

GAM run 03-13

by Ali Chowdhury
Texas Water Development Board
Groundwater Availability Modeling Section
(512) 463-7847
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REQUESTOR:

Texas Commission on Environmental Quality

DESCRIPTION OF REQUEST:

What are the water level drawdowns for Rusk, Smith, and Gregg counties for each decade of 2010 – 2030 in the Northern Carrizo-Wilcox aquifer GAM?

METHOD:

Ran the predictive 2000 - 2050 for the Northern Carrizo-Wilcox aquifer (Fryar and others, 2003) and plotted drawdowns in the three county area.

PARAMETERS AND ASSUMPTIONS:

None: Data request.

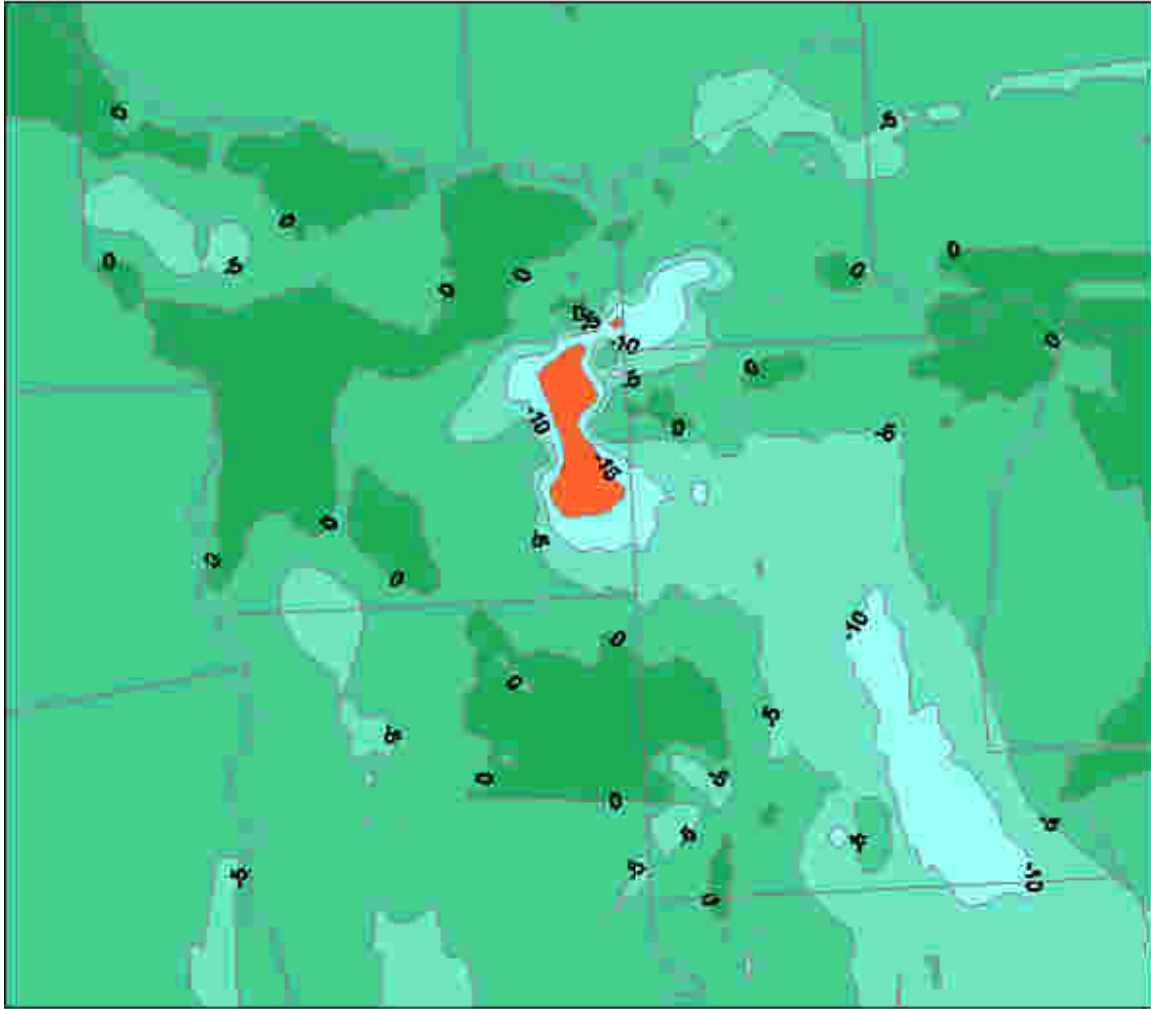
RESULTS:

See attached figures. There is one figure per layer for each of 2010, 2020, and 2030.

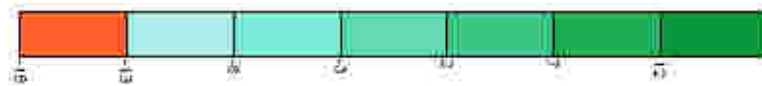
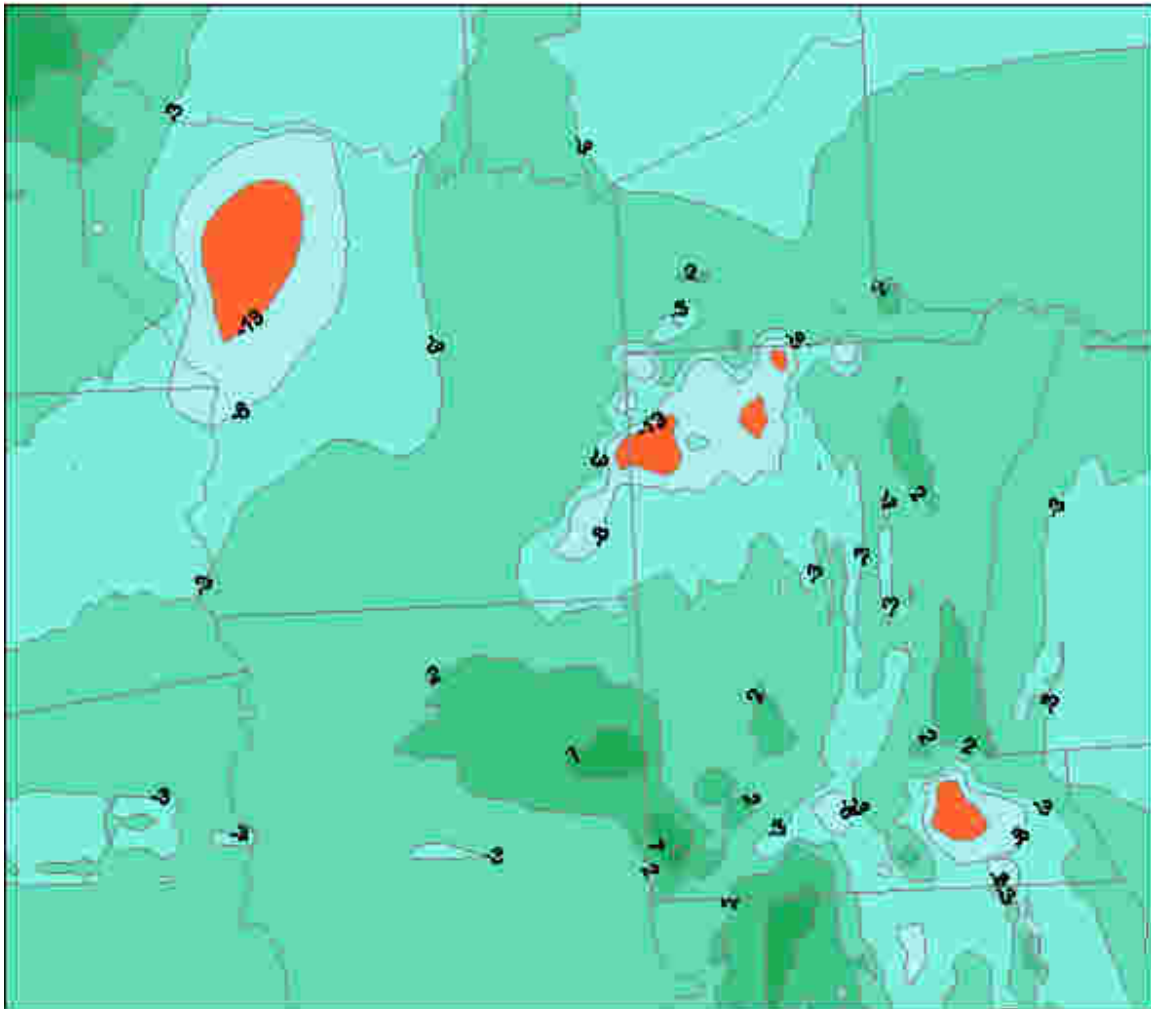
REFERENCES:

Fryar, D., Senger, R., Deeds, N., Pickens, J., Jones, T., Whallon, A. J., and Dean, K.E., 2003, Groundwater Availability Model for the Northern Carrizo-Wilcox Aquifer: Final Report prepared for the Texas Water Development Board.

