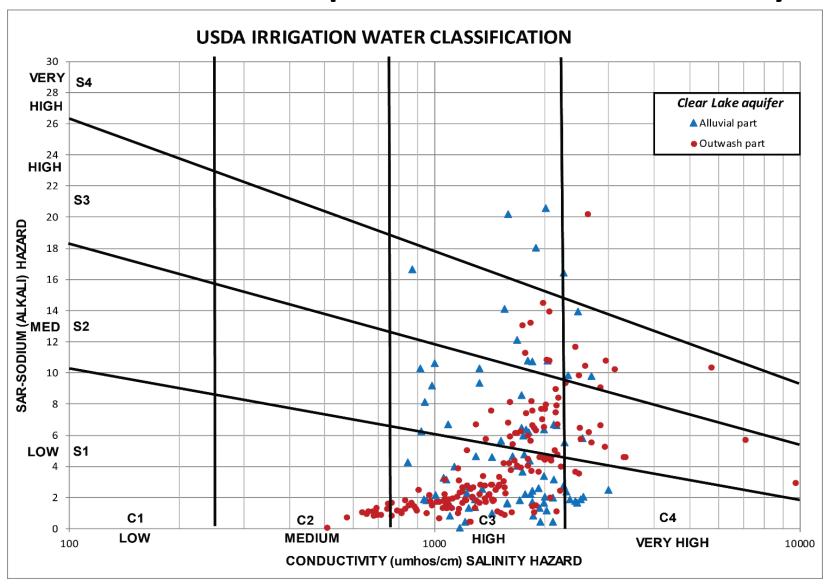
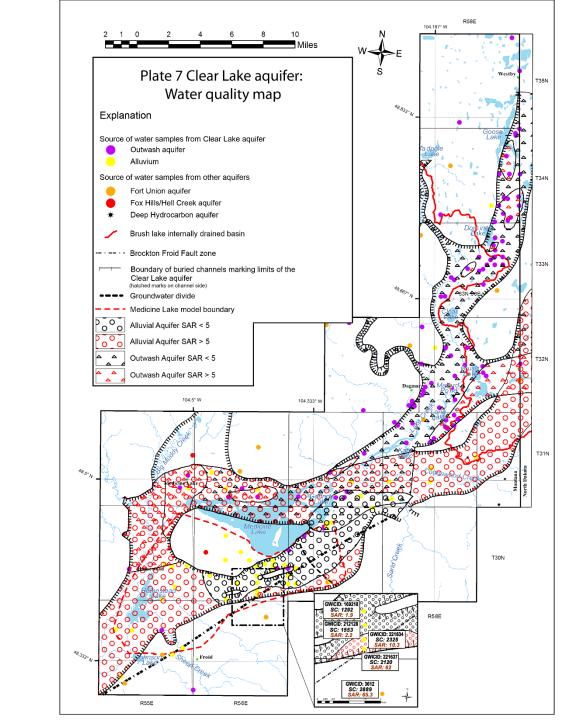
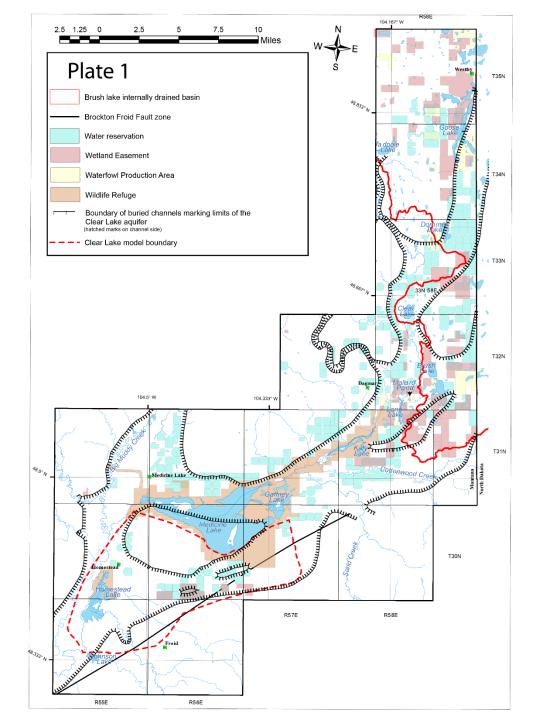


