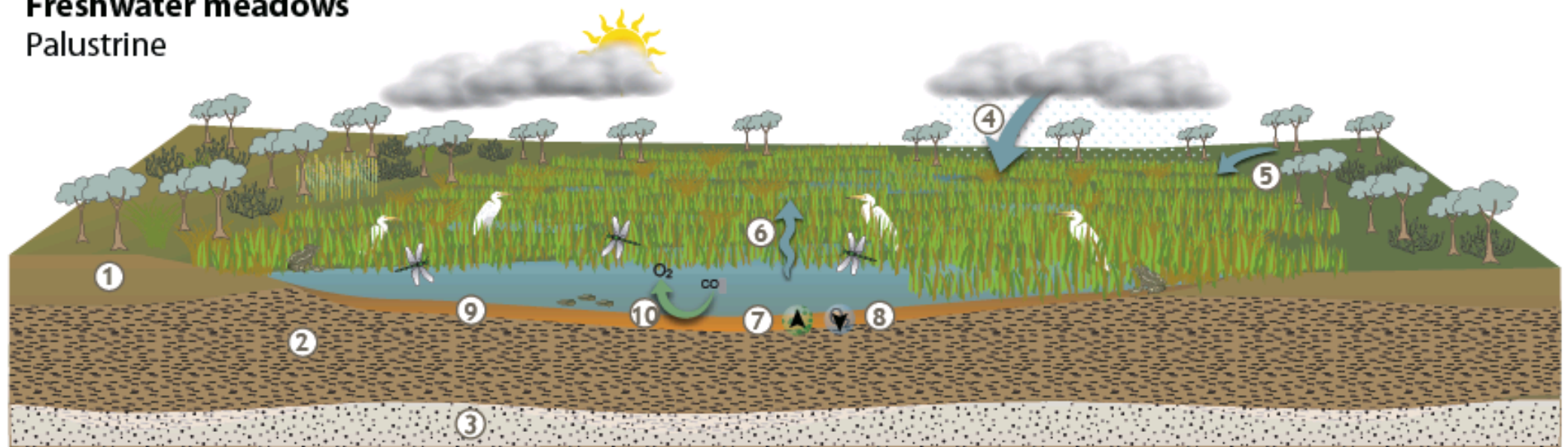


Freshwater meadows

Palustrine



Almost all freshwater meadows are cropped or grazed, and are heavily modified
 Freshwater meadows are an excellent breeding ground for beetles, bugs and frogs
 Aquifer levels increase with higher rainfall; water is present approximately 3/4's of the year
 The main threats to the systems are cattle grazing, cropping and ploughing
 Location: Mount Lofty region, Hay Plains NSW

Features

- ① Light silty clay
- ② Silty clay
- ③ Aquifer: Saturated porous media



Processes

- ④ Precipitation is the major input of water into the meadow
- ⑤ Runoff of freshwater from terrestrial areas
- ⑥ Evaporation rates are very high
- ⑦ There is high organic matter in the water column and sediments
- ⑧ Dissolved oxygen levels in the sediments are low
- ⑨ Sediments have high sulfide levels
- ⑩ Primary productivity is high

Species Diversity (Qualitative TBD)



Species Endemism (Qualitative TBD)



Salinity Threshold