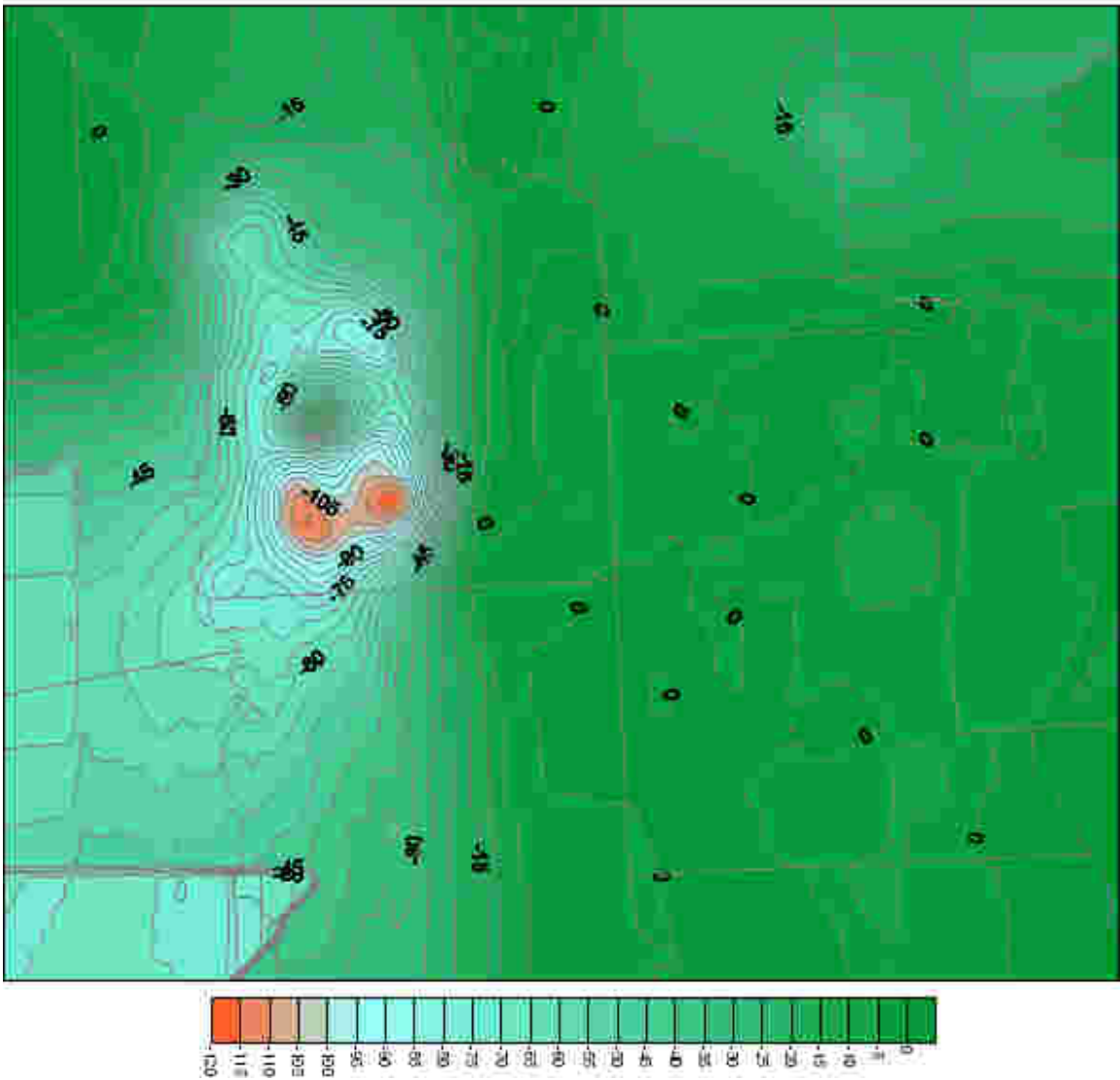
Water level difference map for 2010, (1999-2010), Layer 1, Queen City



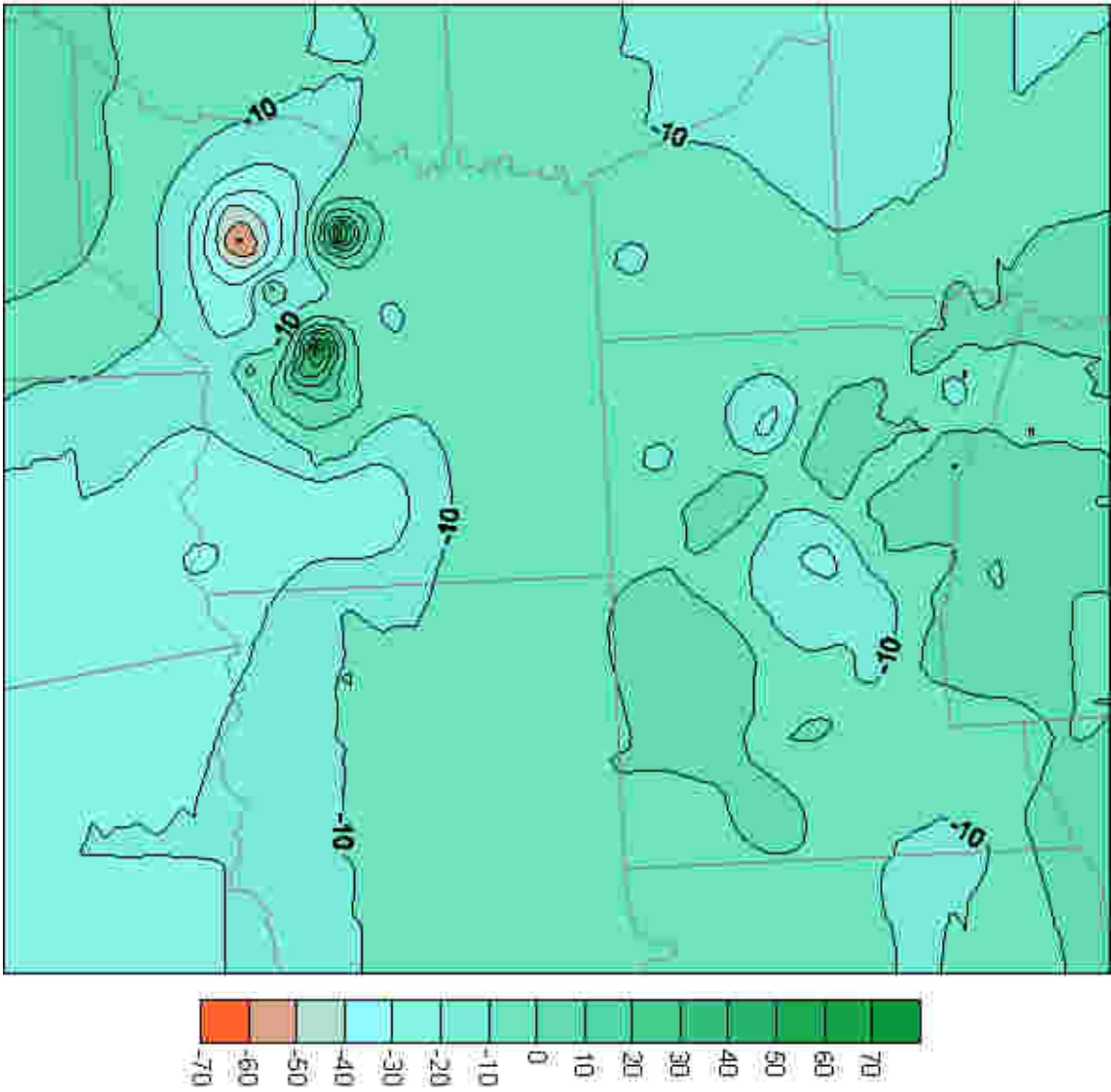
Water level difference map for 2010 (1999-2010), Layer 2, Reclam



