

# Arizona Project WET

## Groundwater Videos in the Making

WRRC Brown Bag

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THE UNIVERSITY OF ARIZONA

# Cooperative Extension

Arizona Project WET



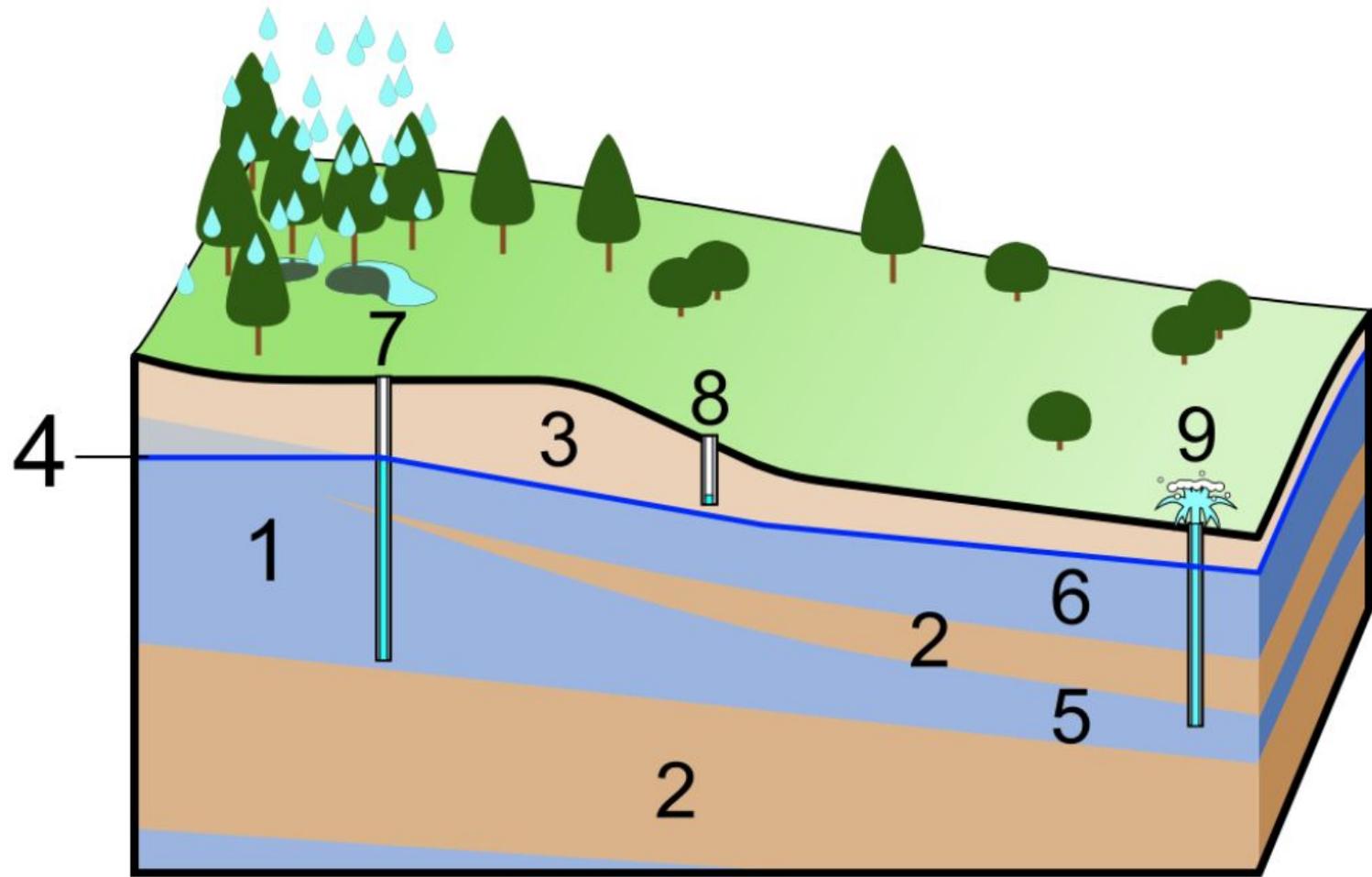
....in a big lake?

....in underground rivers, streams or water veins?

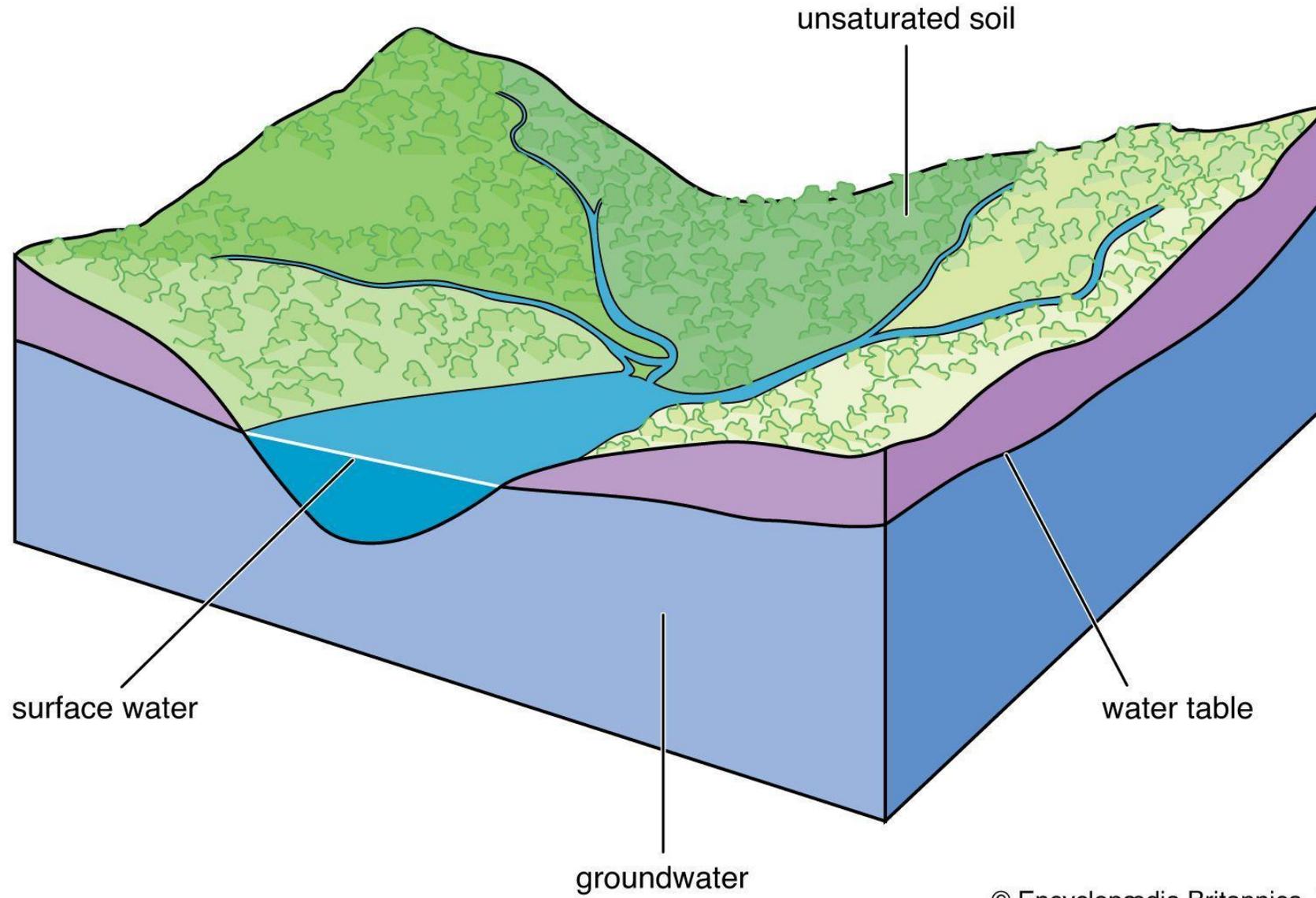
...accumulating in caves or cavities?

