

Support Services for the
WATER FUNDING TASK FORCE

August 9, 2013



Basin Planning Tool Response



Input from TF Members

Location 1 – Republican and Blue River Basins – Franklin and Holdrege:

General Questions/Comments:

- ✓ In all cases we need information on the task force charges:
 - Water quality, sustainability, state compacts, water supply shortages, funding and research needs, etc.
- ✓ We need to hear about infrastructure needs.
- ✓ Present water balance, what are the requirements from municipal, industrial, agricultural, compacts and required programs.
- ✓ How many dollars are needed based on local input, flood control and/or retention recharge.
- ✓ Understanding of basin wide issues from upper to lower.

- Water Quality Plan, restore, protect, enhance for the future.
- Wildlife, fish, habitat and endangered species needs, enhancement.

Input from TF Members

Issues related to the Compact with Kansas:

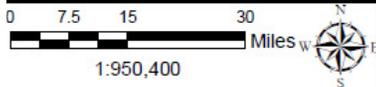
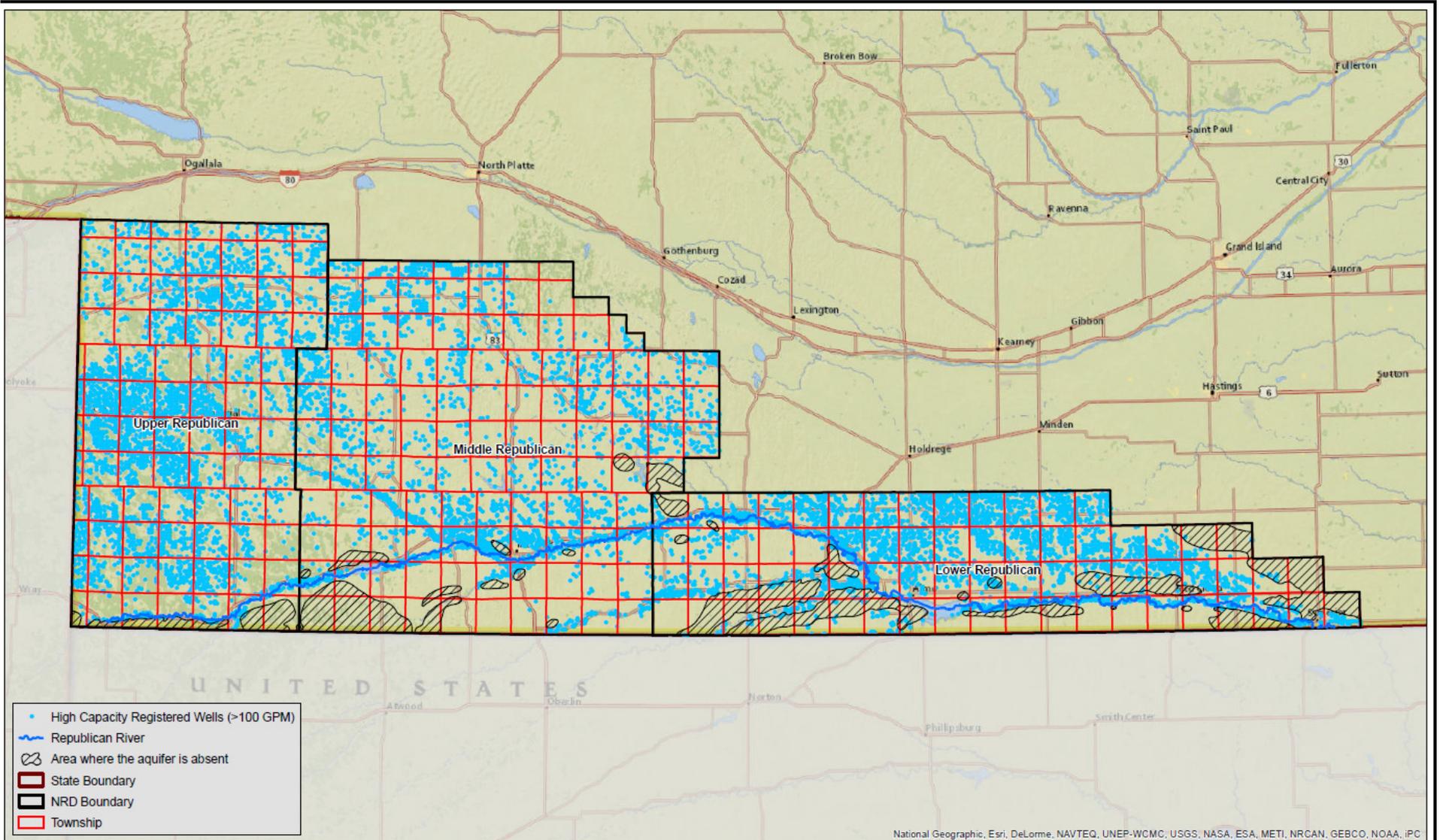
- Demands of Blue and Republican River Compact
- Status of compliance with the Kansas compact.
- Lessons learned about how Nebraska releases to Kansas were depleted.
- The influence of the Kansas issues and inefficiencies due to politics.

