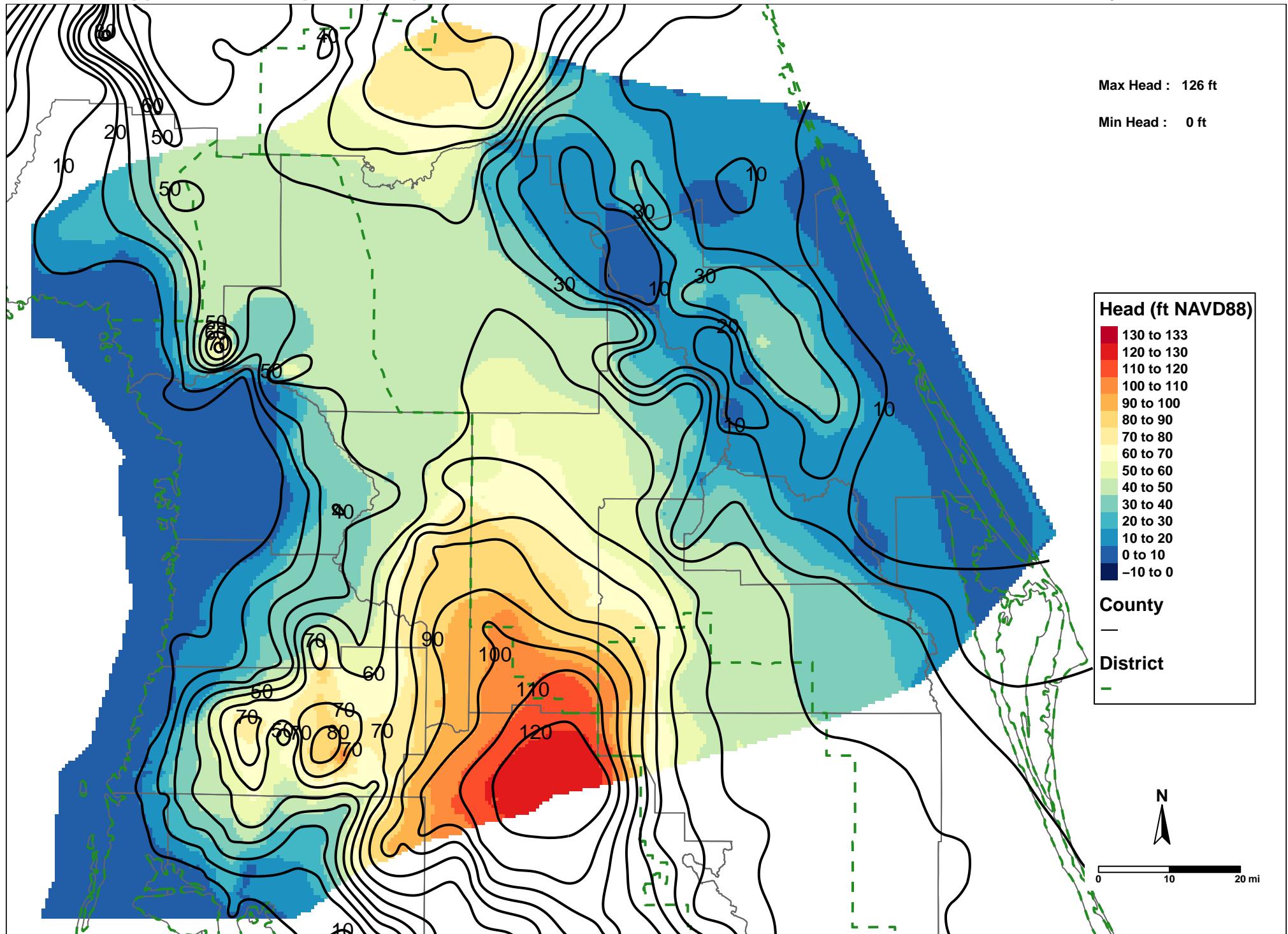

APPENDIX G - SIMULATED VERSUS OBSERVED MAY AND SEPTEMBER POTENTIOMETRIC SURFACE MAPS

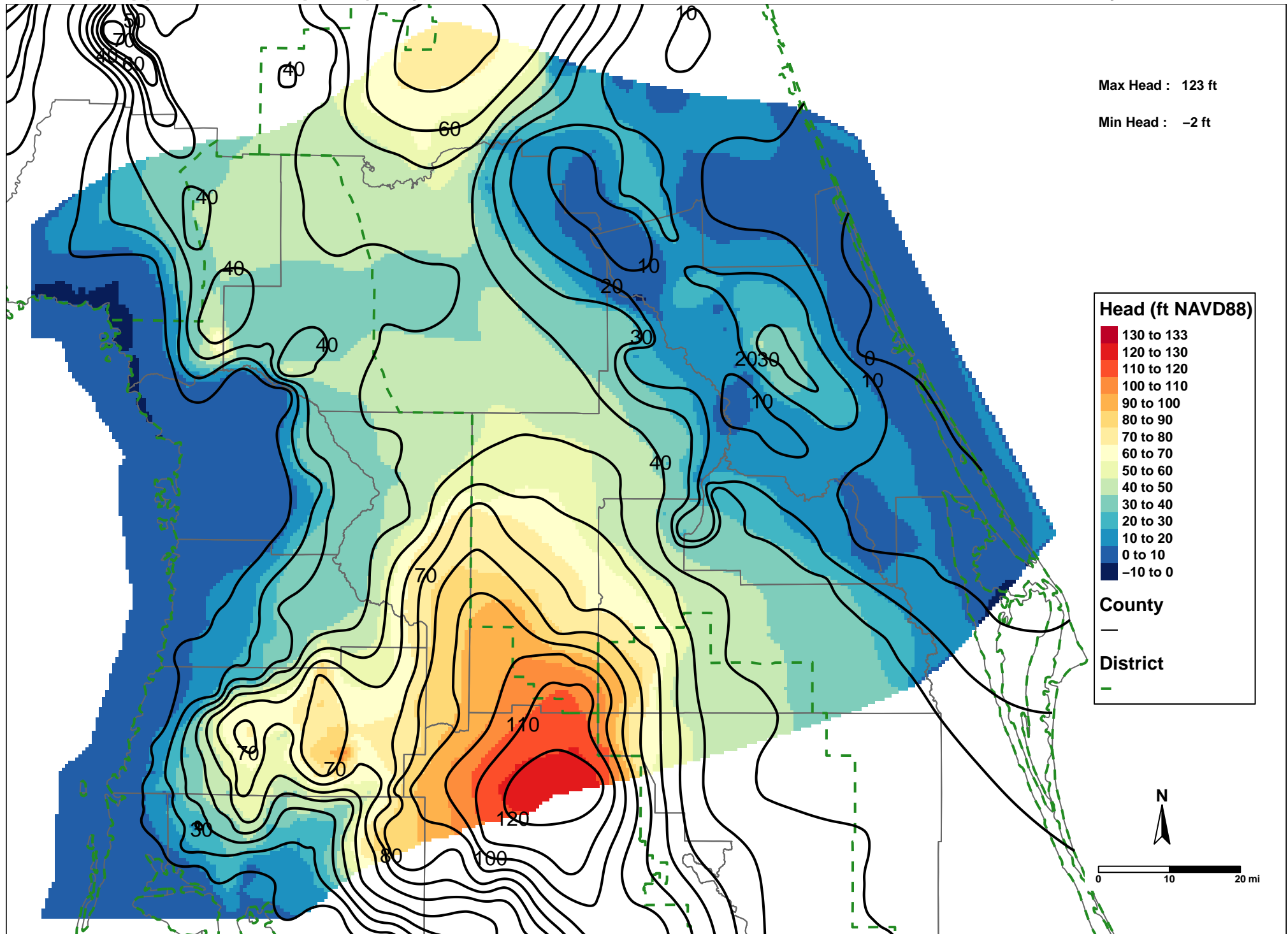
Appendix G includes comparisons between model simulated Upper Floridan Aquifer (UFA) groundwater heads and observed UFA potentiometric surfaces. The GIS coverage of UFA potentiometric surfaces has been created by FDEP biannually in May and September of each year since May 2012. The potentiometric surface contour lines were created through geostatistical analysis of groundwater levels measured at approximately 1,100 wells by the water management districts. The