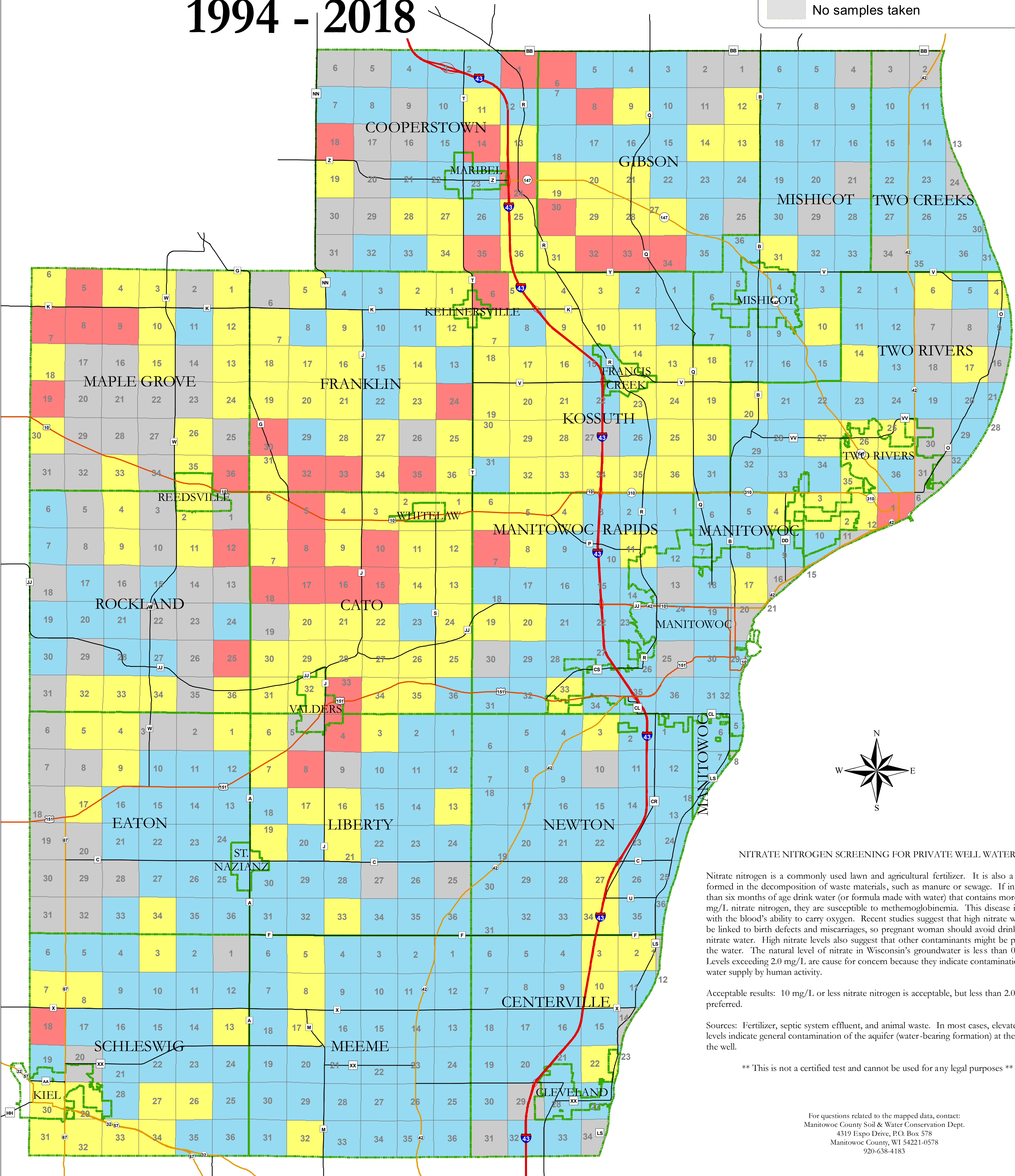


Manitowoc County Nitrate Screening Results 1994 - 2018

Nitrate Screening Results:

- ≥ 10 mg/L - Unsafe Zone
- 2.1 - 9.9 mg/L - Take Precaution Zone
- ≤ 2.0 mg/L - Safe Zone
- No samples taken



NITRATE NITROGEN SCREENING FOR PRIVATE WELL WATER

Nitrate nitrogen is a commonly used lawn and agricultural fertilizer. It is also a chemical formed in the decomposition of waste materials, such as manure or sewage. If infants less than six months of age drink water (or formula made with water) that contains more than 10 mg/L nitrate nitrogen, they are susceptible to methemoglobinemia. This disease interferes with the blood's ability to carry oxygen. Recent studies suggest that high nitrate water may be linked to birth defects and miscarriages, so pregnant women should avoid drinking high nitrate water. High nitrate levels also suggest that other contaminants might be present in the water. The natural level of nitrate in Wisconsin's groundwater is less than 0.2 mg/L. Levels exceeding 2.0 mg/L are cause for concern because they indicate contamination of the water supply by human activity.

Acceptable results: 10 mg/L or less nitrate nitrogen is acceptable, but less than 2.0 mg/L is preferred.

Sources: Fertilizer, septic system effluent, and animal waste. In most cases, elevated nitrate levels indicate general contamination of the aquifer (water-bearing formation) at the depth of the well.

**** This is not a certified test and cannot be used for any legal purposes ****

For questions related to the mapped data, contact:
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