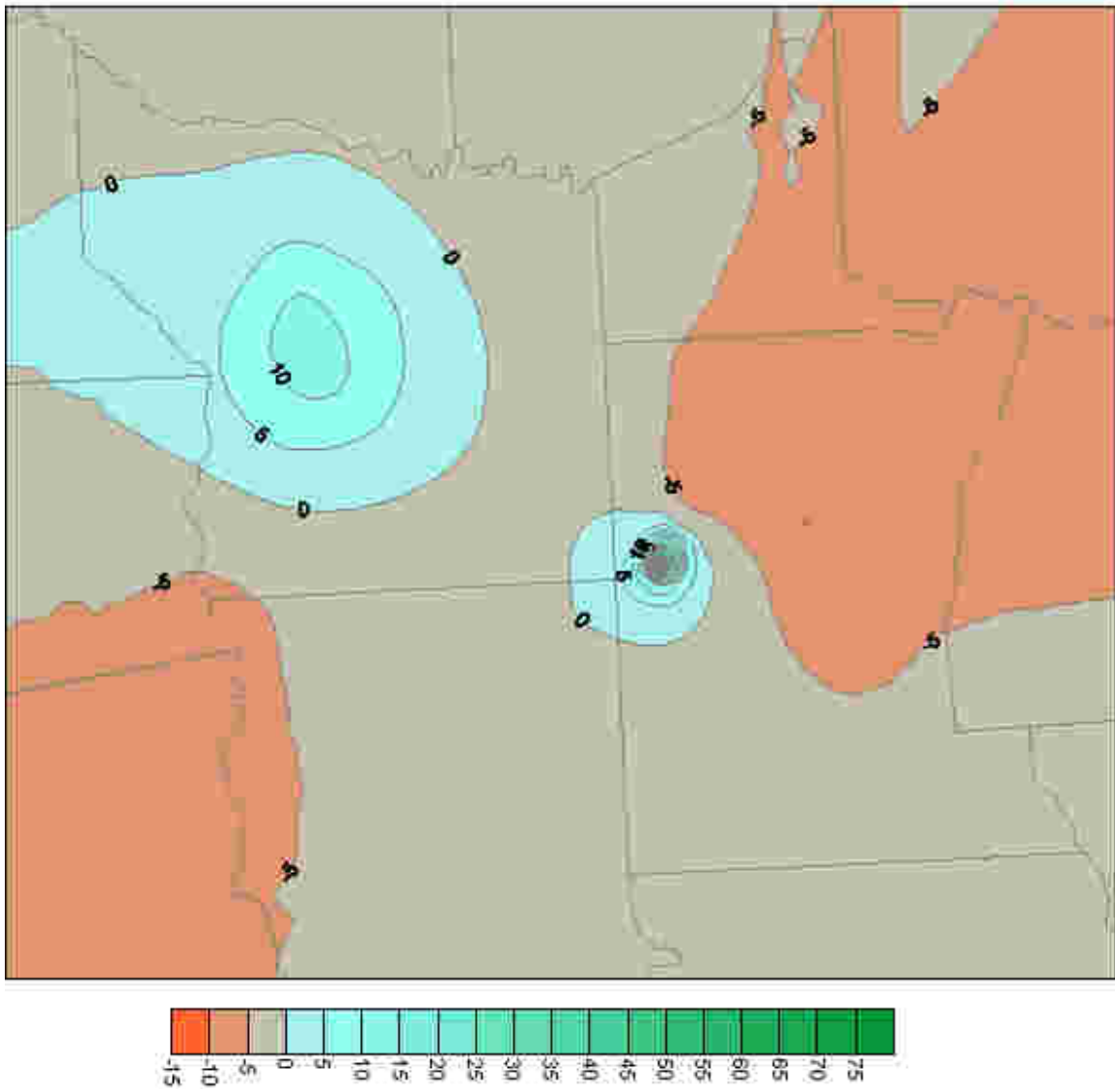
Water level difference map for 2010 (1999-2010), Layer 3, Carrizo Sand



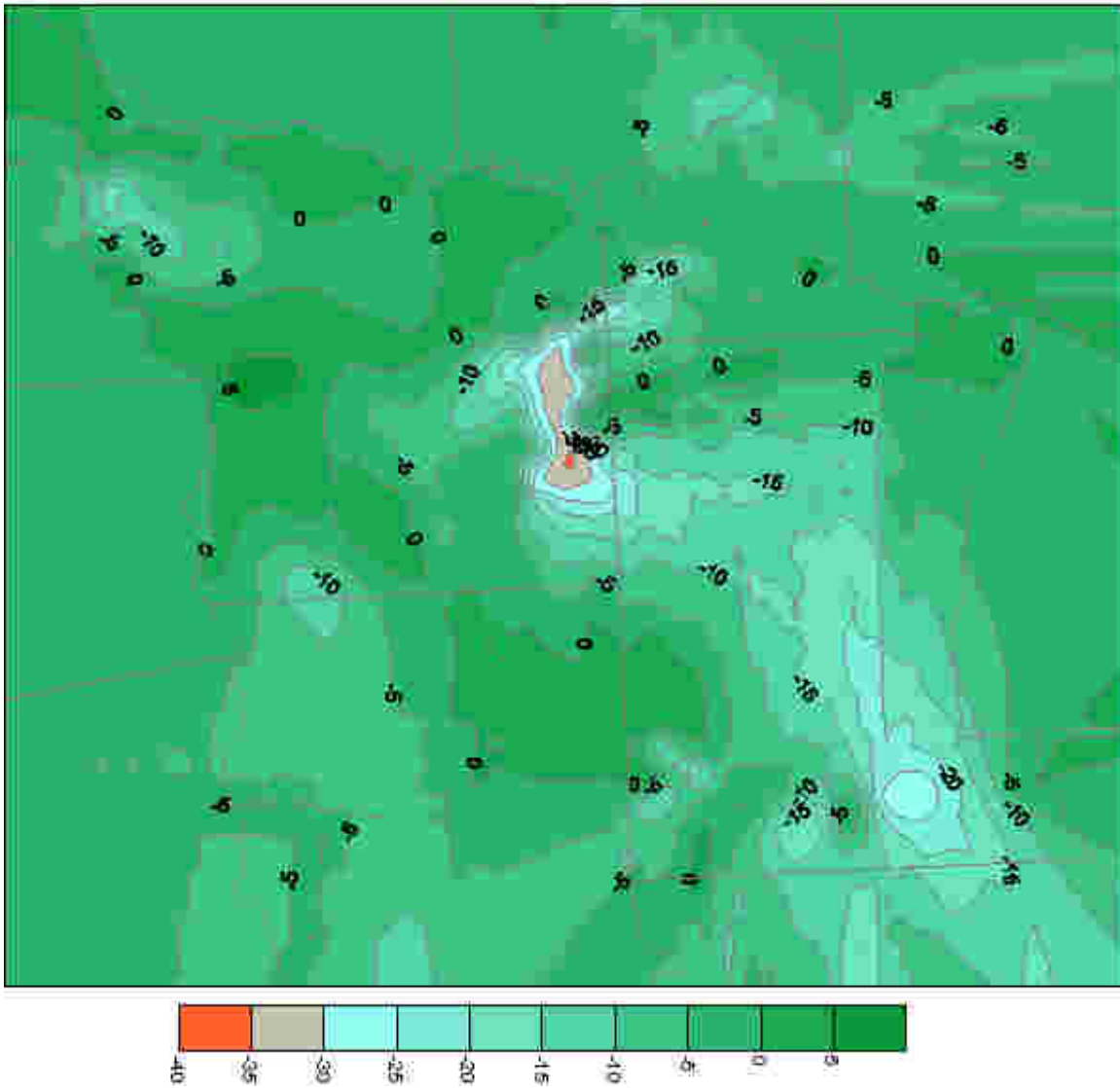
Water level difference map, for 2010, (1999-2010), Layer 4, Upper Wicox



