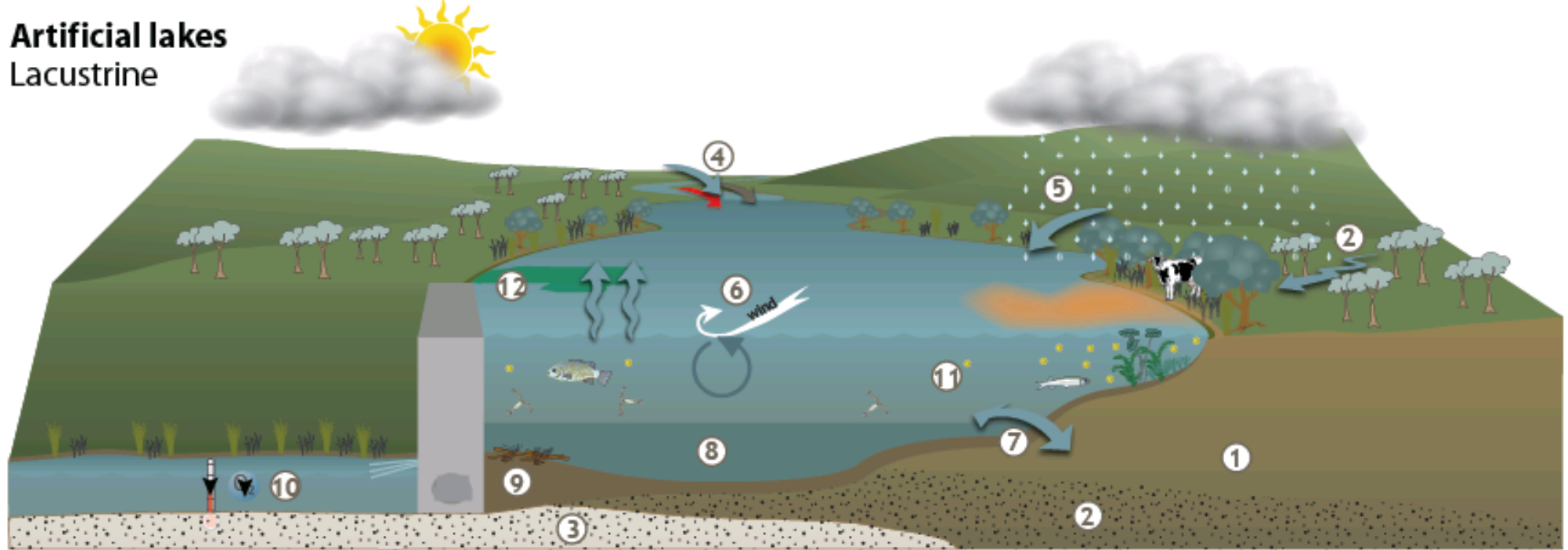


Artificial lakes

Lacustrine



Reservoirs are used to store imported River Murray water to supply Adelaide with drinking water: boating is not permitted

Myponga and Happy Valley are 2 reservoirs that employ the use of artificial mixing

There are no native fish present; only exotic gudgeons

Copper-sulphate is used to kill algae and therefore creates a build-up along the reservoir wall

Location: Myponga, Happy Valley Reservoirs

Features

- ① Sediments
- ② Unsaturated porous media
- ③ Saturated porous media



Riparian Growth



Fish



Fringing vegetation



Cow

Processes

- ④ Channel flow is the dominant source of water, sediment and nutrients to the lake
- ⑤ Rainfall and overland flow are also inputs of water to the lake
- ⑥ Wind causing mixing of lake waters
- ⑦ Groundwater - surface water interaction
- ⑧ Stratification zones can form when there is no mixing
- ⑨ Sediment and detritus can build up behind dam walls
- ⑩ Low water temperature and low dissolved oxygen levels can be found in downstream waters
- ⑪ There is a reduction in abundance and diversity of biota and conditions may favour pest species
- ⑫ There is the seasonal potential for blooms of toxic cyanobacteria in the upper layer with a scum forming

Species Diversity (Qualitative TBD)



Species Endemism (Qualitative TBD)



Salinity Threshold

