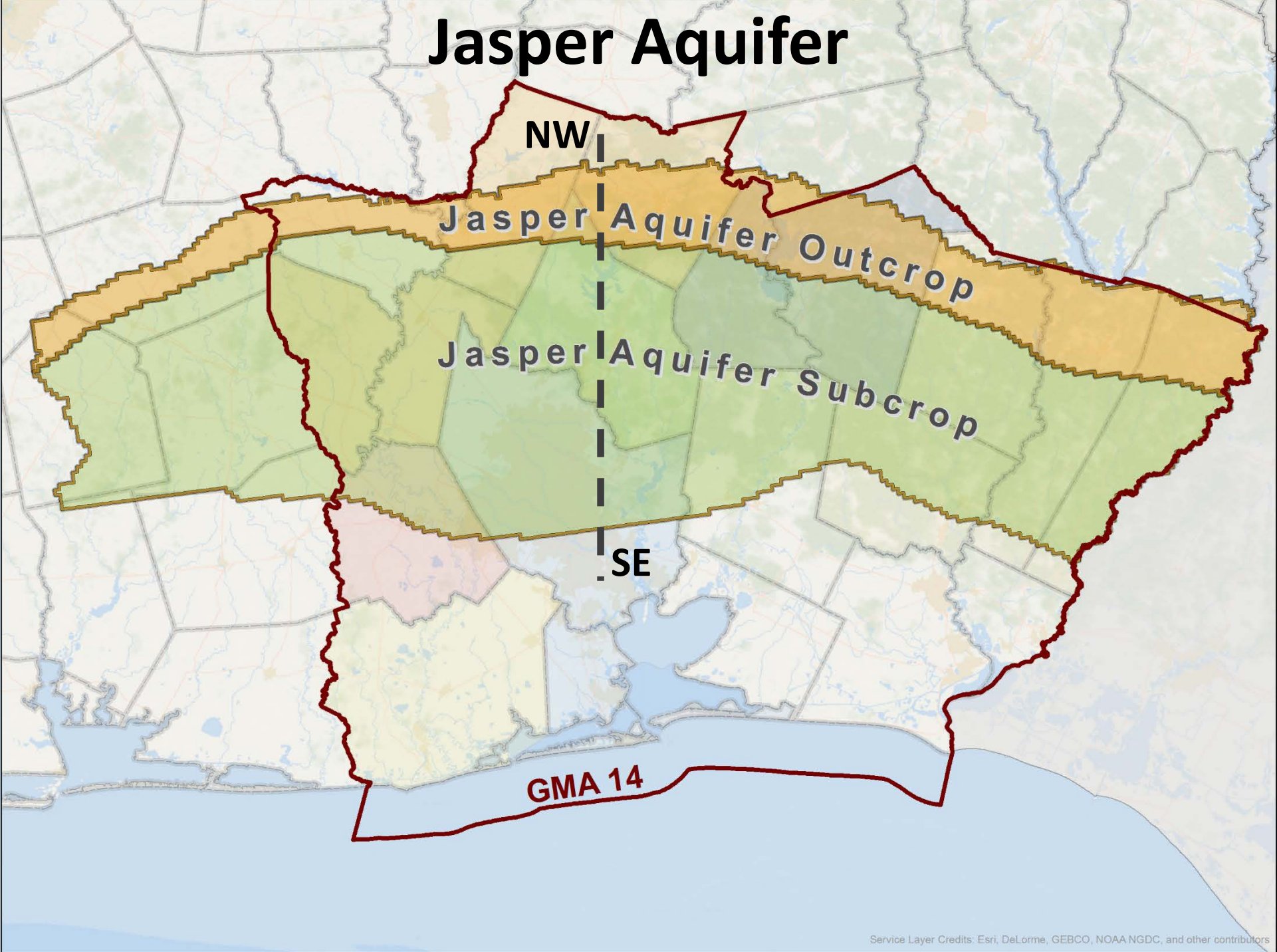
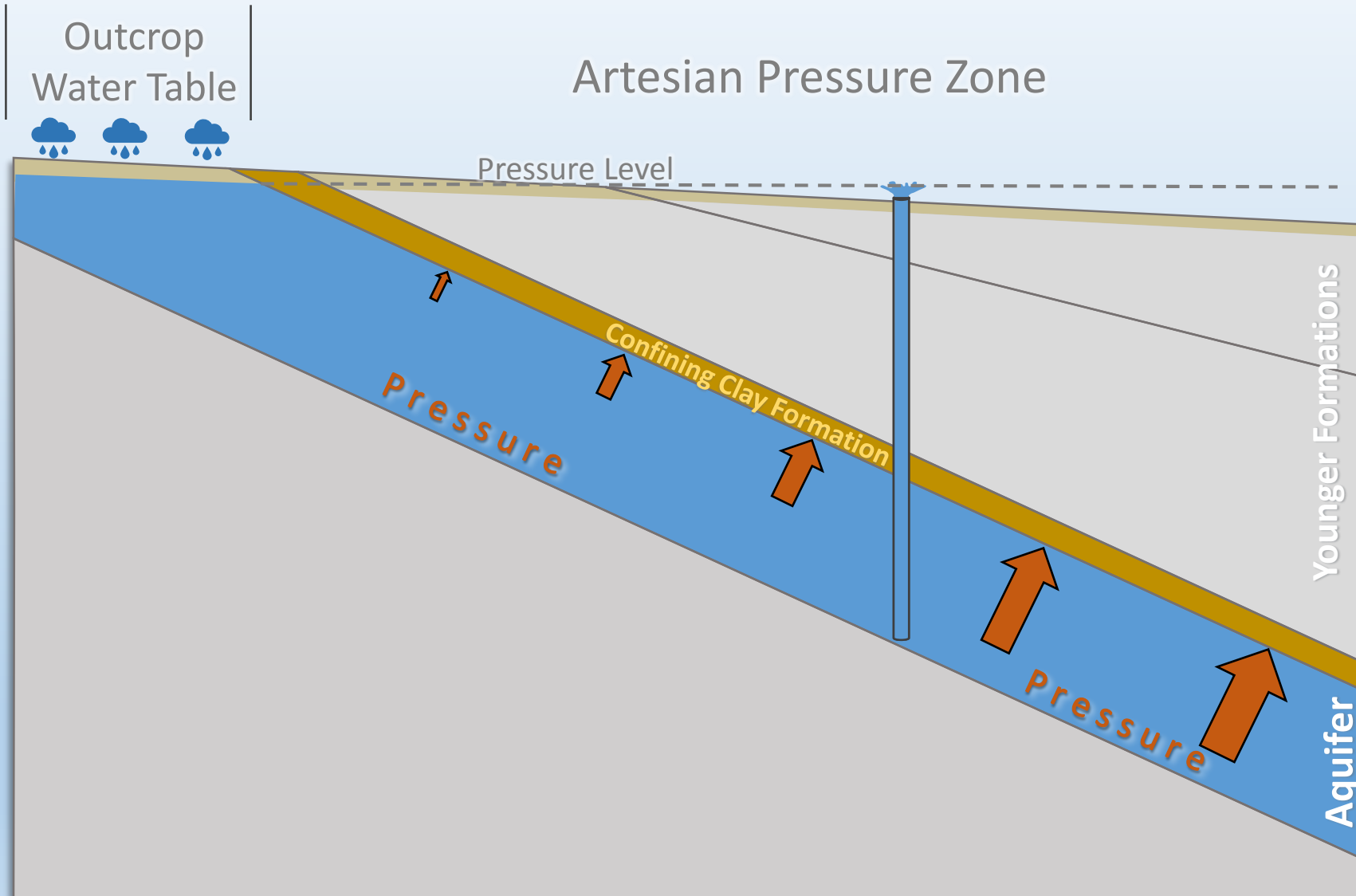