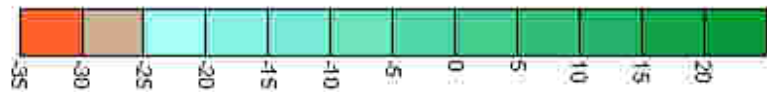
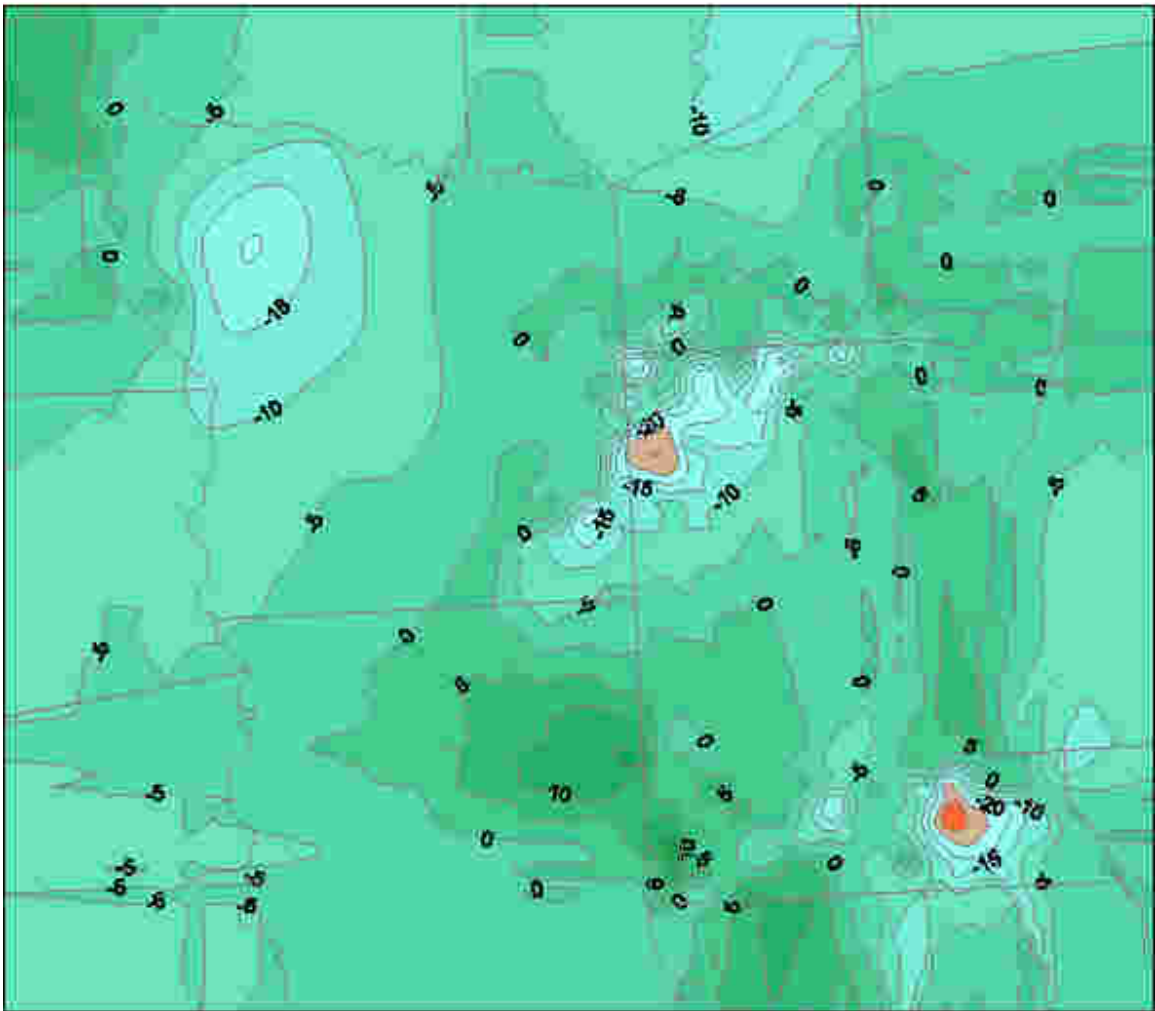
Water level difference map for 2010 (1999-2010), Layer 6, Lower Wilcox



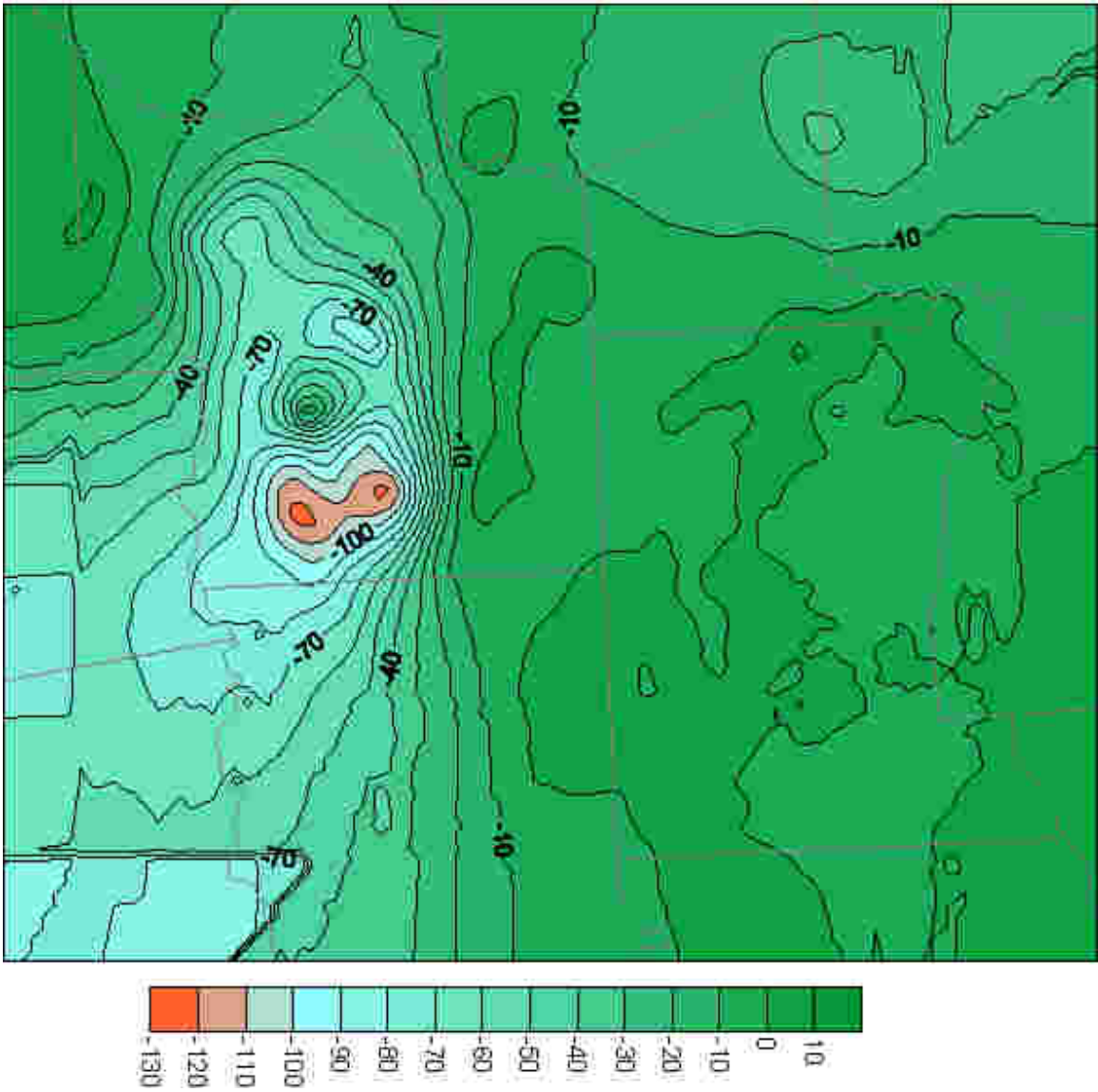
Water level difference map for 2020 (1999-2020), Layer 1, Queen City