simulated UFA groundwater head was retrieved from layer 3 of the transient model. The stress period corresponding to the month and year of the observed potentiometric surface was used for comparison.

Note: All potentiometric surface maps were generated with a contour interval of 10 feet.

Central Springs Model (CSM) Transient Simulation
Upper Floridan Aquifer (UFA) – Simulated Head Stress Period 54 vs. Potentiometric Surface May 2010

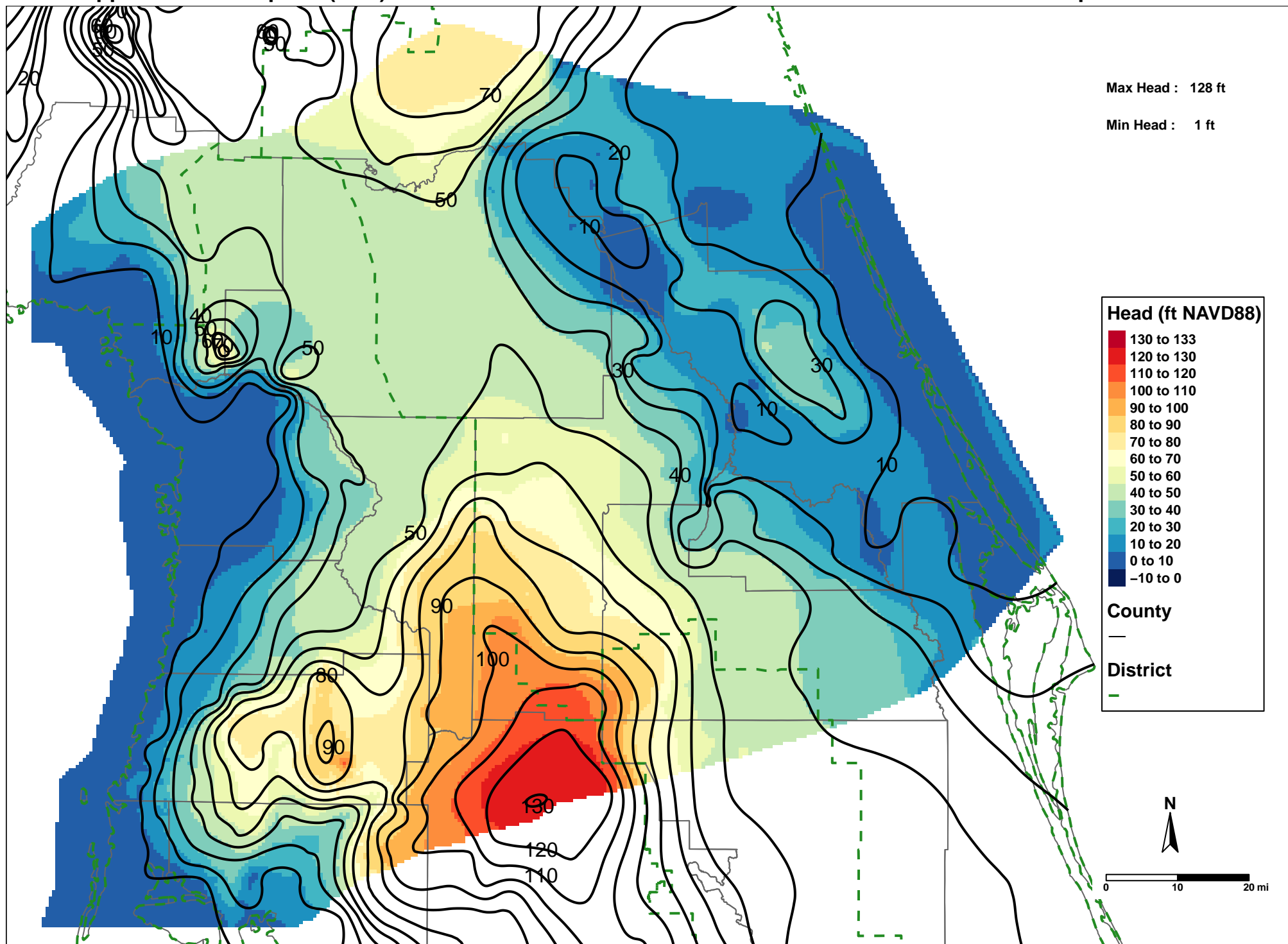


Central Springs Model (CSM) Transient Simulation
Upper Floridan Aquifer (UFA) – Simulated Head Stress Period 78 vs. Potentiometric Surface May 2012

