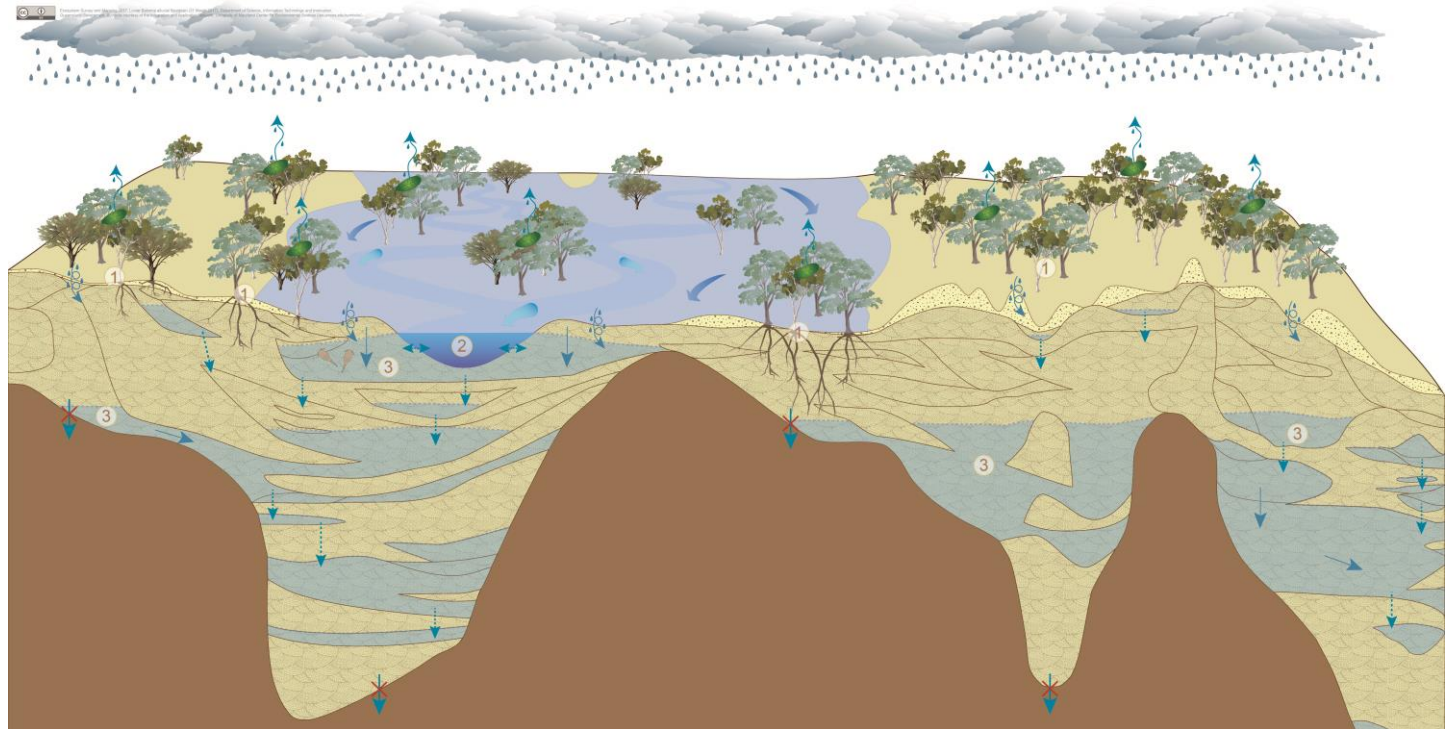


# Groundwater dependent ecosystem pictorial conceptual model 'lower Balonne alluvial floodplain'

Version 1.5

## Lower Balonne alluvial floodplain

Alluvial aquifers are formed from particles such as gravel, sand, silt and/or clay deposited by physical processes in river channels or on floodplains. These deposits store and transmit water through intergranular voids. In floodplain environments these alluvial aquifers may have groundwater flow systems ranging from a local (e.g. a few kilometres) to regional (e.g. hundreds of kilometres) scale.



### Geology legend

-  Alluvia  
Unconsolidated sand and clay
-  Low permeability rock

-  Soil

## Groundwater hydrology legend

	Alluvia (saturated)		Direction of groundwater movement
	Alluvia (unsaturated)		Groundwater leakage
	Colluvia (unsaturated)		Negligible groundwater movement
	Low permeability rock (unsaturated)		Direction of surface water movement in the channel
	Groundwater table		Direction of surface water movement outside of a channel
	Infiltration and percolation Rain infiltrates through the soil to recharge the aquifer below		

## Flora legend

	<i>Casuarina</i> spp.		<i>Eucalyptus</i> spp.
	Evapotranspiration Process whereby plants draw water up through their roots and move it out through their leaf pores		

## Fauna legend

	Stygofauna Aquatic fauna that live in groundwater
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## Groundwater dependent ecosystem legend

	Terrestrial GDEs Regional ecosystems and riverine wetlands may depend on the subsurface presence of groundwater within the capillary zone for some or all of their water requirements.		Surface expression GDEs Lacustrine wetlands, palustrine wetlands and riverine water bodies may depend on the surface expression of groundwater for some or all of their water requirements.
	Subterranean GDEs Aquifer and cave subterranean wetlands may depend on the subterranean presence or expression of groundwater for some or all of their water requirements.		

## Citation

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