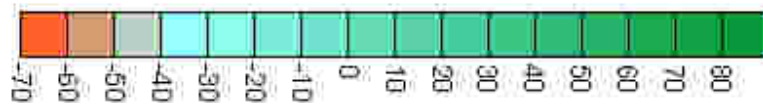
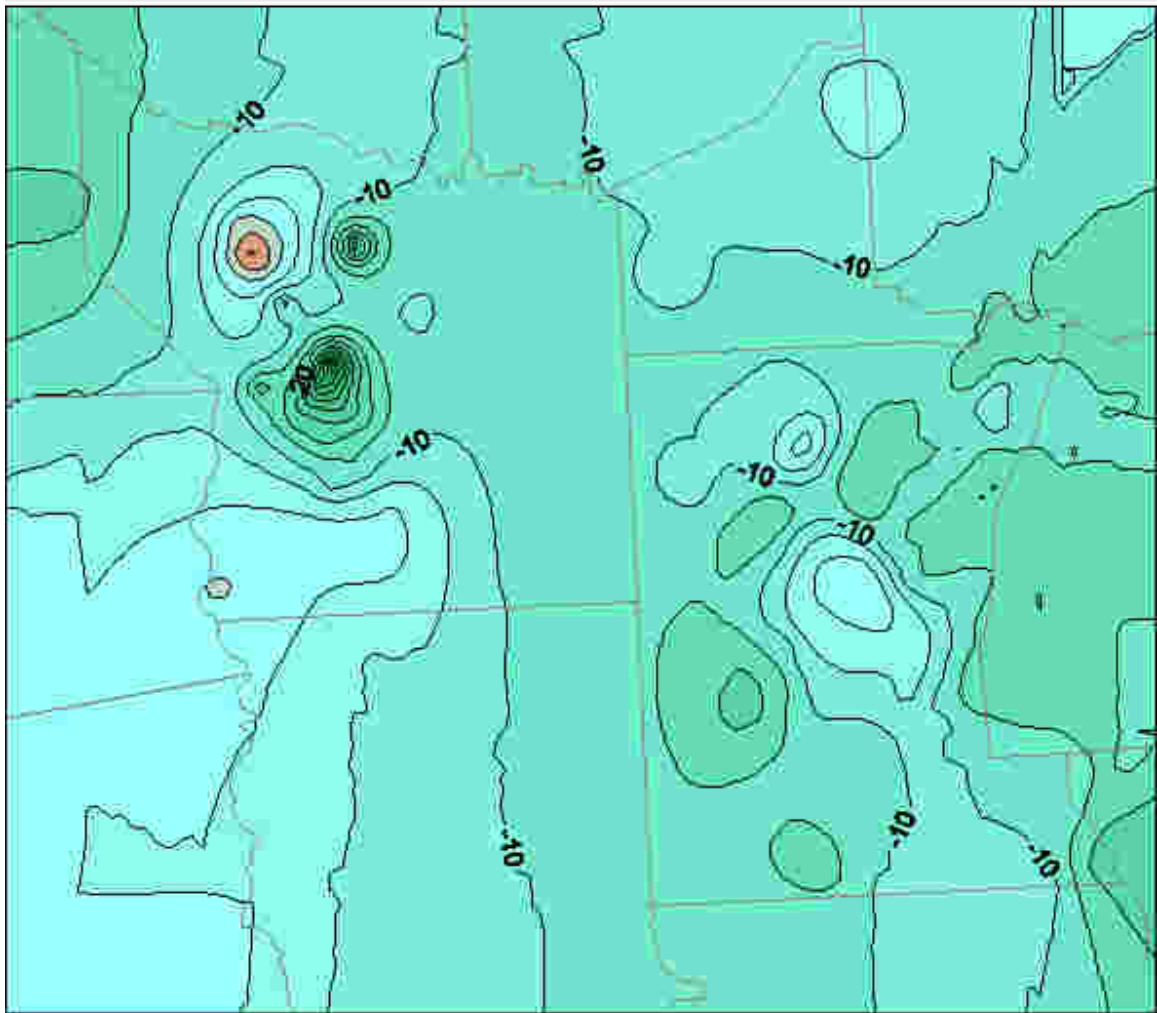
Water level difference map for 2020 (1999-2020), Layer 2, Recklaw



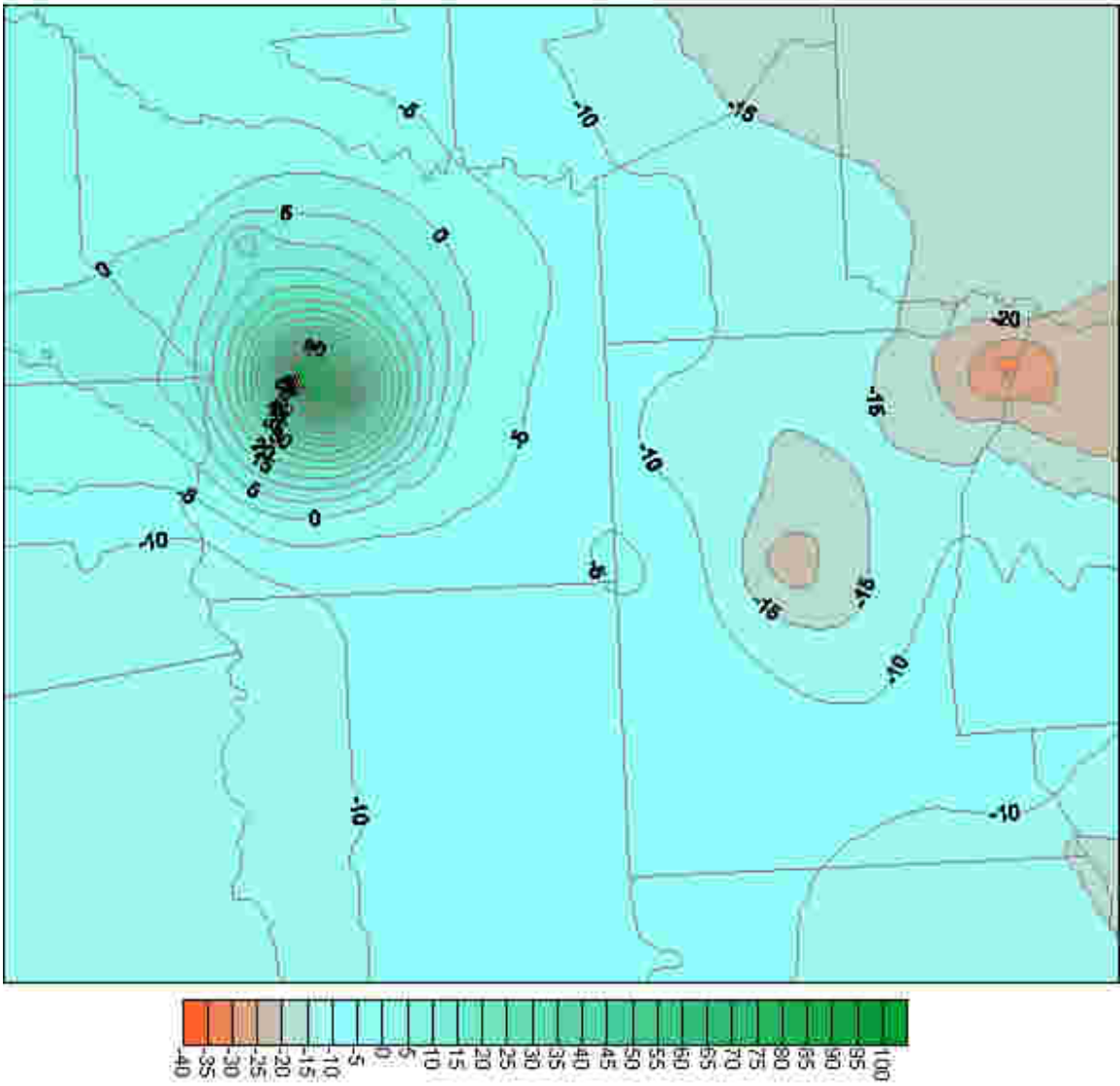
Water level difference map for 2020 (1999-2020), Layer 3, Carrizo Sand