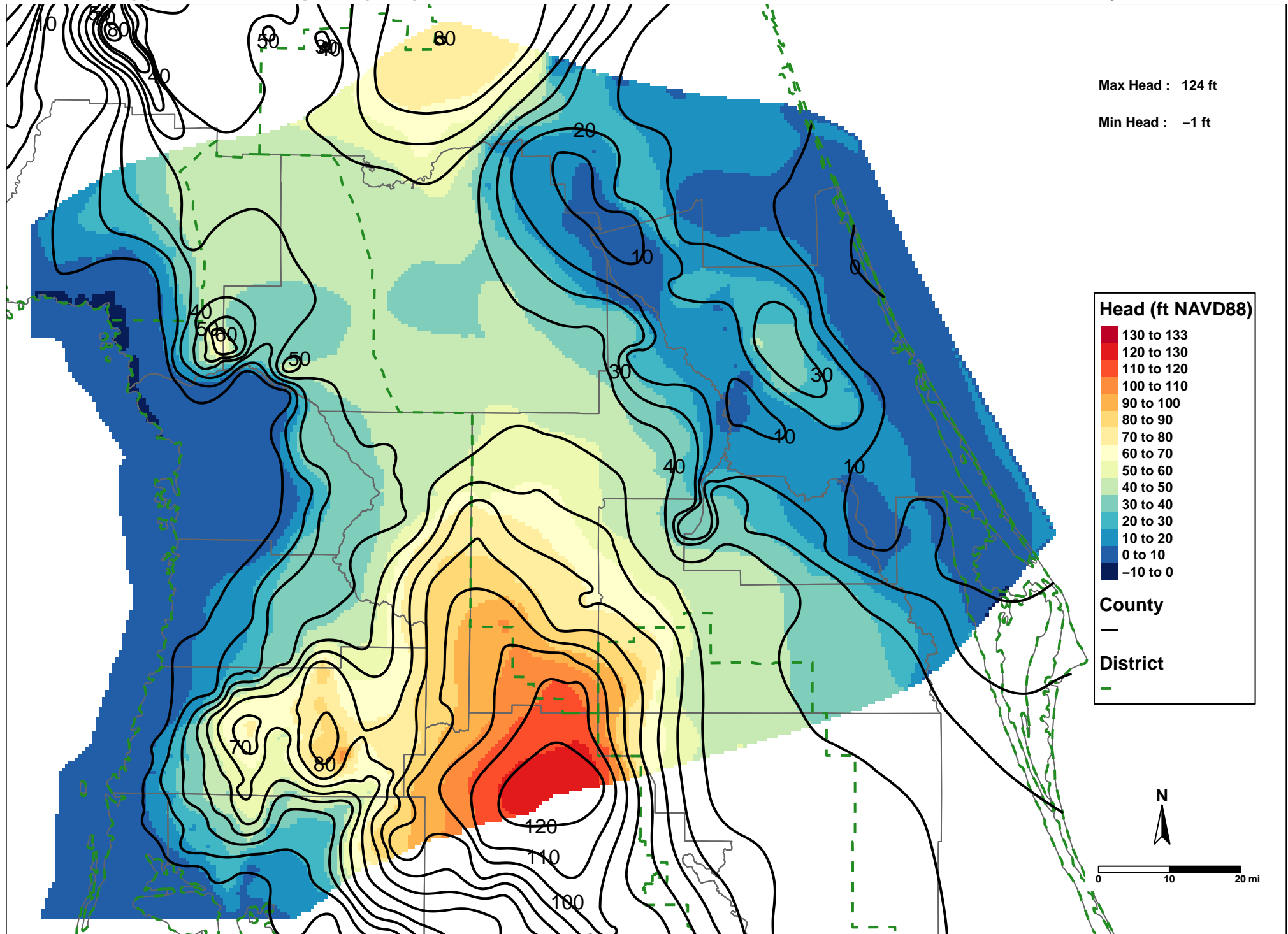


Central Springs Model (CSM) Transient Simulation

Upper Floridan Aquifer (UFA) – Simulated Head Stress Period 82 vs. Potentiometric Surface September 2012

