



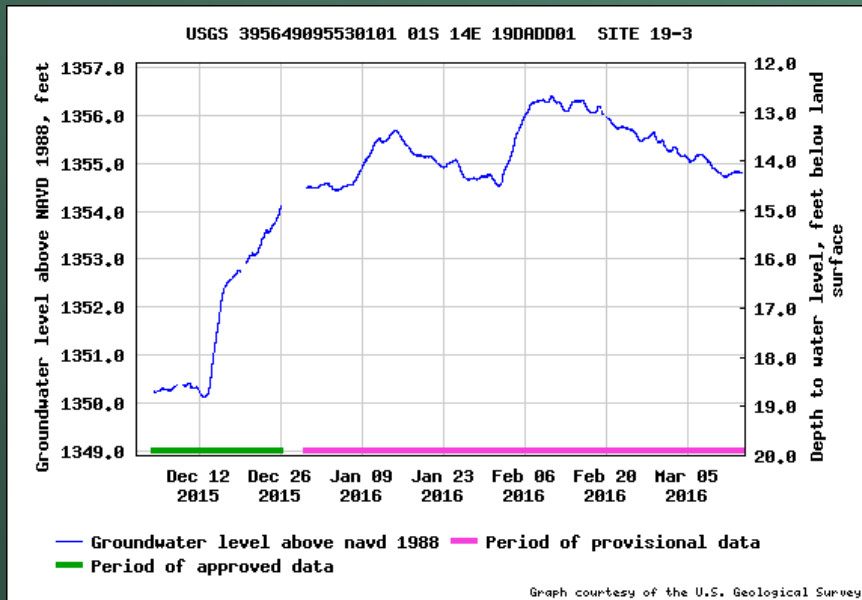
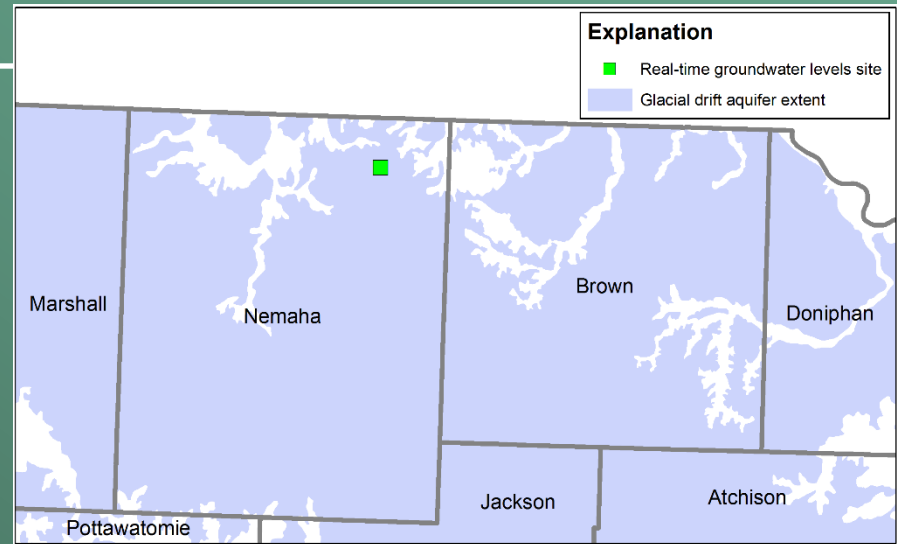
USGS Data in the Glacial Drift Aquifer in Northeast Kansas