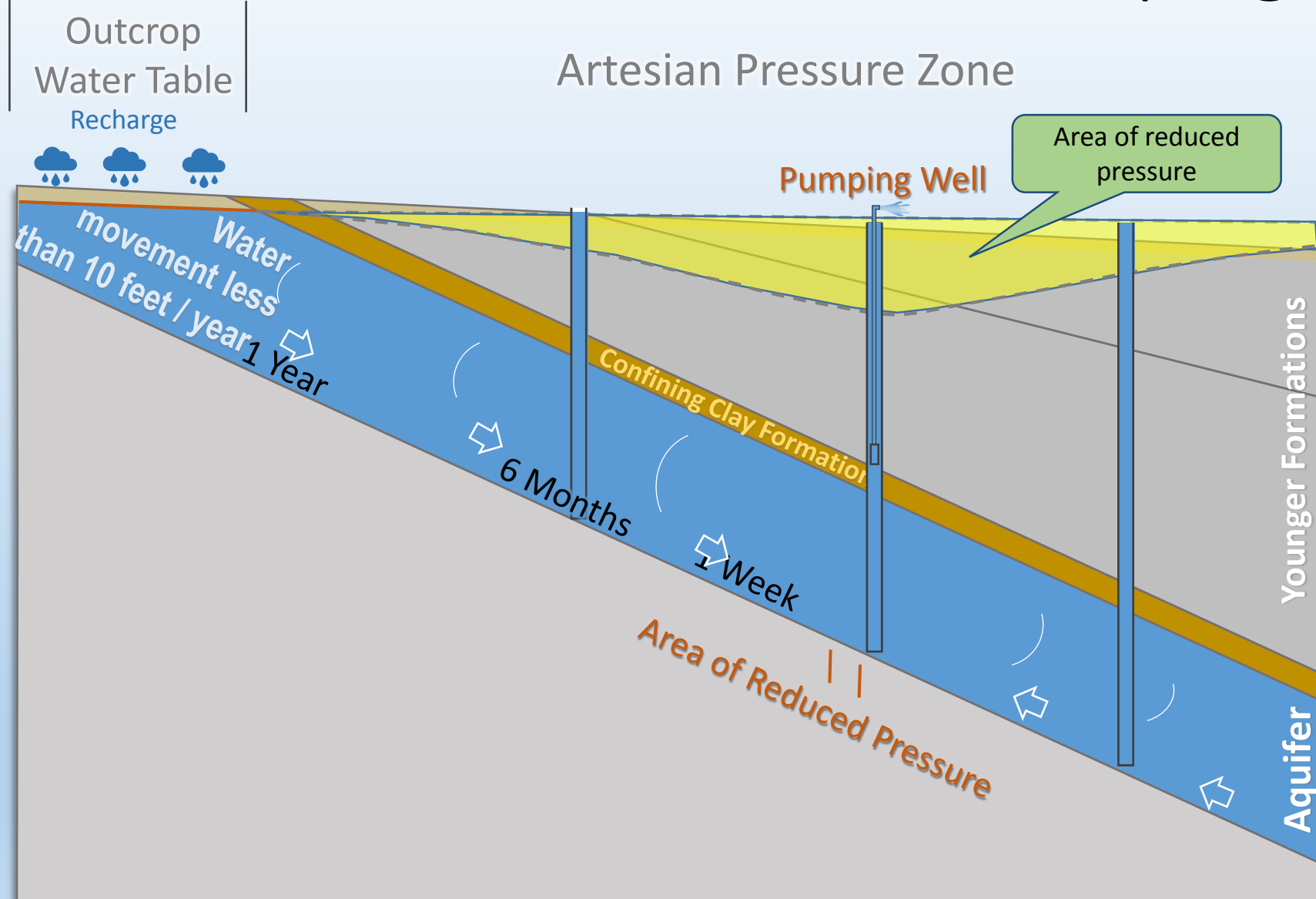
Jasper Aquifer



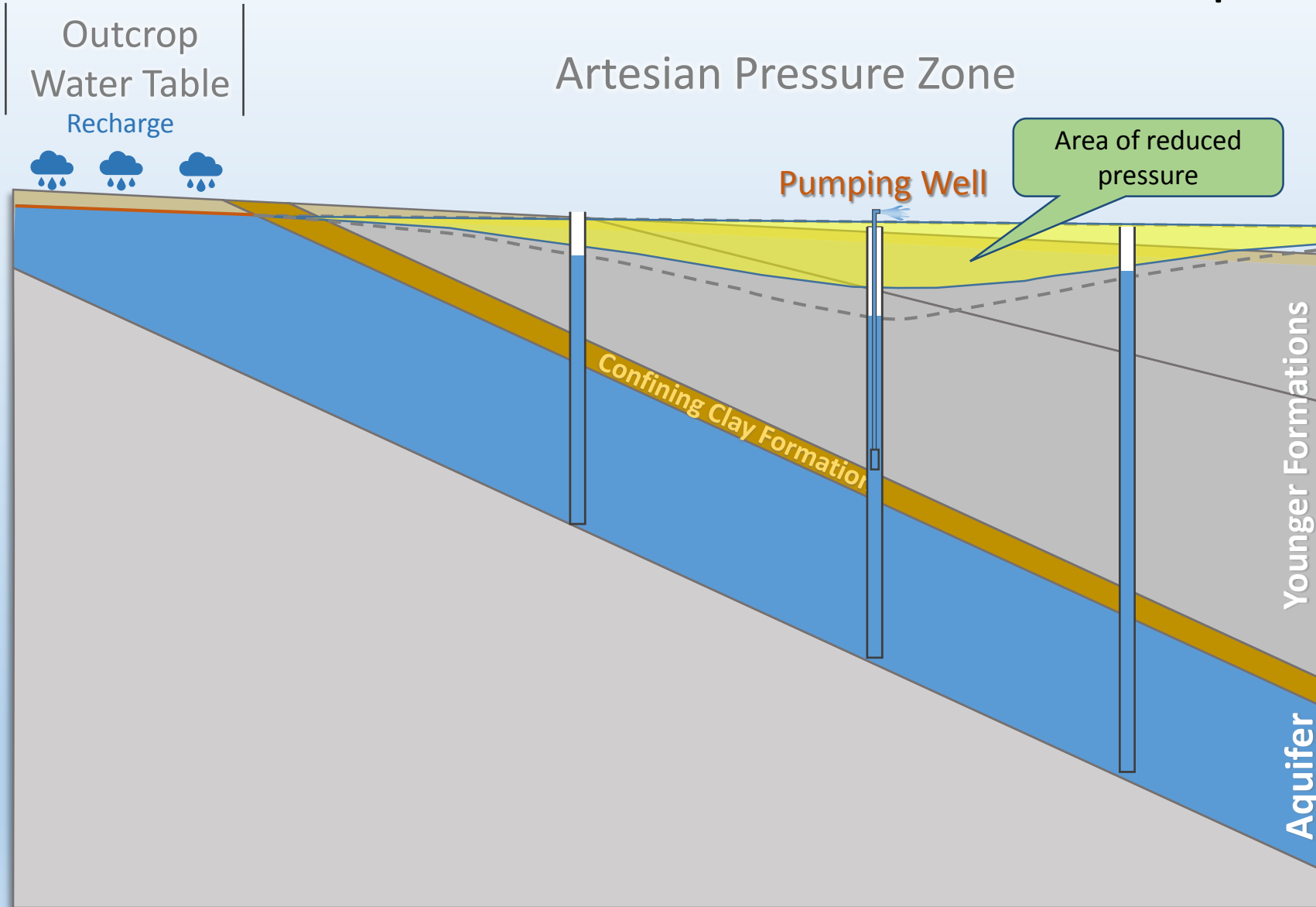
Idealized Dipping Artesian Aquifer