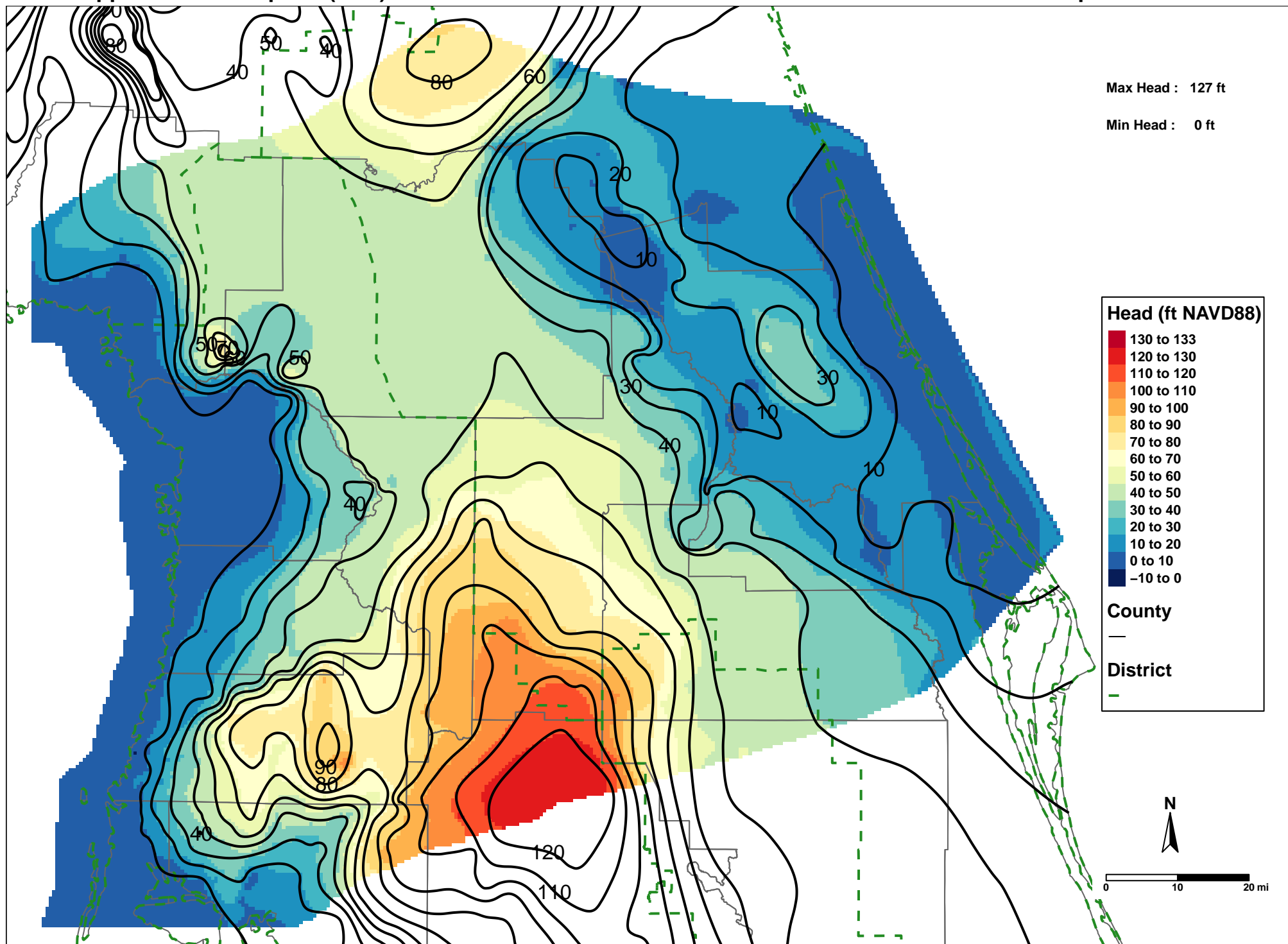


Central Springs Model (CSM) Transient Simulation
Upper Floridan Aquifer (UFA) – Simulated Head Stress Period 90 vs. Potentiometric Surface May 2013



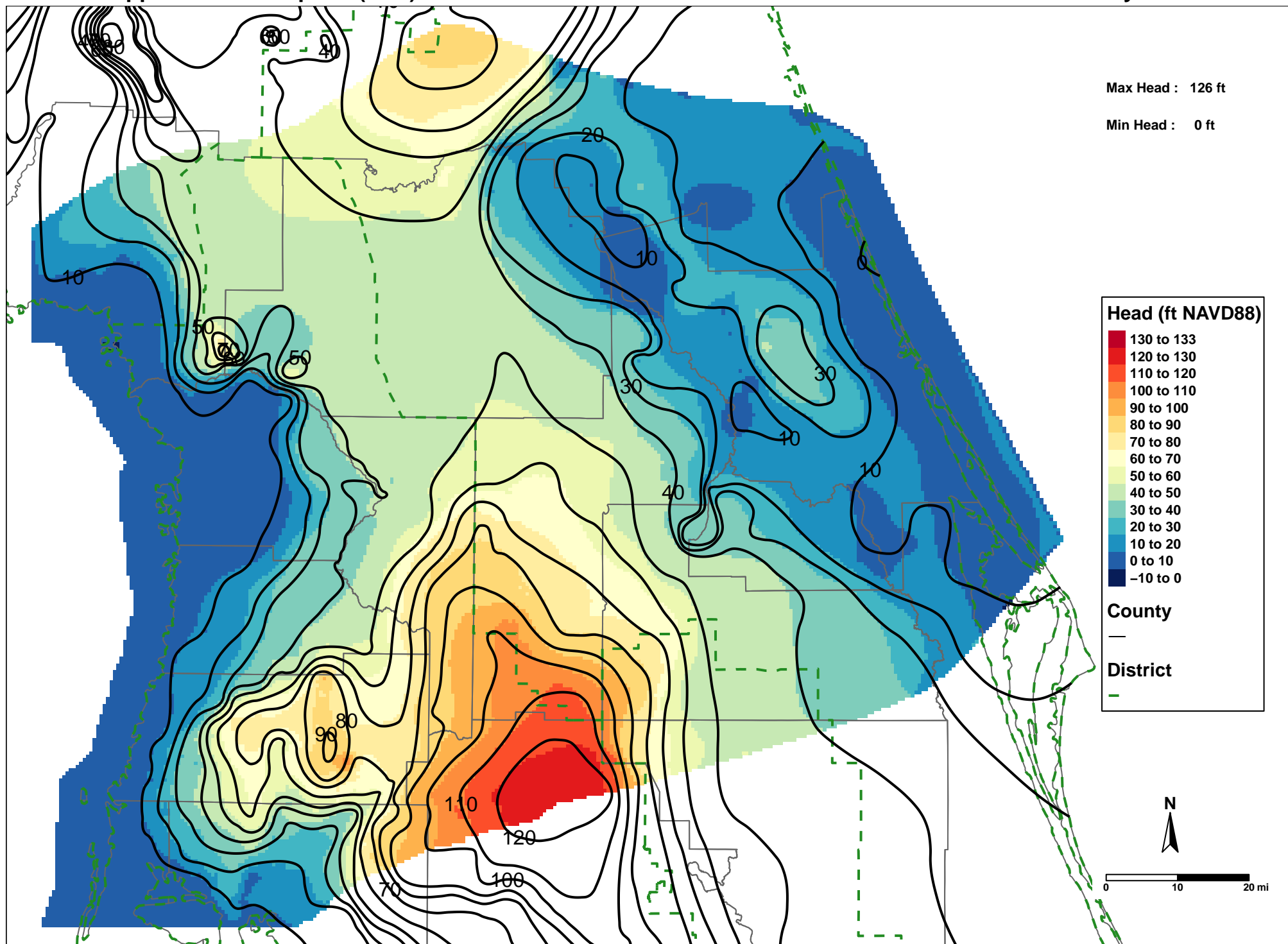
Central Springs Model (CSM) Transient Simulation