Prepared for the Missouri Regional Advisory Committee
March 17, 2016

Brian Klager, USGS Kansas Water Science Center

Current data collection – groundwater levels

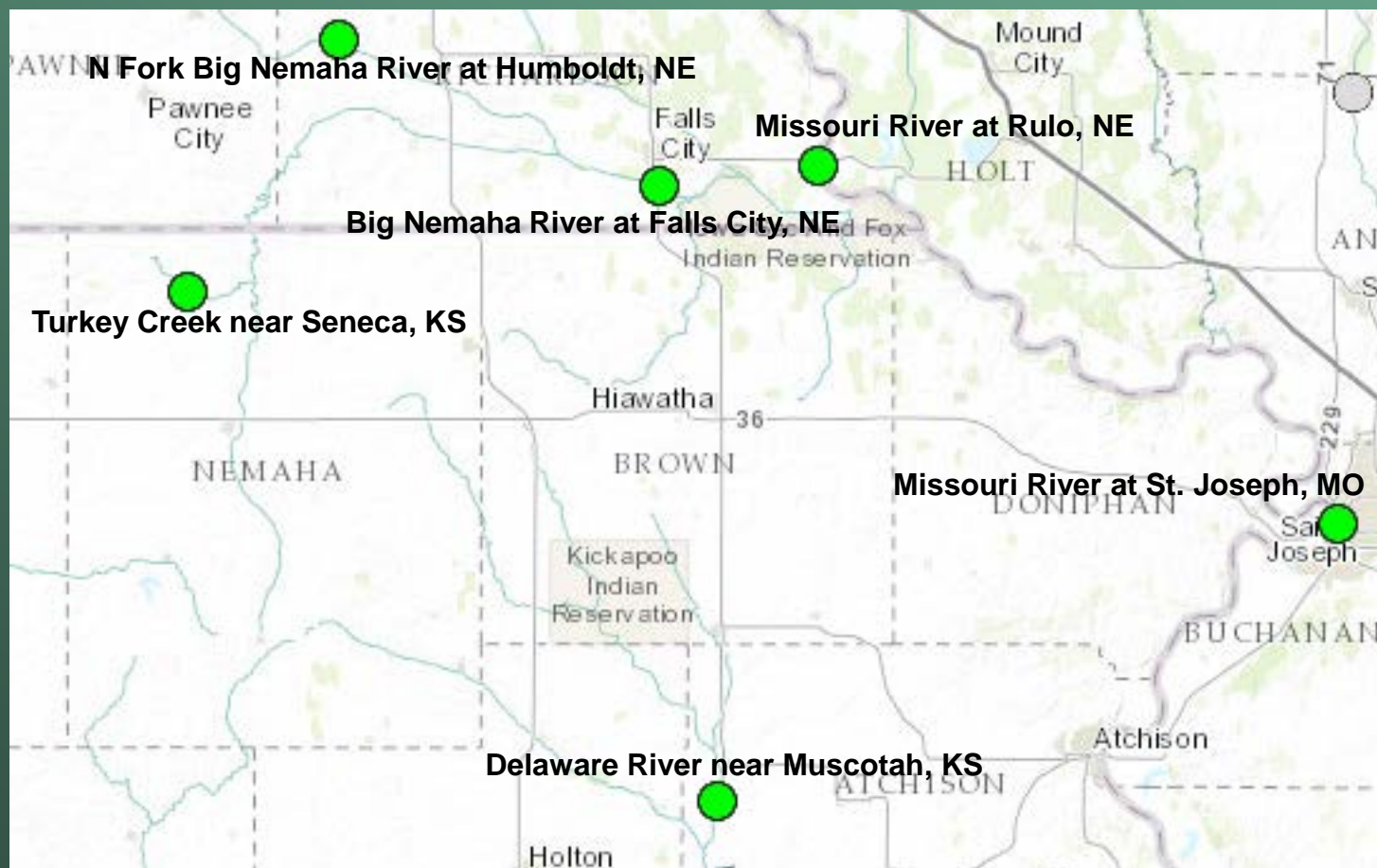
- One well in NE Nemaha recording and transmitting levels. Began in December 2015.



- Data is made publically available online in near-real-time.