Clear Lake Aquifer Water Quality

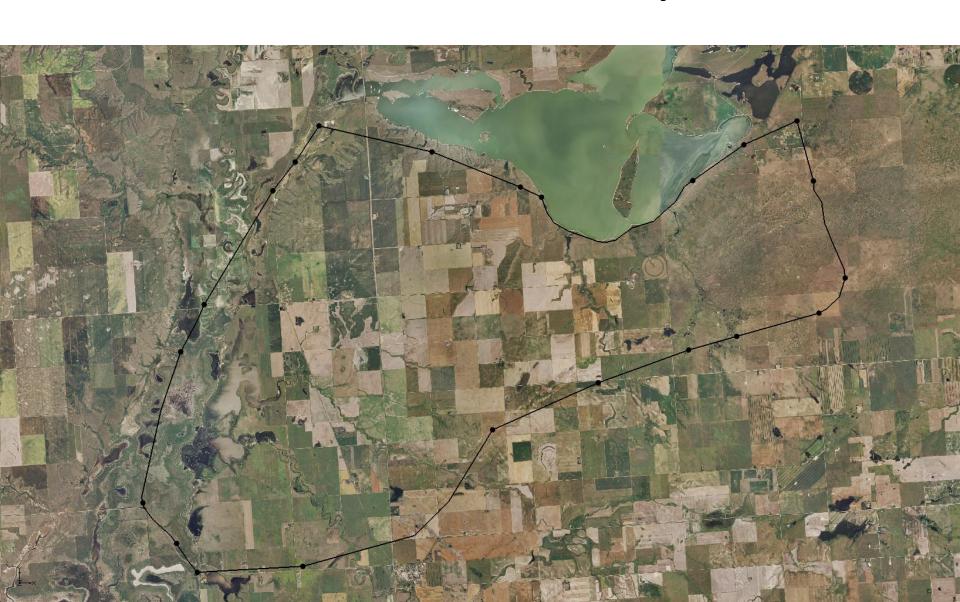








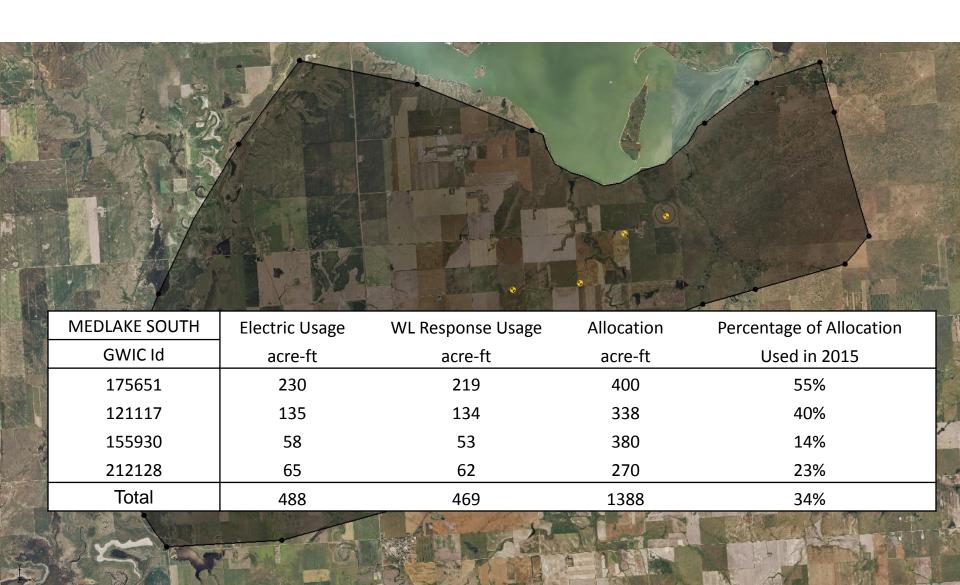
Model Boundary

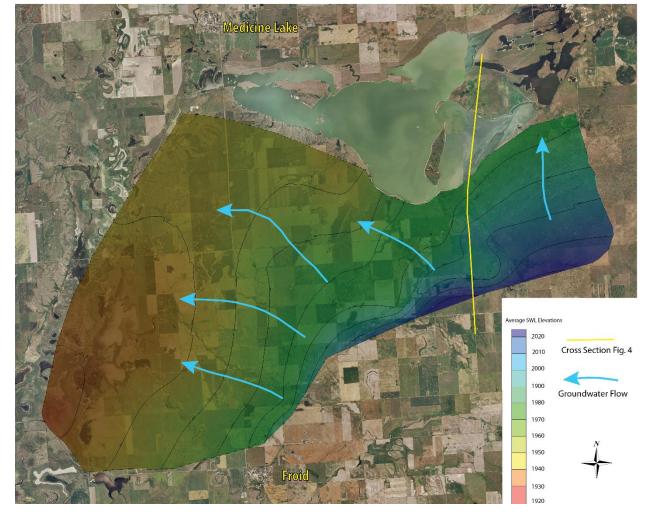


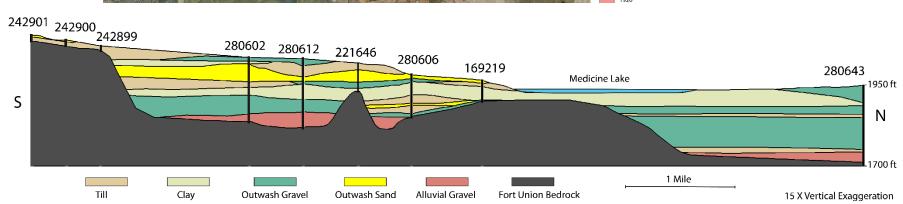
Sand Dunes Recharge Area



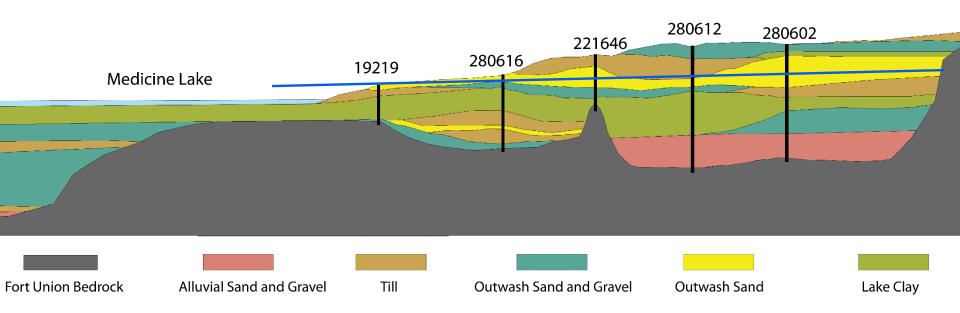
Existing Irrigation Wells







Aquifer Isolation from Medicine Lake