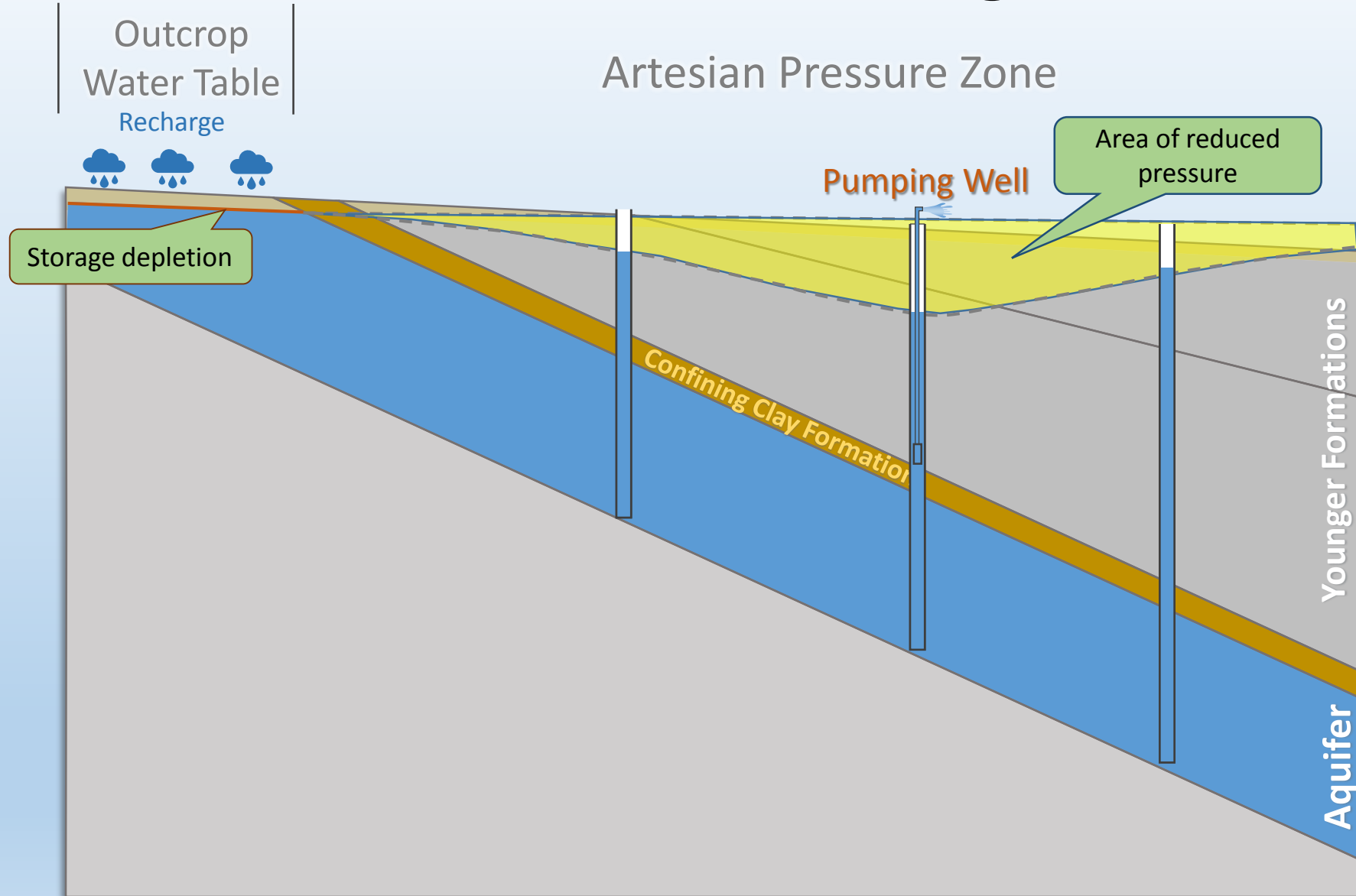
Pressure Reduction due to Pumping



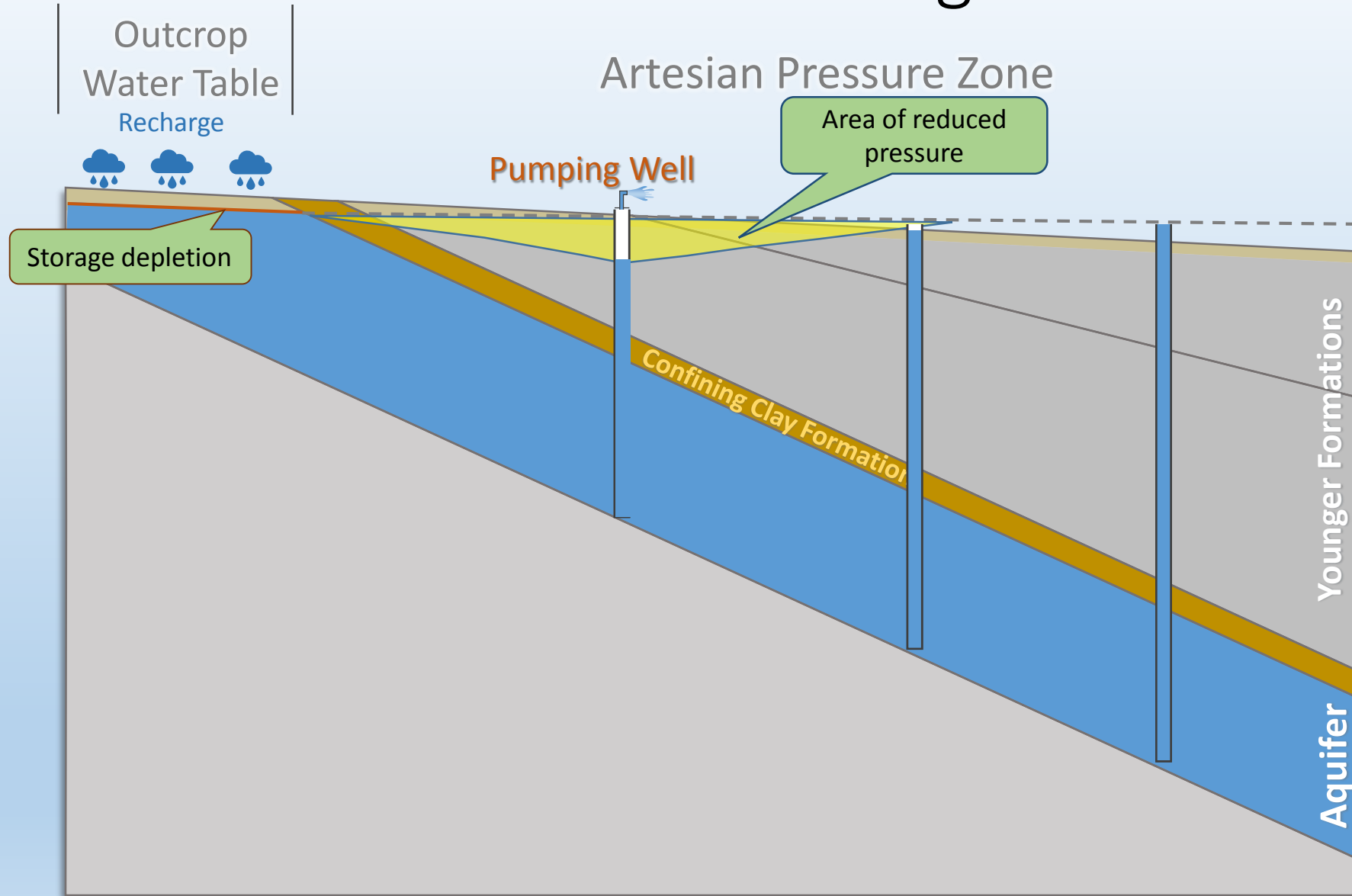