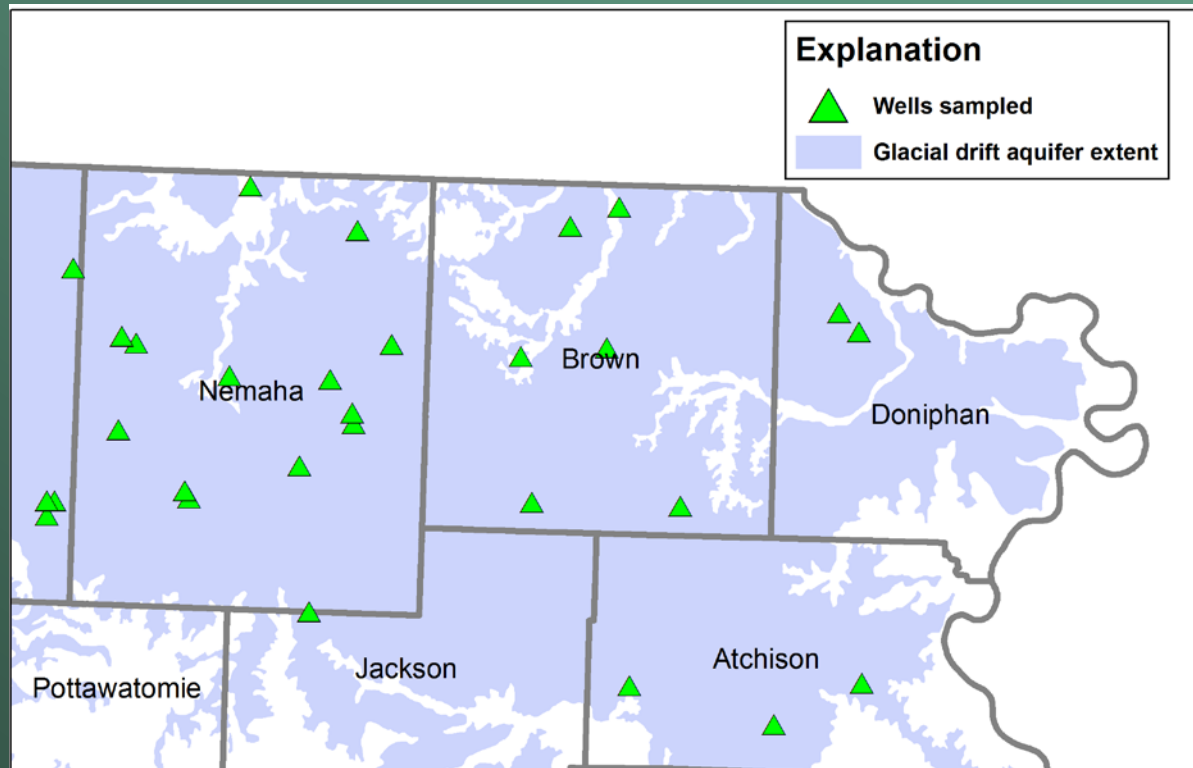
http://waterdata.usgs.gov/ks/nwis/uv?site_no=395649095530101