Upper Floridan Aquifer (UFA) – Simulated Head Stress Period 94 vs. Potentiometric Surface September 2013



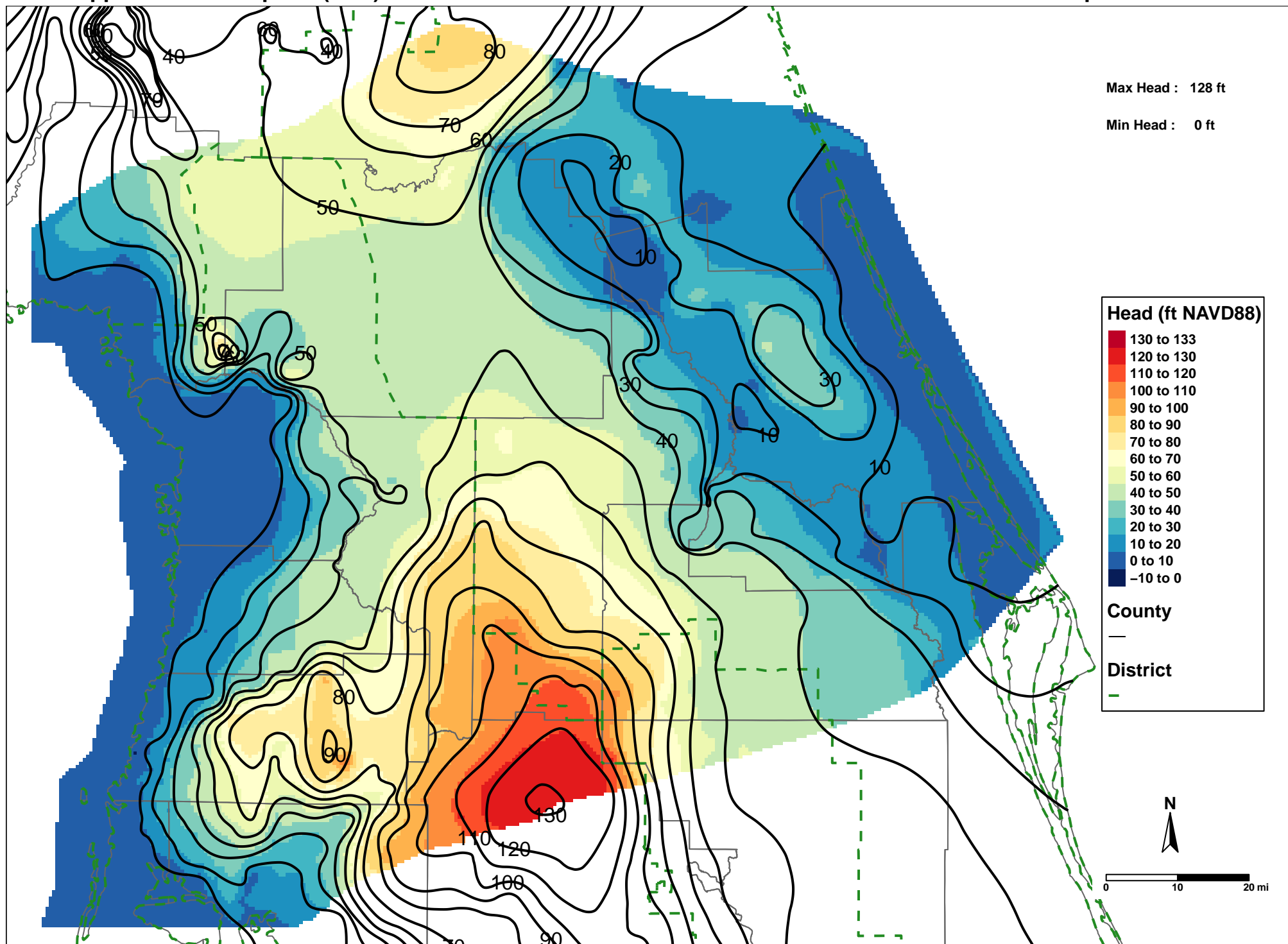
Central Springs Model (CSM) Transient Simulation

Upper Floridan Aquifer (UFA) – Simulated Head Stress Period 102 vs. Potentiometric Surface May 2014



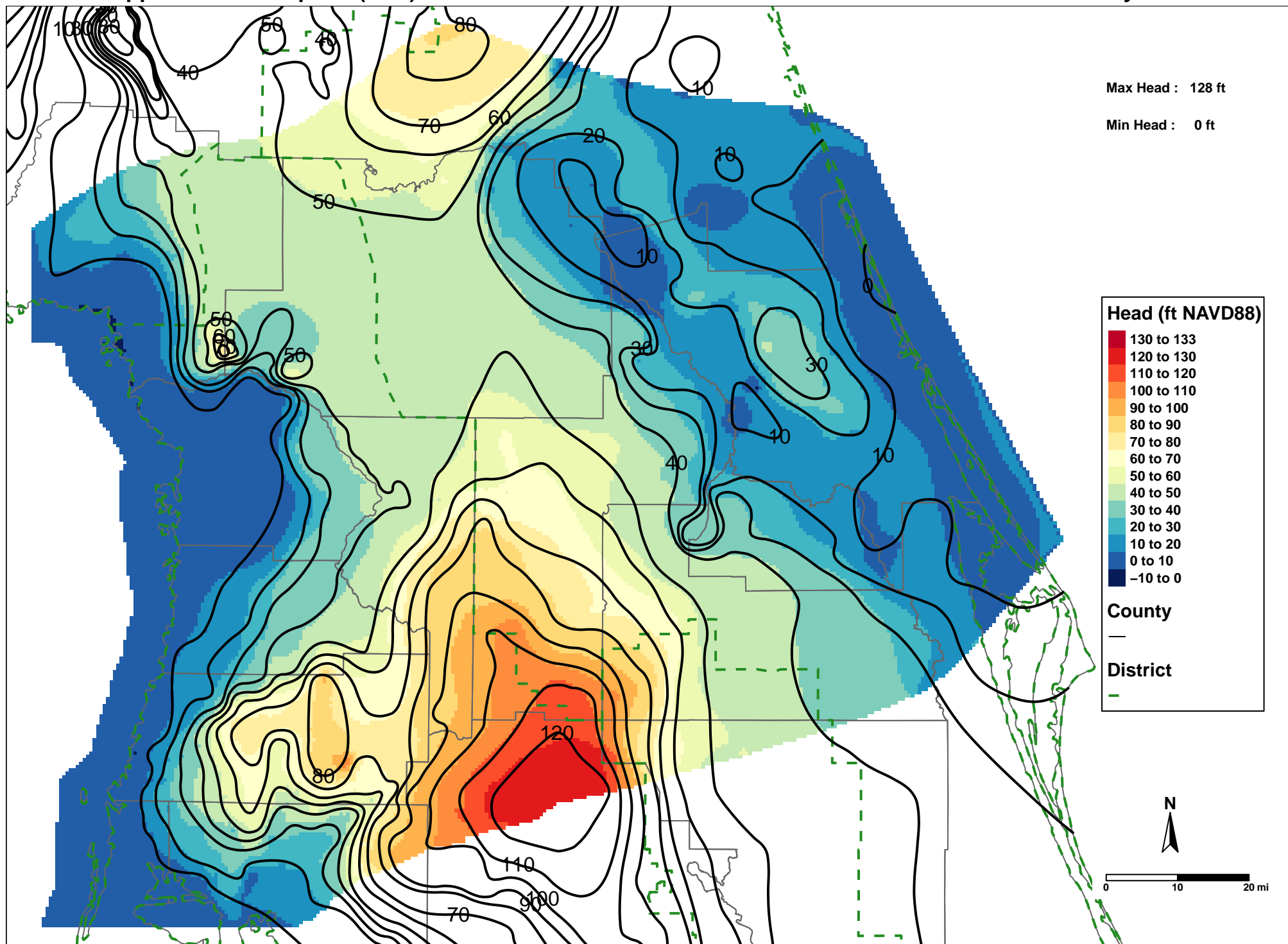
Central Springs Model (CSM) Transient Simulation