Well Log Stratigraphy for Well 155930

Yellow Clay

Medium

Grey Clay

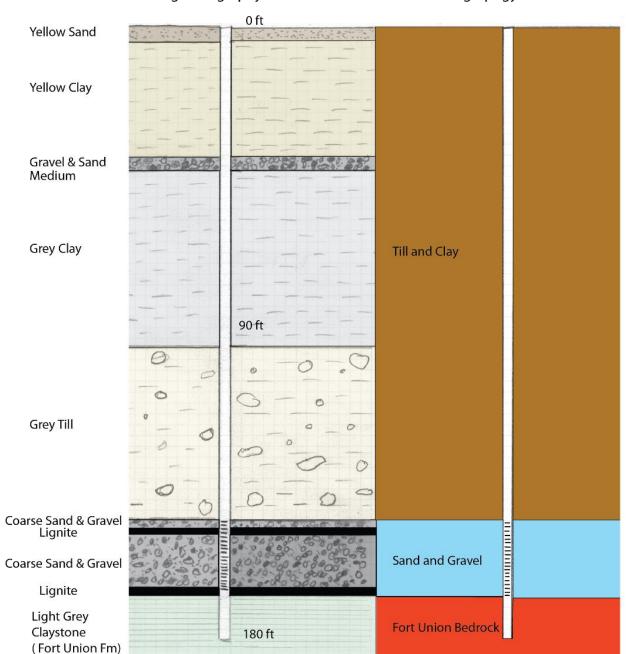
Grey Till

Lignite Light Grey

Claystone

Stratigraphy Modeling

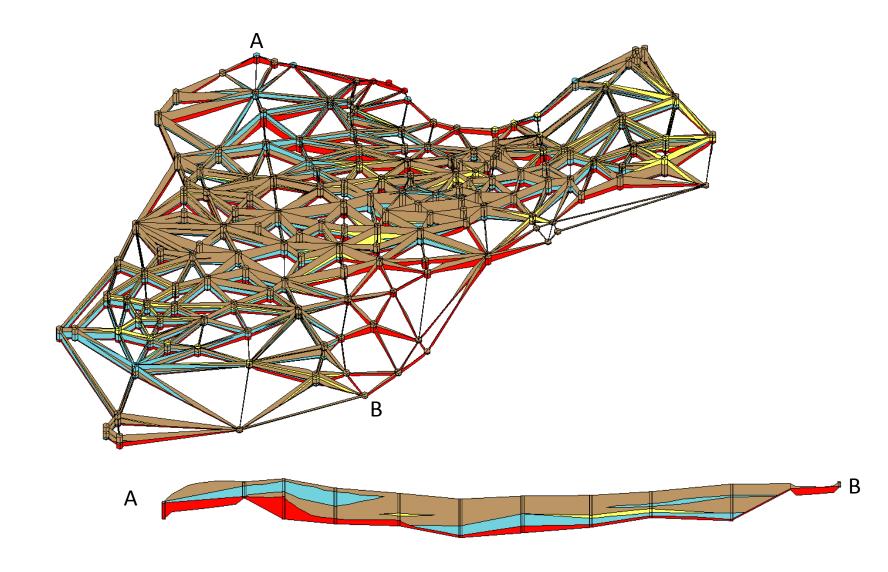




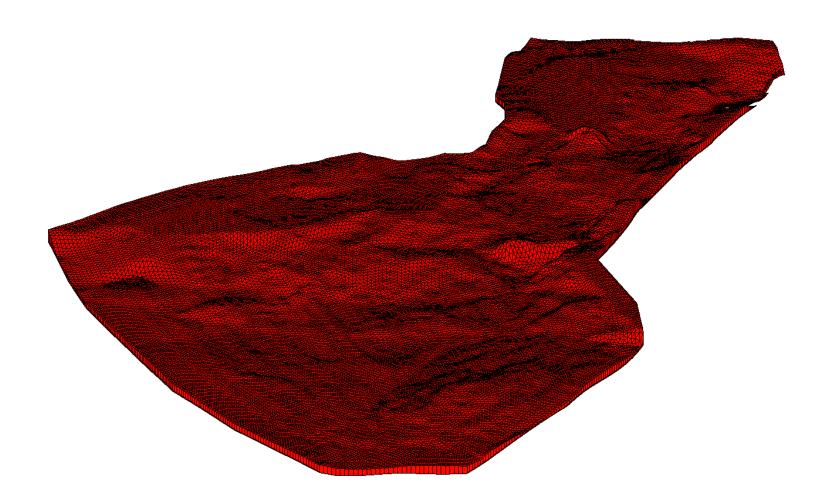
Boreholes and Cross Sections



Cross Sections

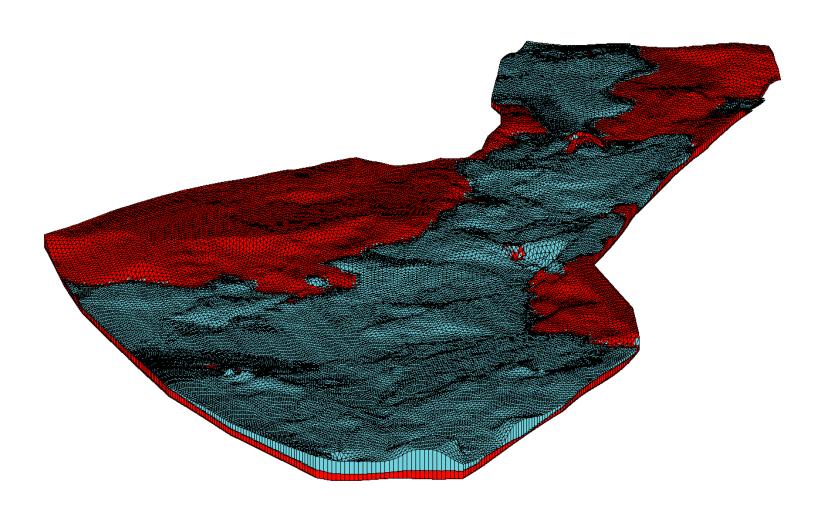