Current data collection - streamgages

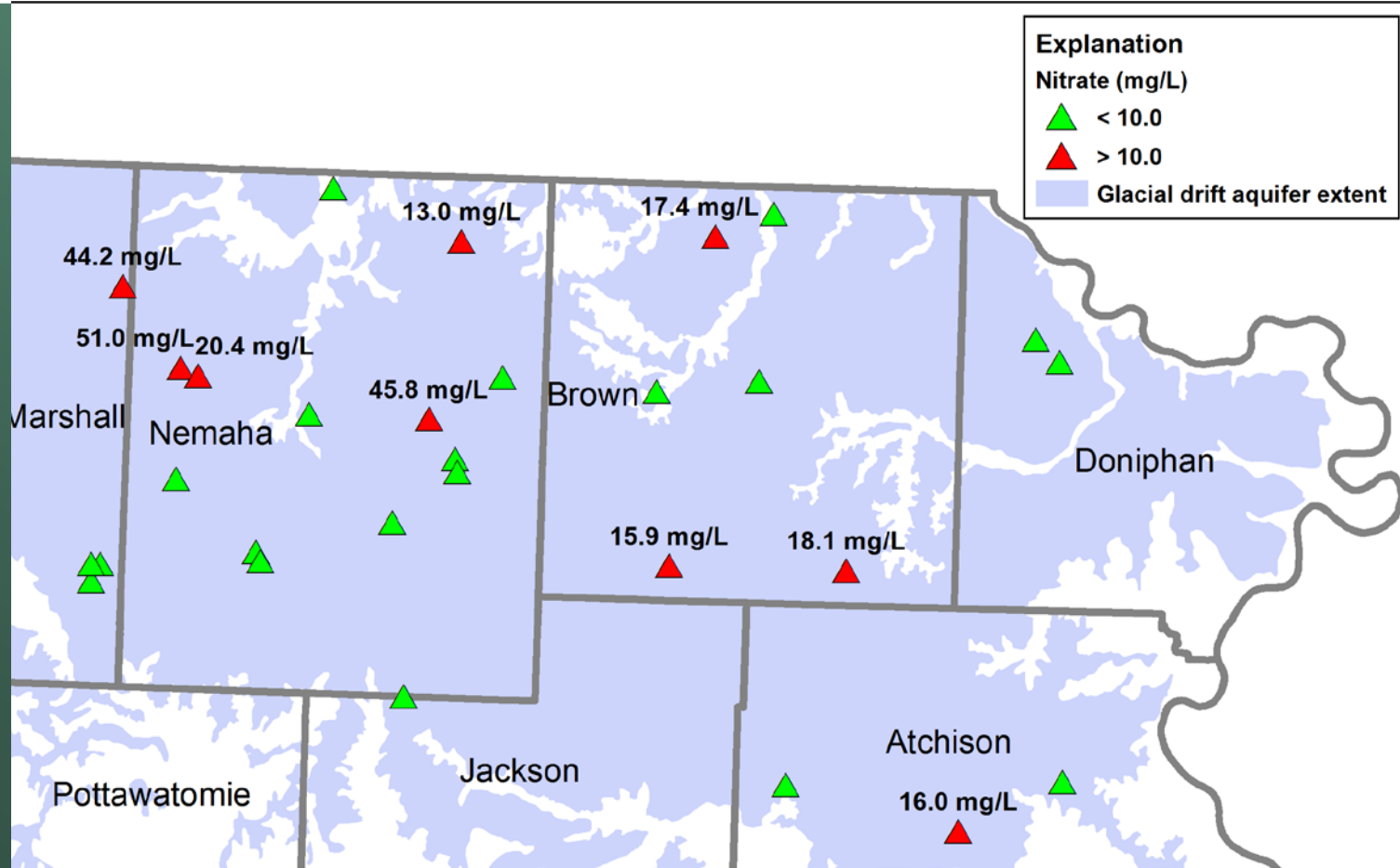


July/August 2011 water quality sampling

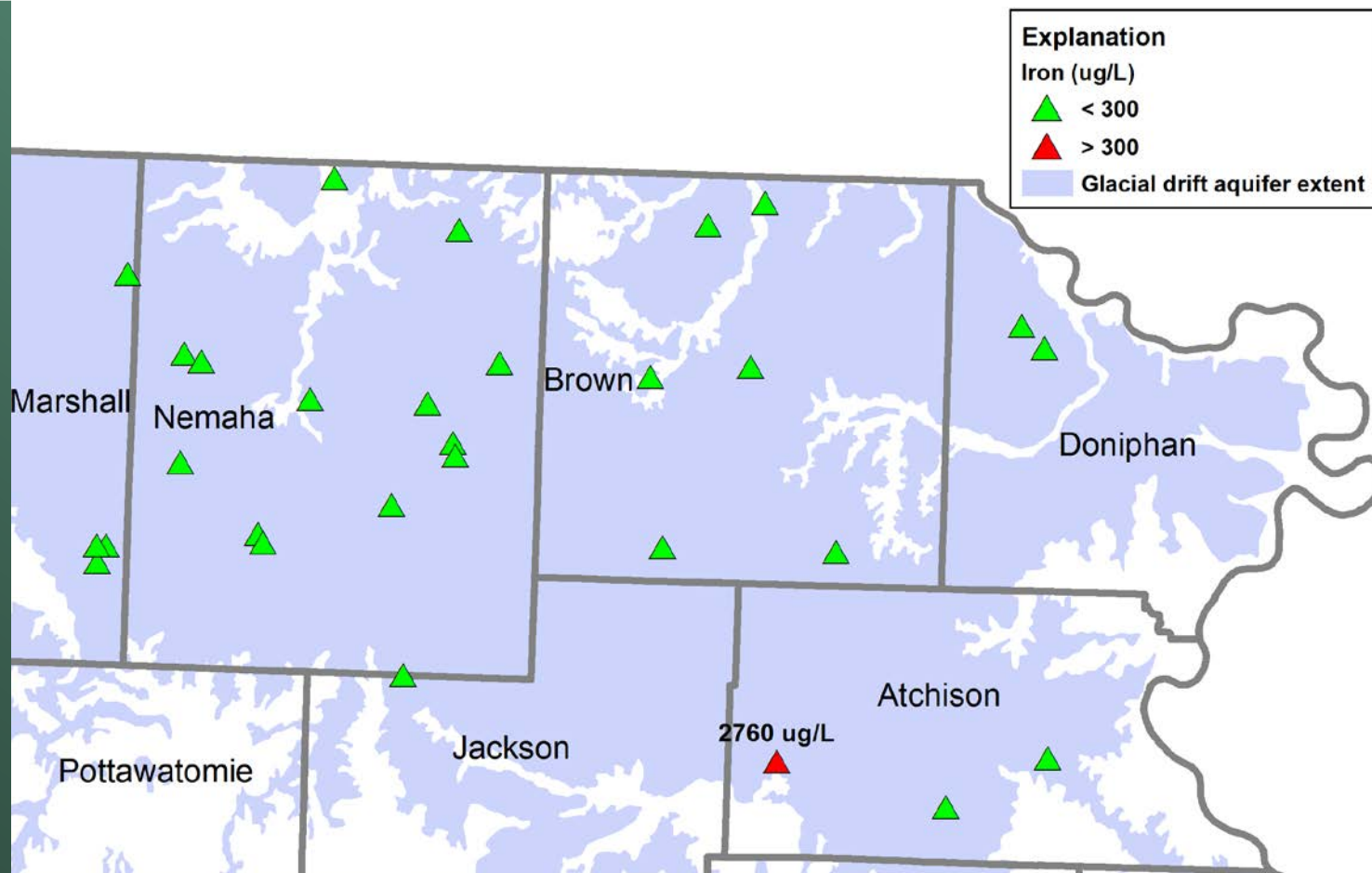
Samples from 29 wells were analyzed for 100+ constituents. Collected as part of USGS National Water Quality Assessment Program.



