



Pepin County LWRM Plan 2021-2030

Chase Cummings – County Conservationist

Angie Bocksell – Land Conservation & Planning,
Extension Committee – Chairperson



- County population: 7,289
- 159,000 acres
- 63,000 acres of cropland
- 28,660 acres of corn
- 14,300 acres of soybeans
- 7,600 acres of alfalfa/hay/forage
- 8,650 milk cows on 54 farms





Driftless Region
Conservation Tillage
+40% No-till
Grassed waterways
Grade stabilization
Cover Crops

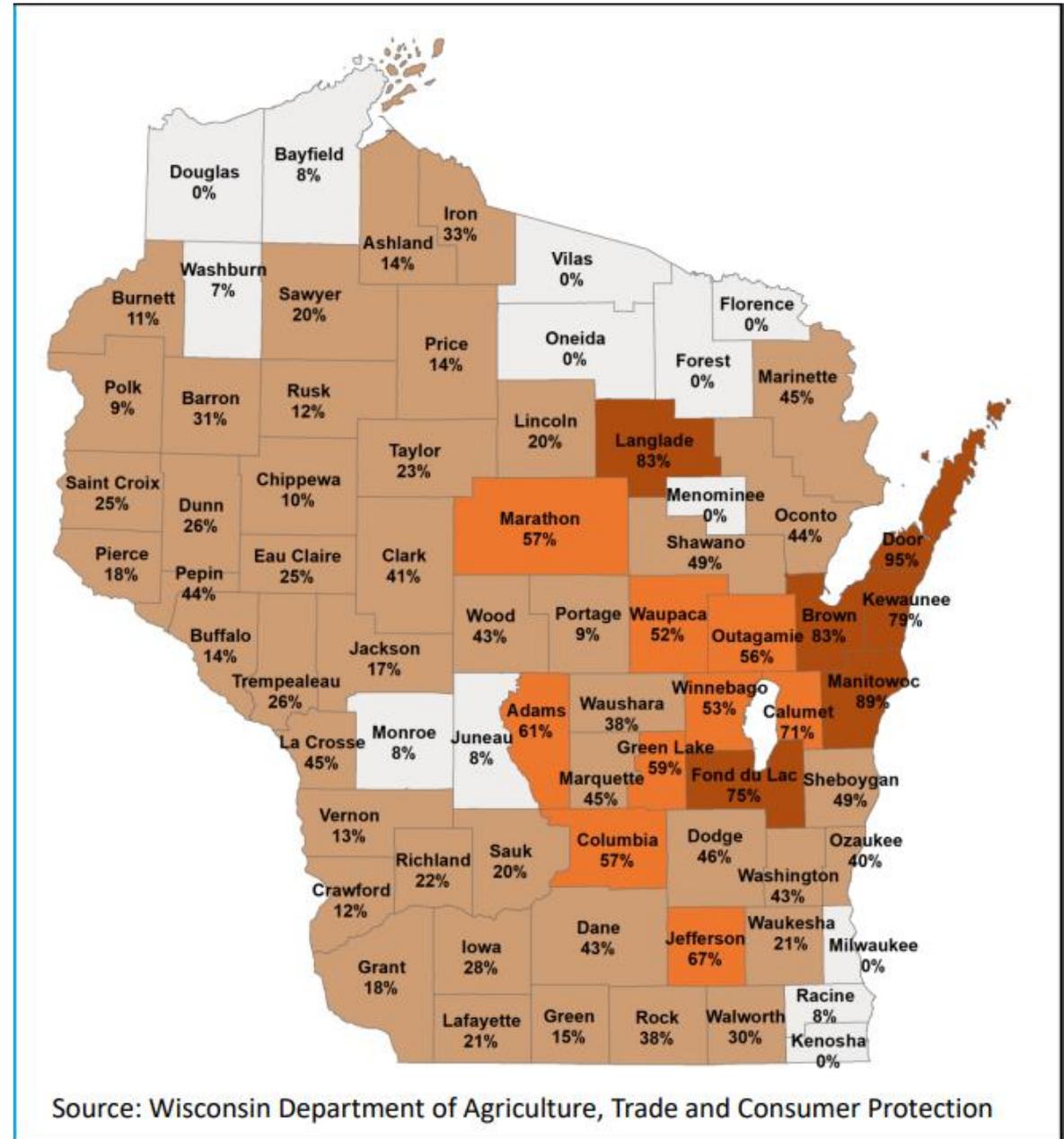
2020 Average soil loss 1.8 T/ac/yr

Nutrient Management Planning & Activities

44% cropland covered by NMP

Nitrogen Use Efficiency Project

N-fixing / N-efficient Corn Trials



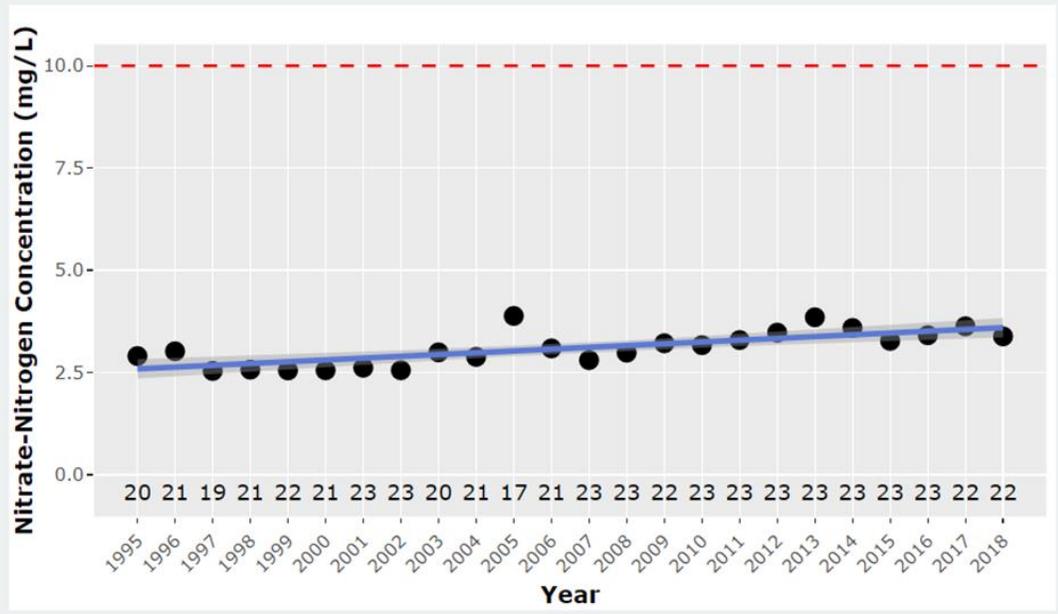
Source: Wisconsin Department of Agriculture, Trade and Consumer Protection



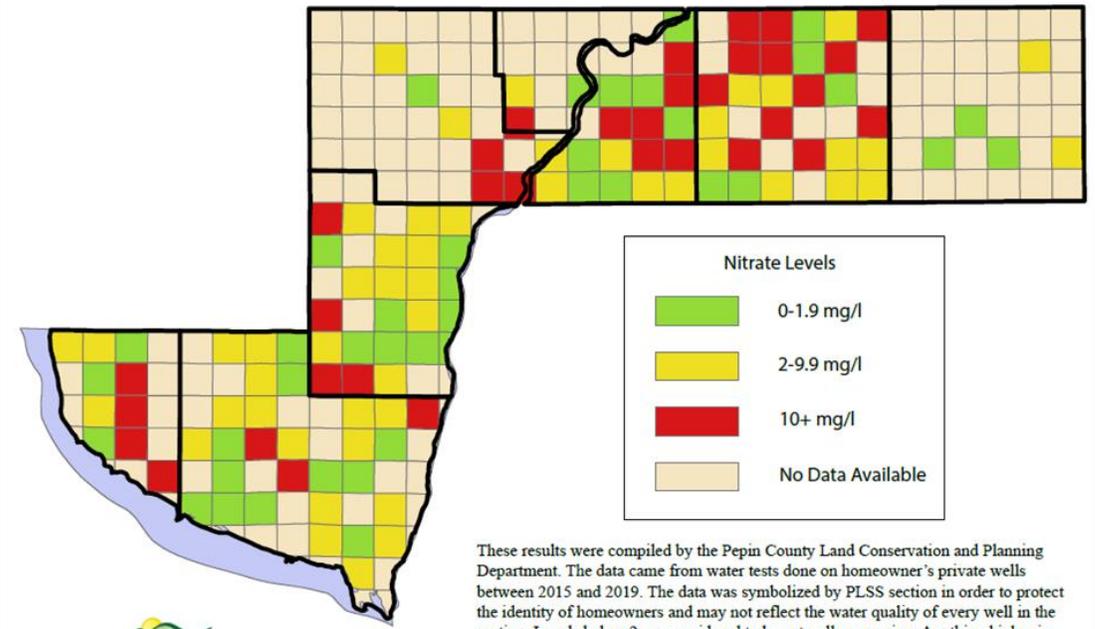
Trend Line Equation, R-squared, and p-value:

