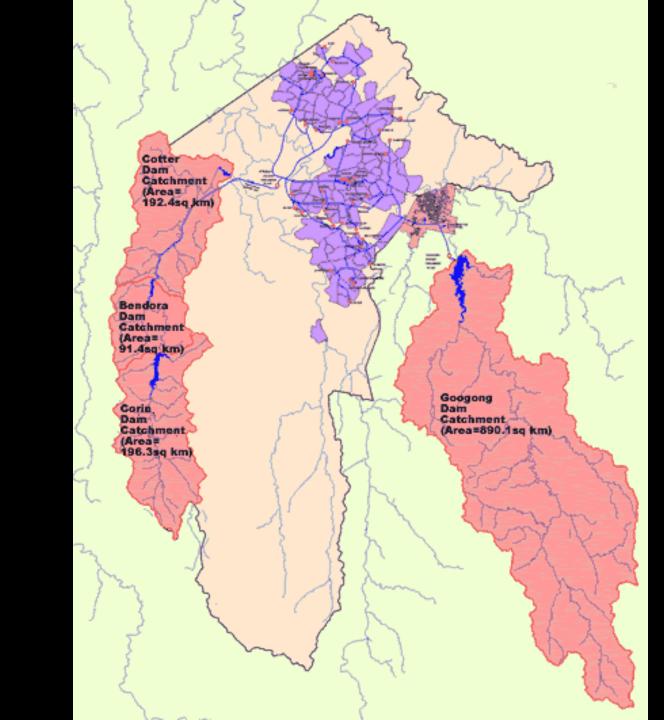
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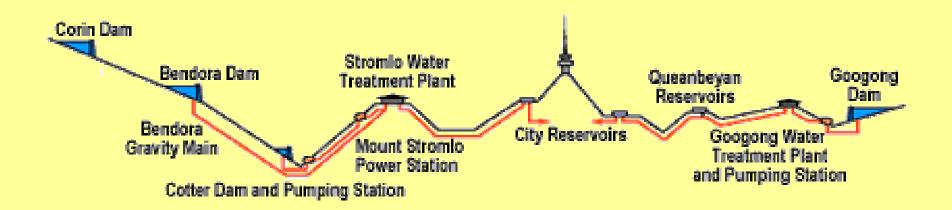


Being Smart with Water:

- Holistic approach to land & water
- Catchment as the template
- Start managing water as close to source as possible
- Drainage water is a resource
- Water Sensitive Urban Design to guide development



ACT's water supply system



CATCHMENT

Buildings & landscape

Building function, form & amenity values



Blocks, streetscape & neighbourhood

Landscape, recreation & amenity values



Sub-catchment urban waterways

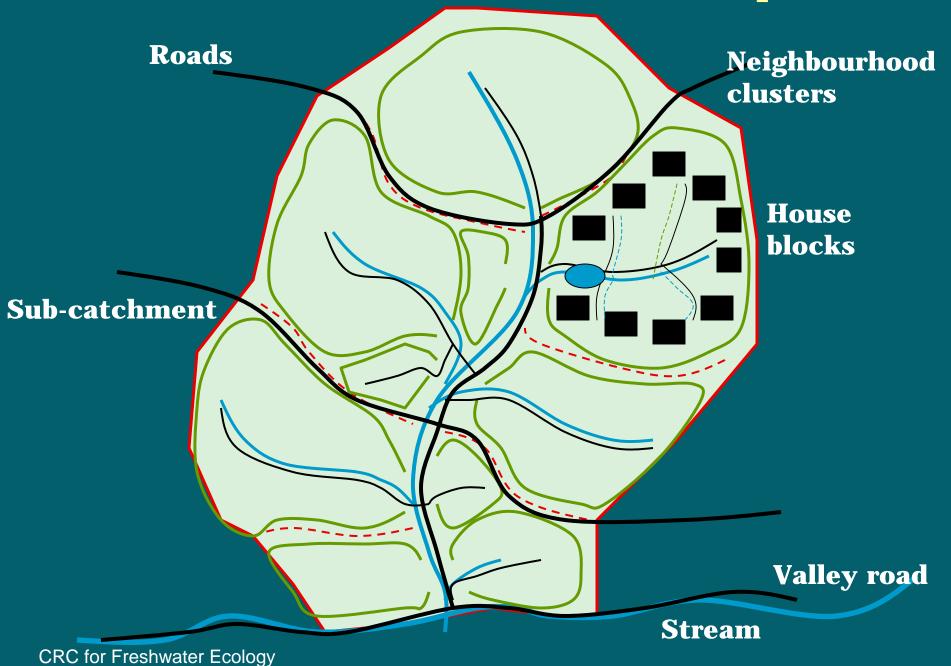
Landscape, recreation, conservation & amenity values



