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
QUESTIONS!