Pressure Rise with Decrease in Pumping



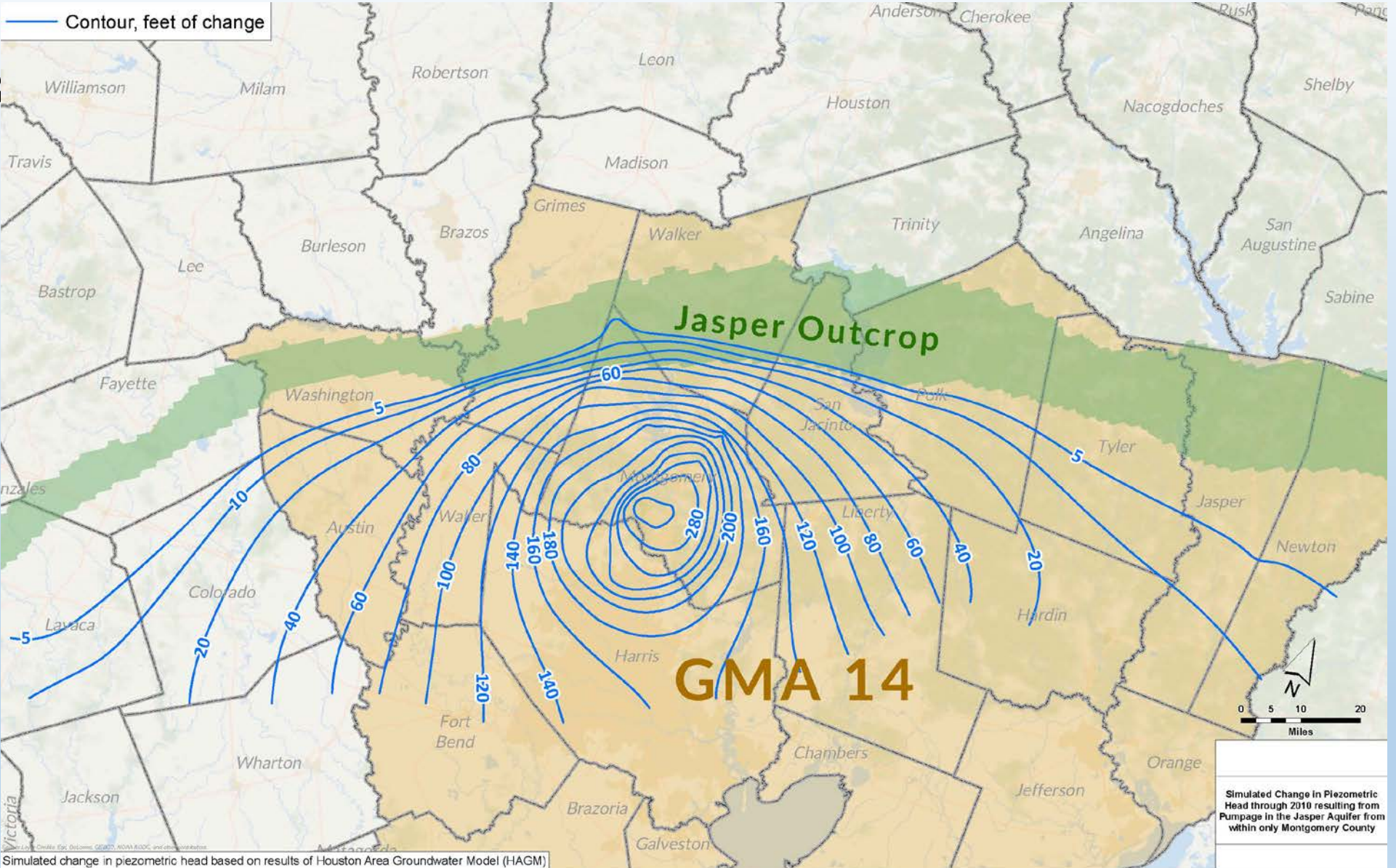
Pressure vs. Storage



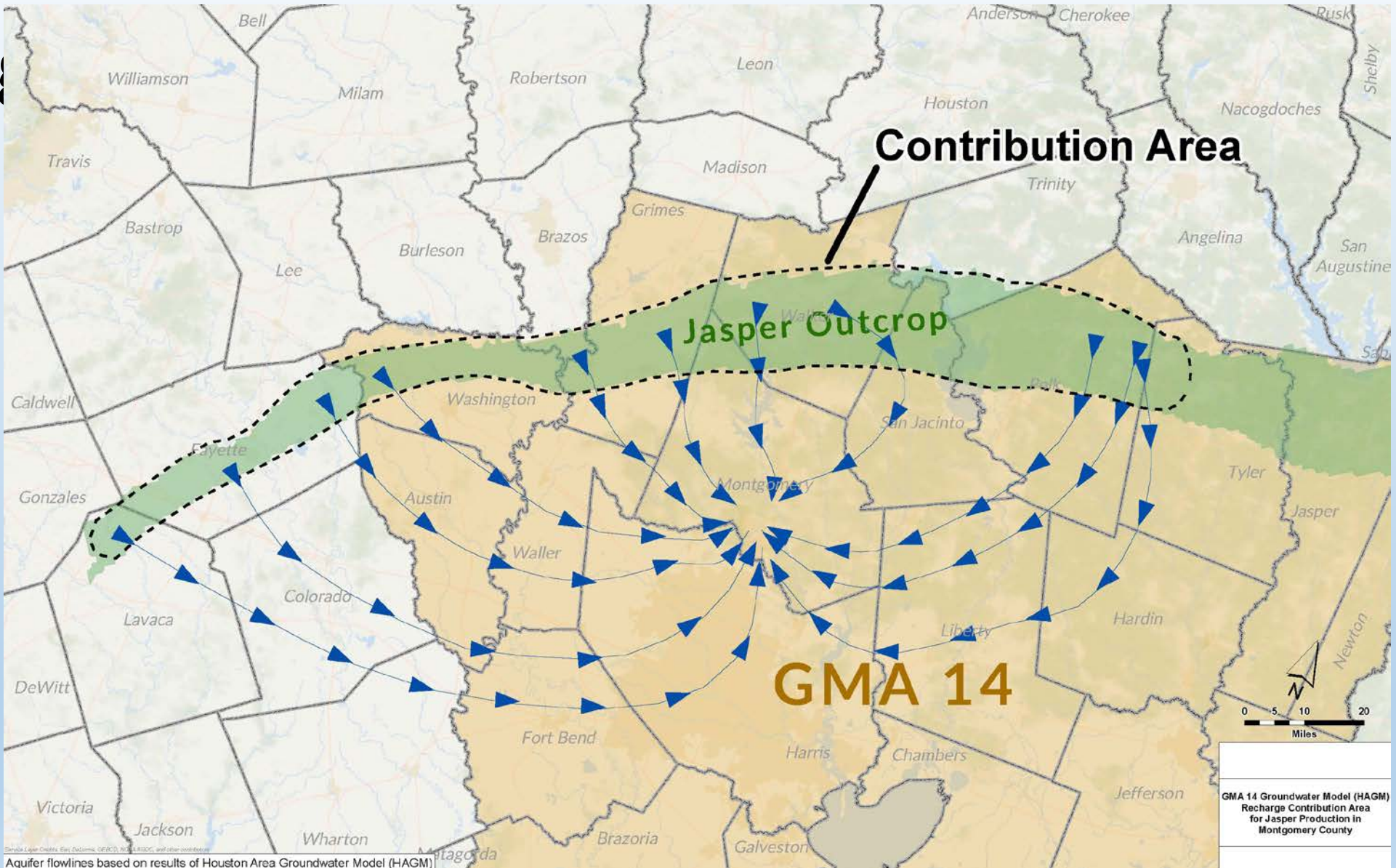