Regional waterways

Conservation, landscape, recreation,& amenity values

WSUD: Catchment as the template



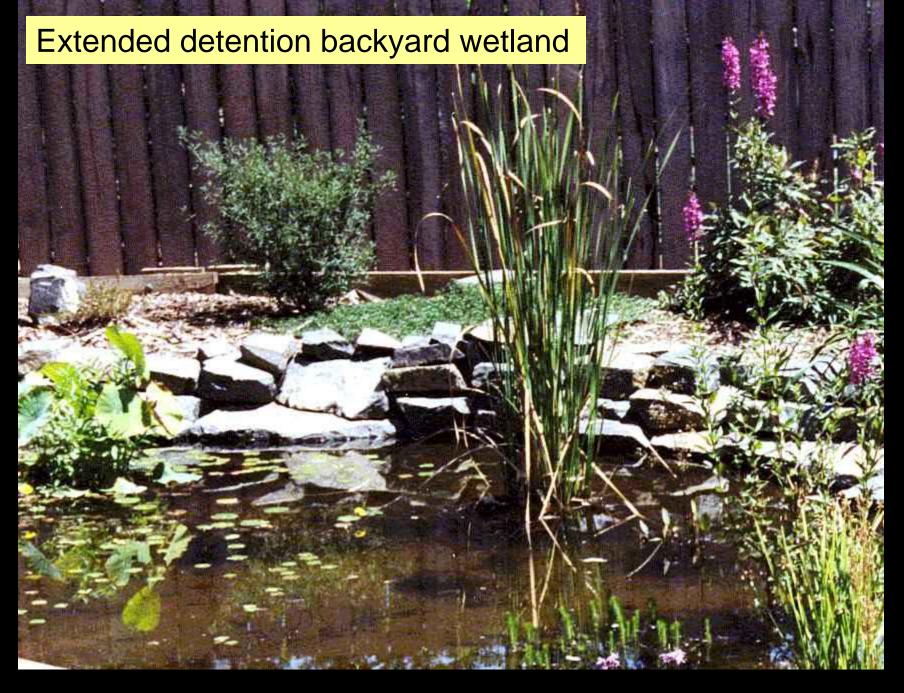


WSUD: Starting from source - backyard

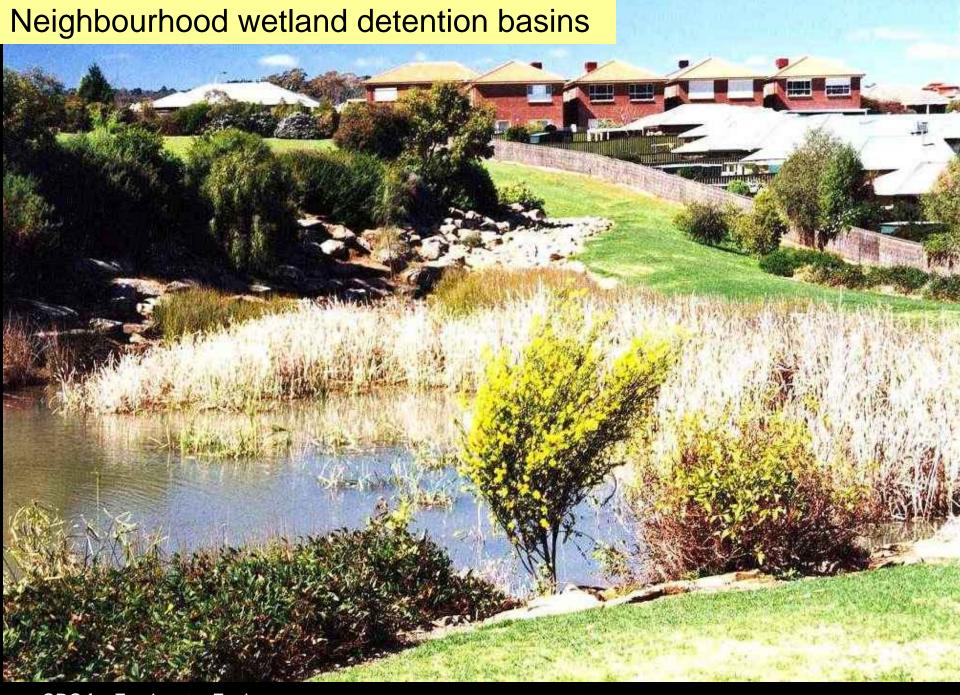


Create permeable surfaces









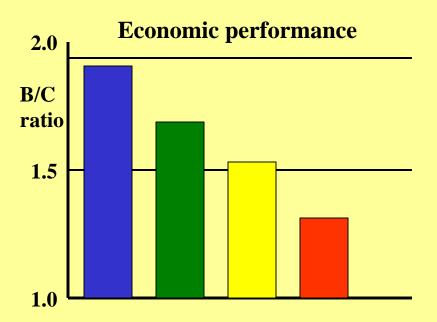
Neighbourhood wetland channel grove

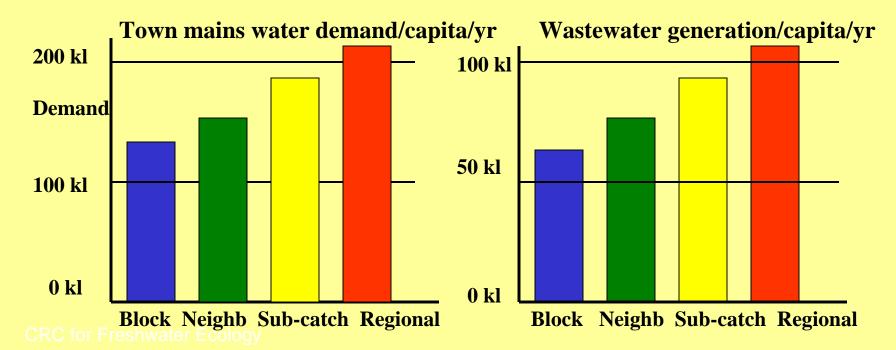


CRC for Freshwater Ecology



Performance of urban water management strategies







Sub-catchment integration - Homebush Bay saved \$650,000 pa.

Plan of Canberra's Stormwater Management Measures Gungahlin Murrumbidgee Belconnen River Nth Canberra Molonglo River Molonglo River Sth Sanberra Queanbeyan Woden Legend Murrumbidgee River Lakes **Tugg**eranong Ponds/Wetlands **GPTs** Scale Waterways 5 10 **Rivers**

If we are smart, then water need not be an impediment to sustainable growth of the ACT Capital region

But, if we are dumb, development will put additional pressure on our drinking water supplies and on the health of our waterways