Input from TF Members

Surface Water and Groundwater

- ✓ Groundwater – supply and location.
- ✓ Trend the number of wells and groundwater irrigation in the basin over the last 40 years or so.
- Understanding of aquifer systems and the relationship with surface water throughout the system/basin.

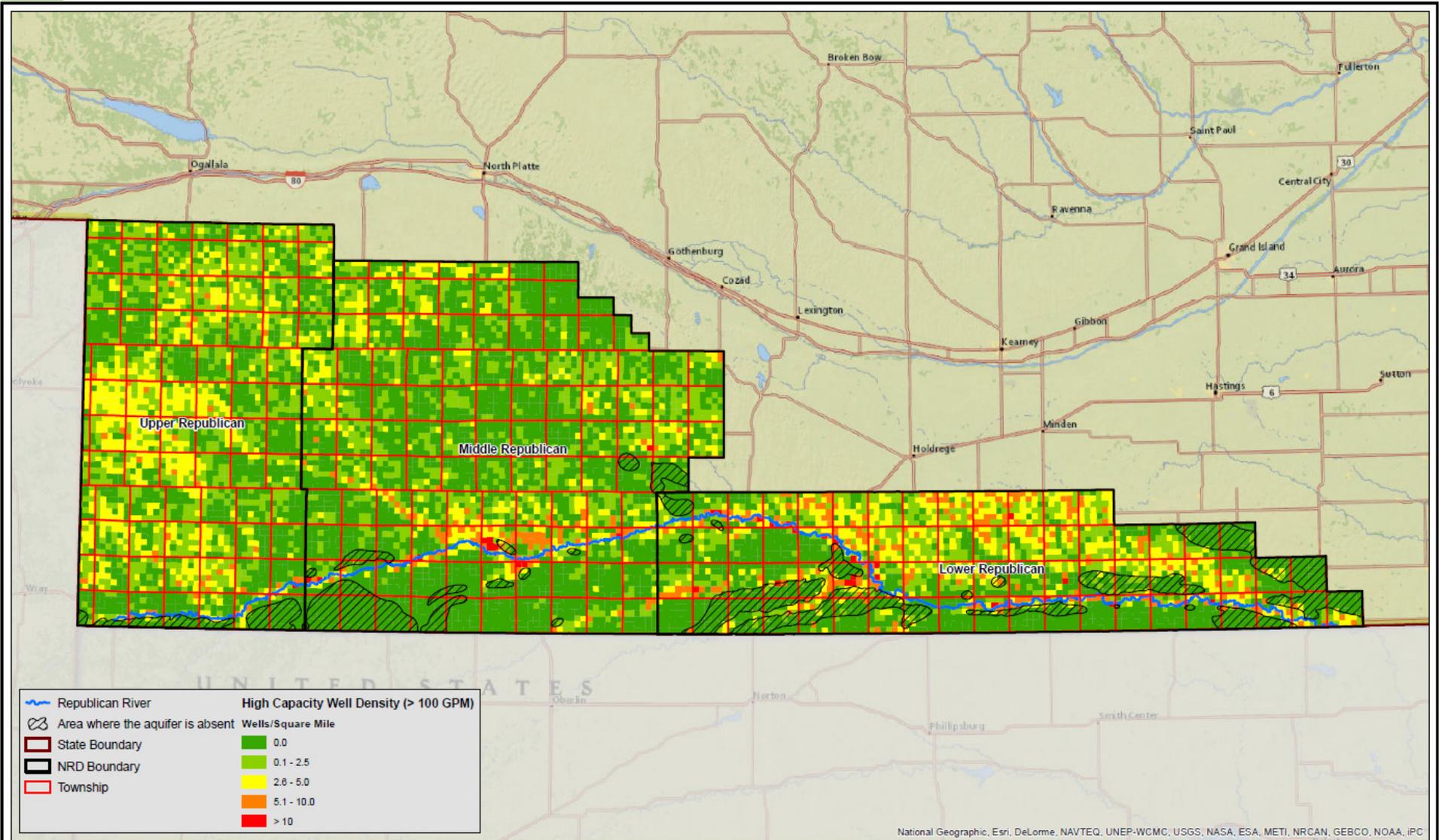
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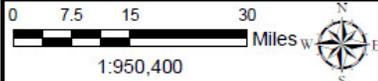
High Capacity Registered Wells
Republican River Natural Resources Districts
Prepared for the Water Funding Task Force



