

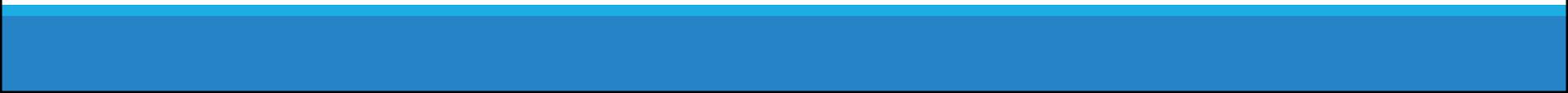
Door County Land & Water Resource Management Plan 2021-2030

LAND & WATER CONSERVATION BOARD

OCTOBER 6, 2020

KEN FISHER, CHAIR LAND CONSERVATION COMMITTEE

ERIN HANSON, COUNTY CONSERVATIONIST



Acknowledgements

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Rich Olson, Olson Family Farm

Matt Stasiak, Pen. Ag Research Station

Tom Strong, DC Economic Development

What are the most important soil, water and other natural resource issues facing Door County in the next decade?



Door County

482 square miles

300+ miles shoreline

28,650 year-round residents

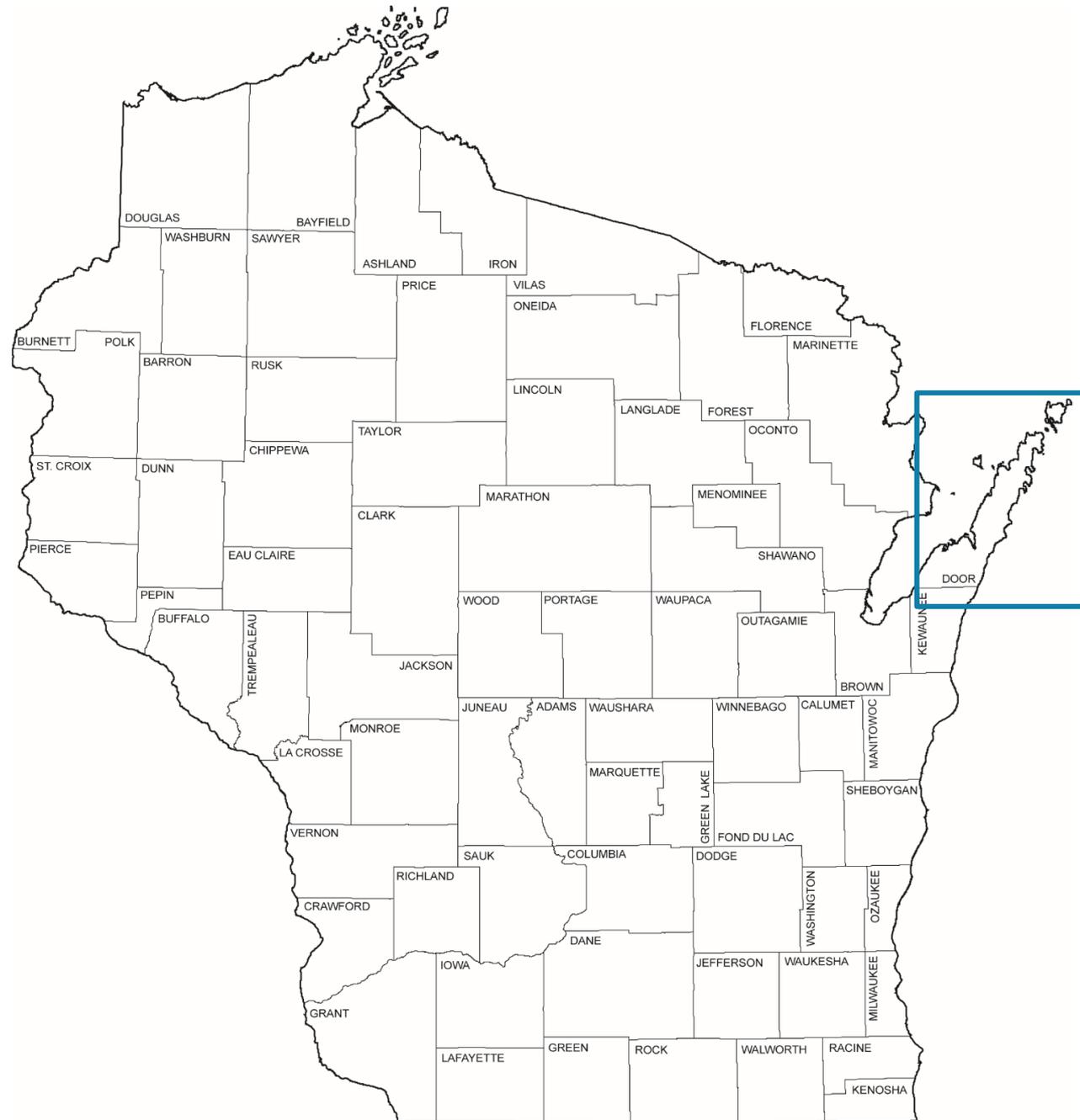
2.75 M annual visitors

Land Use

43% Woodlands, Wetlands,
Natural Areas & Parks

37% Agricultural

5% Residential





Resource Needs & Goals

Groundwater protection and improvement

Goal: Protect or improve, when and where necessary, groundwater resources to applicable State standards.

Surface water protection and improvement

Goal: Protect or improve, when and where necessary, surface water resources to applicable State standards.

Goal: Protect surface water resources through identification and abatement of beach contamination sources.

Impacts of human use and development on natural resources

Goal: Minimize the adverse effects of increased human use, fragmentation, urban sprawl, construction site erosion, increased impervious areas and other development pressures to protect land and water resources (including, but not limited to the waters, soils, wetlands, forests and significant or critical biodiversity).

Changing climate and lake levels

Goal: Collaborate with partners (e.g. other County Departments, NOAA, WDNR, and others) to develop climate adaptation best practices to protect natural resources and support development of long-term climate resilient mitigation practices for agriculture and other land uses.

