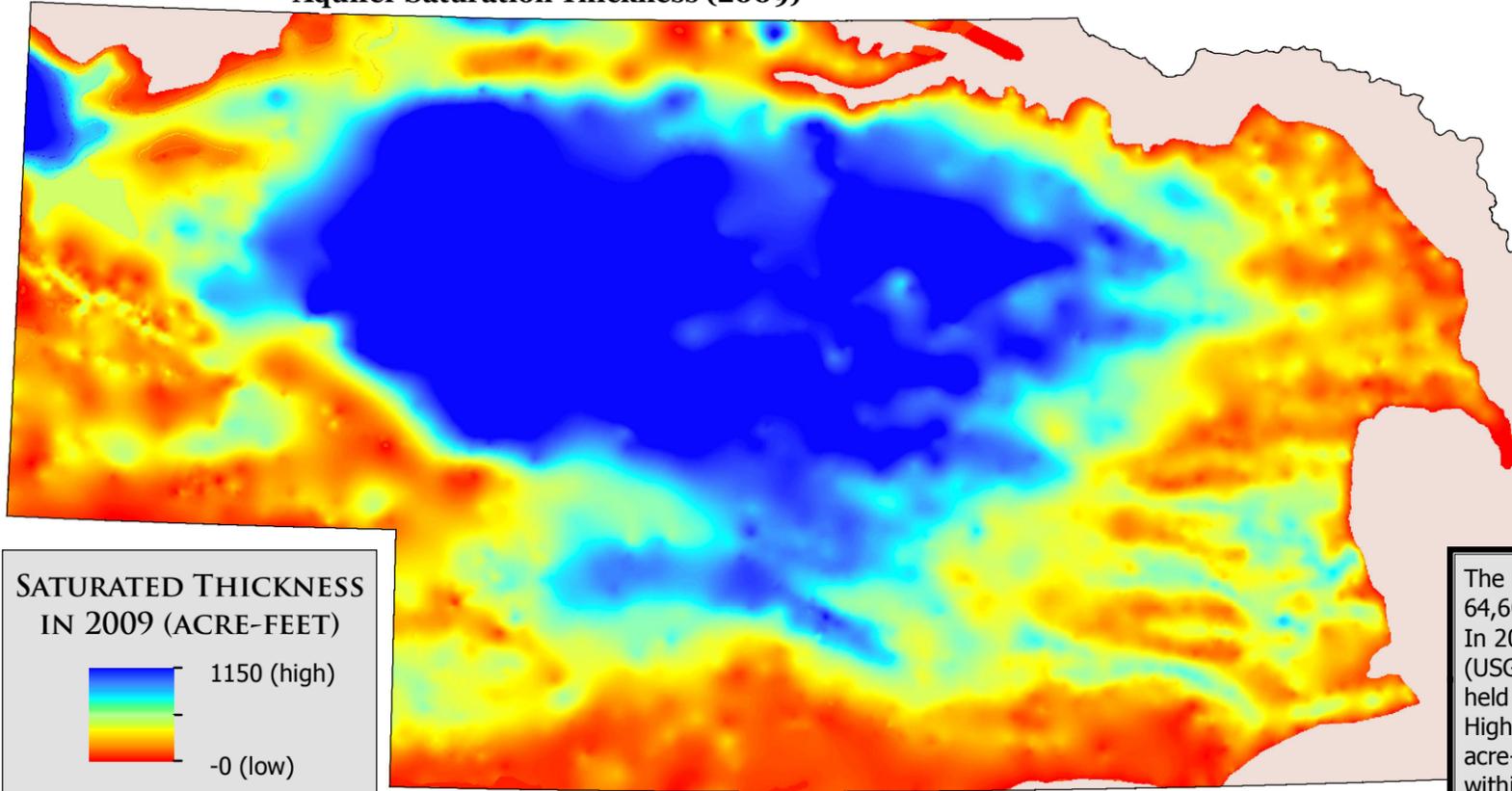
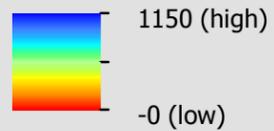