Pressure vs. Storage



Re

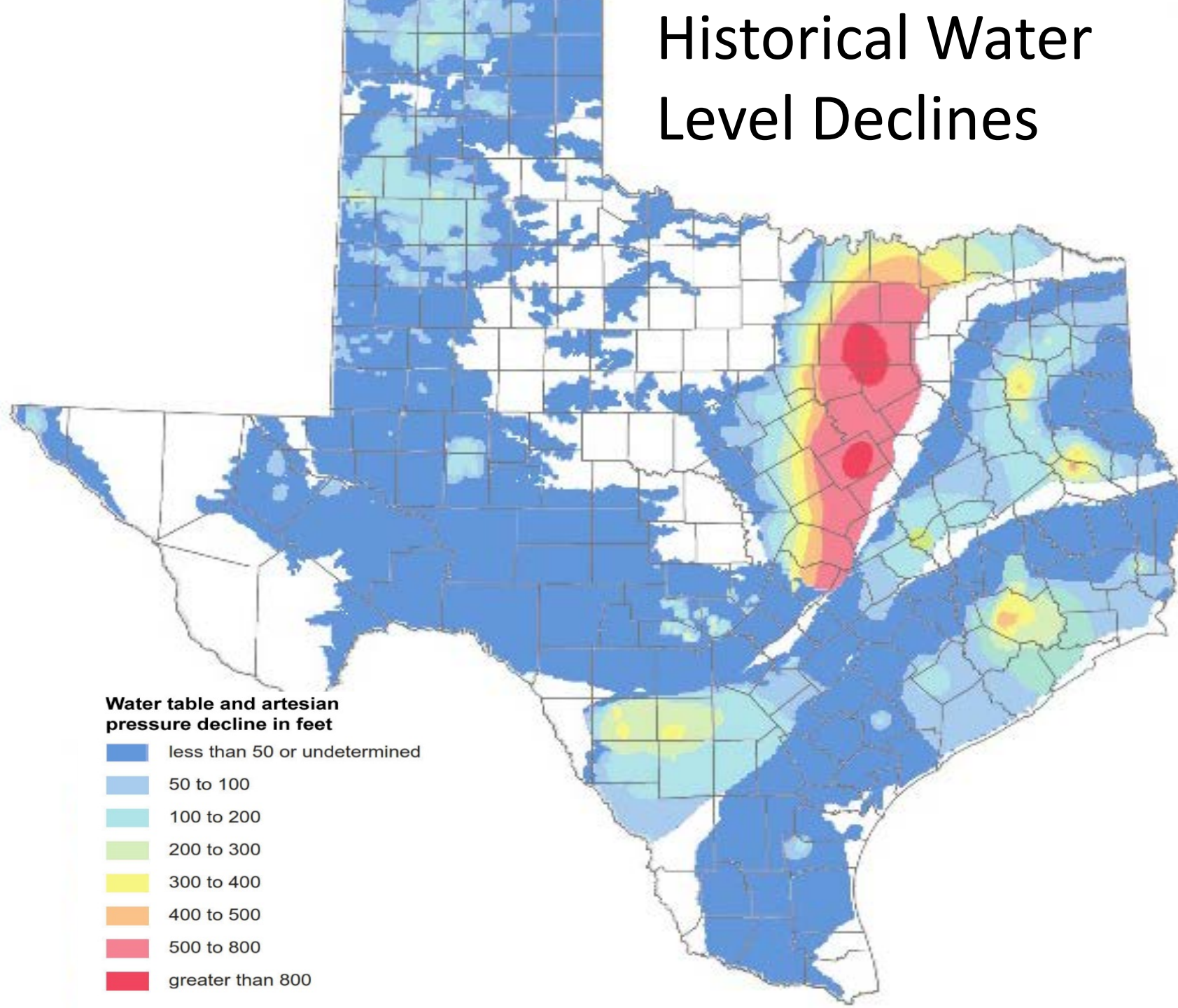


Recharge

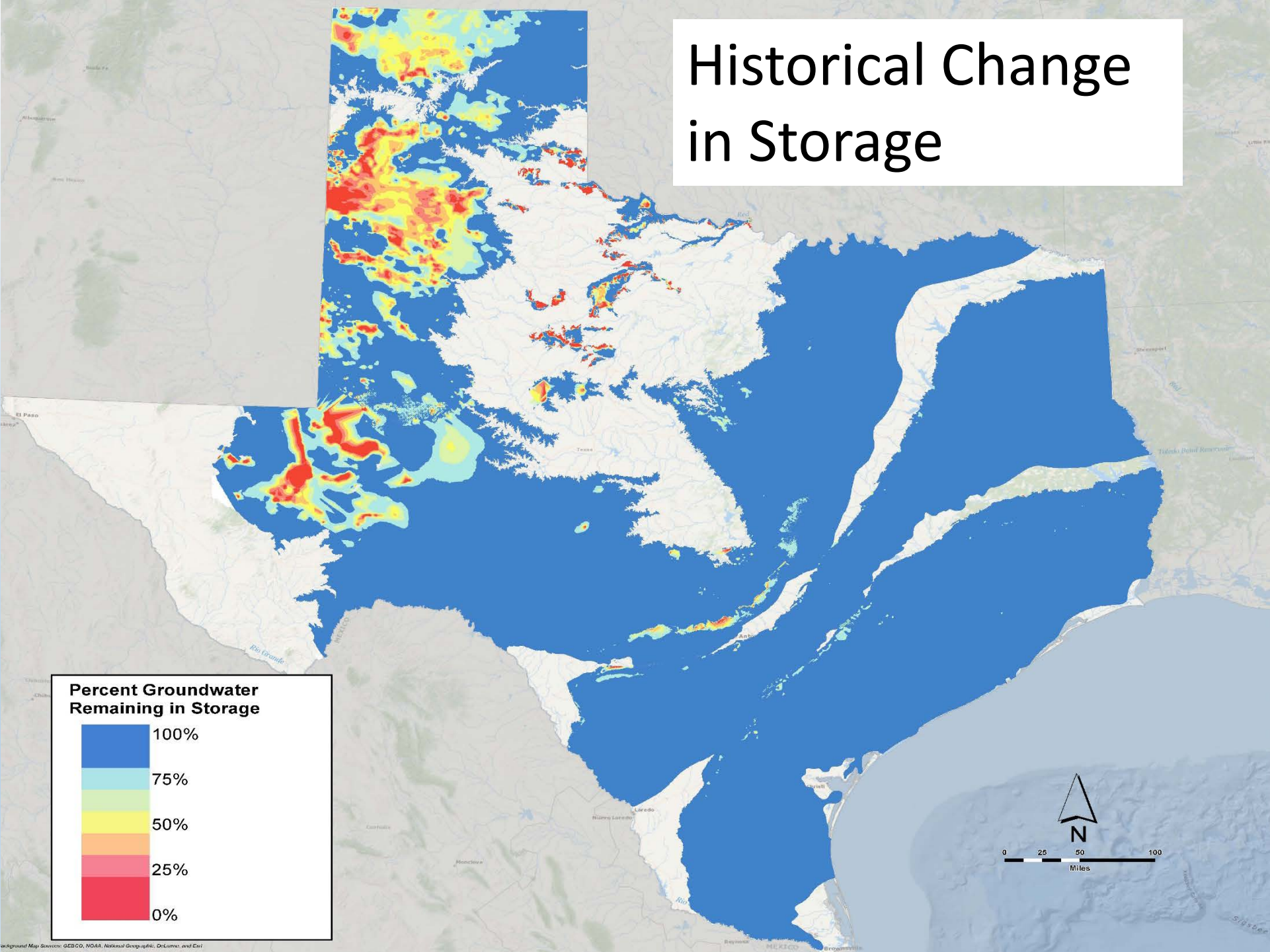


Source: Layer Credits: Esri, DeLorme, GEBCO, NOAA, USGS, and other contributors
Aquifer flowlines based on results of Houston Area Groundwater Model (HAGM)

