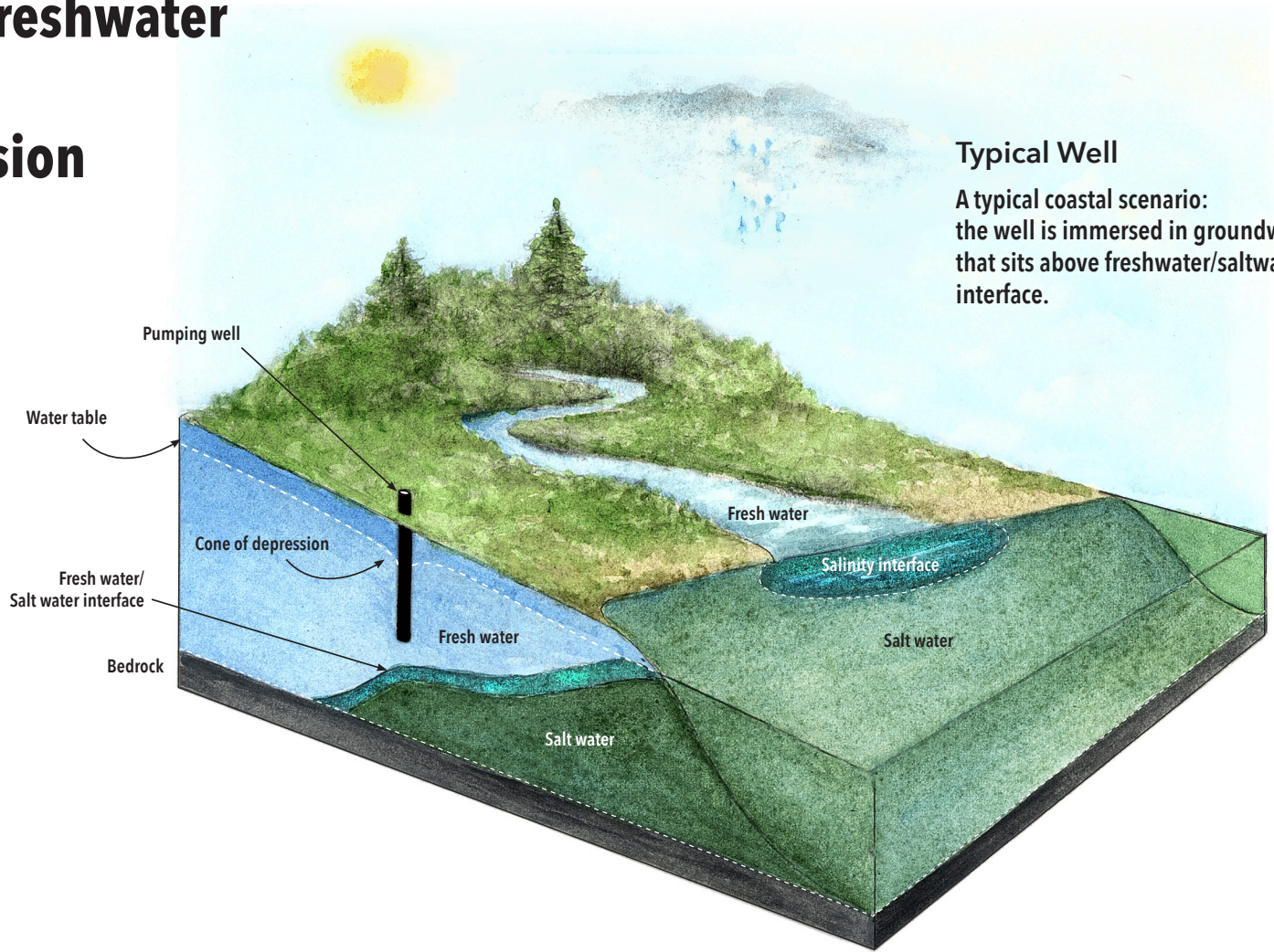


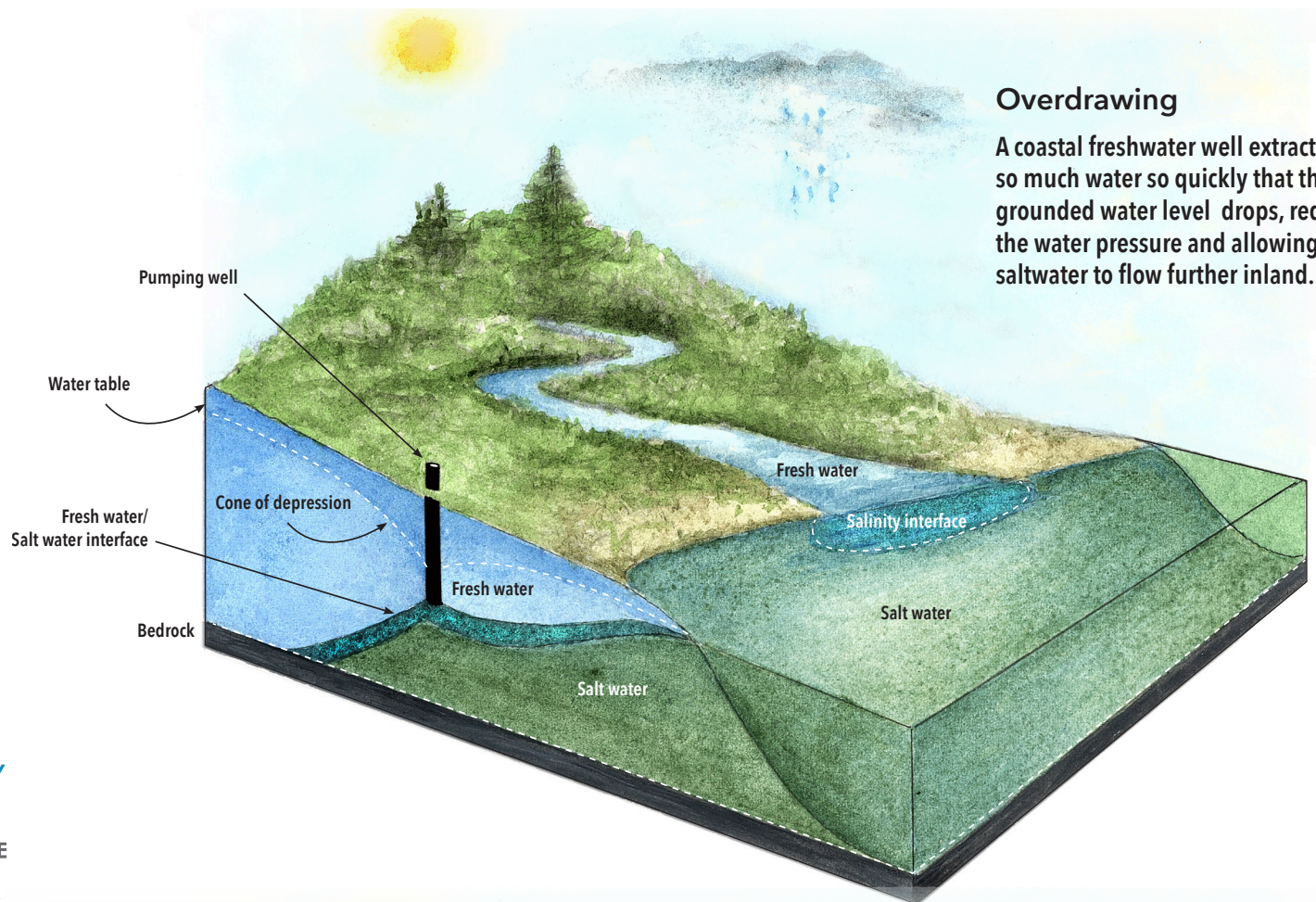
The Saltwater/Freshwater Interface and Saltwater Intrusion

Saltwater intrusion occurs when saline water moves into freshwater aquifers, which can lead to degradation of groundwater, including drinking water.