# THE HIGH PLAINS (OGALLALA) AQUIFER

**Aquifer Saturation Thickness (2009)**



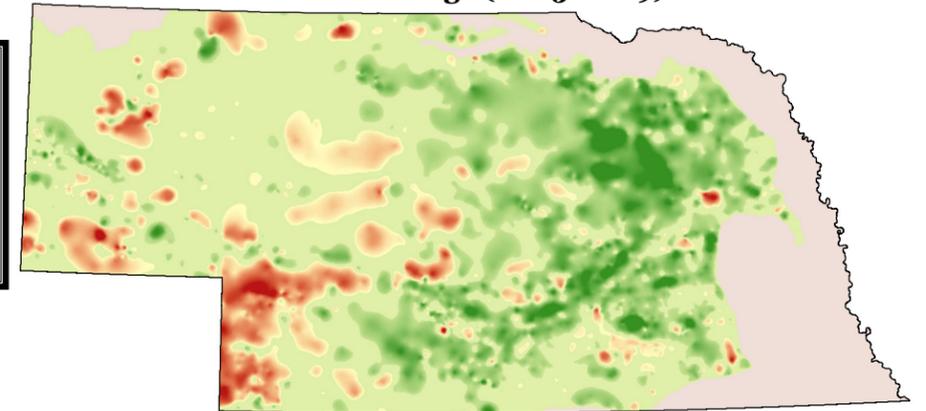
**SATURATED THICKNESS IN 2009 (ACRE-FEET)**



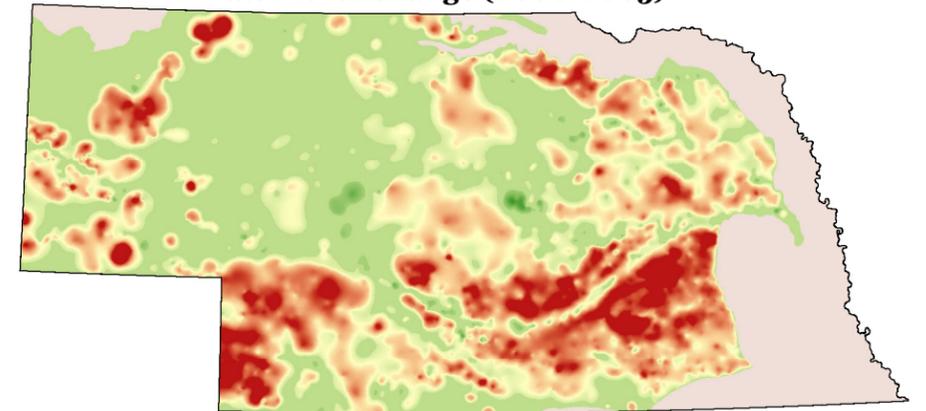
The **water-level change** maps generally show increases and decreases of the aquifer's water levels. Shades of red indicate a decrease, yellow indicates "no change," while shades of green indicate an increase.

The High Plains Aquifer underlies 64,600 square miles of land in Nebraska. In 2009, the U.S. Geological Survey (USGS) estimated the volume of water held or **saturation thickness** in the High Plains Aquifer at 19,500 million acre-feet, with 13,200 million acre-feet within Nebraska's borders.

