



CREATING A NRI FROM SCRATCH

Spring Duffey, McHenry-Lake SWCD

WHY ARE NRIs REQUIRED?

- This report is a requirement under Section 22.02a of the Illinois Soil and Water Conservation Districts Act.
- The purpose of this report is to inform officials of the local governing body and other decision-makers with natural resource information. This information may be useful when undertaking land use decisions concerning variations, amendments or relief of local zoning ordinances, proposed subdivision of vacant or agricultural lands and the subsequent development of these lands.

TYPES OF NRIs

- LETTER
- FULL REPORT
- HOW DO I KNOW WHICH ONE TO DO?
 - FLOWCHART (Handout)
 - BOARD POLICY

FEES

- LETTERS VS FULL REPORTS
- DEVELOP A FEE SCHEDULE ADOPTED BY YOUR BOARD (Application Handout)

APPLICATION

- NAME OF THE APPLICANT/PETITIONER, ADDRESS, PHONE
- NAME OF THE CONTACT PERSON, ADDRESS, PHONE (TYPICALLY RECIEVES THE FINISHED REPORT)
- LOCATION OF PROJECT
 - PARCEL INDEX NUMBER
 - COMMON ADDRESS
- TYPE OF LAND USE OR ZONING CHANGE
- ACREAGE

ADDITIONAL APPLICATION ITEMS

- PLAT OF SURVEY
- TENTATIVE PLAT
- WETLAND DELINEATIONS
- INTENSIVE SOIL SURVEYS
- PETITION
- FEE

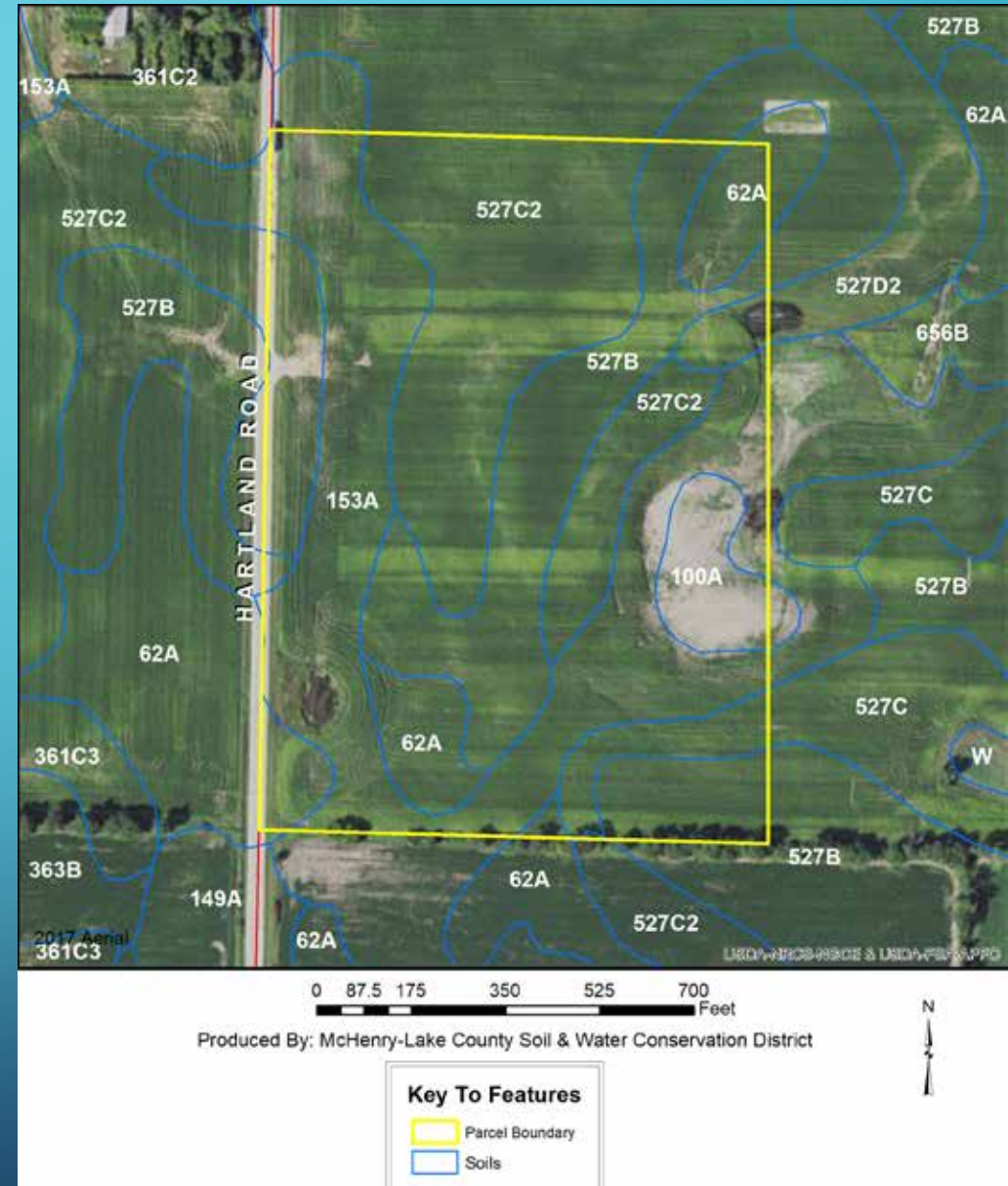
MAIN COMPONENTS OF THE REPORT

- Aerials
 - Recent
 - Historical
 - On-site photos



SOILS

- General map and descriptions
- Acreage of each soil type
- Soil Limitations
 - Based on proposed use
 - Concerns of your county