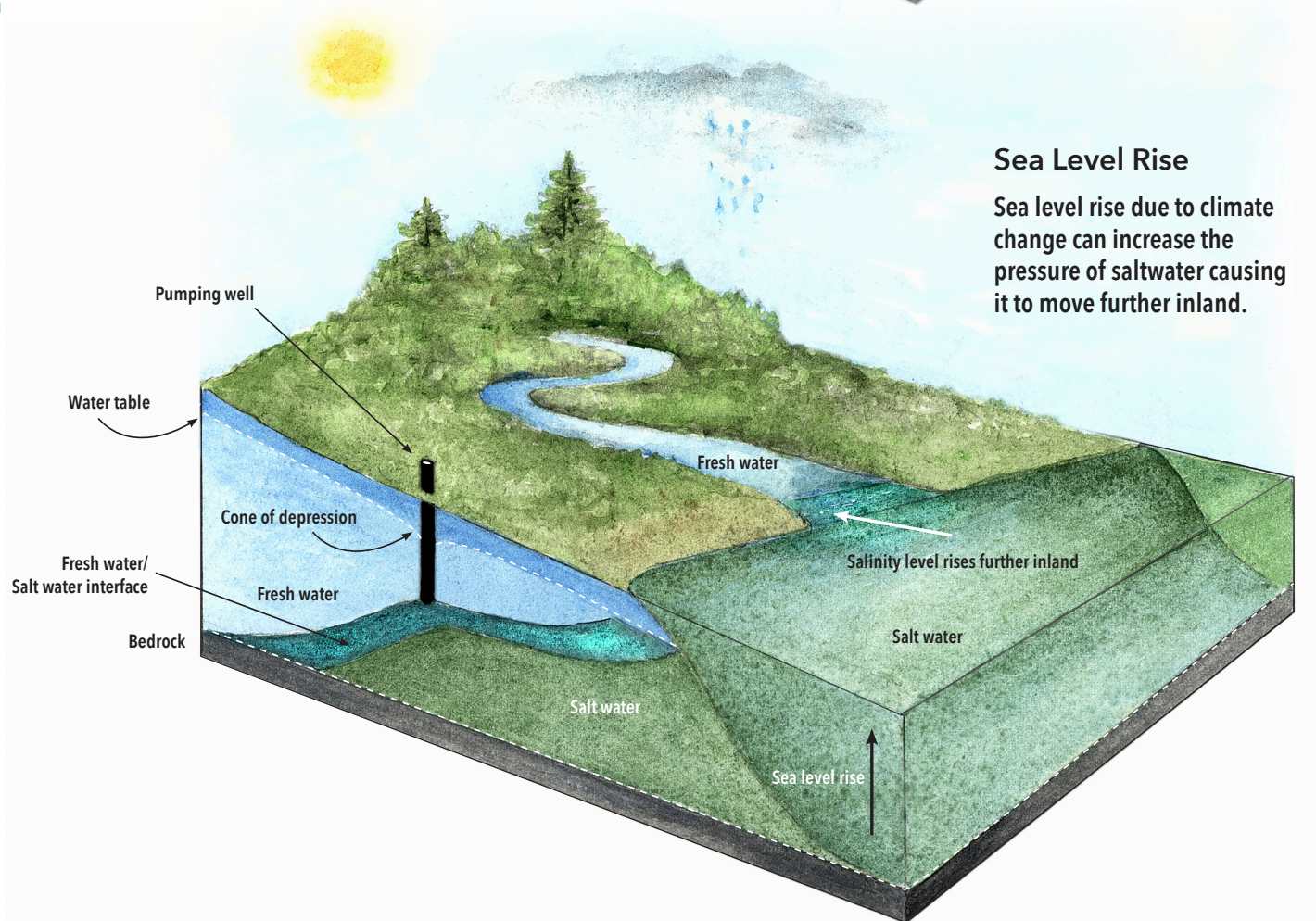
Typical Well

A typical coastal scenario: the well is immersed in groundwater that sits above freshwater/saltwater interface.



Overdrawing

A coastal freshwater well extracts so much water so quickly that the grounded water level drops, reducing the water pressure and allowing the saltwater to flow further inland.



Sea Level Rise

Sea level rise due to climate change can increase the pressure of saltwater causing it to move further inland.

