

2019 SUMMER SAMPLING



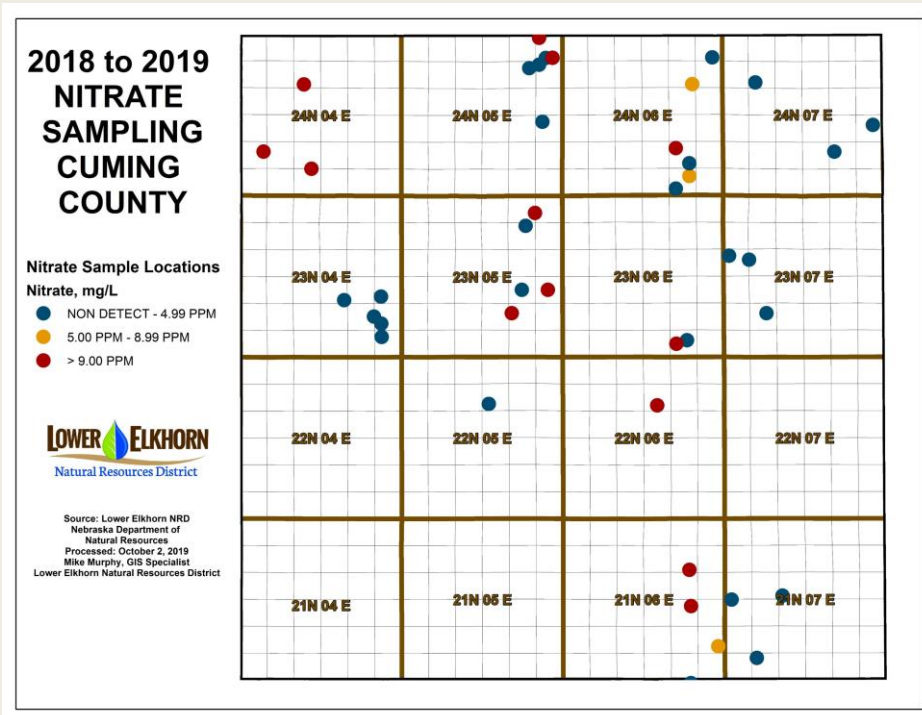


- CUMING, COLFAX, AND DODGE COUNTIES WERE INCLUDED IN THE STUDY AREA
- THIS AREA WAS CHOSEN DUE TO THE LACK OF DATA COLLECTED IN THE PAST
- 102 WELLS WERE SAMPLED IN 2019 BY MIKE MURPHY, AND THE SUMMER INTERNS. 50 WELLS WERE SAMPLED IN 2018 BY STAFF
- ADDITIONAL SITES WERE VISITED, BUT UNABLE TO OBTAIN SAMPLES DUE TO LACK OF FAUCETS OR SUFFICIENT LEAKS