Fort Union Bedrock



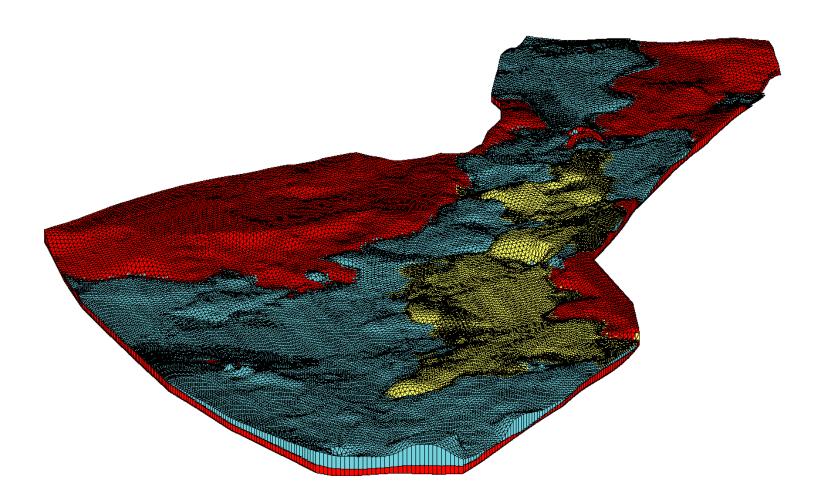


Lower Alluvial and Glacial Gravel



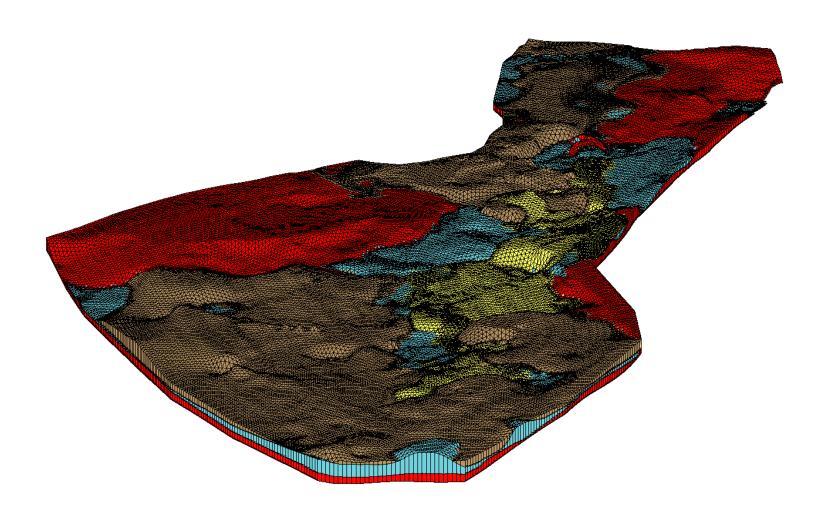


Sand



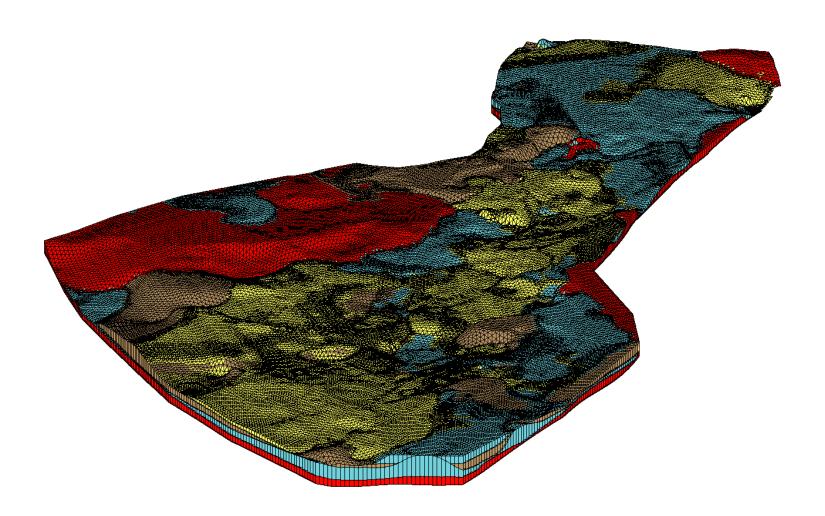


Glacial Till and Lake Clay



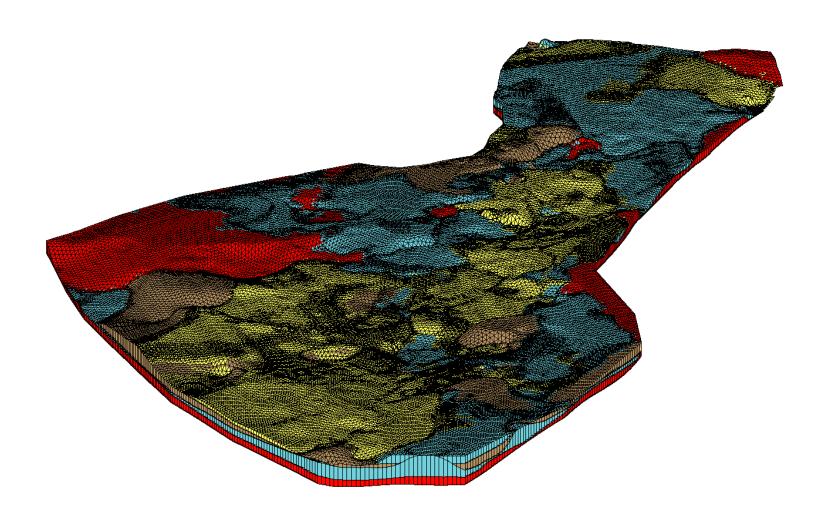


Glacial Outwash Sand and Gravel



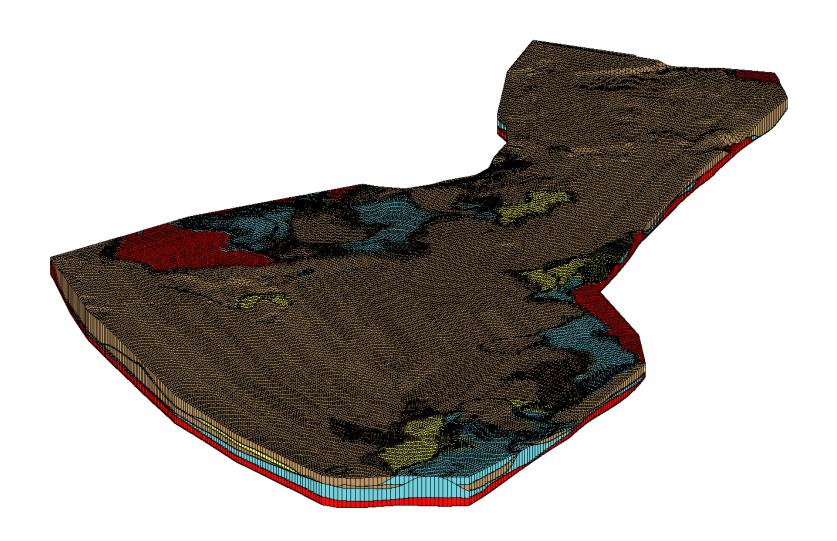


Upper Terrace Gravels?