Historical Water Level Declines



Historical Change in Storage



Background Map Sources: GEDCO, NOAA, National Geographic, DeLorme, and Esri

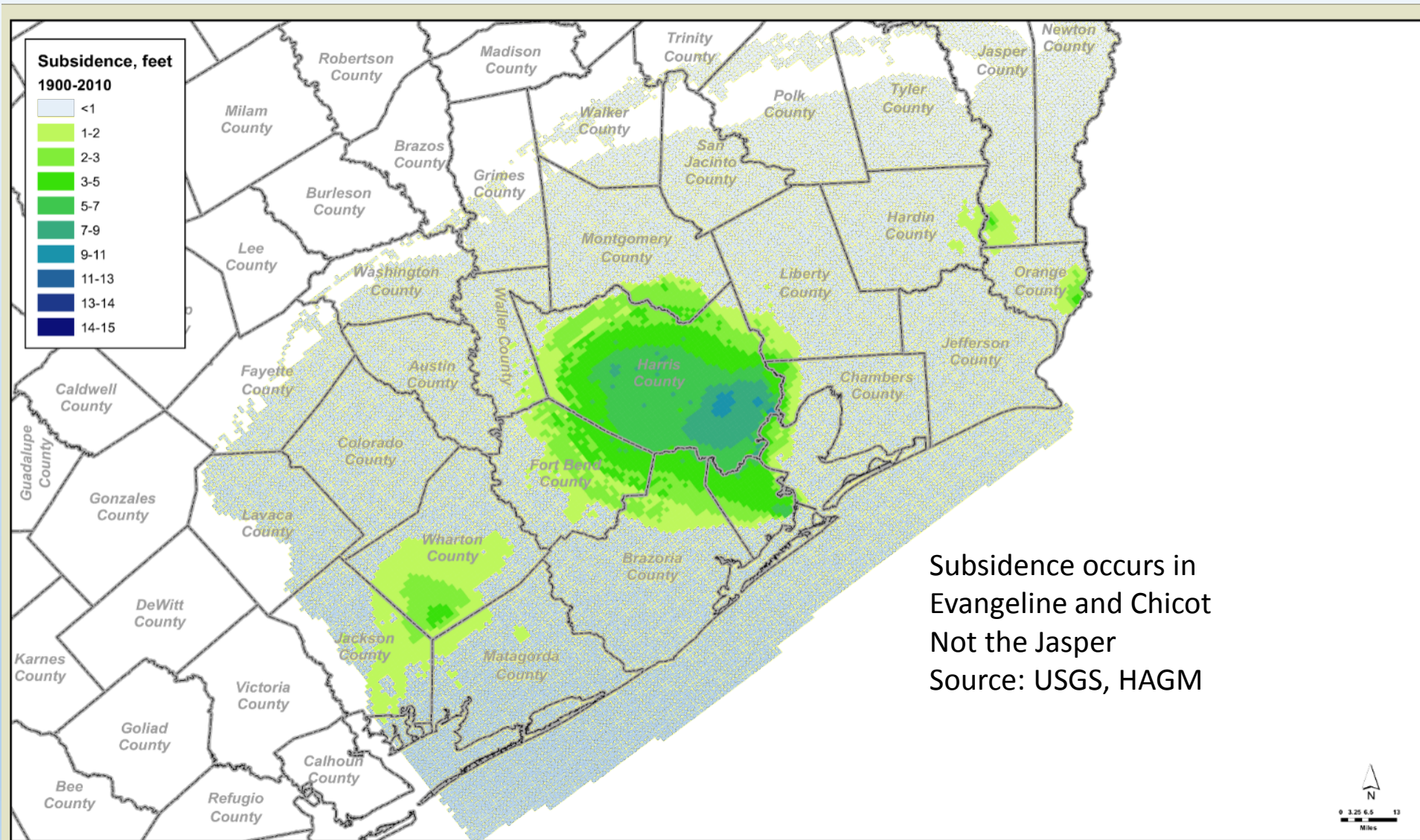
Thinking Points

- Large regional resources
- Changes in pressure vs. changes in storage
- Water Supply Economics / Diversification

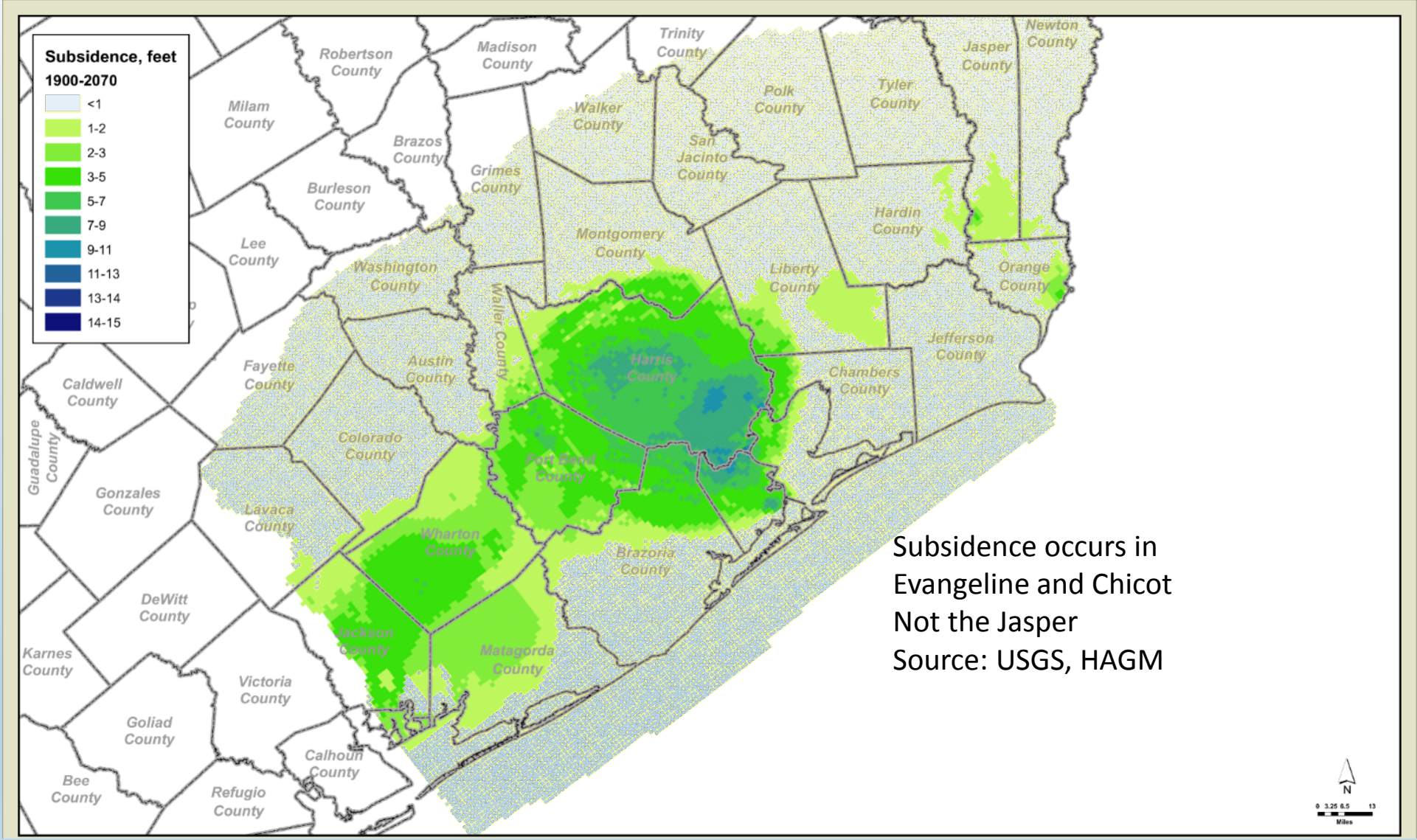
Subsidence

The Lone Star GCD does not regulate any type of surface water, including lakes, streams, rivers, reservoirs & wetlands.