Human waste management

Goal: Reduce the risks to water quality through proper repair/replacement of failing septic systems.

Animal waste management

Goal: Reduce the risk to water quality through proper storage, handling and disposal of animal waste.

Storm water management

Goal: Reduce the risk to water quality and prevent flooding through proper storm water runoff management.

Resource Needs & Goals

Soil erosion control; agricultural and construction site

Goal: Reduce soil erosion rates on agricultural fields through proper soil conservation practices.

Goal: Reduce soil erosion from construction sites through proper soil erosion control measures.

Invasive species control

Goal: Protect the habitat and biodiversity of native fauna and flora through the control of aggressive, invasive non-indigenous species.

Education and Awareness of Environmental Issues and Sustainable Farming Practices

Goal: Increase awareness of the sensitivity of land and water resources and promote sound decisions using objective and science-based material.

Fertilizer and chemical use

Goal: Reduce the risk to water quality through proper storage and handling of fertilizer and chemicals.

Natural resources information sharing

Goal: Develop and maintain collaborative relationships with local, state and federal agencies and other relevant partners to share information, partner on research, seek funding and implement projects to protect and improve land and water resources.

Non-metallic mine reclamation

Goal: Reduce the impacts to water quality and other natural resources from nonmetallic mines through proper operation and/or reclamation procedures.