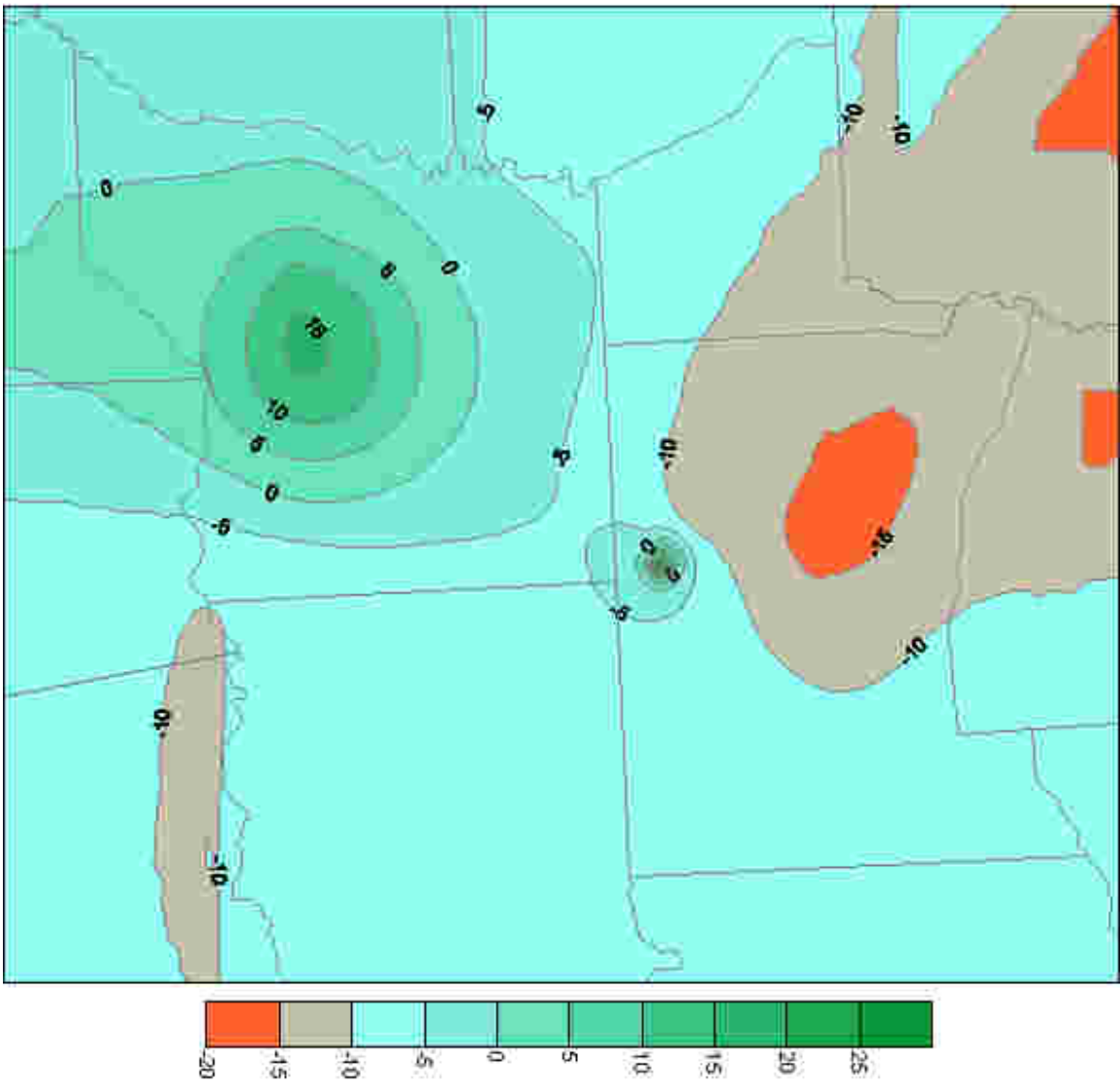
Water level difference map for 2020 (1999-2020), layer 4, Upper Wilcox



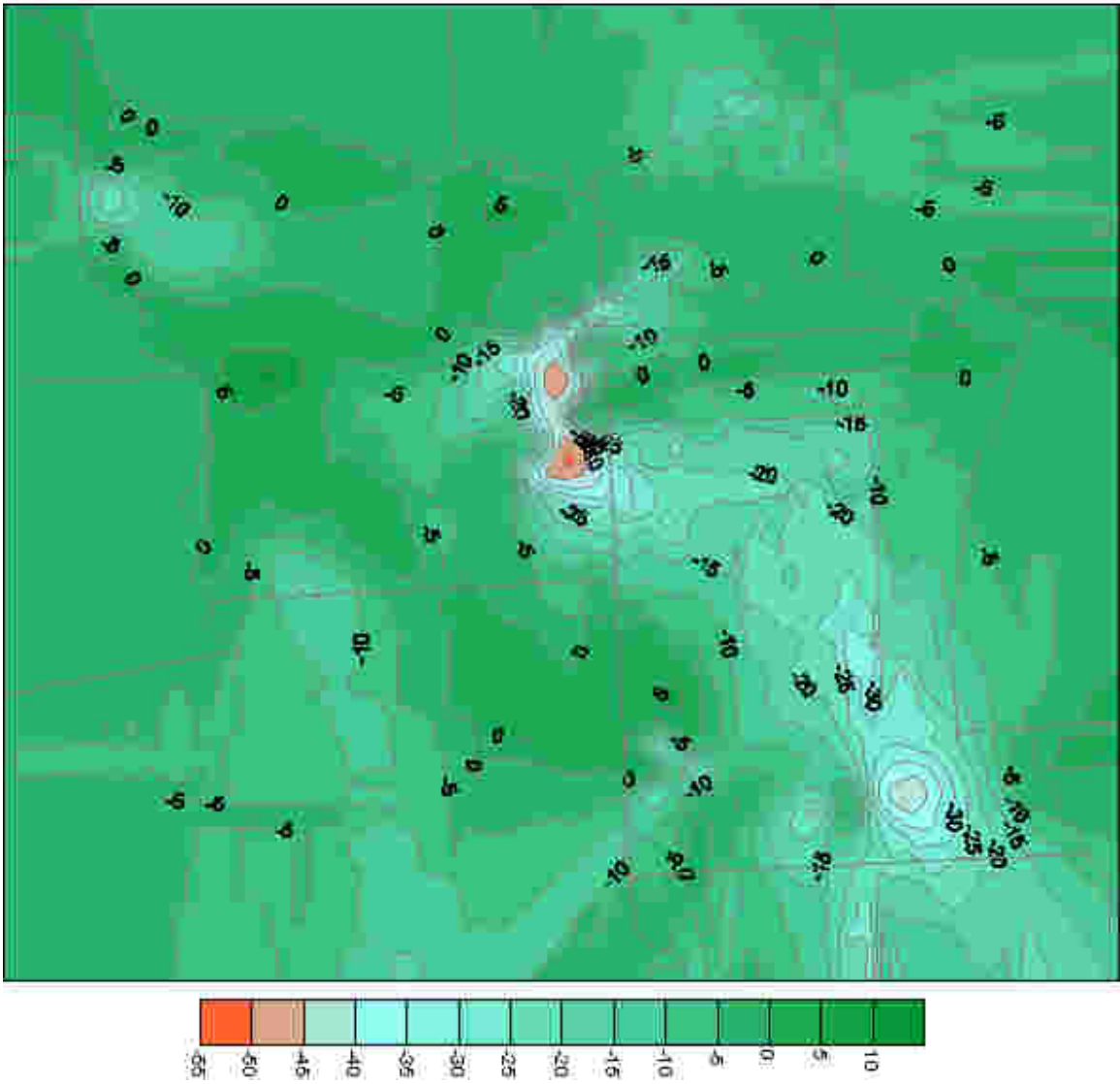
Water level difference map for 2020 (1999-2020), Layer 5, Middle Wilcox