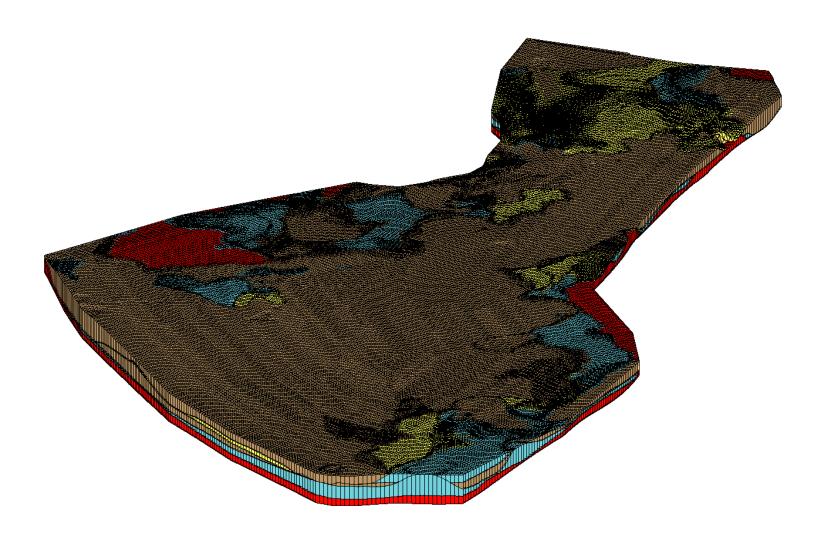


Glacial Till and Lake Clay



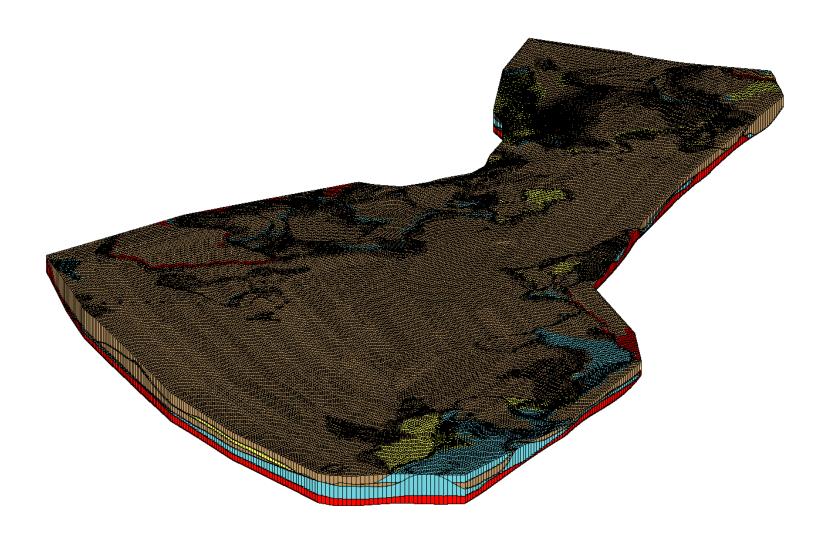


Sand Dunes and Till

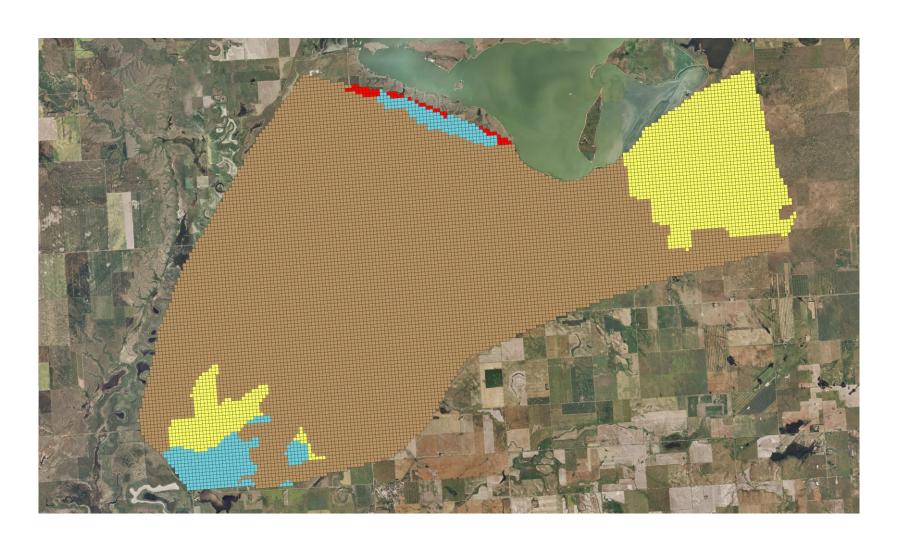


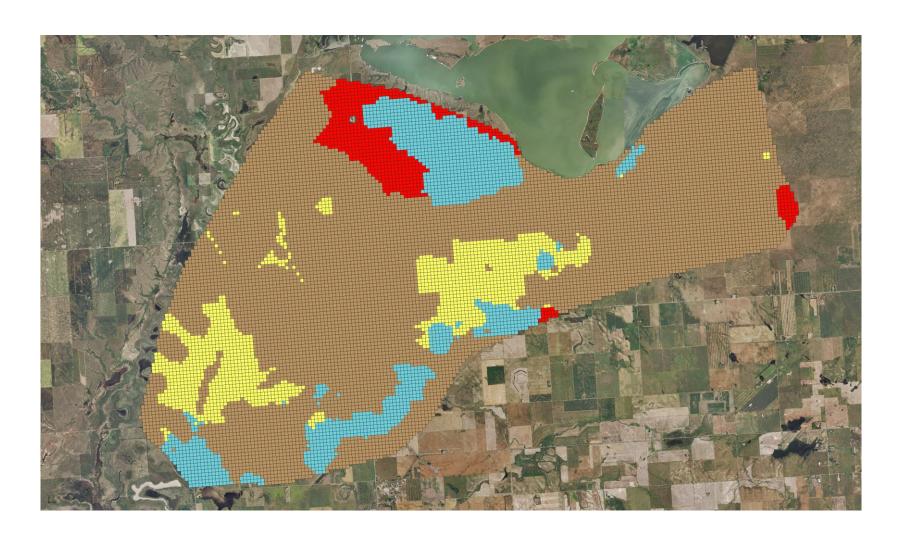


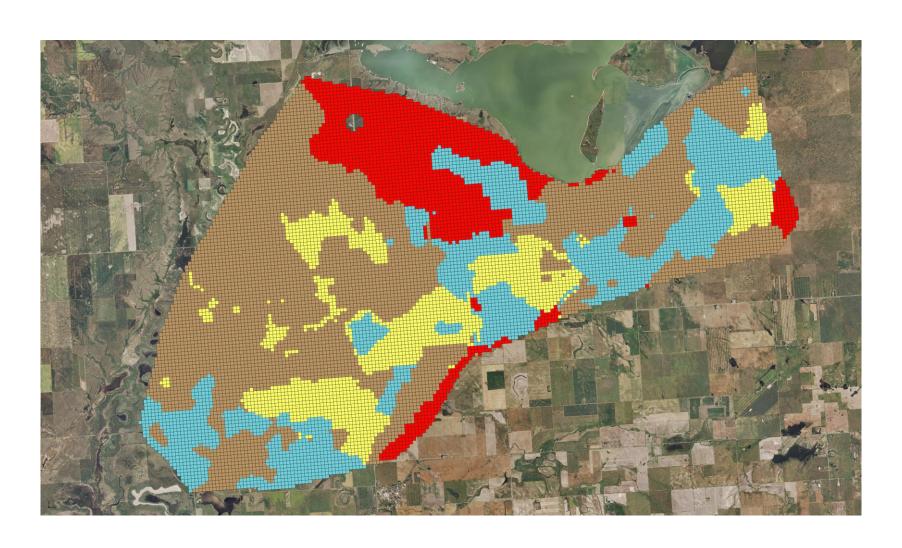
Upper Till and Clay

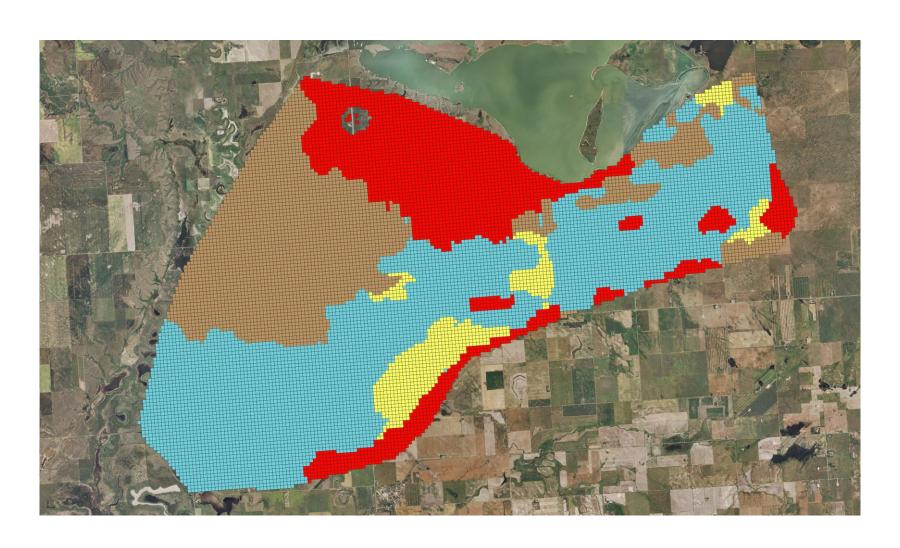


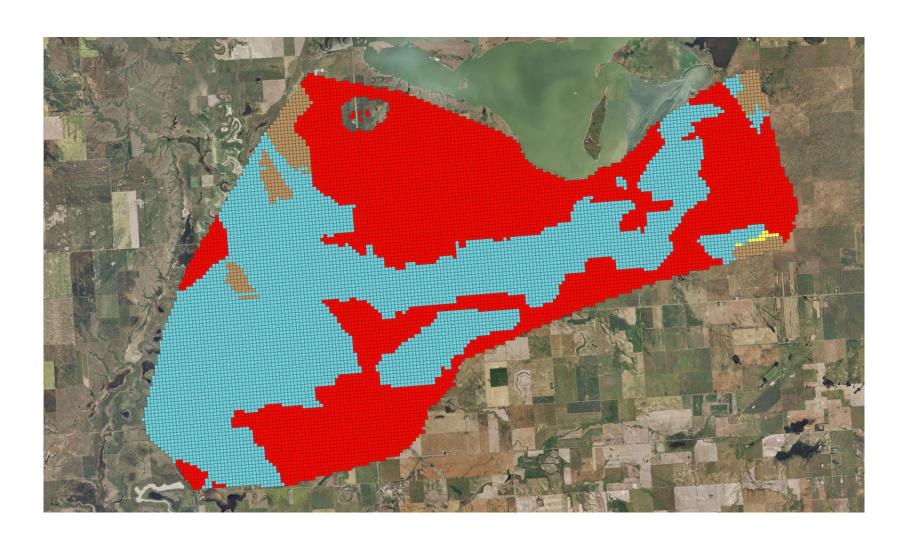