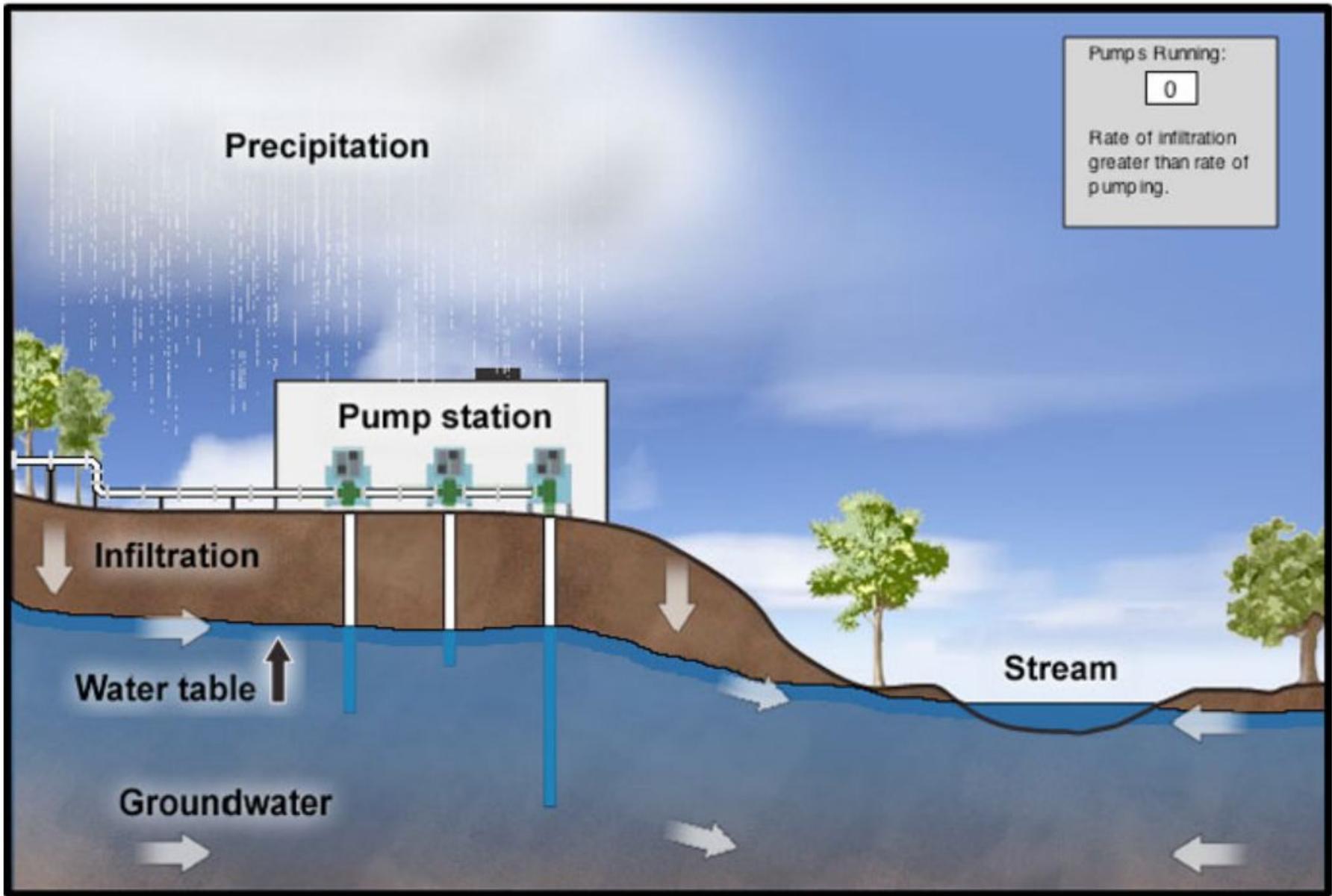


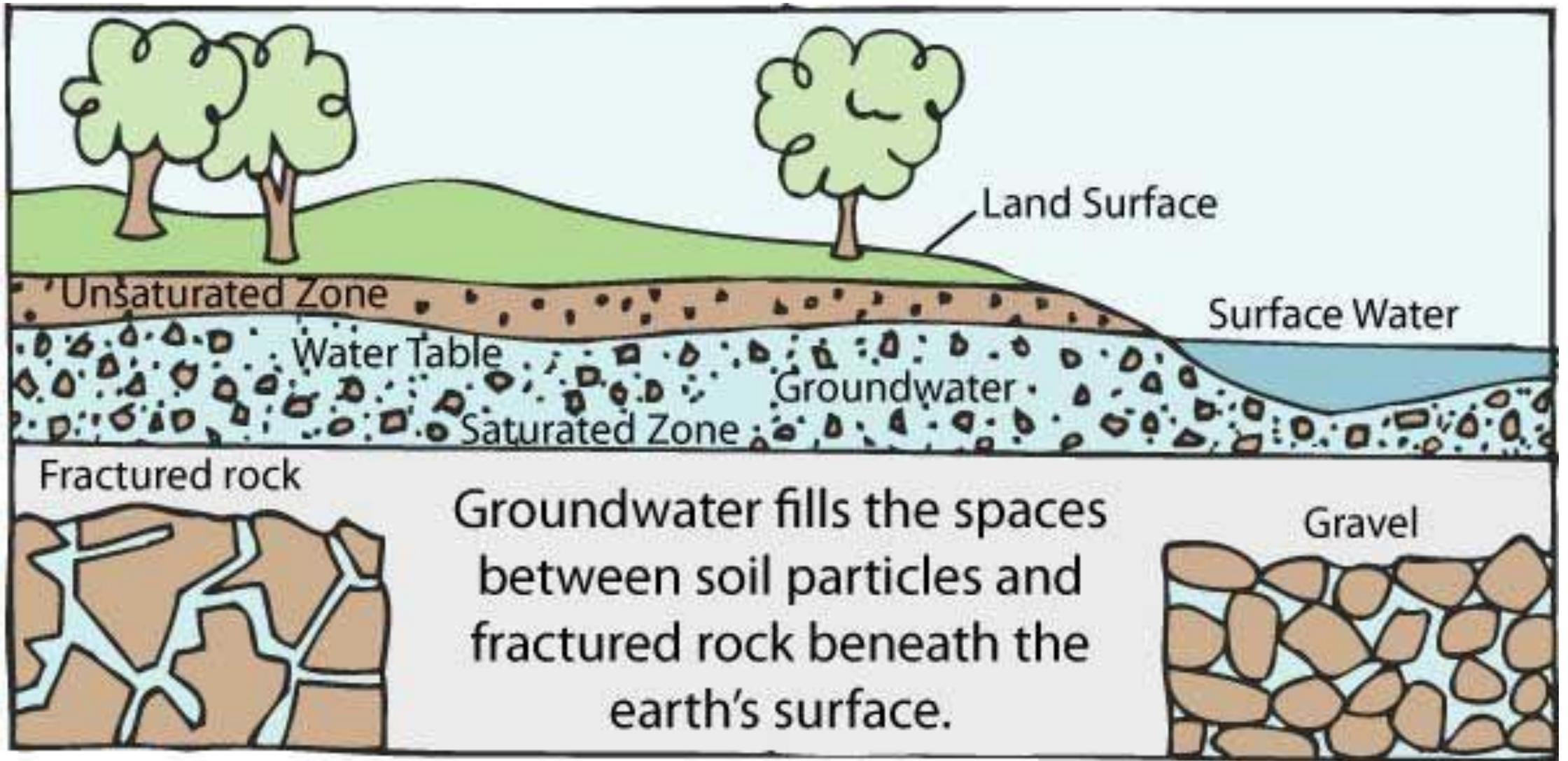
(Dickerson and Dawkins, 2004; Dickerson et al., 2005, 2007; Ben-zvi-Assarf and Orion, 