Agricultural sustainability and land protection

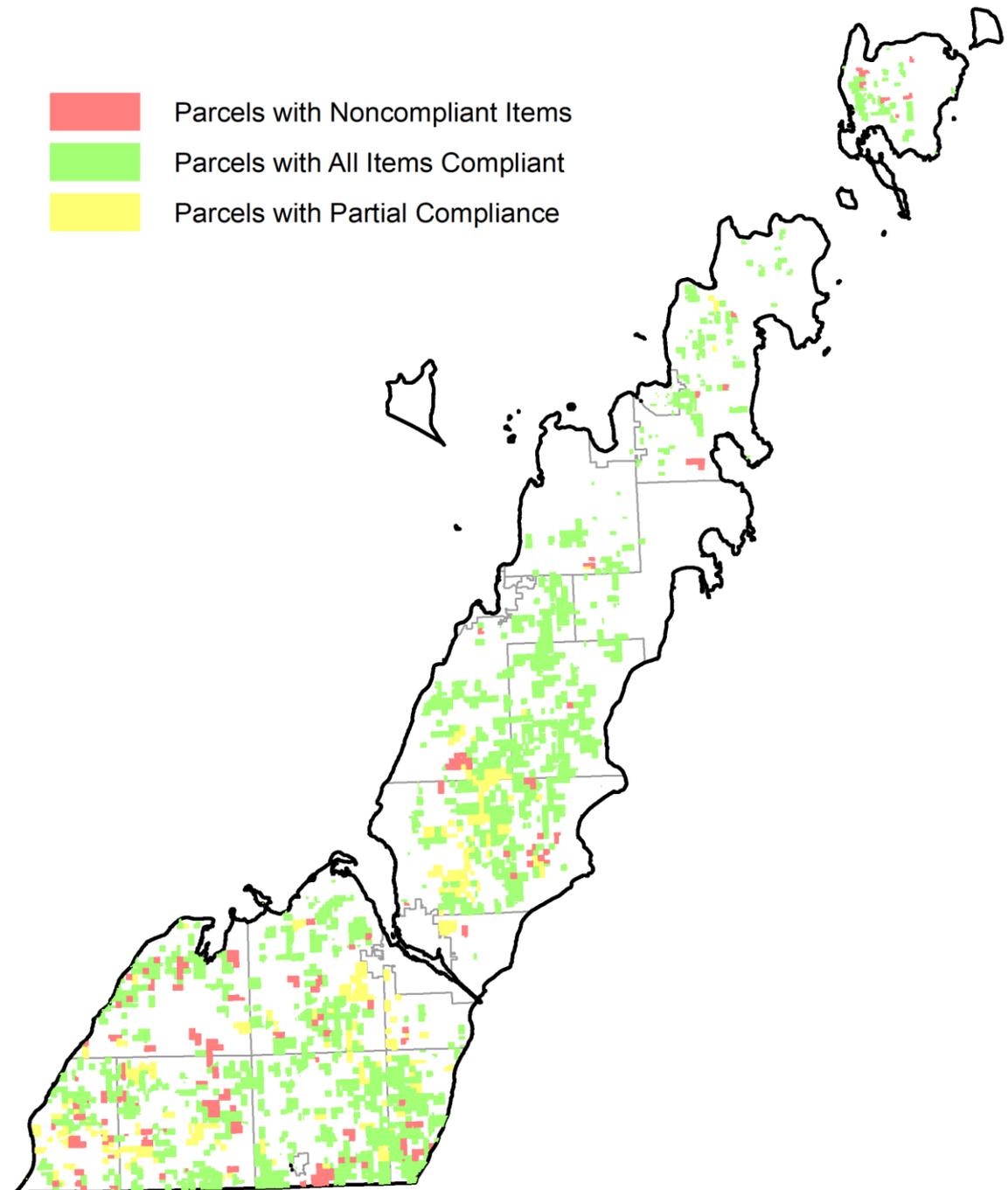
Goal: Reduce the impacts of sprawl and fragmentation through preservation of farmland and other open spaces.

Agricultural Performance Standards & Animal Waste Storage Ordinance

Adopted in 2004, revised in 2018. All NR 151 agricultural performance standards and prohibitions.

Focus:

- Minimum Standards vs. Resource Needs
- Sustained compliance
- Cost share complications