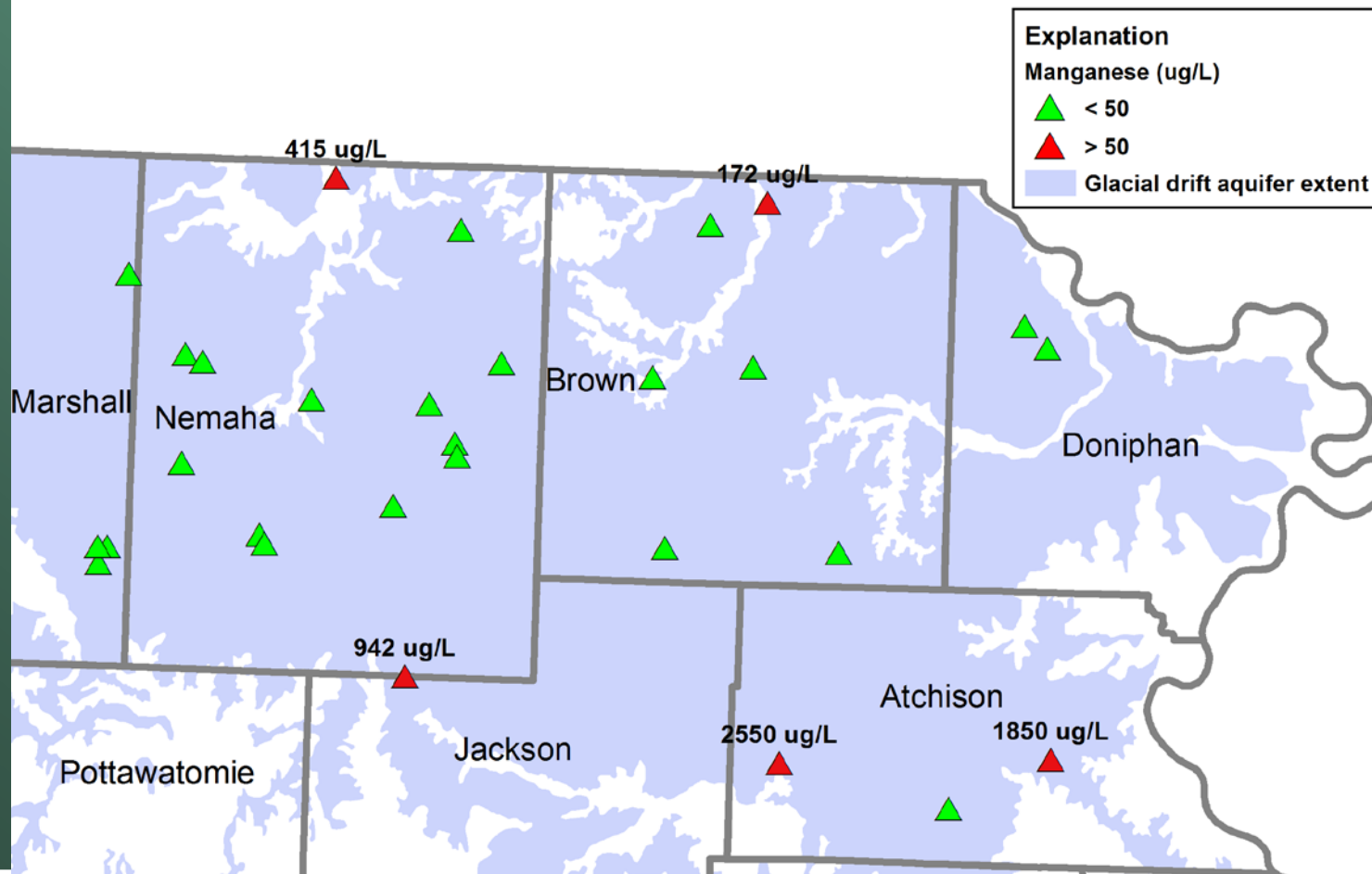
July/August 2011 water quality sampling - Nitrate