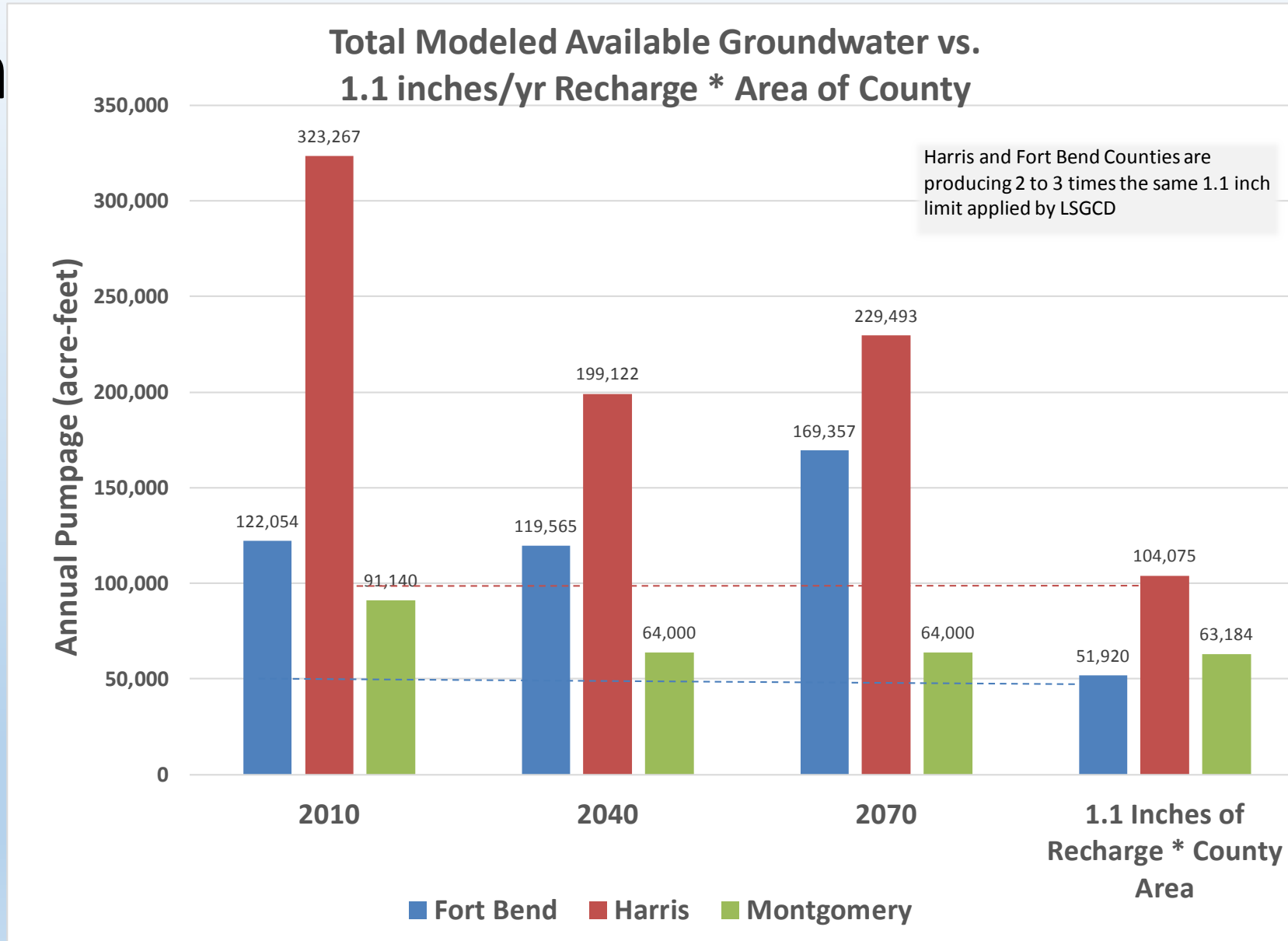
Total Historical Subsidence - 2010

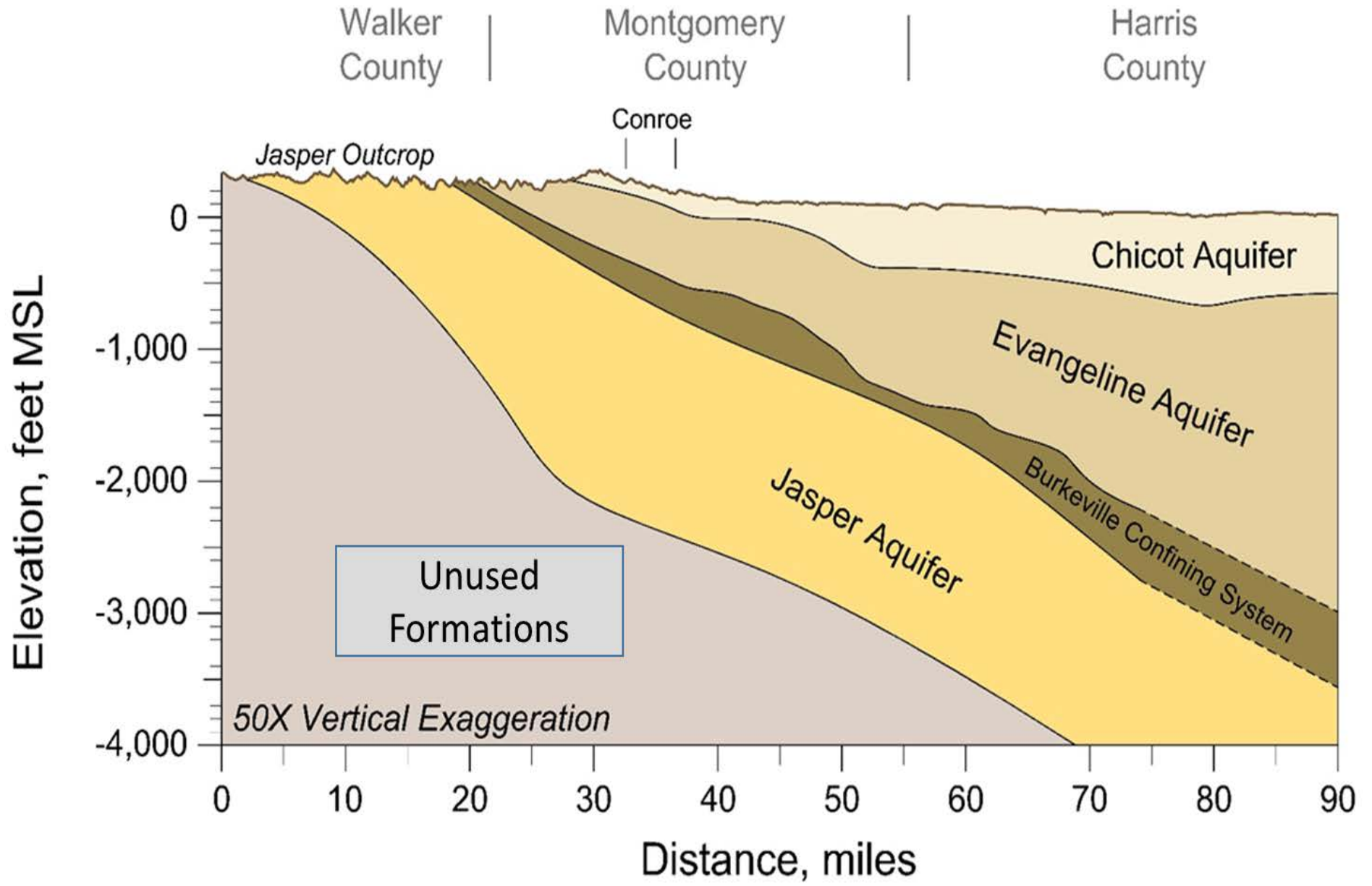


Total Projected Subsidence - 2070



Coun





SUBSIDENCE



350' of Artesian decline in Jasper with NO detectable SUBSIDENCE since