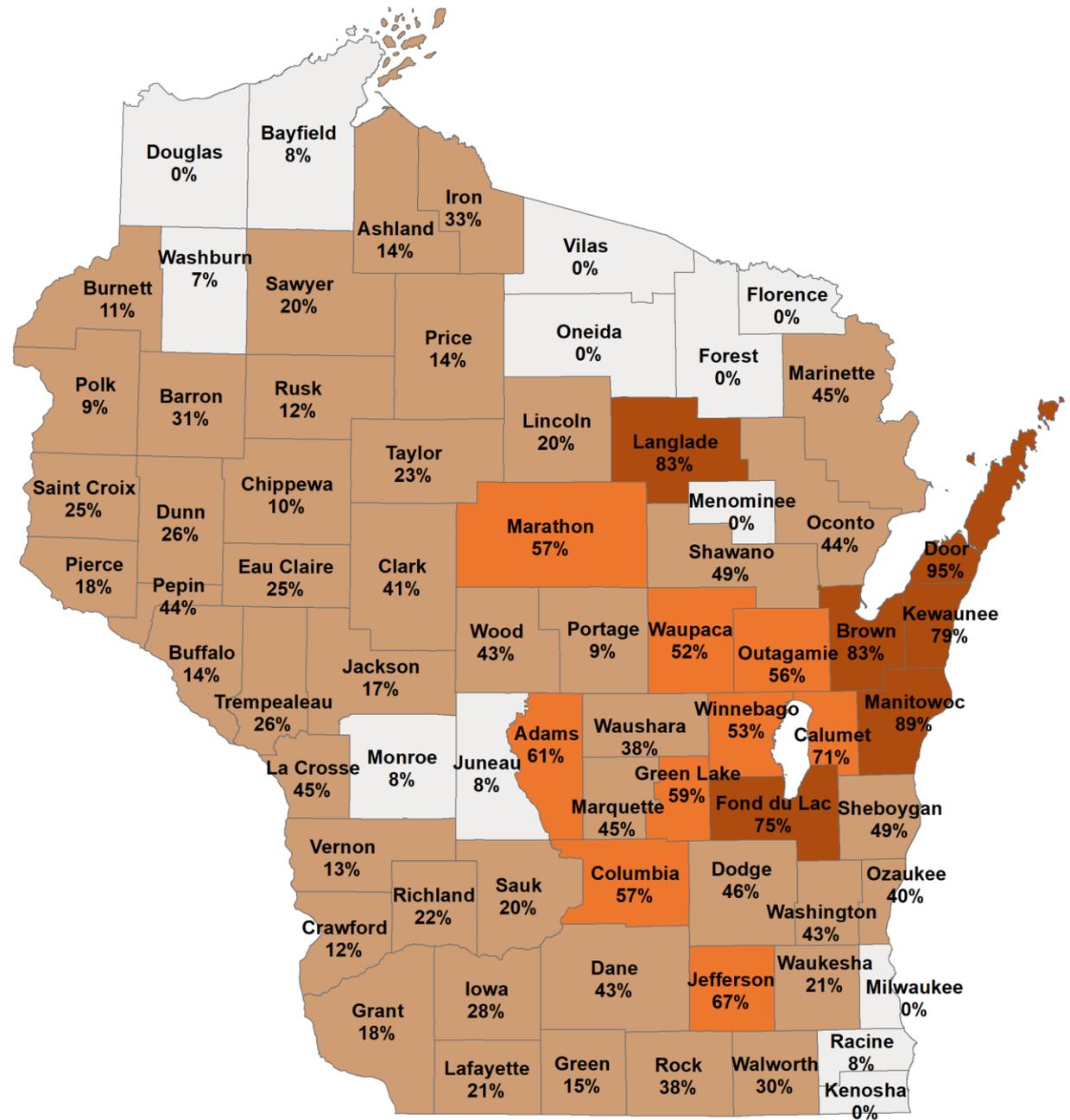


Nutrient Management Plans

95% of Door County cropland (86,500 acres)

Focus:

- Quality / Accuracy
- Execution
- Landowners
- Soil Health / Erosion



Source: Wisconsin Department of Agriculture, Trade and Consumer Protection

Urban & Rural Non-Agricultural and Groundwater Protection Programs

Storm Water Runoff Management / Construction Site Erosion Control

Nonmetallic Mining Reclamation

Beach Contamination – Source Identification and Reduction

Watershed Restoration Projects

Wildlife Damage Abatement & Claims

Well Abandonment

Municipal ZOCs



Invasive Species

Lead role in DCIST (Door County Invasive Species Team)

Four priority species for Door County

Municipal Outreach and support of Noxious Weed Ordinances

Grants to support AIS Outreach & Education, Control (AIS and Terrestrial)



Wild Parsnip (*Pastinaca sativa*)



Common Reed (*Phragmites australis*)