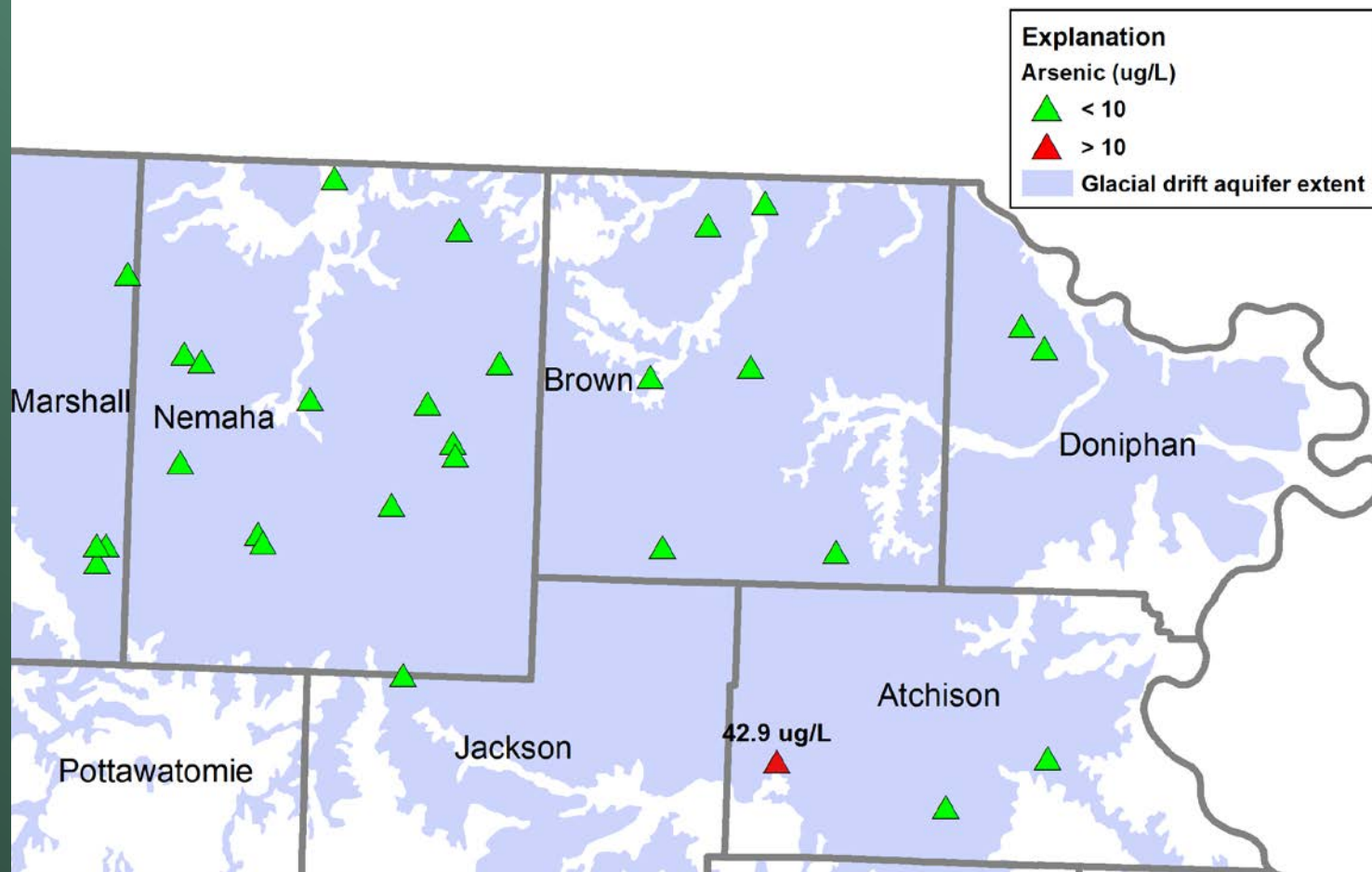
July/August 2011 water quality sampling - Iron