Upper Floridan Aquifer (UFA) – Simulated Head Stress Period 106 vs. Potentiometric Surface September 2014



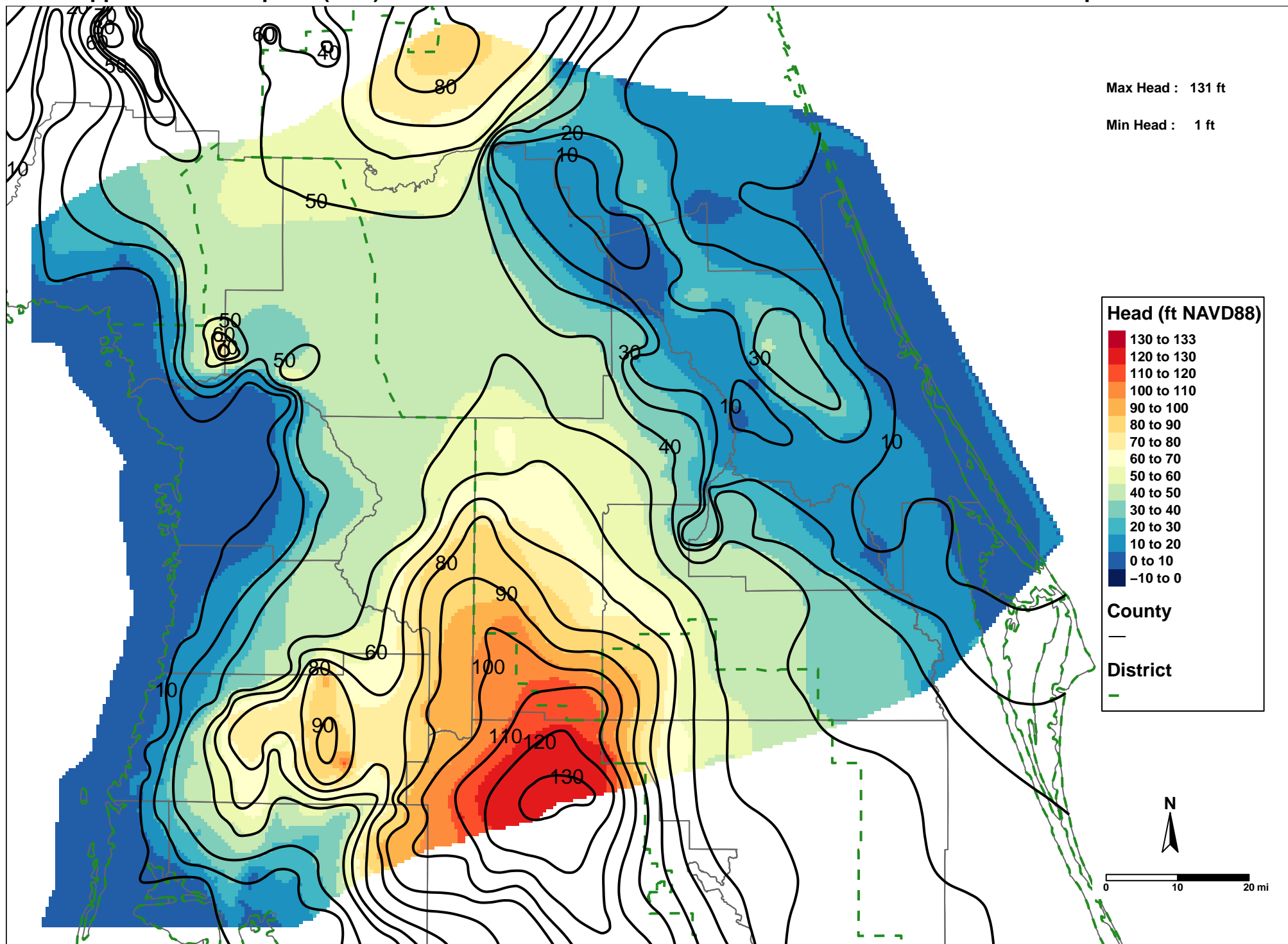
Central Springs Model (CSM) Transient Simulation

Upper Floridan Aquifer (UFA) – Simulated Head Stress Period 114 vs. Potentiometric Surface May 2015