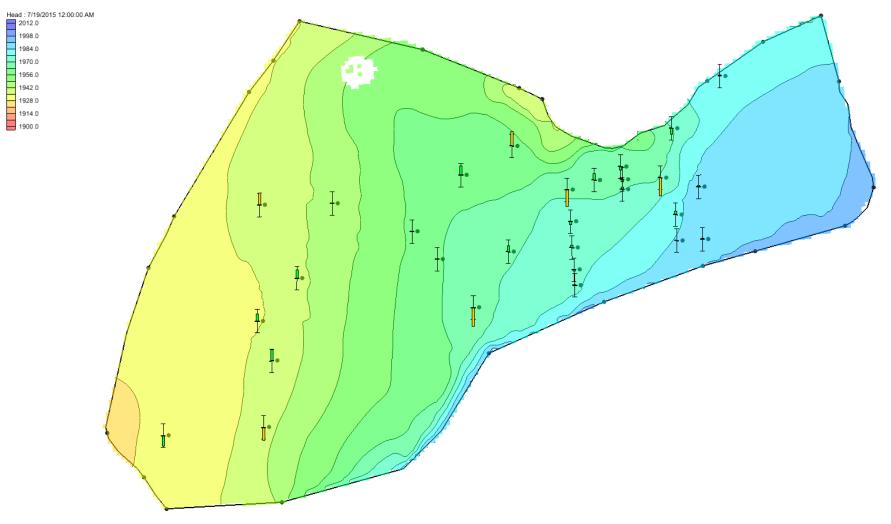








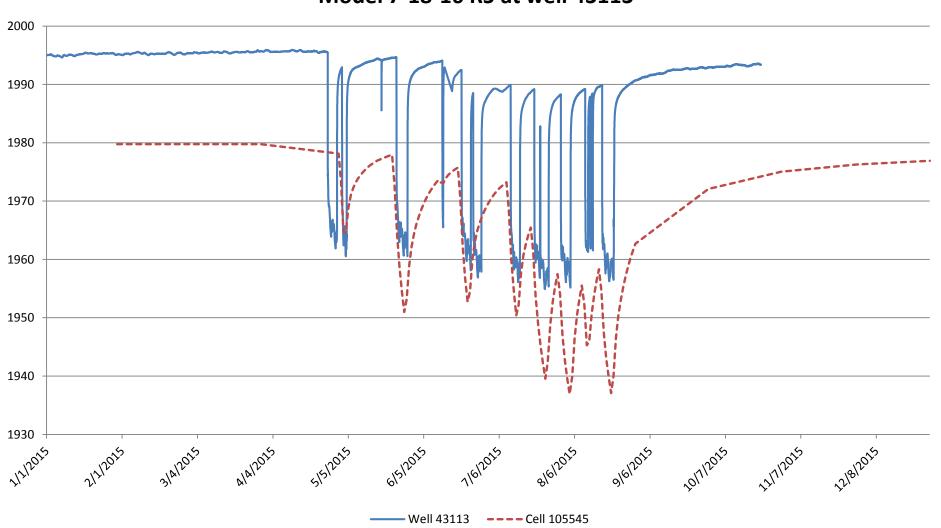
Observation Wells



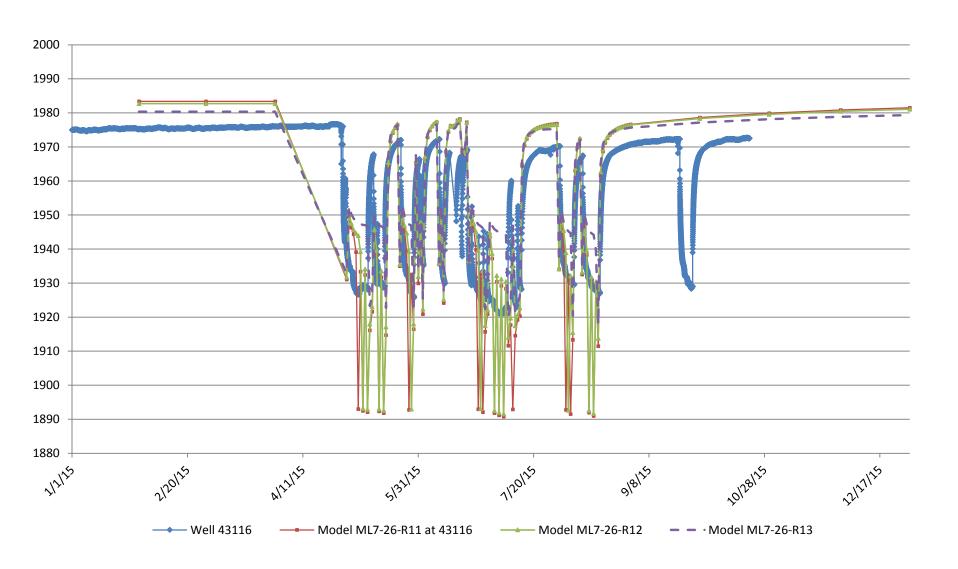


Curve matching calibration

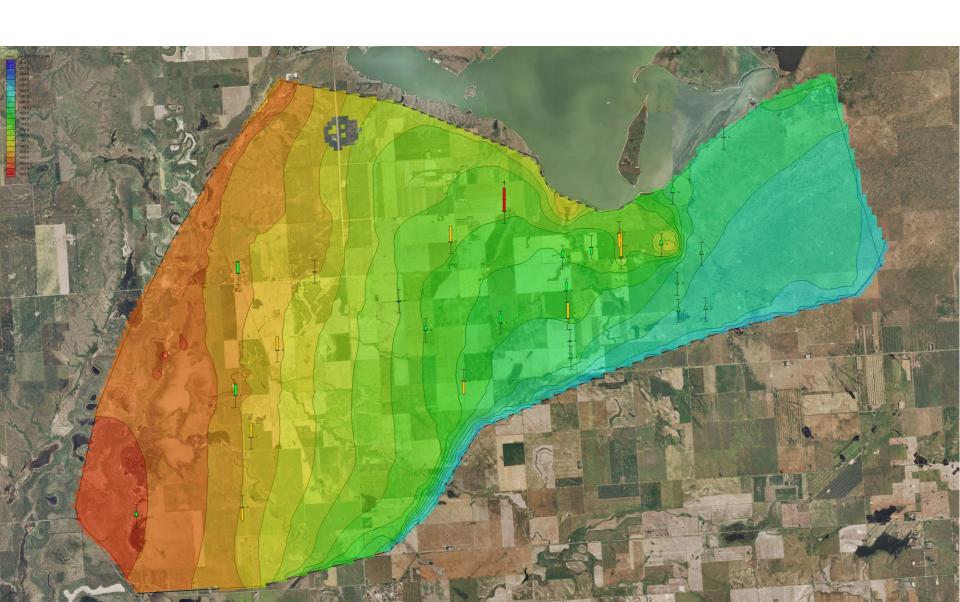
Model 7-18-16 R5 at well 43113



Curve matching calibration

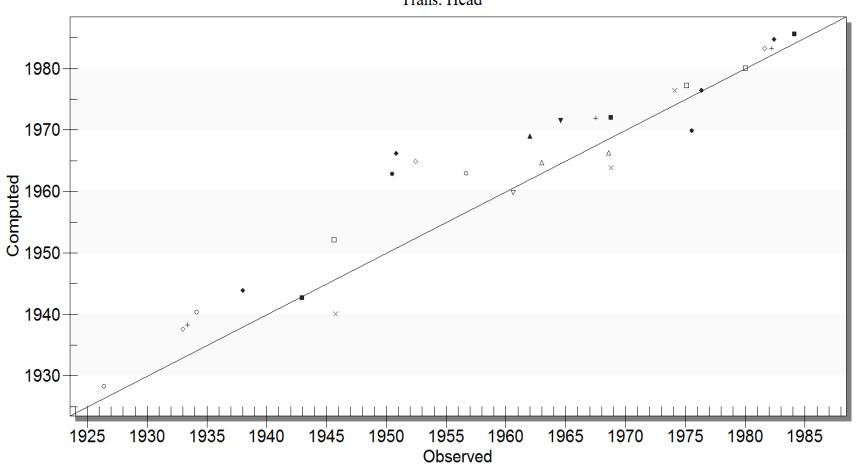


Calibration for July 25, 2015 Water Levels

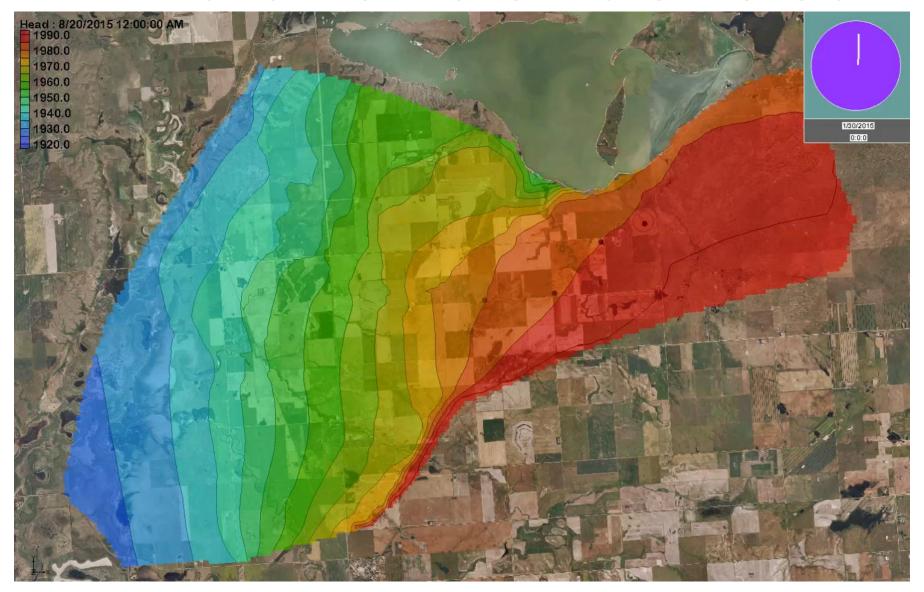


