

# COLUMBIA COUNTY LAND & WATER RESOURCE MANAGEMENT PLAN

**2021-2030**





COLUMBIA COUNTY IS LOCATED IN SOUTH CENTRAL WISCONSIN. IT COVERS 774 SQUARE MILES WITH A TOTAL LAND AREA OF ABOUT 495,300 ACRES. AGRICULTURE MAKES UP ABOUT 60% OF THAT, TOTALING 296,236 ACRES

THE COUNTY POPULATION IS 57,358.

WE HAVE 56 LAKES TOTALING 11,982 ACRES (LAKE WISCONSIN)

WE HAVE 50 MILES OF TROUT STREAMS AND 35 MILES OF WISCONSIN RIVER

4 CITIES, 10 VILLAGES AND 21 TOWNS

WE FALL IN 3 DIFFERENT MAJOR DRAINAGE BASINS (UPPER FOX, WI RIVER, ROCK RIVER

# LWRM PLAN IMPLEMENTATION HIGHLIGHTS SINCE 2011 (SUCCESS STORIES)

- NR 151 IMPLEMENTATION (PRIORITY FARMS)
  - NMP 590 PLANS 7.7 % COVERAGE IN 2011, 57% COVERAGE 2019
    - DEVELOPMENT OF NMP GIS PARCEL BASED TRACKING SYSTEM (NMFE TRAINING)
    - PRIORITY FOR FUTURE FIELD SCALE TMDL GOAL REDUCTION (TARGETED)
  - PRODUCTION SITE PRIORITY FARM NR 151 IMPLEMENTATION
    - USED 12 SMALL SCALE TRM GRANTS, 4 NOD GRANTS & 2 LARGE SCALE GRANTS TO BRING FARMS INTO COMPLIANCE
  - GROUNDWATER DATA AND TESTING

# LWRM PLAN IMPLEMENTATION HIGHLIGHTS SINCE 2011 (SUCCESS STORIES)-CONTINUED

- GROUNDWATER DATA & TESTING
  - 2013 DEVELOPMENT OF G-FLOW MODEL FOR COUNTY
  - DRINKING WATER TESTING PROGRAM >1000 WELLS TESTED, SINCE START, HAS LED US DOWN THE ROAD OF HAVING MORE SIGHT SPECIFIC TARGETABLE DATA RELATED TO GROUNDWATER ISSUES AS SHOW IN THE PLAN.
  - FARMLAND PRESERVATION PROGRAM DATA BASE DEVELOPMENT, TRACKING AND PARTICIPATION
  - TITLE 15 ANIMAL WASTE MANAGEMENT ORDINANCE DRAFT REVISION

# PRIORITY RESOURCE CONCERNS LOOKING FORWARD


- SOIL EROSION & SEDIMENT DELIVERY
  - PROTECTION AND IMPROVEMENT OF SURFACE WATER QUALITY
- PROTECTION AND IMPROVEMENT OF GROUND WATER QUALITY-NITRATES
  - HABITAT PROTECTION AND RESTORATION
- INVASIVE SPECIES PREVENTION & MANAGEMENT
  - CLIMATE CHANGE RESILIENCY

# EXAMPLE LONG-TERM ACTION ITEMS GOALS/OBJECTIVES

- EXPAND FPP PROGRAM USE AS CONTINUED NR 151 COMPLIANCE TOOL
- 590 NMP ADOPTION & COMPLIANCE GOAL OF 70% COVERAGE TO ENHANCE FOCUSED BMP IMPLEMENTATION
- WORK TO DEVELOP PRODUCER LED COUNCIL OR COUNCILS IN COLUMBIA COUNTY TO HELP DRIVE DECISION MAKING
- USE GROUNDWATER NITRATE DATA TO FOCUS BMP IMPLEMENTATION
- CONTINUE DEVELOPMENT & INTEGRATION OF FPP/BMP/NMP/NR151/TMDL TRACKING DATABASE



# EXAMPLE LONG-TERM ACTION ITEMS GOALS/OBJECTIVES-CONTINUED

- WORK WITH DNR TO EVALUATE UTILIZATION OF TMDL DATA
  - COMPLETE FINAL REVISIONS TO TITLE 15 ANIMAL WASTE MANAGEMENT ORDINANCE
  - PROMOTE MANAGED INTENSIVE GRAZING SYSTEMS
  - PROMOTE SOIL HEALTH PRACTICES
  - BUILD IN STRONGER PROGRAMMING ASSOCIATION WITH CLIMATE CHANGE RESILIENCY
  - EVALUATE USE OF ALTERNATIVE NUTRIENT REDUCTION PARTNERSHIPS
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The image features a light gray background with a subtle gradient. In the top-left and bottom-right corners, there are several realistic water droplets of various sizes, rendered with soft shadows and highlights to give them a three-dimensional appearance. The word "QUESTIONS!" is centered in the upper half of the image in a bold, black, sans-serif font.

**QUESTIONS!**