2005; Reinfried, 2005, 2006a, b; Schultz, 2006; Schwartz et al., 2011)



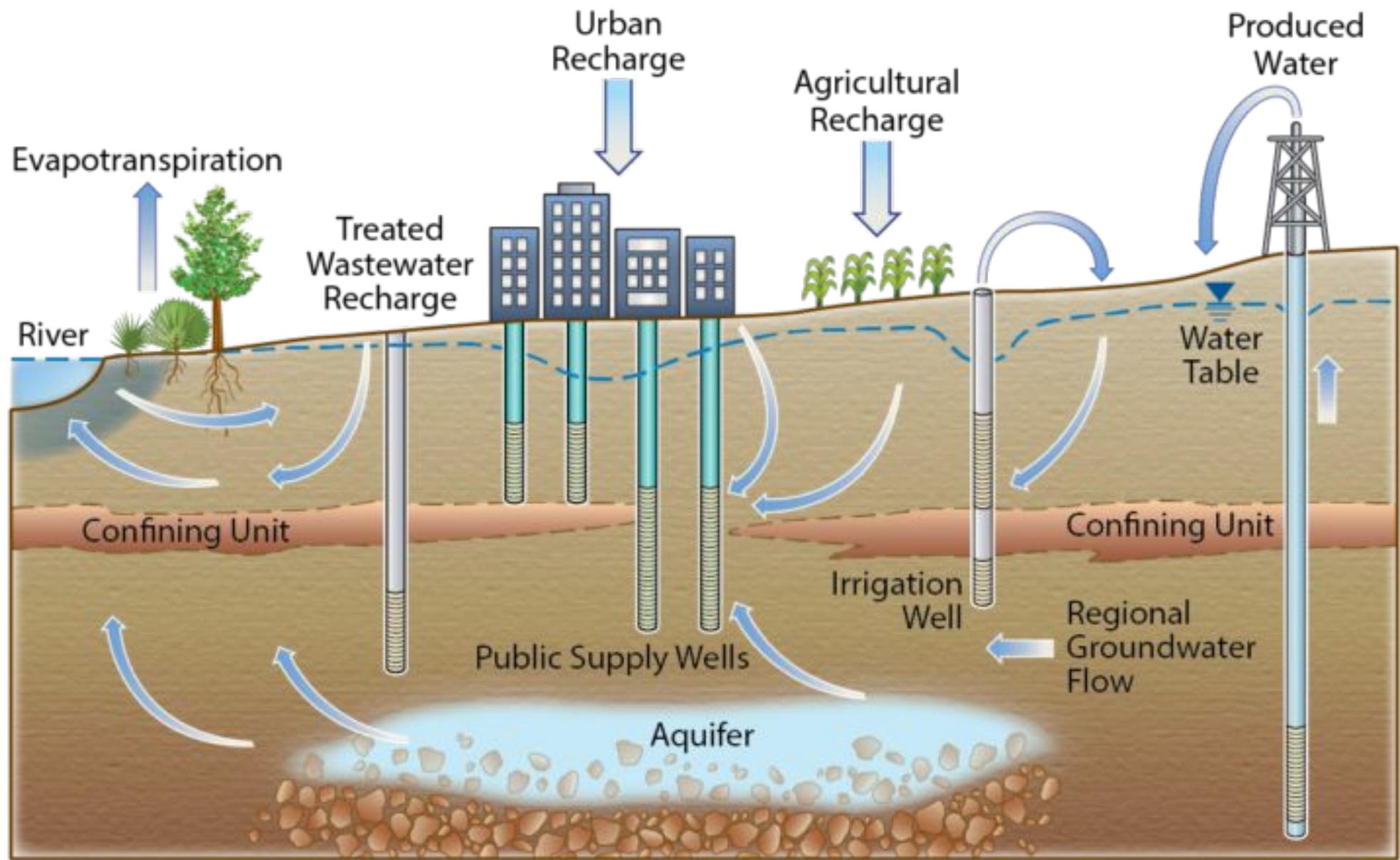
# How the water table looks in a cross section of land