Calibration for July 25, 2015

Computed vs. Observed Values
Trans. Head



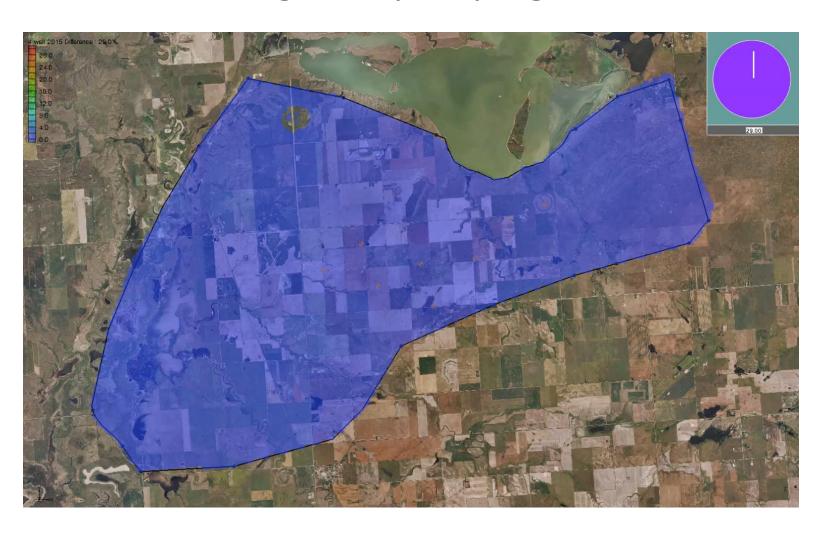
Animation for 2015 Water Levels



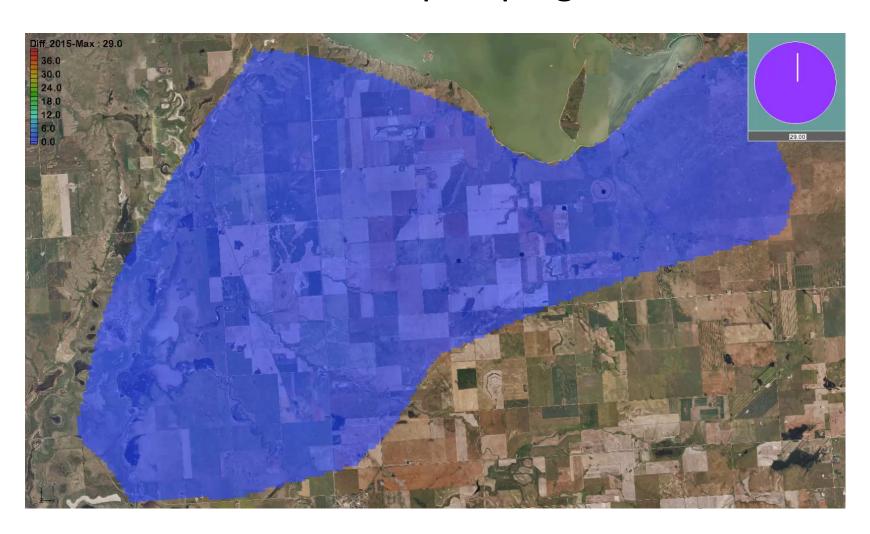
Predictive Scenarios

- No irrigation water use.
- 4 existing wells pumping to full allocation level.
- · 4 additional irrigation wells at 2015 level use.
- All 8 wells pumping at full allocation level.