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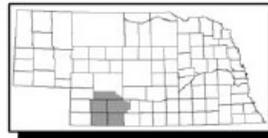
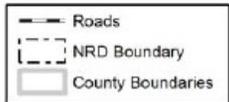
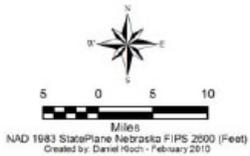
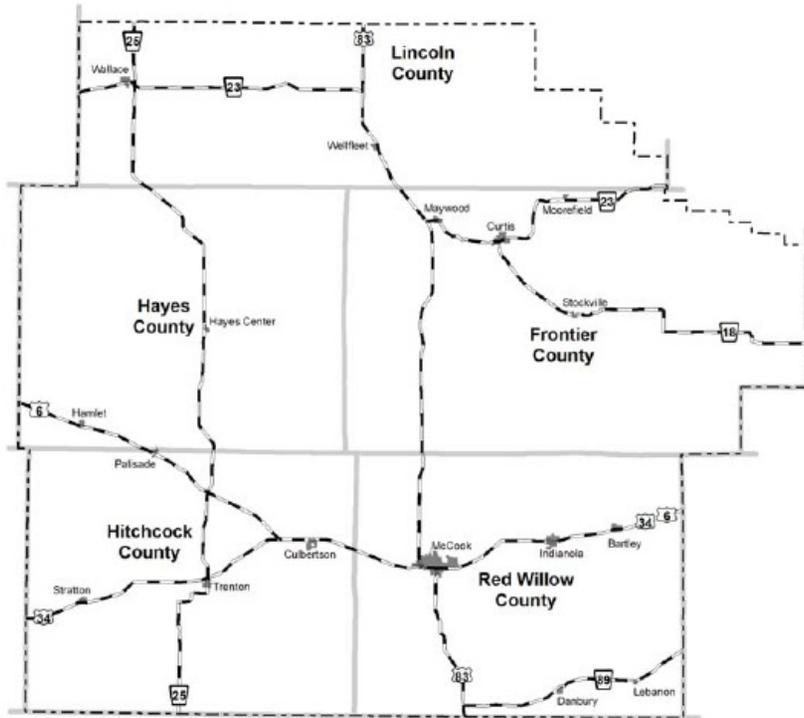
National Geographic, Esri, DeLorme, NAVTEQ, UNEP-WCMC, USGS, NASA, ESA, METI, NRCAN, GEBCO, NOAA, IPC