Groundwater Foundation



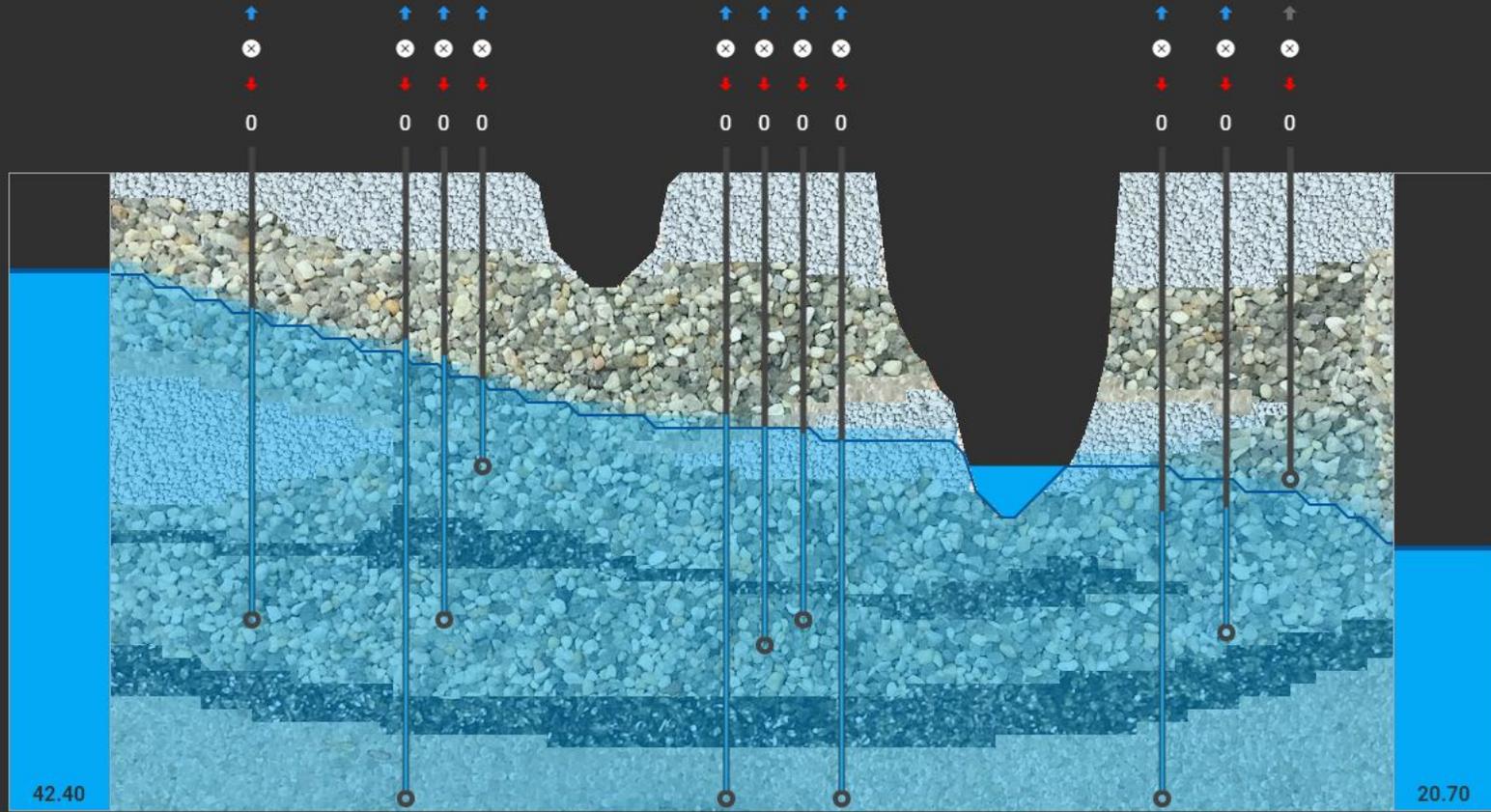
Lawrence Berkeley National Laboratory

# Big Ideas

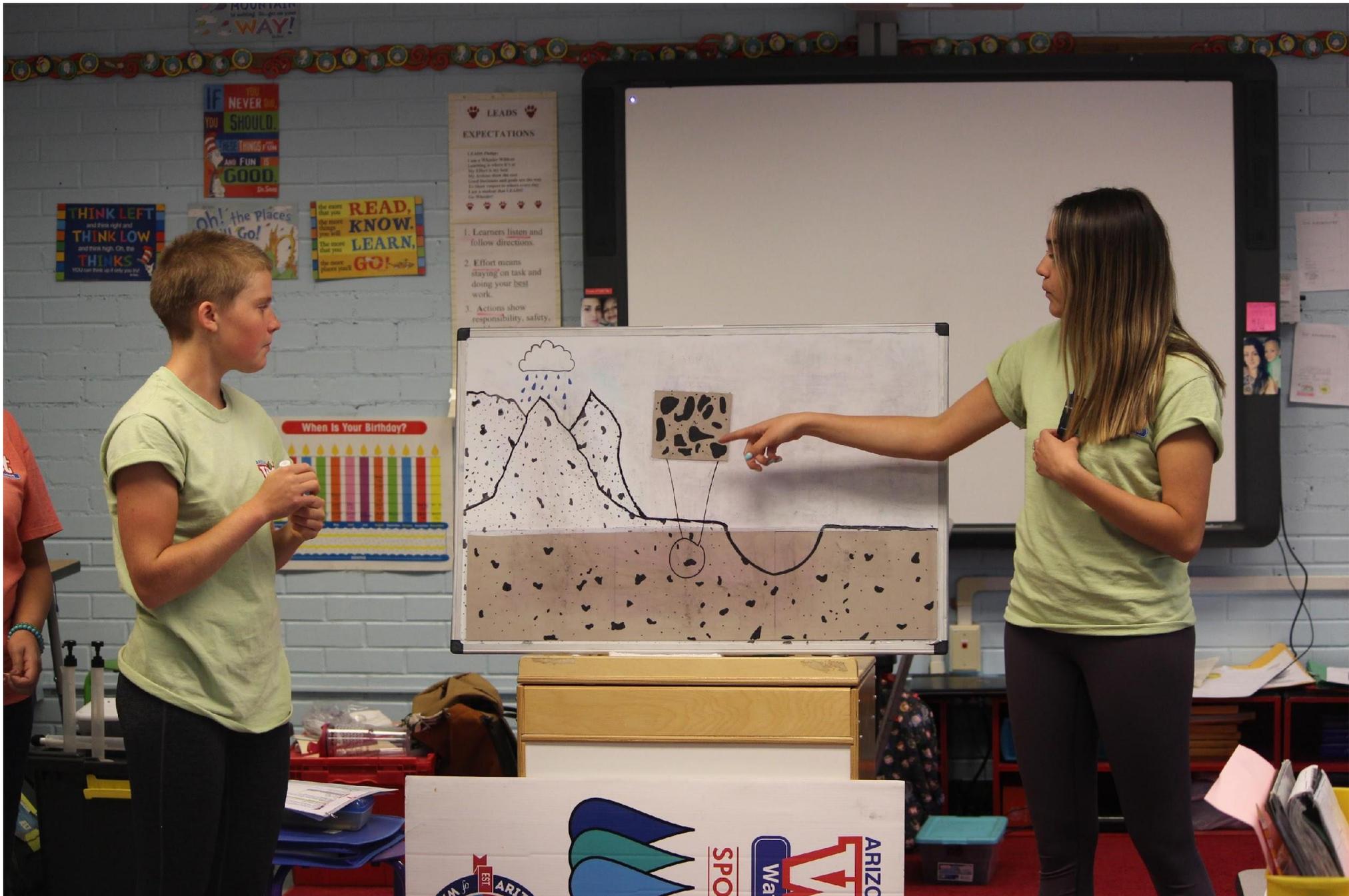
- Groundwater is between the grains of sand and gravel.
- Groundwater moves due to gravity.
- Groundwater and surface water are connected.
- We care about groundwater because we use it.
- Groundwater is a part of the water cycle