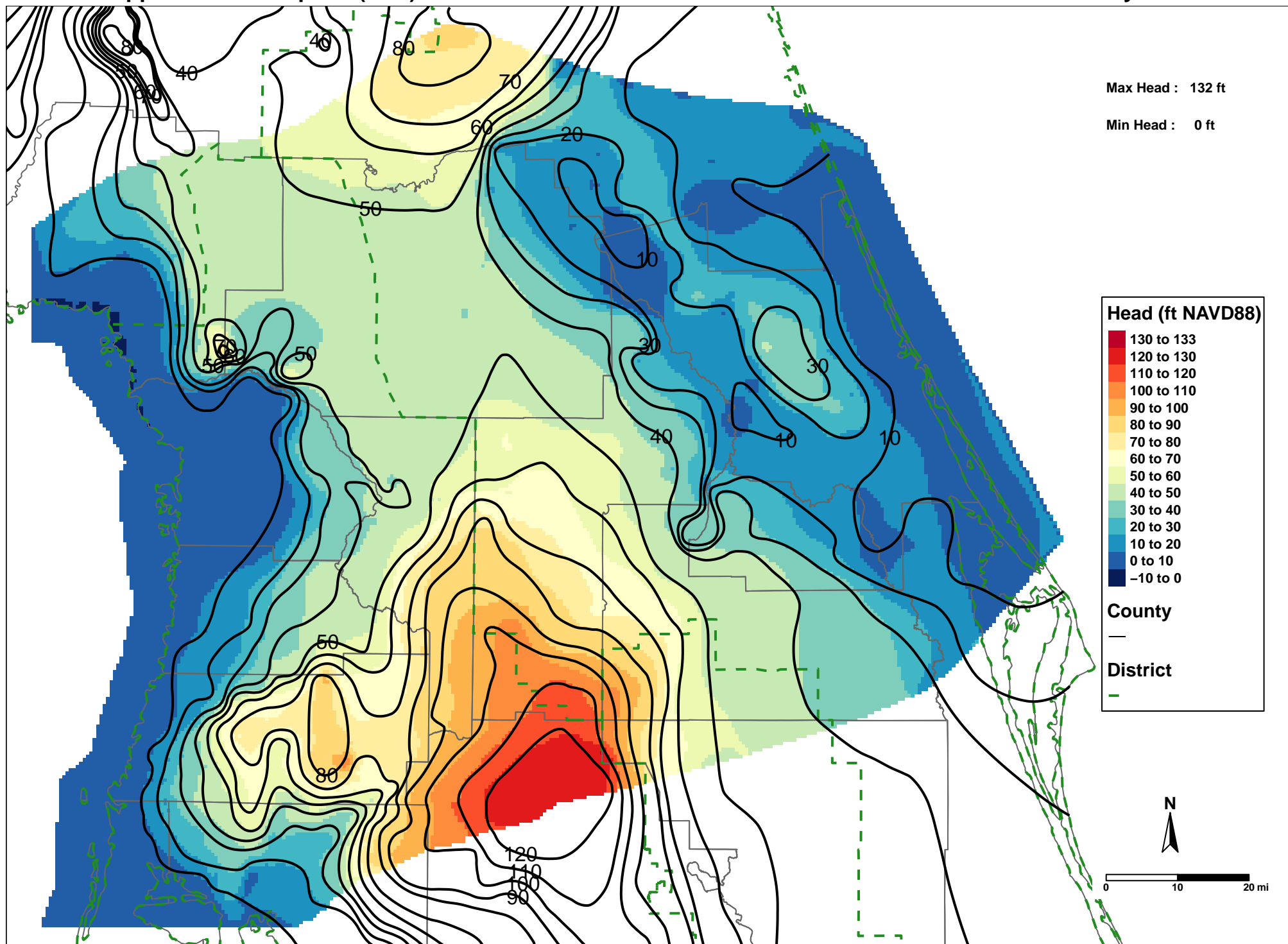
Central Springs Model (CSM) Transient Simulation

Upper Floridan Aquifer (UFA) – Simulated Head Stress Period 118 vs. Potentiometric Surface September 2015



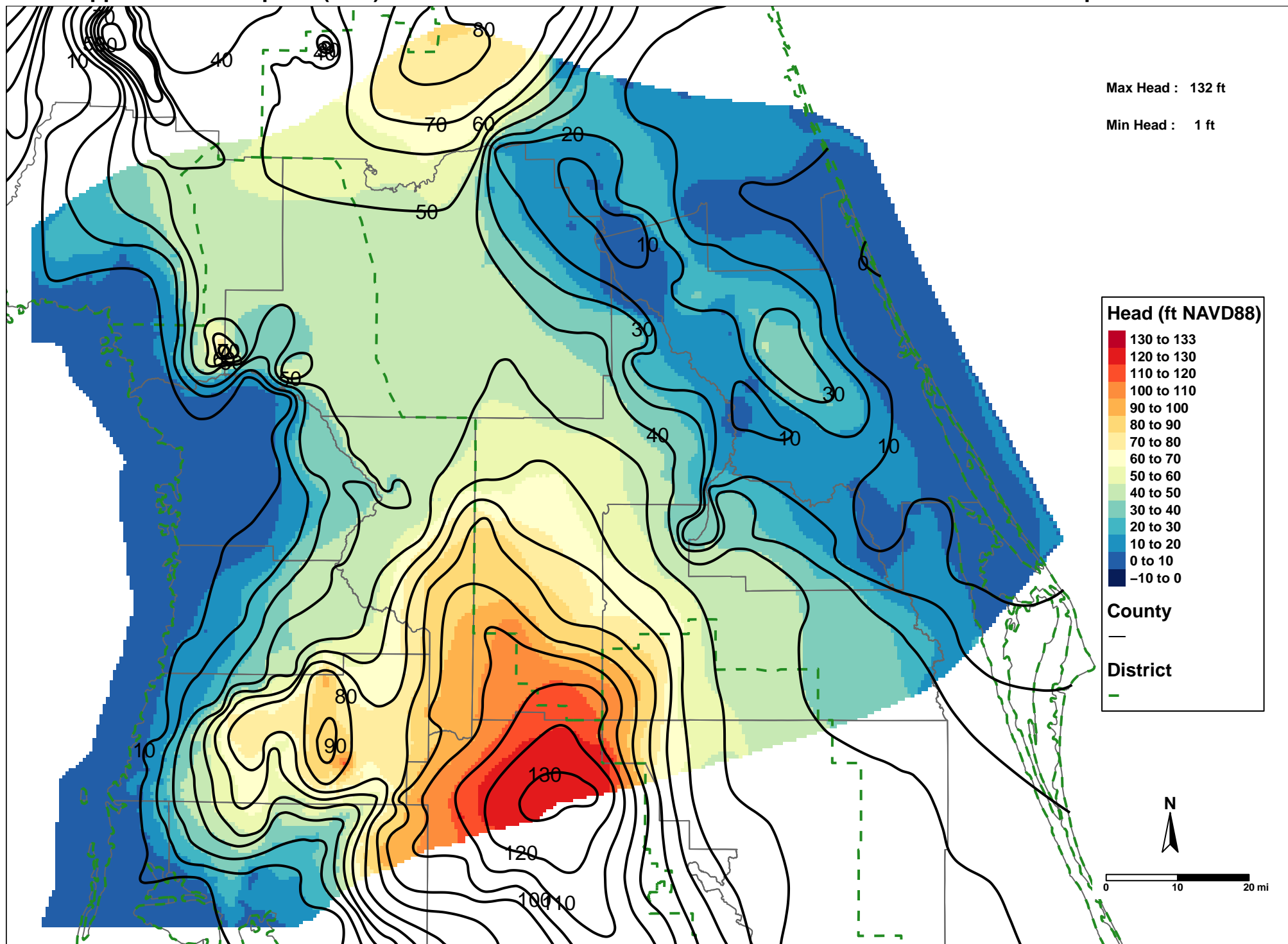
Central Springs Model (CSM) Transient Simulation