$y = -85 + 0.044x$, R-Squared = 0.549, P-Value = 0.000035

Likely Increase



PEPIN COUNTY GROUNDWATER NITRATE LEVELS

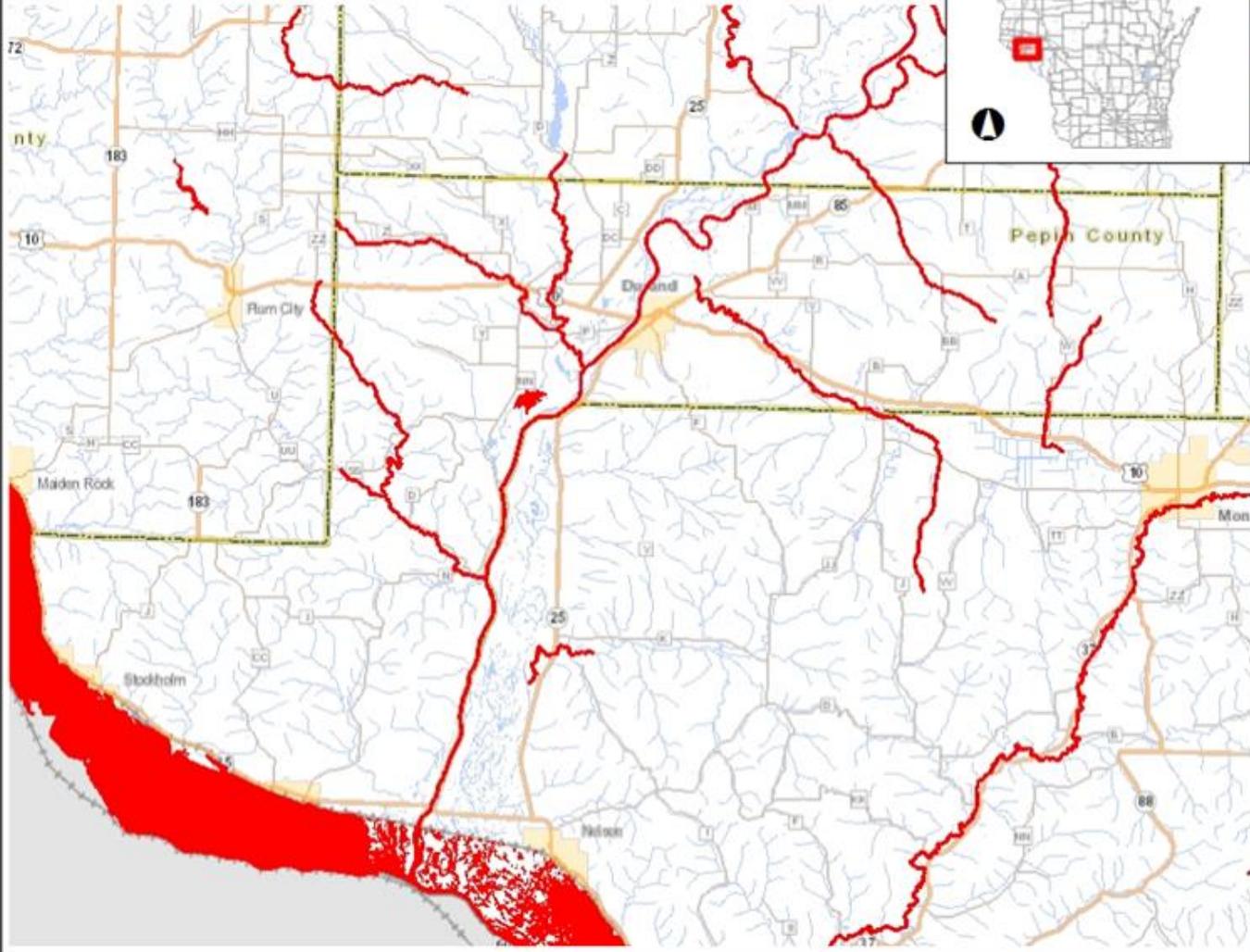


PEPIN COUNTY Wisconsin
Land Conservation and Planning Department

These results were compiled by the Pepin County Land Conservation and Planning Department. The data came from water tests done on homeowner's private wells between 2015 and 2019. The data was symbolized by PLSS section in order to protect the identity of homeowners and may not reflect the water quality of every well in the section. Levels below 2 are considered to be naturally occurring. Anything higher is considered to be from an outside influence. Nitrate levels above 10 mg/l are considered dangerous for human consumption.



Pepin County Impaired Waters (303d List) 2020



Legend

- Impaired Rivers and Streams
- Impaired Lakes
- Municipality
- State Boundaries
- County Boundaries
- Major Roads**
 - Interstate Highway
 - State Highway
 - US Highway
- County and Local Roads**
 - County HWY
 - Local Road
- Railroads
- Tribal Lands
- Rivers and Streams
- Intermittent Streams
- Lakes and Open water



NAD_1983_HARN_Wisconsin_TM 1: 253,440

DISCLAIMER: The information shown on these maps has been obtained from various sources, and are of varying age, reliability and resolution. These maps are not intended to be used for navigation, nor are these maps an authoritative source of information about legal land ownership or public access. No warranty, expressed or implied, is made regarding accuracy, applicability for a particular use, completeness, or legality of the information depicted on this map. For more information, see the DNR Legal Notices web page: <http://dnr.wi.gov/legal/>