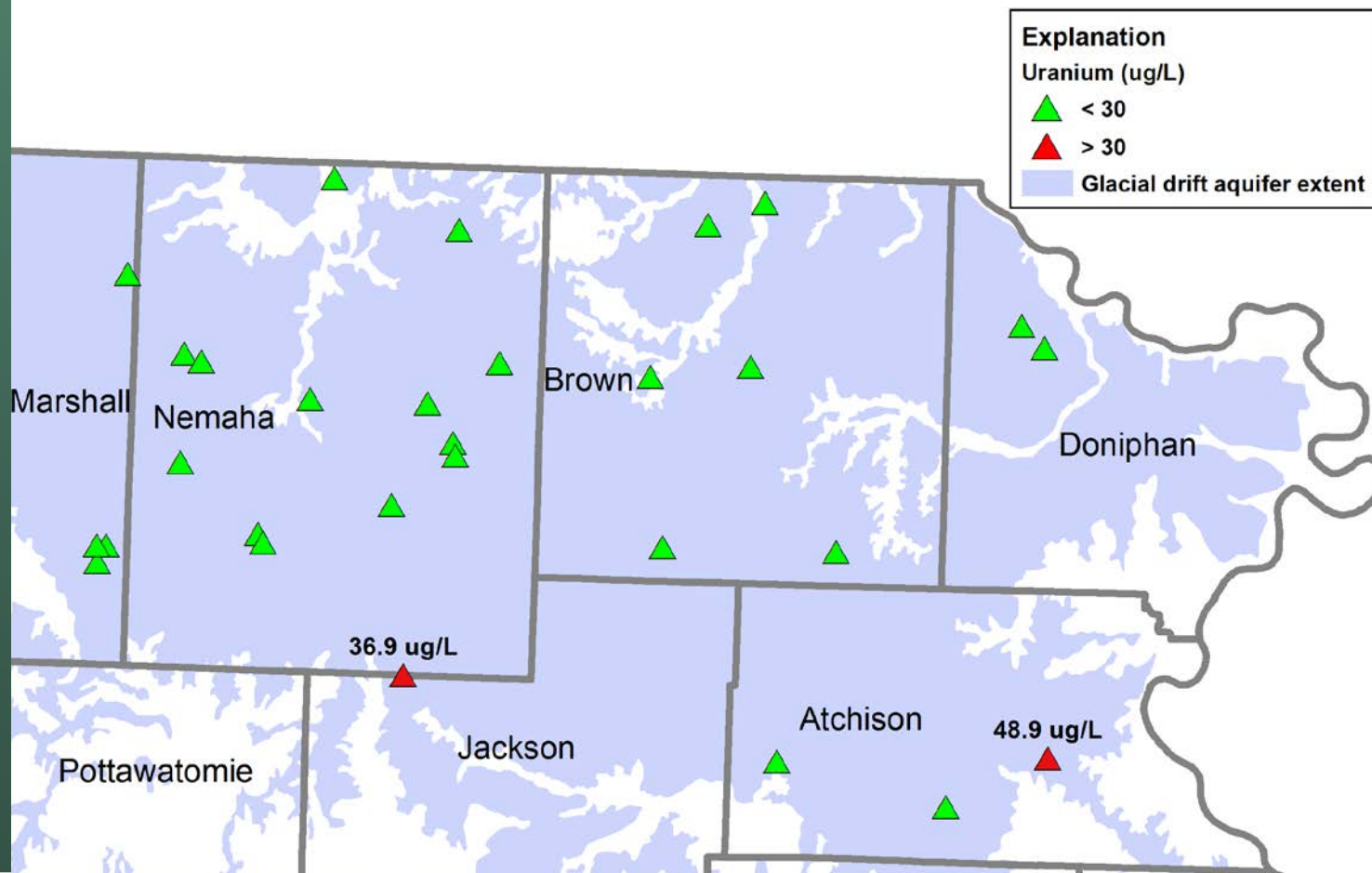
July/August 2011 water quality sampling - Manganese



July/August 2011 water quality sampling - Arsenic



July/August 2011 water quality sampling - Uranium



July/August 2011 water quality sampling

This dataset might be helpful for design of a study to establish baseline water quality, a goal of this planning region.

Nearby studies

- Schmidt, H.C.R., Mehl, H.E., and Pope, L.M., 2007, Water quality on the Prairie Band Potawatomi Reservation, northeastern Kansas, June 1996 through August 2006: U.S. Geological Survey Scientific Investigations Report 2007–5201, 75 p. <http://pubs.usgs.gov/sir/2007/5201/pdf/sir20075201.pdf>
- Kelly, B.P., 2004, Simulation of ground-water flow, contributing recharge areas, and ground-water travel time in the Missouri River alluvial aquifer near Ft. Leavenworth, Kansas: U.S. Geological Survey Scientific Investigations Report 2004– 5215, 70 p. <http://pubs.usgs.gov/sir/2004/5215/pdf/complete.pdf>

USGS site numbers from 2011 water quality sampling

395727095363101
394003096154401
394754096023301
394056096054201
394054095385301
394239095565501
394555095525901
394426096110101
394752095544501
393911096161601
394937095400301
395841095324601
394003096162001
395001096105901
395359096145601
393358095554801
395004095500401
395016095332501
395137095135601
394939096095101
392802095194301
395915096012701
395649095530101
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395244095153001
393038095130201
394056095272401
394030096052201
393007095305701

<http://waterdata.usgs.gov/nwis>

<http://waterqualitydata.us/>

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