Upper Floridan Aquifer (UFA) – Simulated Head Stress Period 126 vs. Potentiometric Surface May 2016



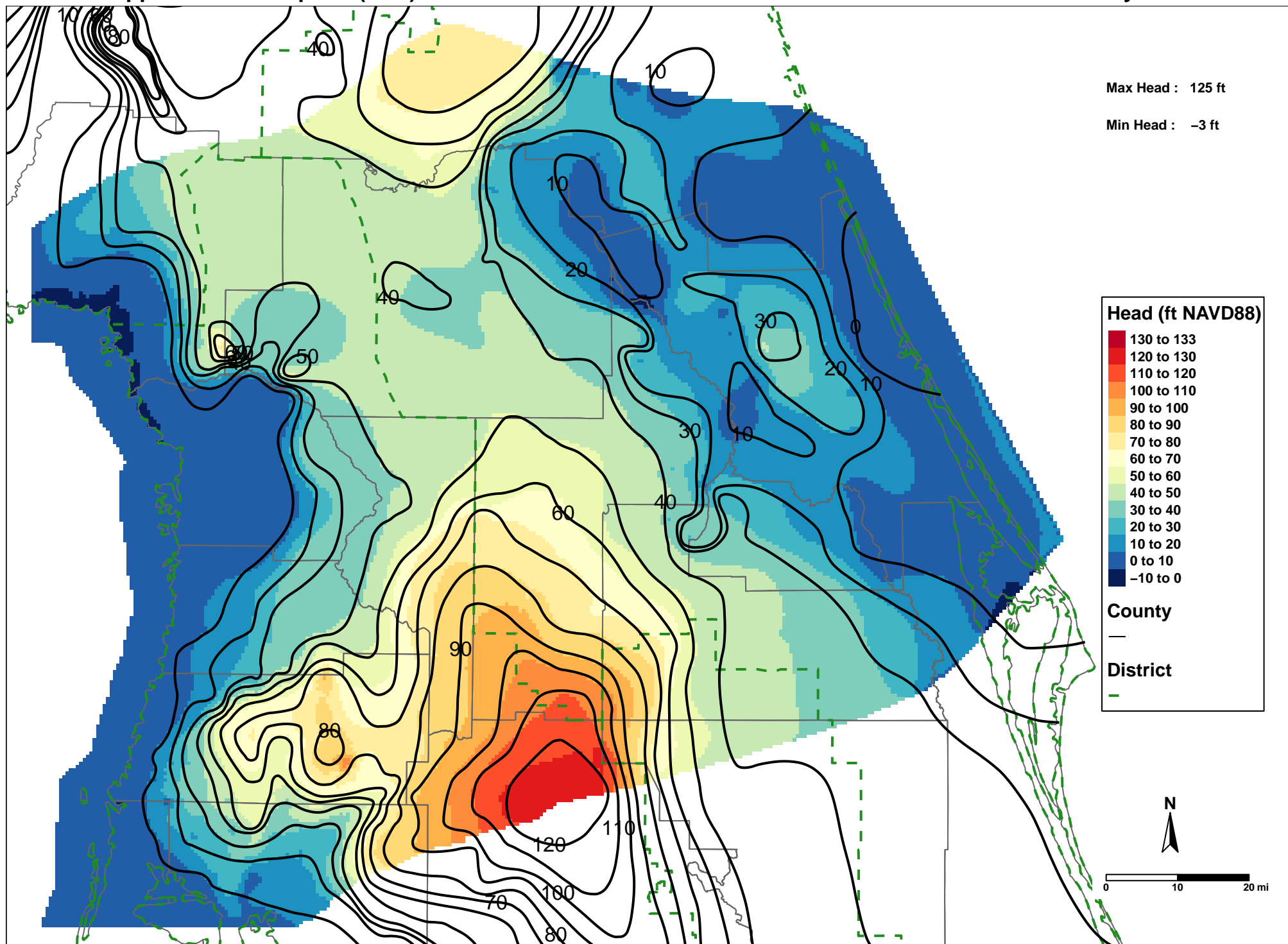
Central Springs Model (CSM) Transient Simulation

Upper Floridan Aquifer (UFA) – Simulated Head Stress Period 130 vs. Potentiometric Surface September 2016



Central Springs Model (CSM) Transient Simulation

Upper Floridan Aquifer (UFA) – Simulated Head Stress Period 138 vs. Potentiometric Surface May 2017



Central Springs Model (CSM) Transient Simulation

Upper Floridan Aquifer (UFA) – Simulated Head Stress Period 142 vs. Potentiometric Surface September 2017