Notes

LWRM Plan 2021 – 2030 Goals



To protect and enhance the quality and quantity of our water resources



To preserve and maintain our valuable soil resources



To promote a positive conservation ethic

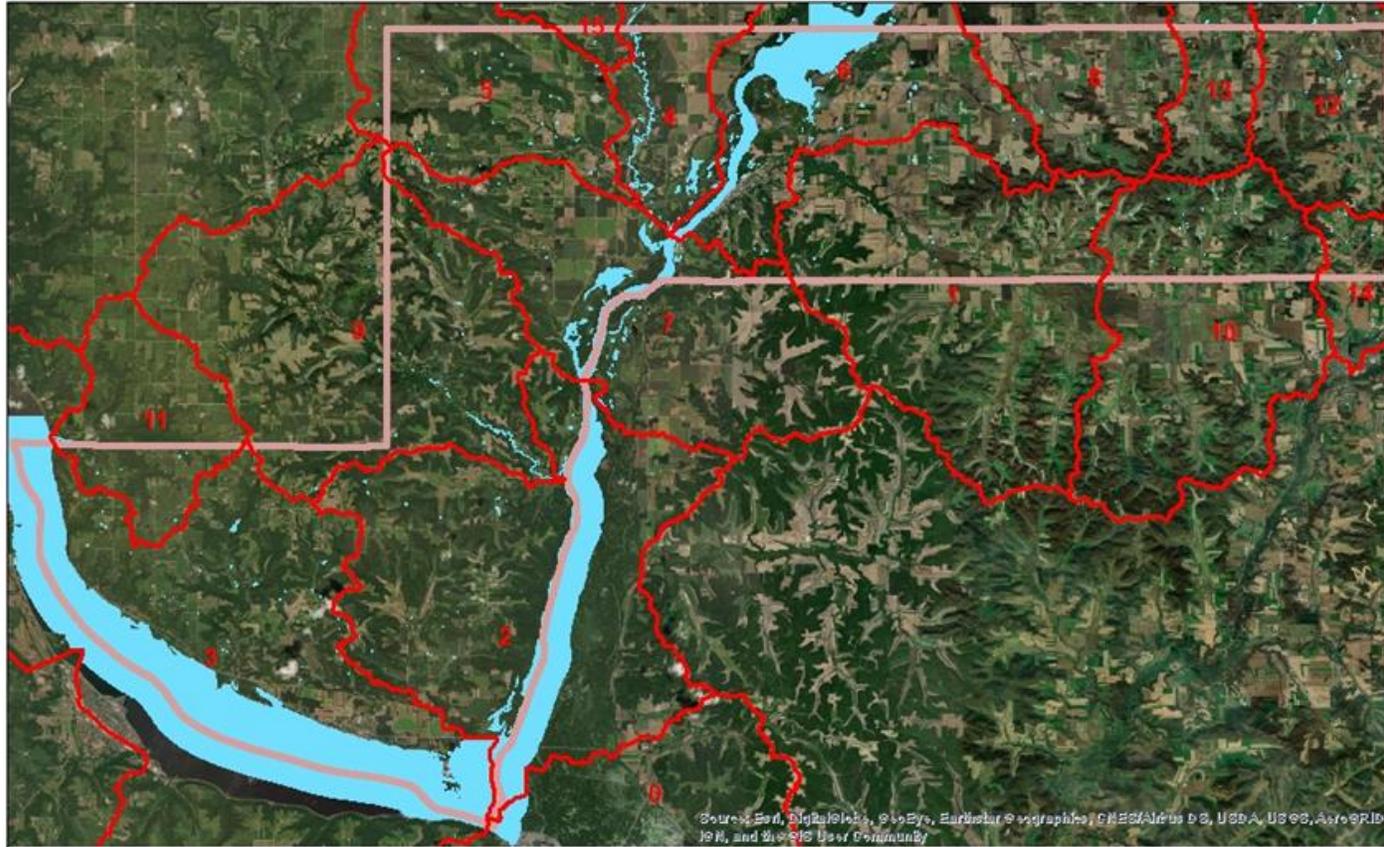


To protect and enhance diverse wildlife habitat



To mitigate, reverse and respond to changes in our climate

Pepin County Prioritized Watersheds - LWRM Implementation
2021 - 2030



| HUC12 Code | HUC12 Name | HUC12 Rank |
|-------------|----------------------------------|------------|
| 70500051201 | Bear Creek | 1 |
| 70500051205 | Little Plum Creek-Chippewa River | 2 |
| 70400010705 | Lake Pepin | 3 |
| 70500051008 | Lake Eau Galle-Eau Galle River | 4 |
| 70500051007 | Arkansaw Creek | 5 |
| 70500051202 | City of Durand-Chippewa River | 6 |
| 70500051203 | Spring Creek-Chippewa River | 7 |
| 70500050906 | Duscham Creek-Chippewa River | 8 |
| 70500051102 | Porcupine Creek-Plum Creek | 9 |
| 70400030107 | Harvey Creek | 10 |
| 70400010702 | Pine Creek | 11 |
| 70500050901 | Rock Creek | 12 |
| 70500050903 | Cranberry Creek | 13 |
| 70400030106 | Peeso Creek | 14 |
| 70500051006 | Missouri Creek | 15 |

Pepin County Land Conservation & Planning Department



U.S. Department of Agriculture
Natural Resources Conservation Service

farmers 4 health



DISCOVERY
FARMS
WISCONSIN



Thank you!

