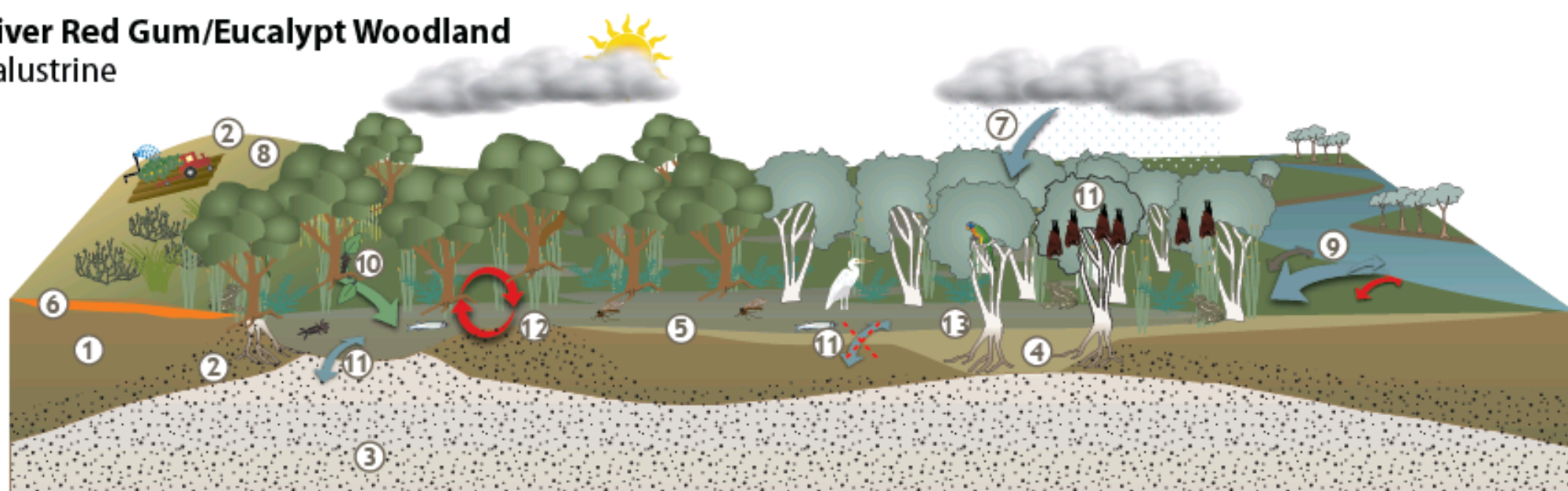








# River Red Gum/Eucalypt Woodland Palustrine



It is an area of very high biodiversity and is habitat to many species, including birds, fish and mammals  
Water can high turbidity  
Threats to the system include rising groundwater, increased salinity and excess or inefficient irrigation activity  
Location: Murray River

## Features

- ①  Sediments
- ②  Unsaturated porous media
- ③  Saturated porous media
- ④  Old creek channels are found in the sediment layers
- ⑤  Clay soils hold water in the swamp and restricts groundwater exchange
- ⑥  Potential acid sulphate soils



Black Box



River Red Gum

## Processes

- ⑦ Precipitation, overland flow and groundwater all input water into the swamp
- ⑧ Swamps are located behind floodplains, depressions, floodrunners and overbank flow
- ⑨ Nutrients and sediments are exchanged in overland flow with adjacent rivers
- ⑩ Allochthonous inputs of plant and animal matter are important
- ⑪ Groundwater - surface water interaction, or no interaction
- ⑫ Nutrients are cycled through tree growth and decay
- ⑬ Eucalypt leaves cause staining of the swamp water, creating 'black water'

## Species Diversity (Qualitative TBD)



## Species Endemism (Qualitative TBD)



## Salinity Threshold

