

Catchment Values

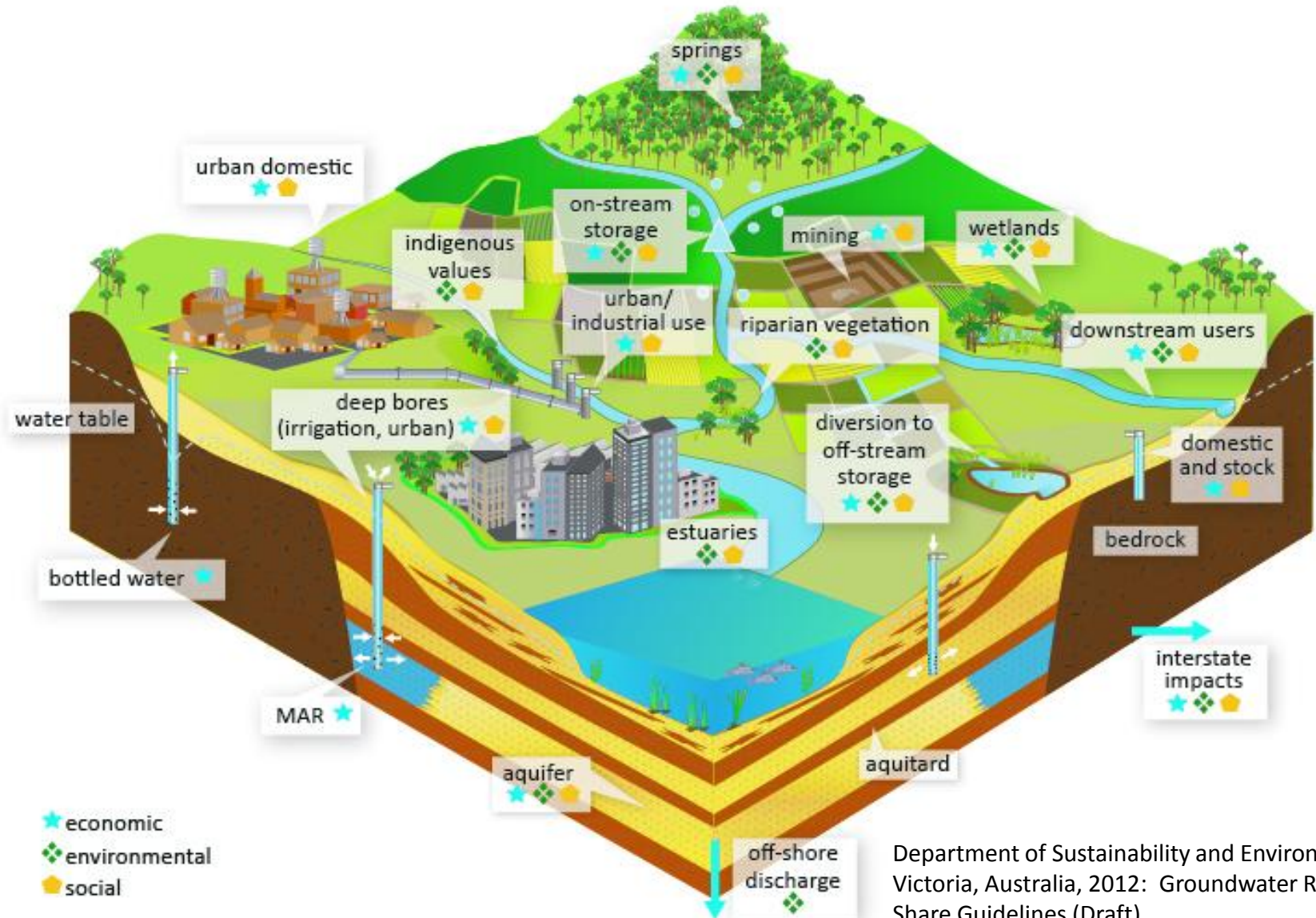
- ecosystem services by another name

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Catchment values that may have a dependency on groundwater



Department of Sustainability and Environment,
Victoria, Australia, 2012: Groundwater Resource
Share Guidelines (Draft).

Key features and associated values that may be dependant on groundwater

Features	Values Associated with Features									
	Environmental			Social		Economic				
	Aquatic Flora & Fauna	Riparian environment	Terrestrial environment	Cultural Services	Recreational	Food and Fibre	Tourism	Urban	Industrial	Bottled Water
Springs (P)	√	√	√	√	√	√	√	√	√	√
Waterway (C)	√	√		√	√	√	√	√	√	√
Wetlands (P/C)	√	√		√	√	√	√			
Estuaries (C)	√	√		√	√		√			
Terrestrial vegetation (C)	√	√	√	√	√	√				
The aquifer (P)	√			√	√	√		√	√	√
Offshore discharge (C)	√									
Interstate discharge (C)	√	√	√	√	√	√	√	√	√	√

(P) = Primary dependence and (C) = Groundwater contributes to the feature

Key points

- Victoria, Australia is moving toward a values based approach to groundwater resource management
- This recognises that there are a range of values in a catchment (social, economic, environmental) that may be contributed in whole or in part by groundwater
- To plan for equitable sharing of groundwater resources, there is a need to identify these values, set objectives for “acceptable” impacts on the values, and then “manage” through instruments and off-sets an acceptable sharing of the resource.
- The implementation of this framework is still underway. Final outcomes will depend on further stakeholder engagement.