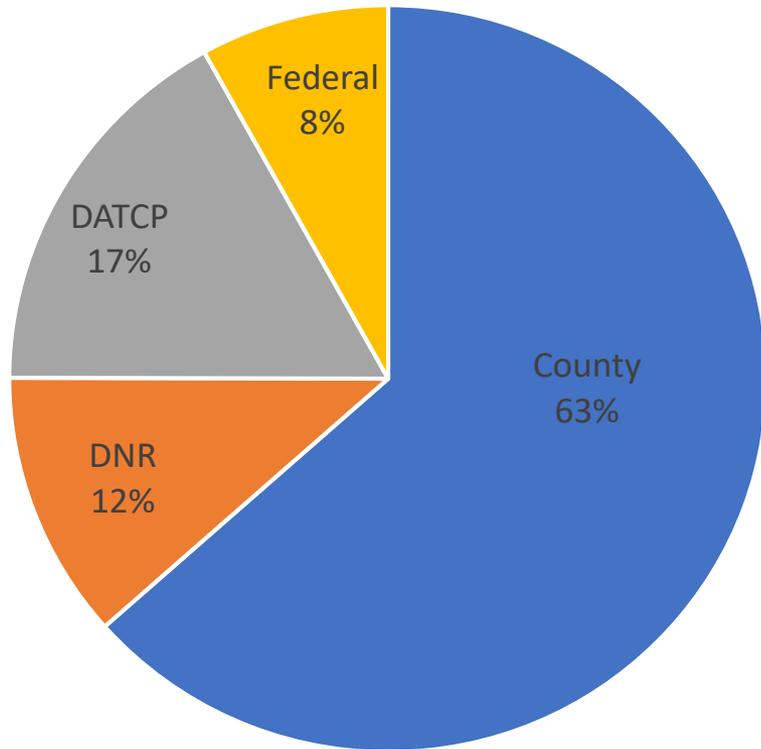
Japanese Knotweed (*Reynoutria japonica*)



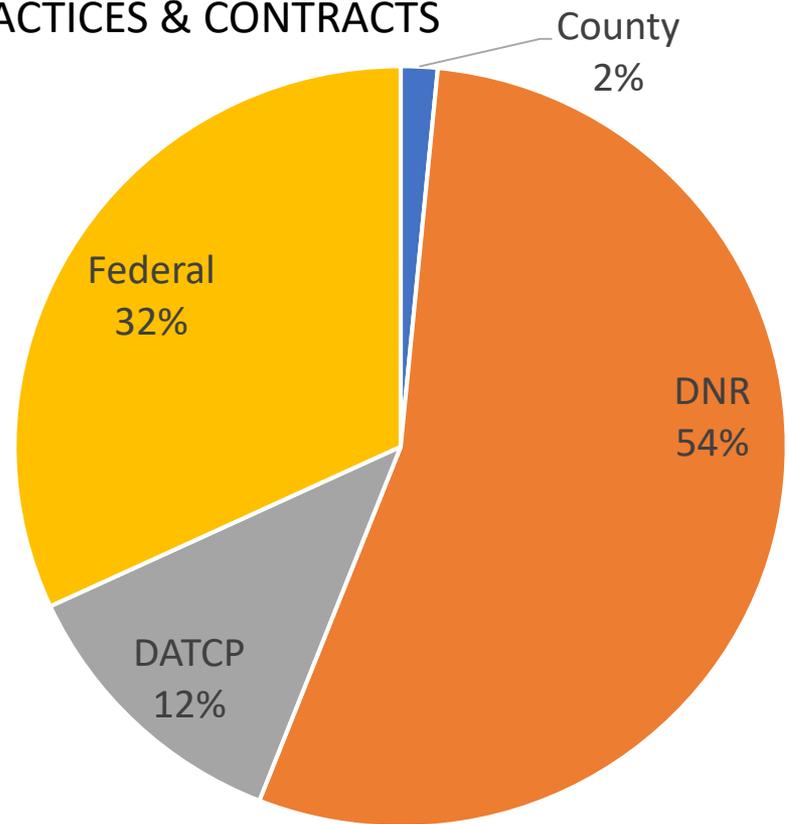
Common & Cut leaf Teasel Species (*Dipsacus spp.*)

2020 BUDGET

STAFFING & SUPPORT



PRACTICES & CONTRACTS



QUESTIONS?

KEN FISHER – CHAIR, LAND CONSERVATION COMMITTEE

ERIN HANSON – COUNTY CONSERVATIONIST