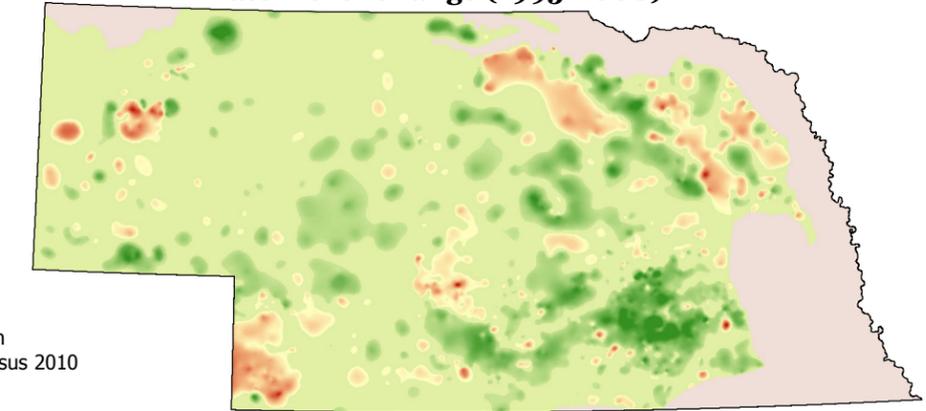
**Water-level Change (2005-2009)**



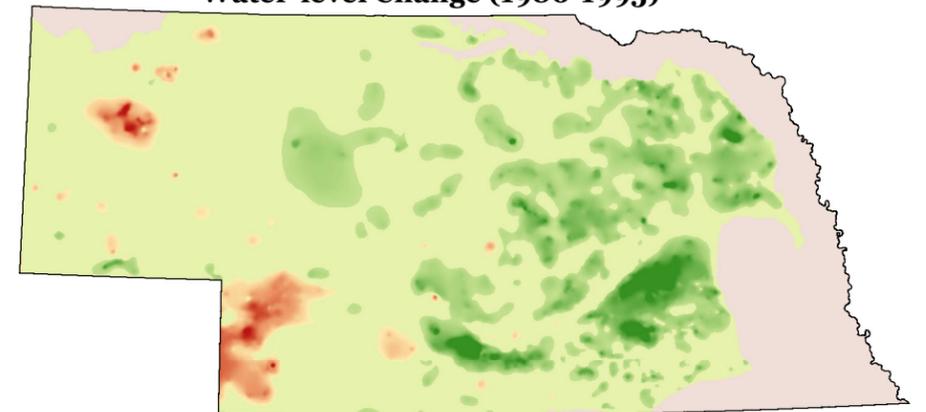
**Water-level Change (2000-2005)**



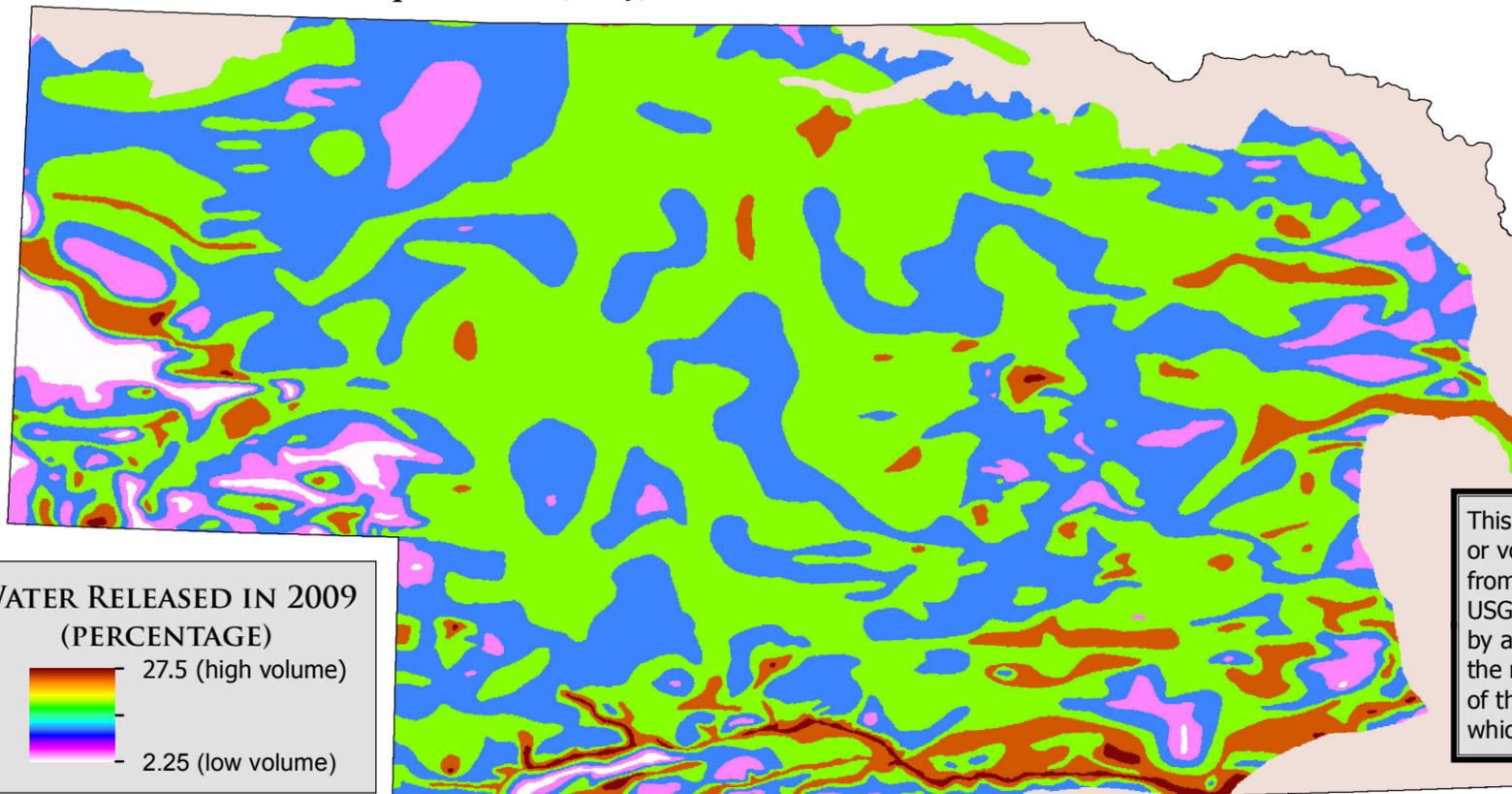
**Water-level Change (1995-2000)**



**Water-level Change (1980-1995)**



**Aquifer Yield (2009)**



**WATER RELEASED IN 2009 (PERCENTAGE)**



This map illustrates **specific yield** or volume of water released from the aquifer in 2009. The USGS calculated the percentages by assessing descriptive logs of the makeup (rocks and sediments) of the aquifer at wells and test sites which reach the base.



Mao Created by Casey Dunn  
Sources: USGS SIR12-5177, US Census 2010  
3 February 2015

\*The data used to create these maps are from the most recent report from the USGS discussing the High Plains Aquifer.