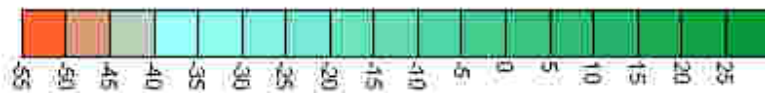
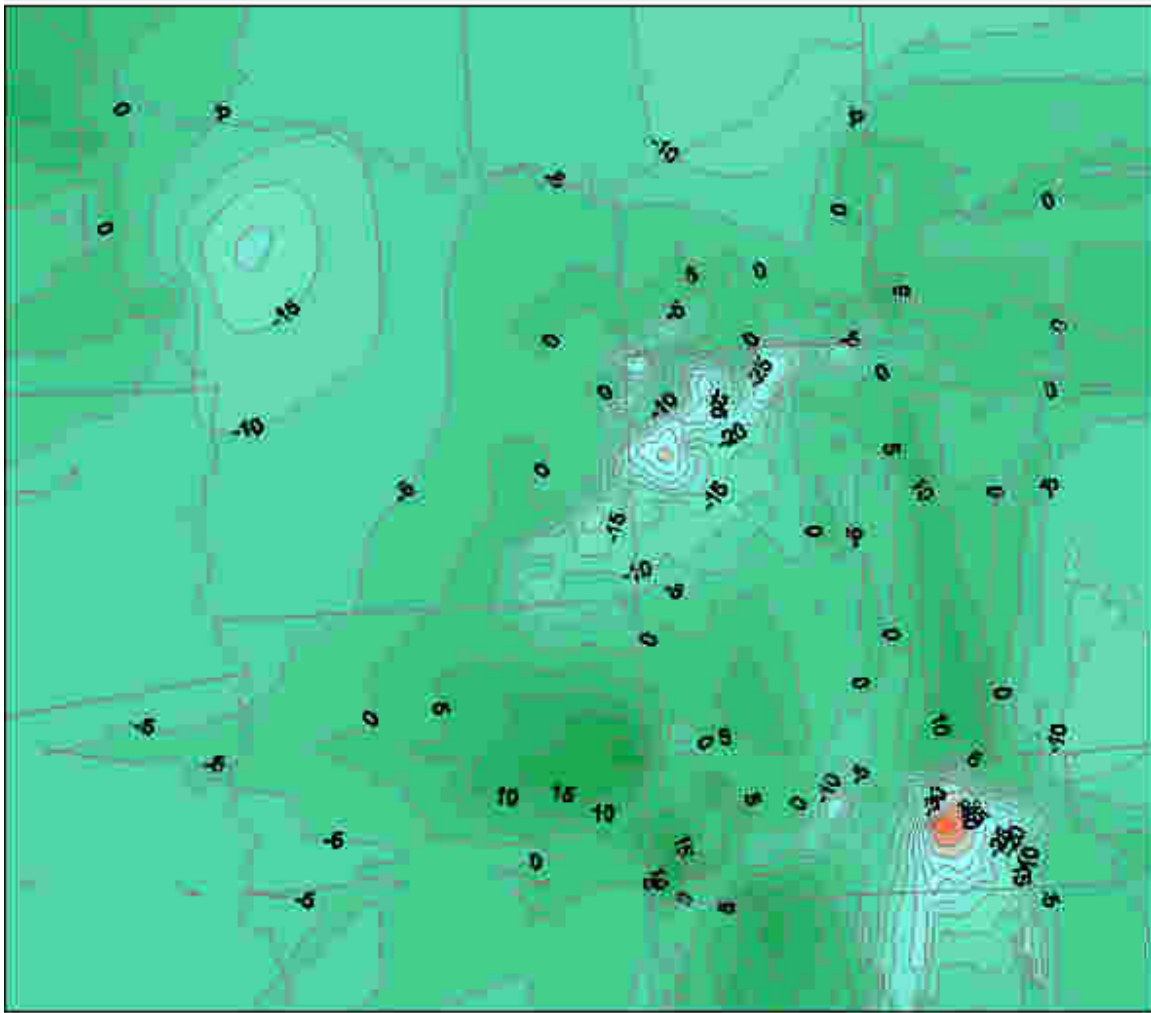
Water level difference map for 2020 (1999-2020), Layer 6, Lower Wilcox



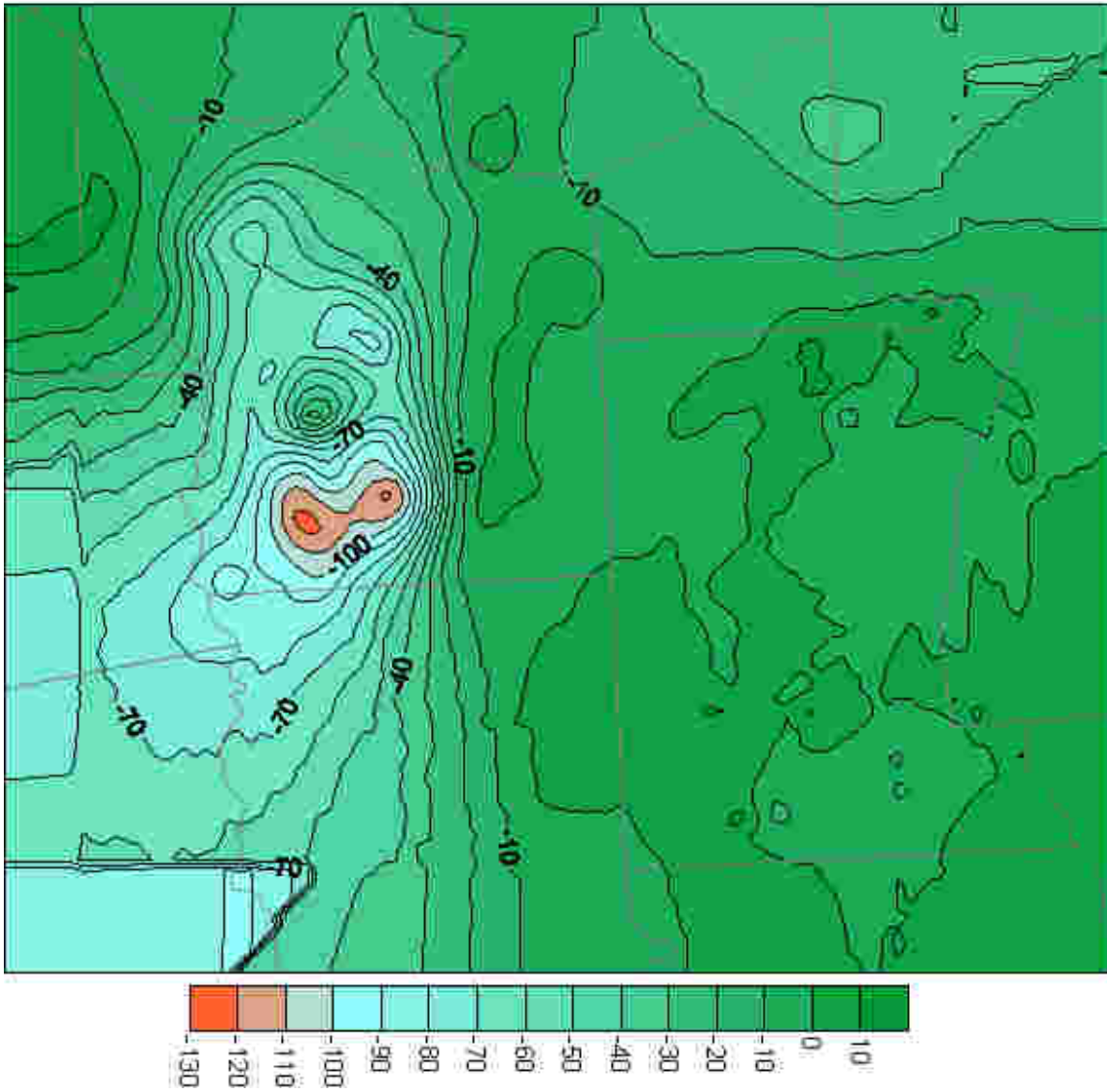
Water level difference map for 2030 (1999-2030), Layer 1, Queen City



