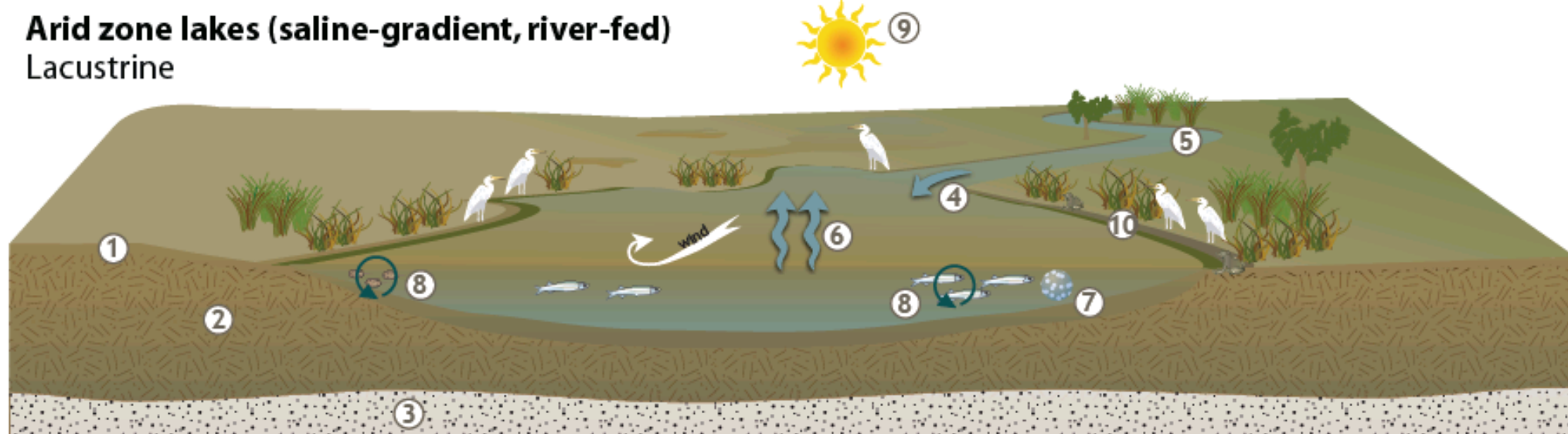


# Arid zone lakes (saline-gradient, river-fed)

## Lacustrine



The water is high in salinity with a limited input of nutrients

The lakes can be up to 2.5m in depth

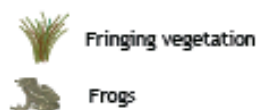
The area is sparsely vegetated

The main threats to the system are the water extraction/diversion, floodplain diversion and climate

Location: Coongie Lakes, Lake Frome

### Features

- ① Sediments
- ② Soil permeability is low
- ③ Aquifer: Saturated porous media



### Processes

- ④ Connectivity to other waterbodies supplies majority of input, low groundwater and rainfall inputs
- ⑤ These lakes are generally terminal but may also occur within the channels of riverine systems
- ⑥ Evaporation rates are very high
- ⑦ Conductivity gradients influence biota
- ⑧ Boom bust populations of invertebrates, fish and birds are associated with flooding events
- ⑨ Climate is a driving factor with low rainfall, high temperatures and wind
- ⑩ Bath ring effect of shallow littoral benthic production

### Species Diversity (Qualitative TBD)



### Species Endemism (Qualitative TBD)



### Salinity Threshold