ARIZONA

GROUND  
WATER

EPISODE 1 OF 9

The Unique Hydrological Cycle of Arizona

## Video 1 - Water in Arizona



- + Introduction
- + Dramatic panoramic landscapes with music



- + Arizona is arid



- + Evaporation is 6 times the precipitation



- + All living things need water to survive



- + Humans have used natural and engineered systems to survive in this arid place



- + We're moving water from place to place and creating storage spaces for water



- + From watersheds and rivers to cities



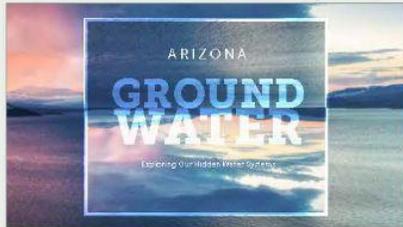
- + We're also pumping water out of the ground



- + 98 percent of Earth's available freshwater is groundwater



## Video 2 - Groundwater Basics



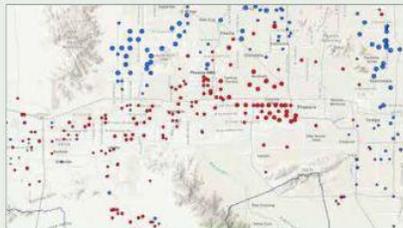
- + Introduction
- + Dramatic panoramic landscapes with music



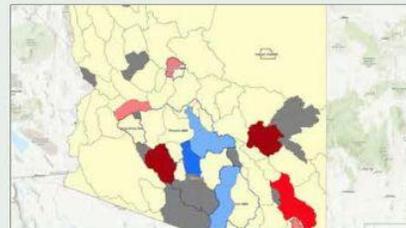
- + How do we access the water?



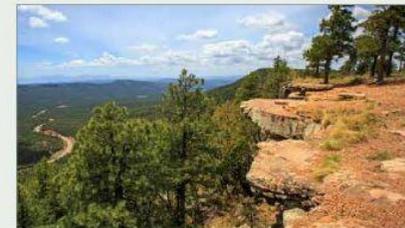
- + We drill wells into the ground and log the borehole as we drill



- + Map of wells across the state then pull back to show the provinces



- + Groundwater systems across the state



- + Basin fill aquifers, fractured rock aquifers and sandstone aquifers



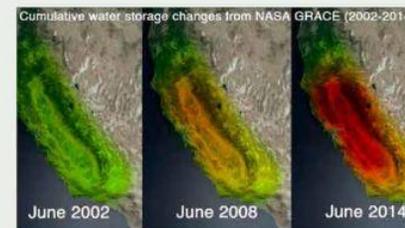
- + Stats about Arizona groundwater



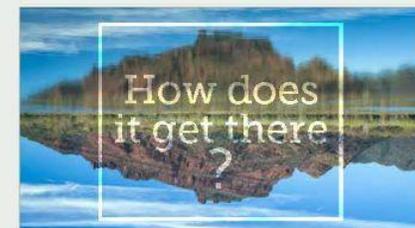
- + Global groundwater data and its part in feeding the world