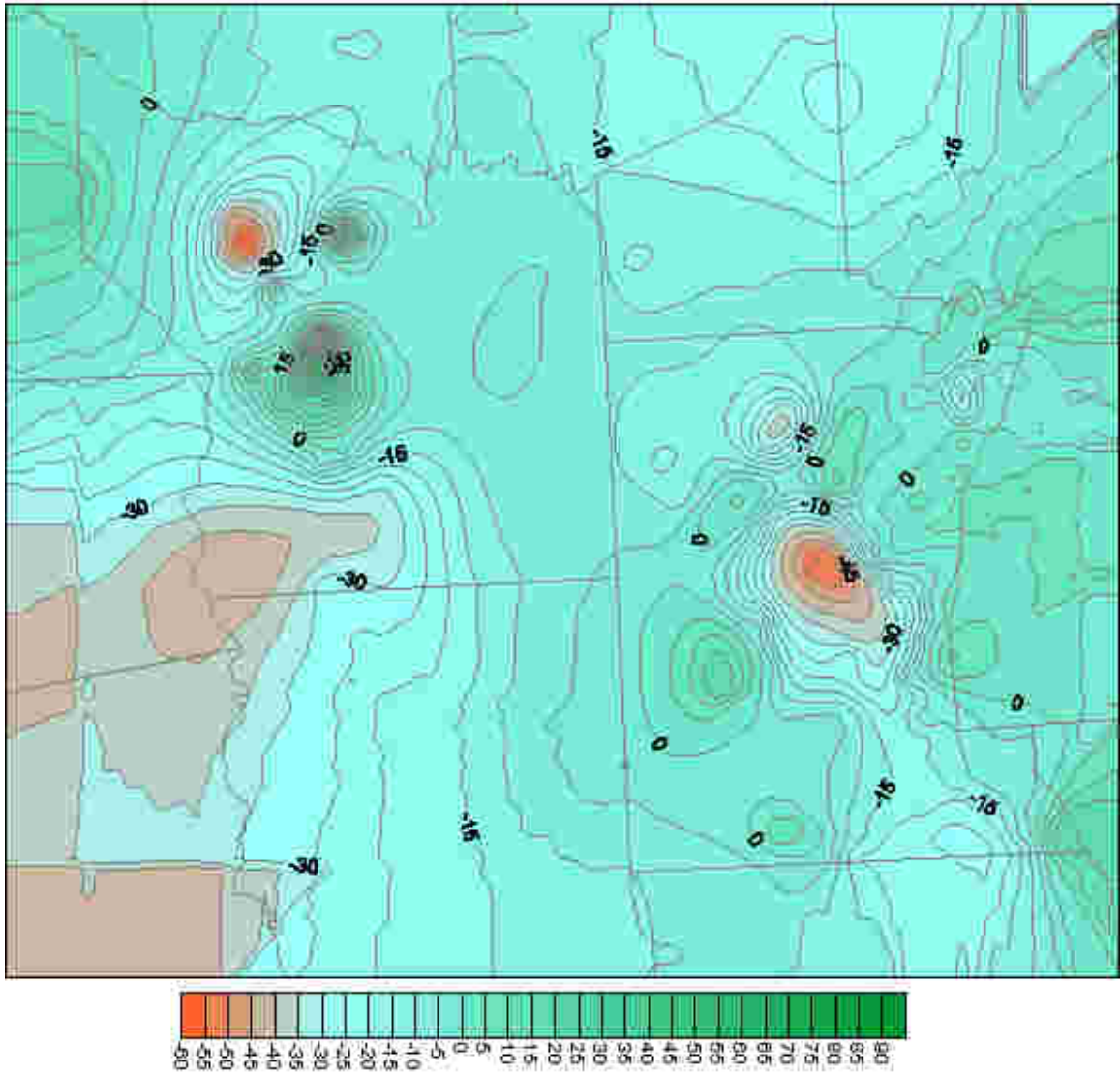
Water level difference map for 2030 (1999-2030), Layer 2, Recklaw



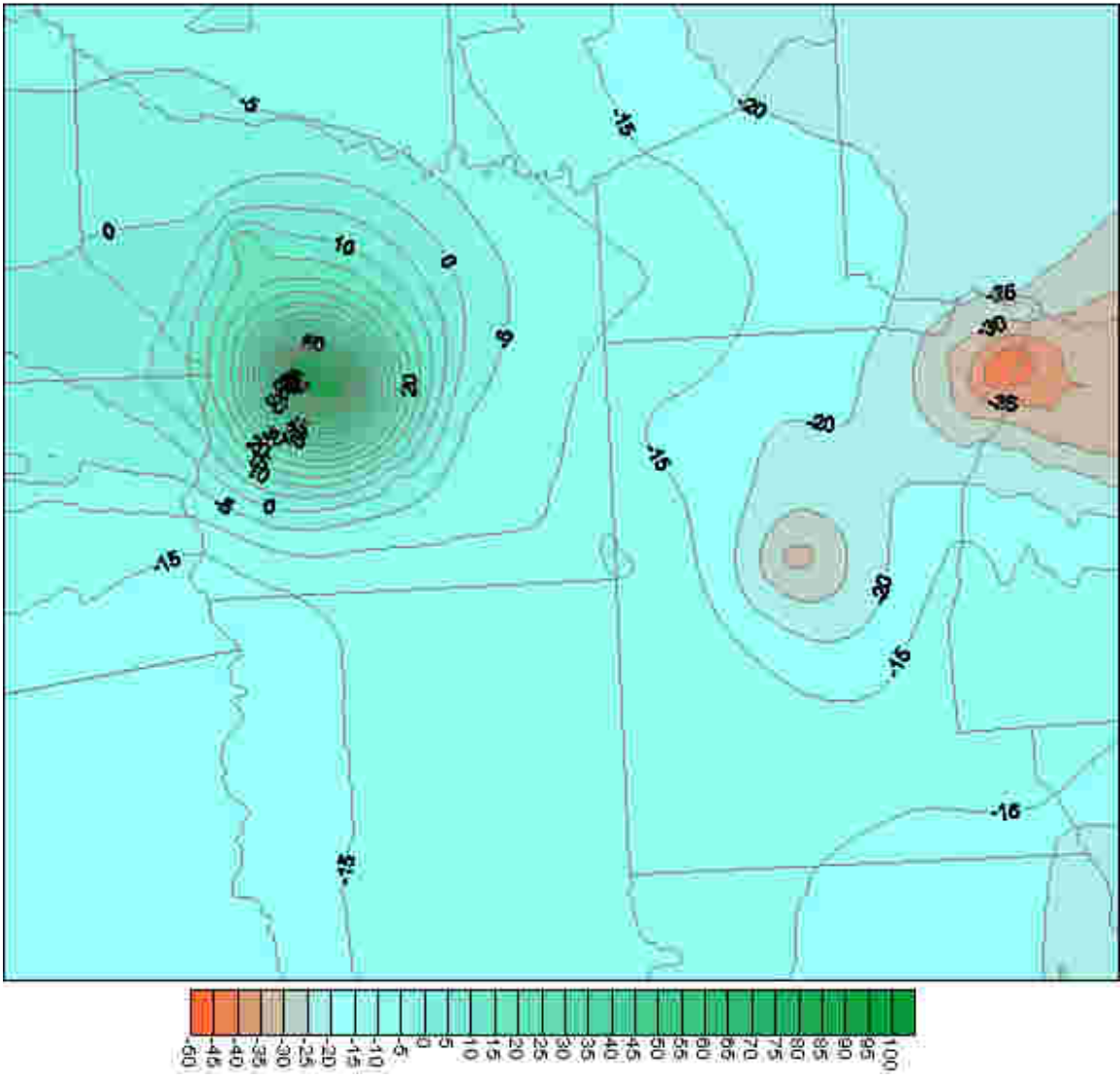
Water level difference map for 2030 (1999-2030), Layer 3, Carrizo Sand



Water level difference map for 2030, (1999-2030), Layer 4, Upper Wicox



Water level difference map for 2030, (1999-2030), Layer 5, Middle Wilcox



Water level difference map for 2030 (1999-2030), Layer 6, Lower Willcox