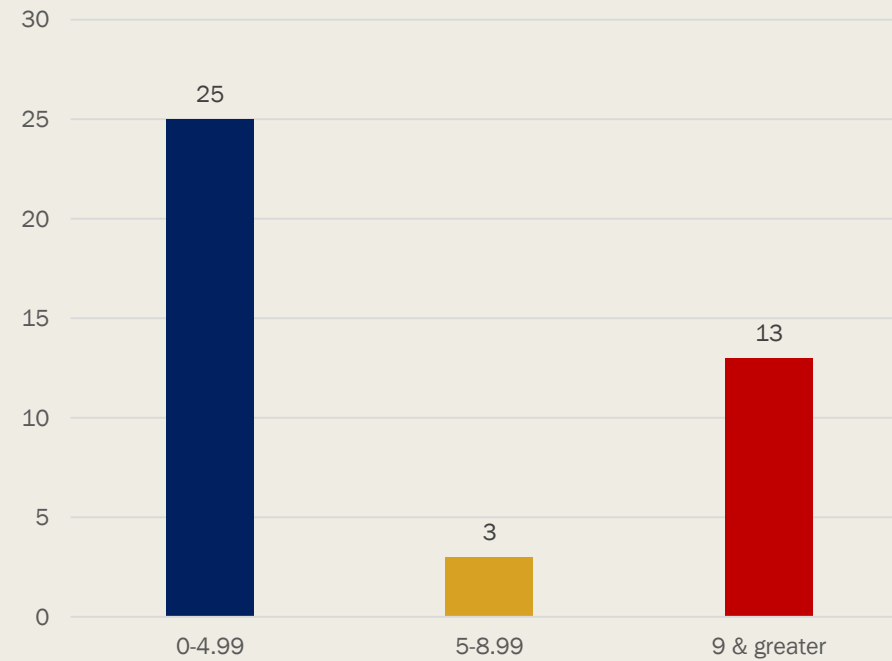


CUMING COUNTY

2018/2019 SAMPLES



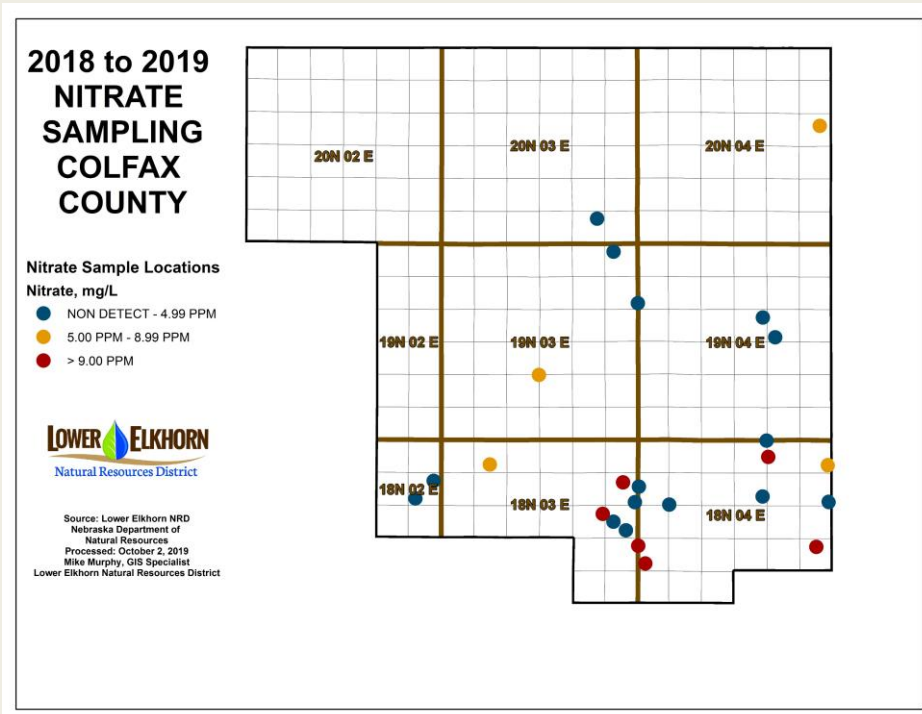
Cuming County



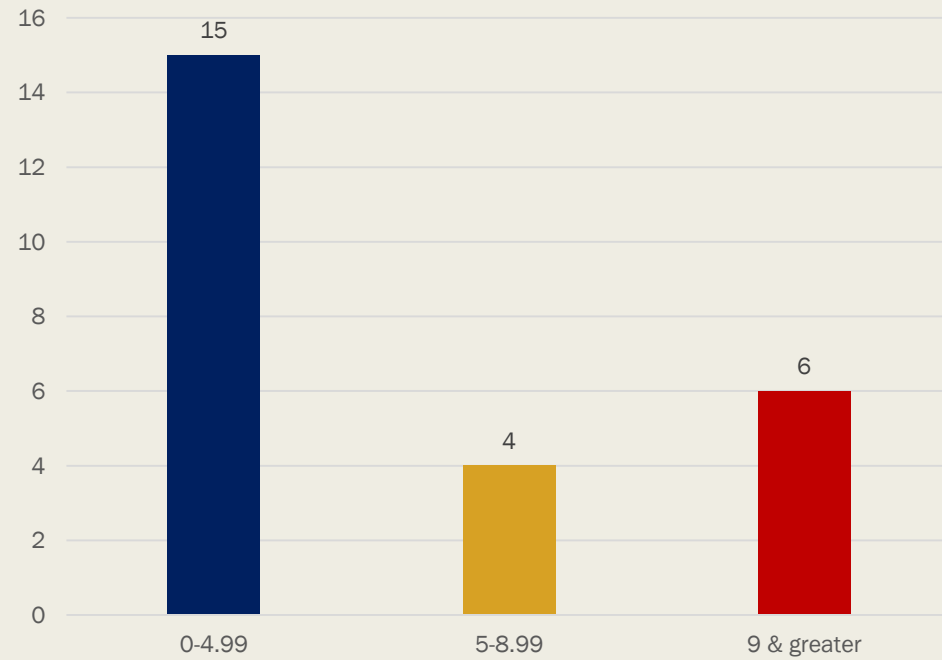


COLFAX COUNTY

2018/2019 SAMPLES



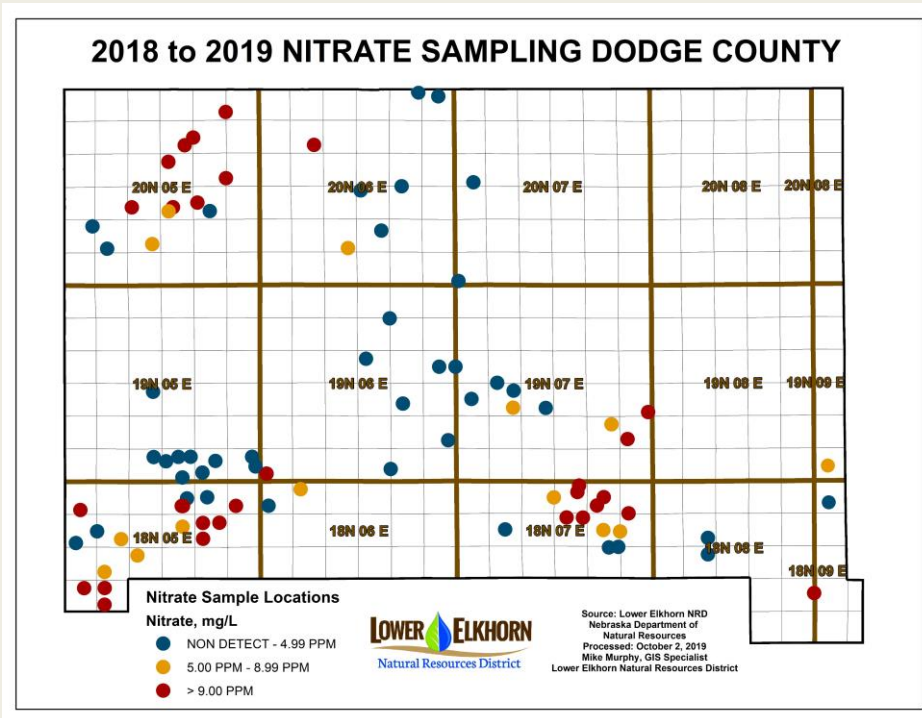
Colfax County



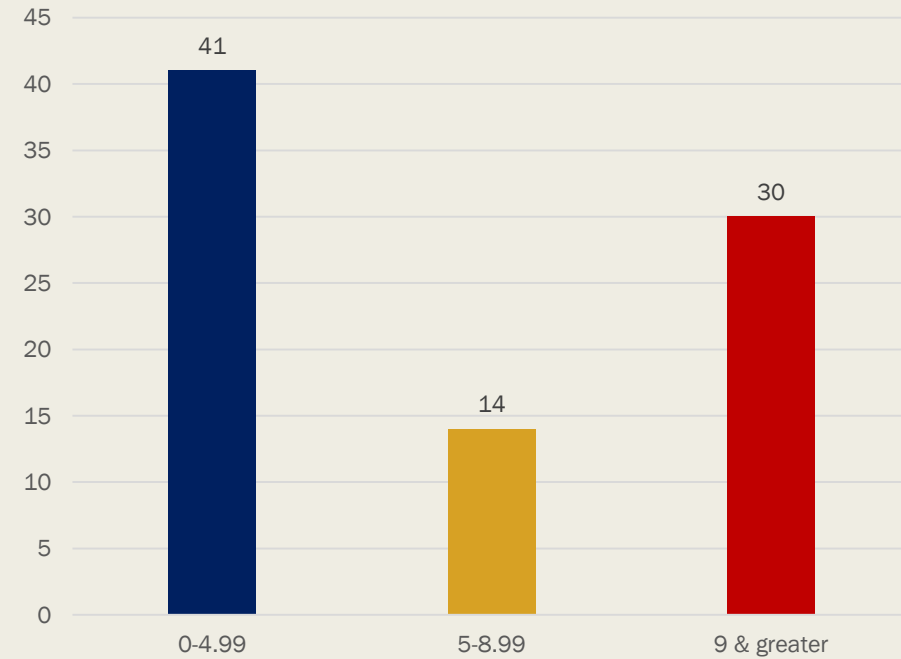


DODGE COUNTY

2018/2019 SAMPLES



Dodge County



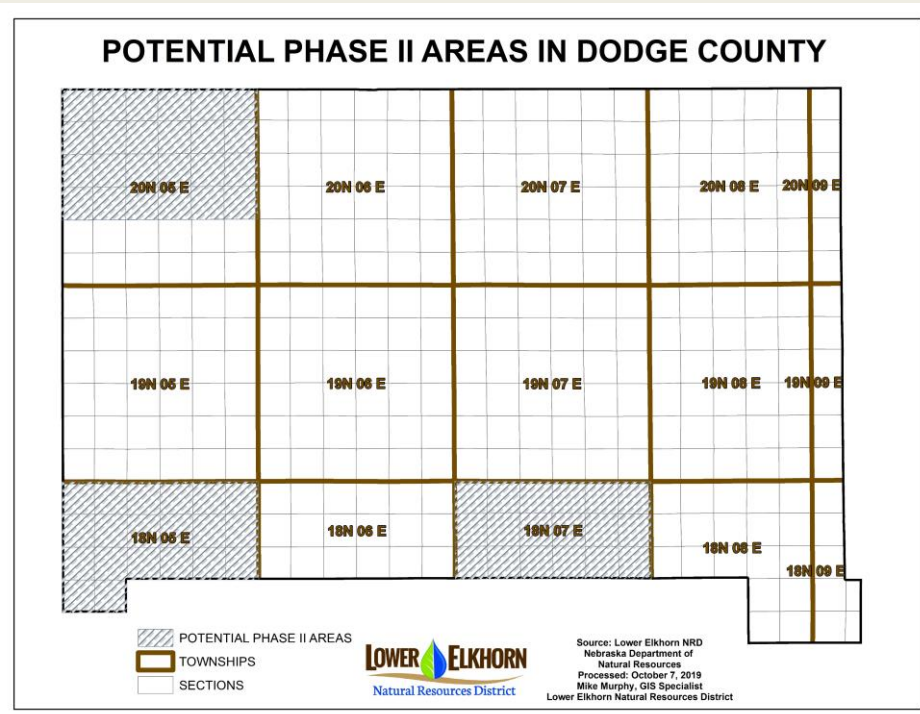


PHASE AREA DEFINITIONS

- Phase 1: All areas that are not Phase 2, 3, or 4. The entire district is Phase 1
- Phase 2: 20% of wells are 5ppm or greater
- Phase 3: 50% of wells are 9ppm or greater. Also must have been in Phase 2 for a minimum of 5 years
- Phase 4: Areas have been Phase 3 for 5 years and Nitrate levels haven't declined
- PHASE AREAS MUST BE A MINIMUM OF 9 SQUARE MILES



POTENTIAL PHASE 2 AREAS



- 20N 5E Sections 1-24: Dodge/Snyder area & south
 - 10 samples: 4.1 – 32.8 ppm
 - 9 wells > 5 ppm
 - 38 active wells = 23.6%
- Township 18 7E: Southwest of Hooper
 - 14 samples: 0 – 17.9 ppm
 - 11 wells > 5 ppm
 - 33 active wells = 33.3%
- Township 18 5E: North of N Bend, west of HWY 79
 - 18 samples: 0 – 15.1 ppm
 - 14 wells > 5 ppm
 - 64 active wells = 21.9%



- Samples ranged from non-detect to over 32ppm
- More sampling needs to take place in concentrated areas to gather more data for gaps in areas sampled

Questions or comments??