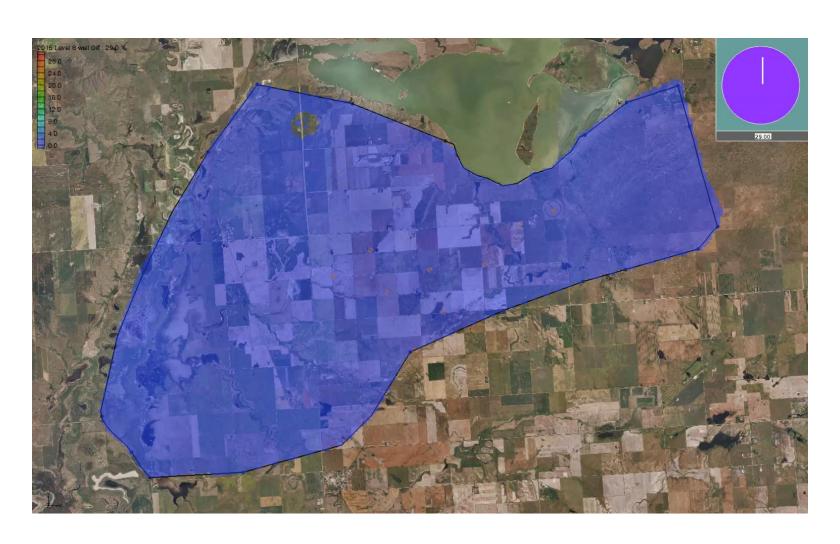
Animation of the difference between 4 well 2015 level irrigation pumping and "no use"



Animation of the difference between 4 well maximum allocation pumping and "no use"



Animation of the difference between 8 wells at 2015 level use and "no use"



Animation of the difference between 8 wells pumping at maximum allocation and "no use"