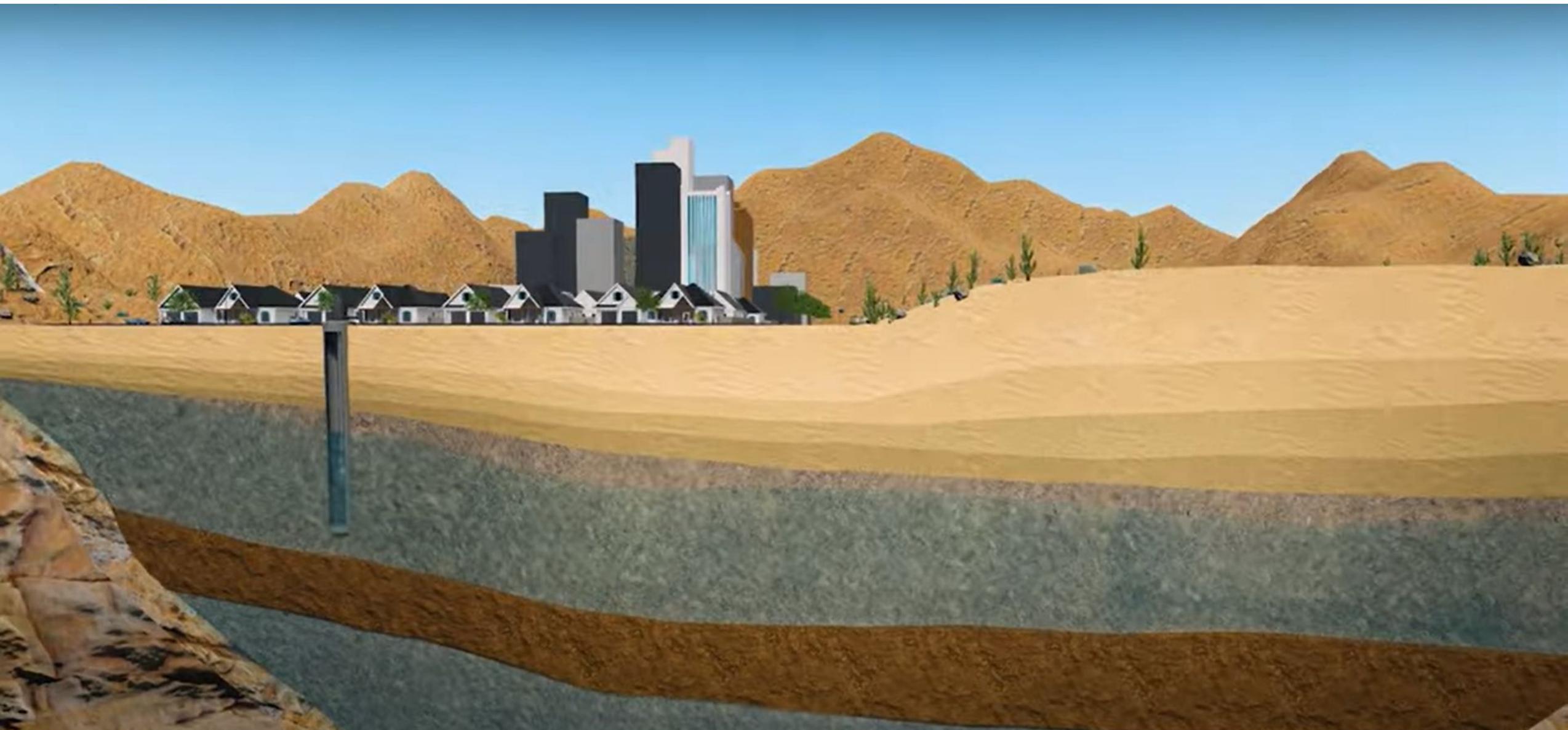


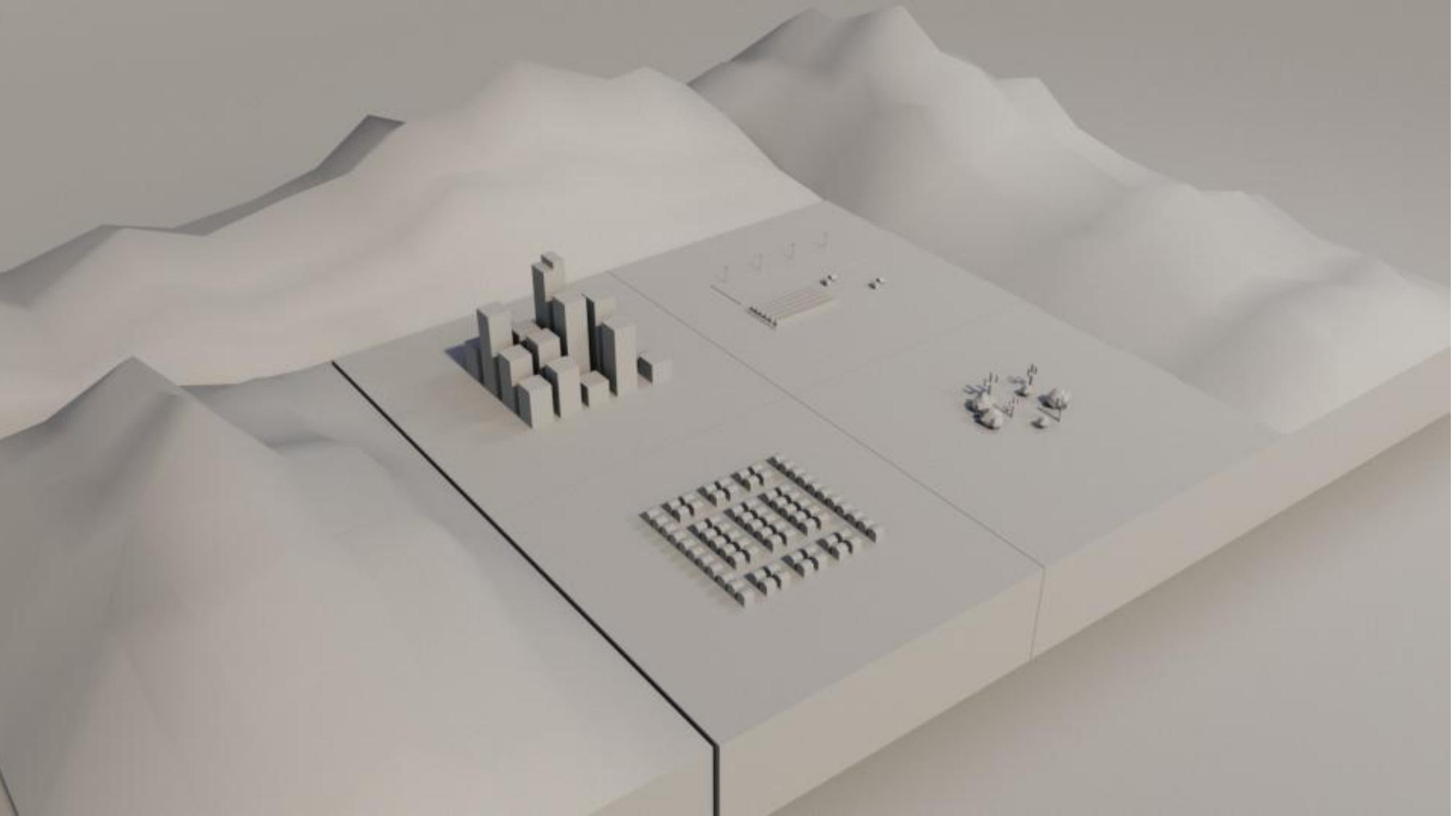
- + Groundwater is finite and moves slowly
- + The water is very old