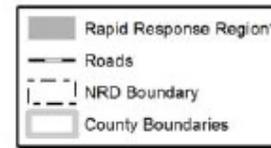
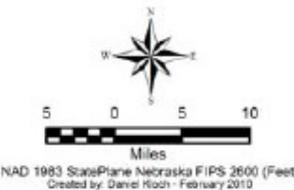
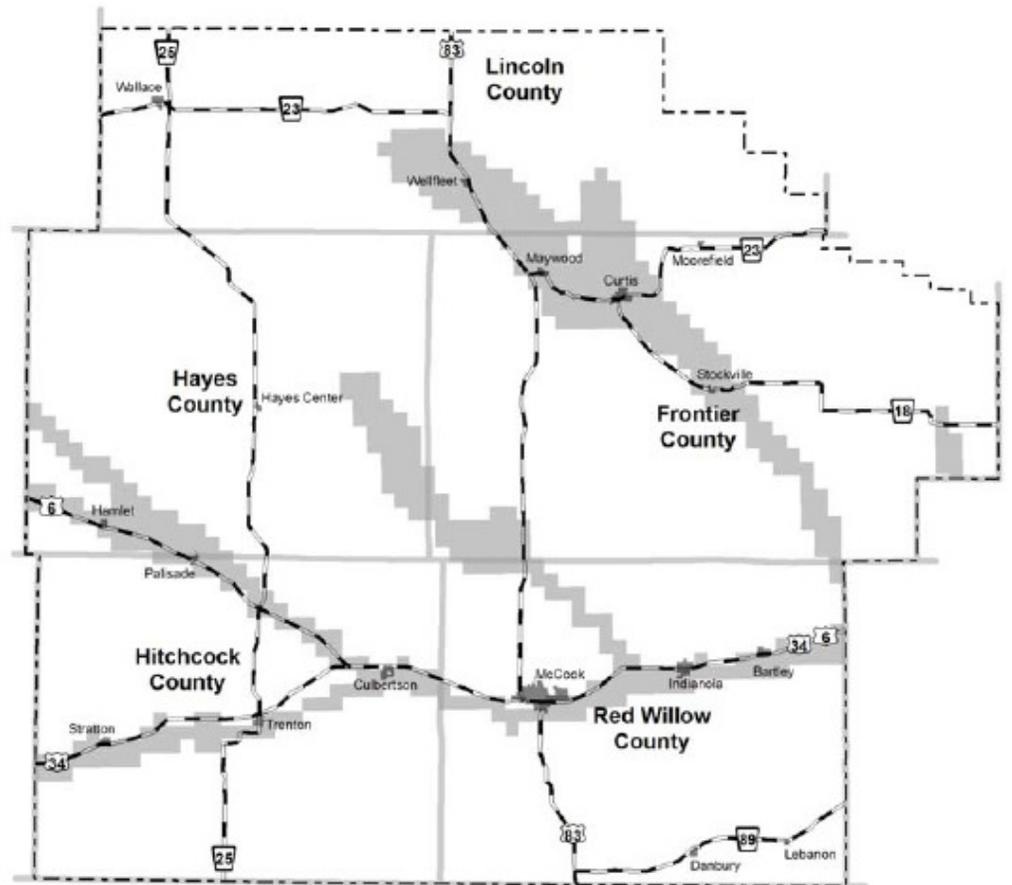
High Capacity Well Density
Republican River Natural Resources Districts
Prepared for the Water Funding Task Force



Map 1
**MIDDLE REPUBLICAN
 NATURAL RESOURCES DISTRICT**



Map 2
**MIDDLE REPUBLICAN
 NATURAL RESOURCES DISTRICT
 RAPID RESPONSE REGION**



* A detailed map and legal descriptions of affecter parcels within the Rapid Response Region is available at the Middle Republican NRD office.

Input from TF Members

Surface Water and Groundwater

- ✓ Groundwater – supply and location.
- ✓ Trend the number of wells and groundwater irrigation in the basin over the last 40 years or so.
- Understanding of aquifer systems and the relationship with surface water throughout the system/basin.
- Hydrology divides vs surface water divide.
- Reduce water use in areas of over use, not just re-timing remaining river flows
- Research and develop storage of water, transferring to areas of need – endless reservoir system