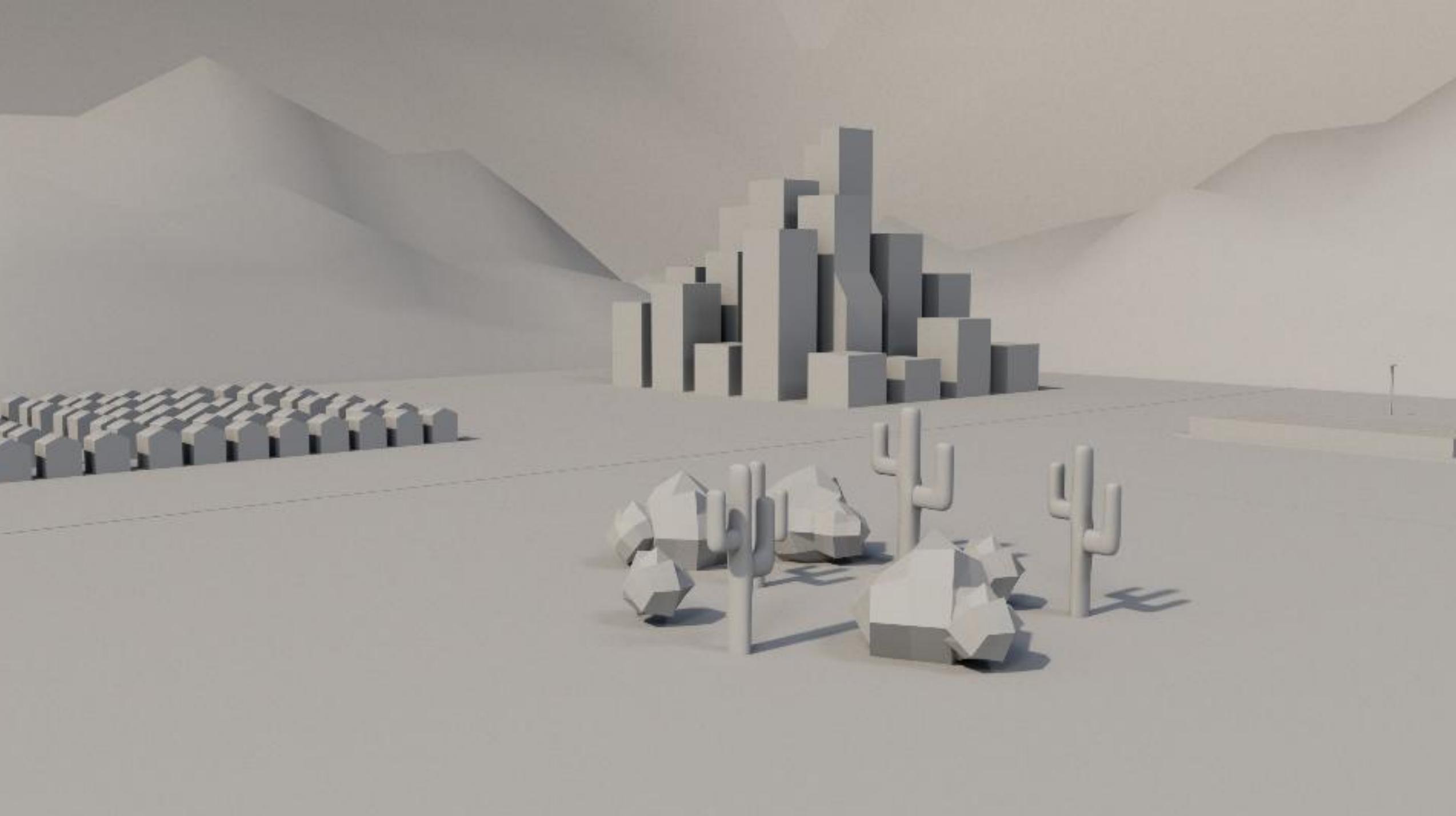


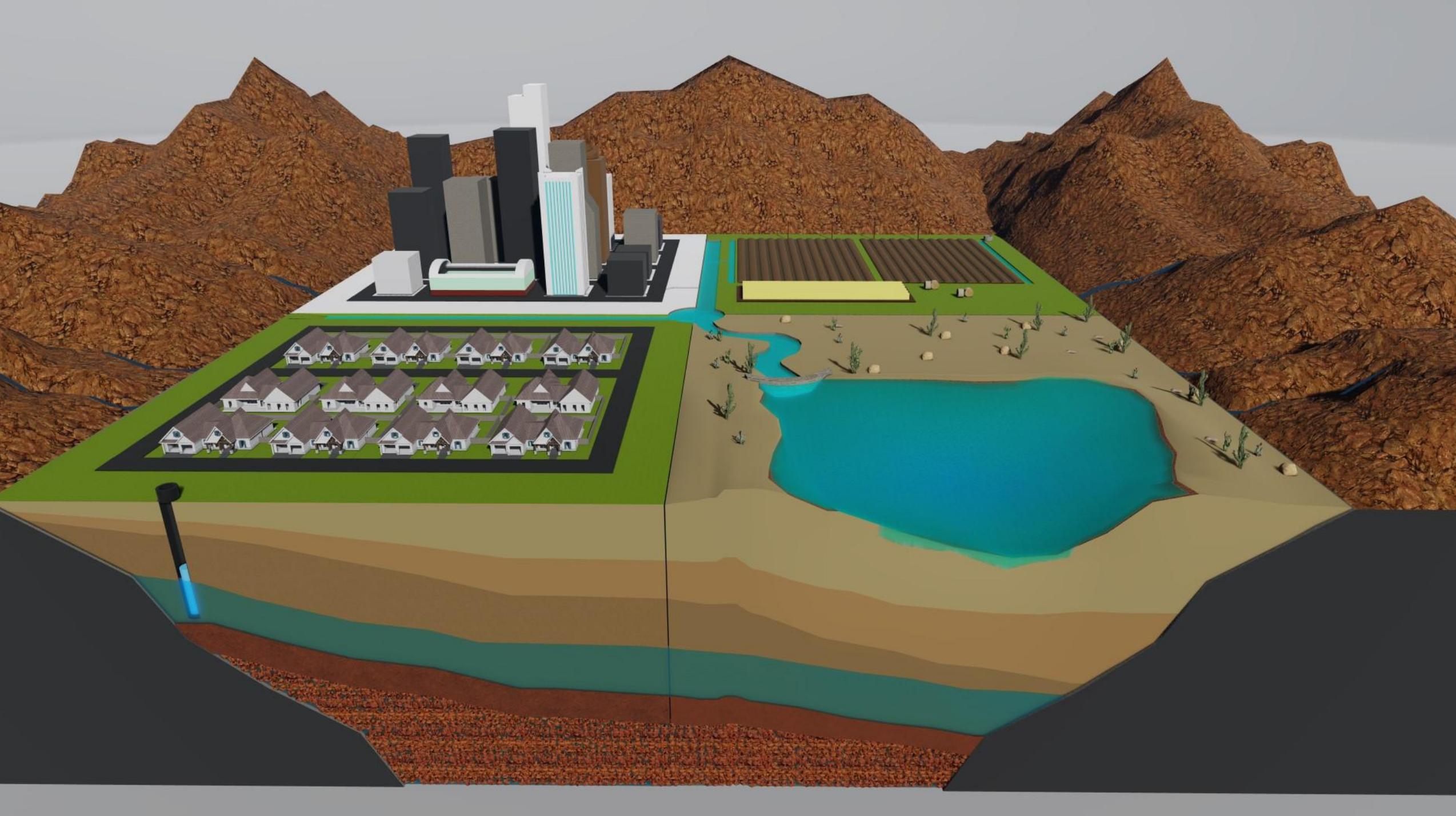
- + Changing groundwater levels

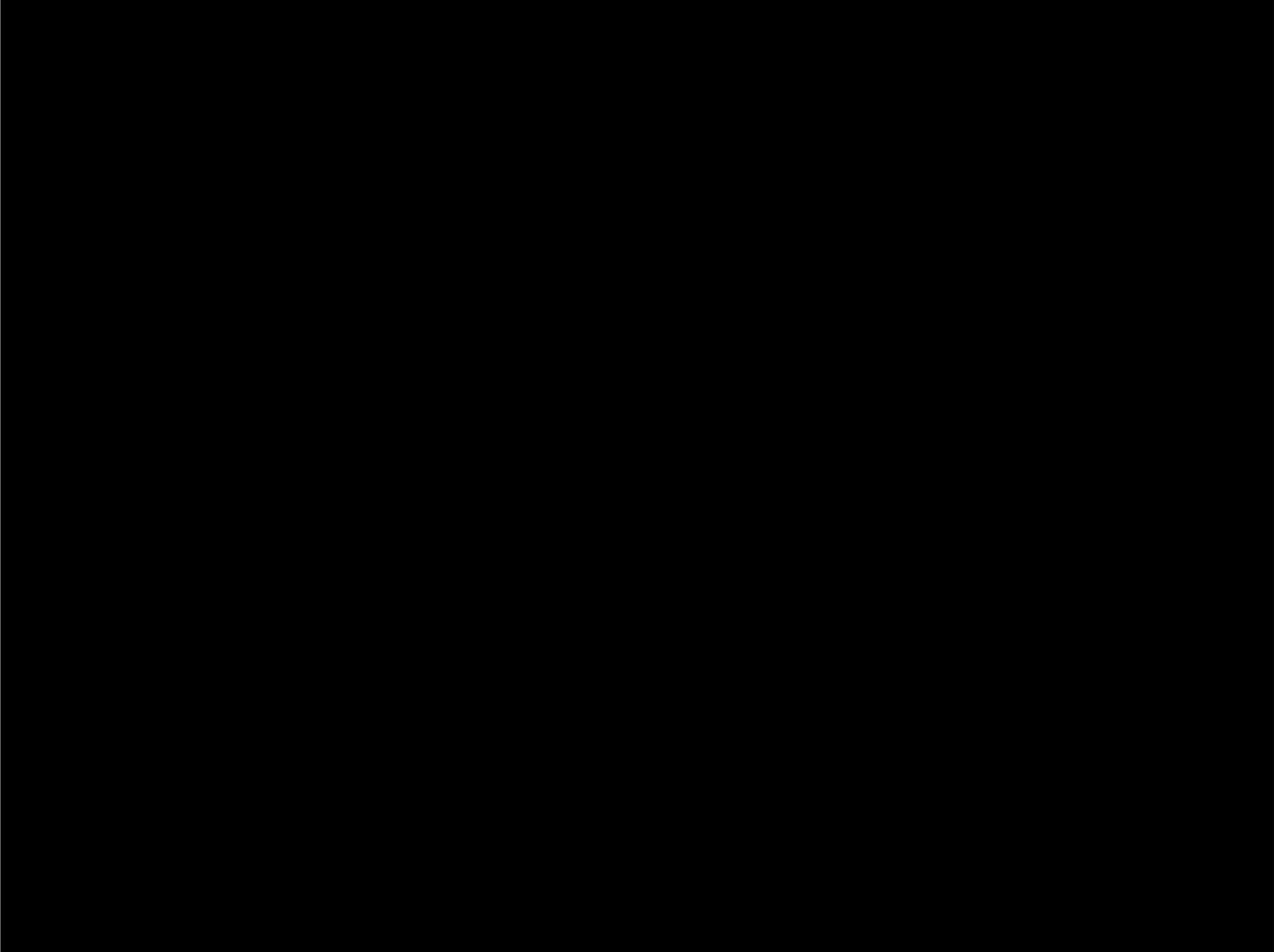


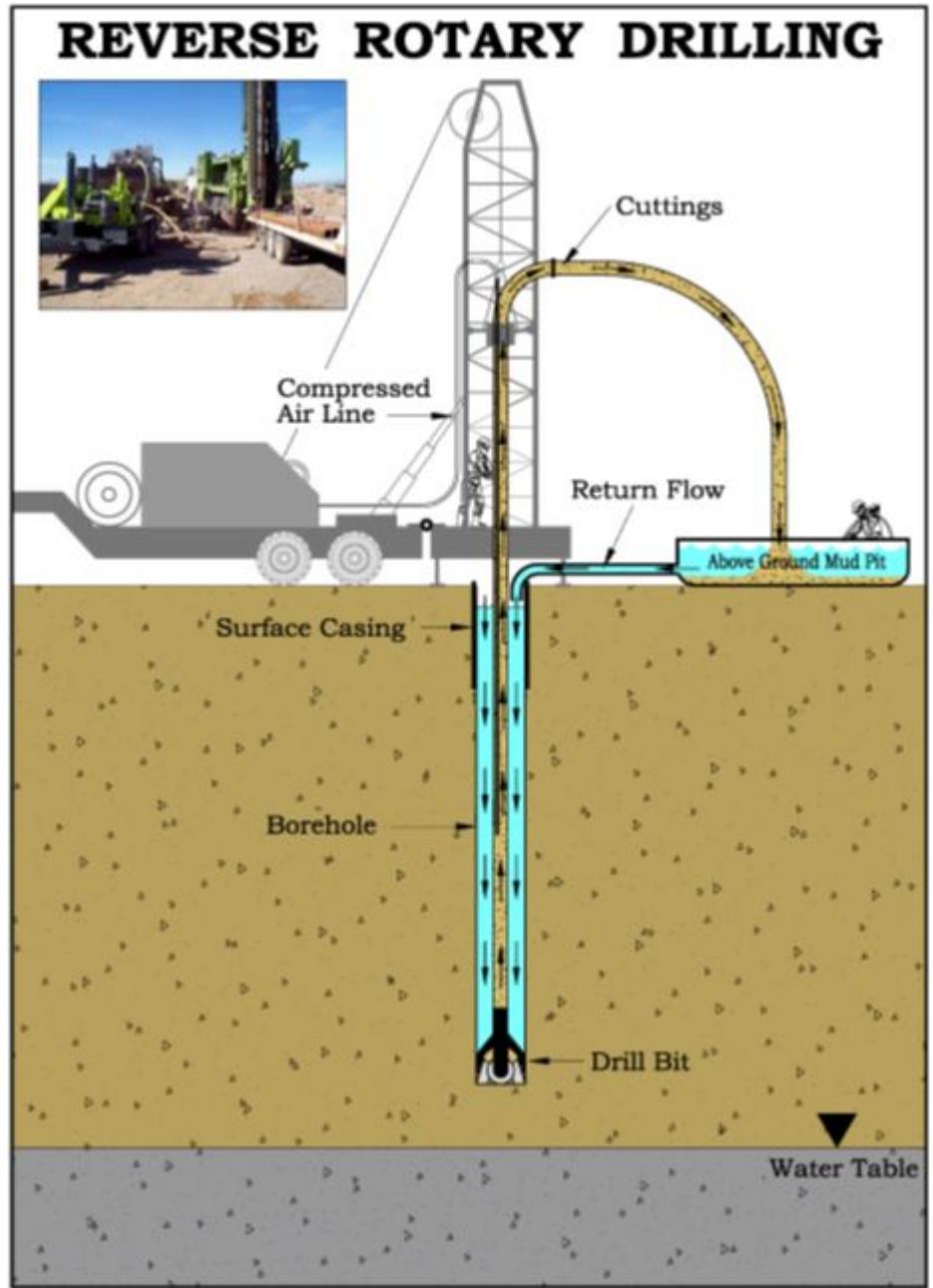












The image is a title card for a video series. It features a background of a desert landscape with a body of water in the foreground. The water reflects the sky and the surrounding terrain. In the center, there is a white-bordered square containing the main title and episode information. The text is white and stands out against the darker background of the square. The overall aesthetic is clean and professional, typical of educational or documentary content.

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**GROUND  
WATER**

EPISODE 2 OF 9  
Groundwater Basics



**Questions?**