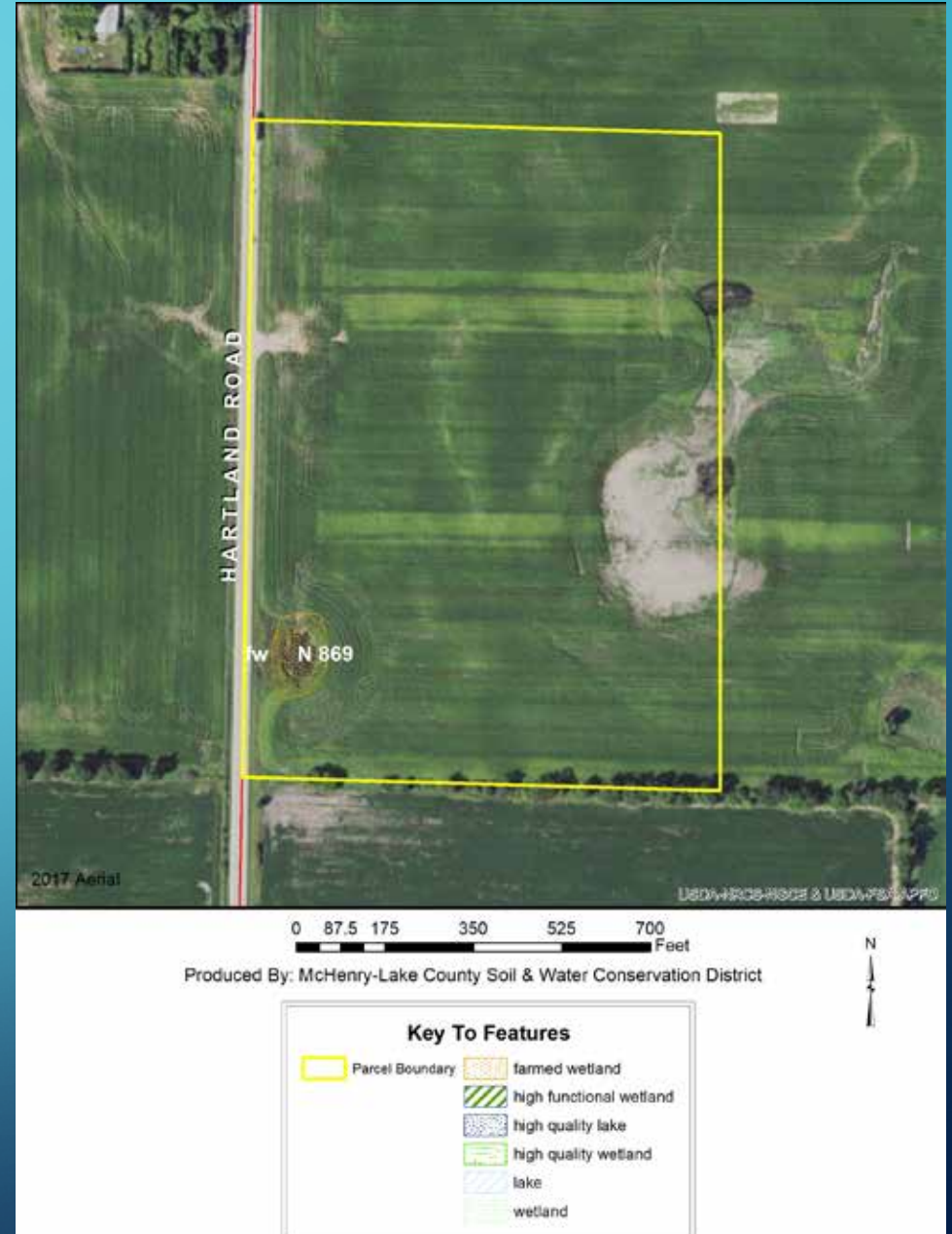


TYPES OF SOIL LIMITATIONS

- Septics (tailored to your county septic regulations)
- Prime Farmland
- Highly Erodible Soils
- Building Limitations – Basements, Slabs, Commercial
- Hydric – Including Organic, Somewhat Poorly Drained
- Highly Permeable Soils
- Leaching Potential
- Solar limitations

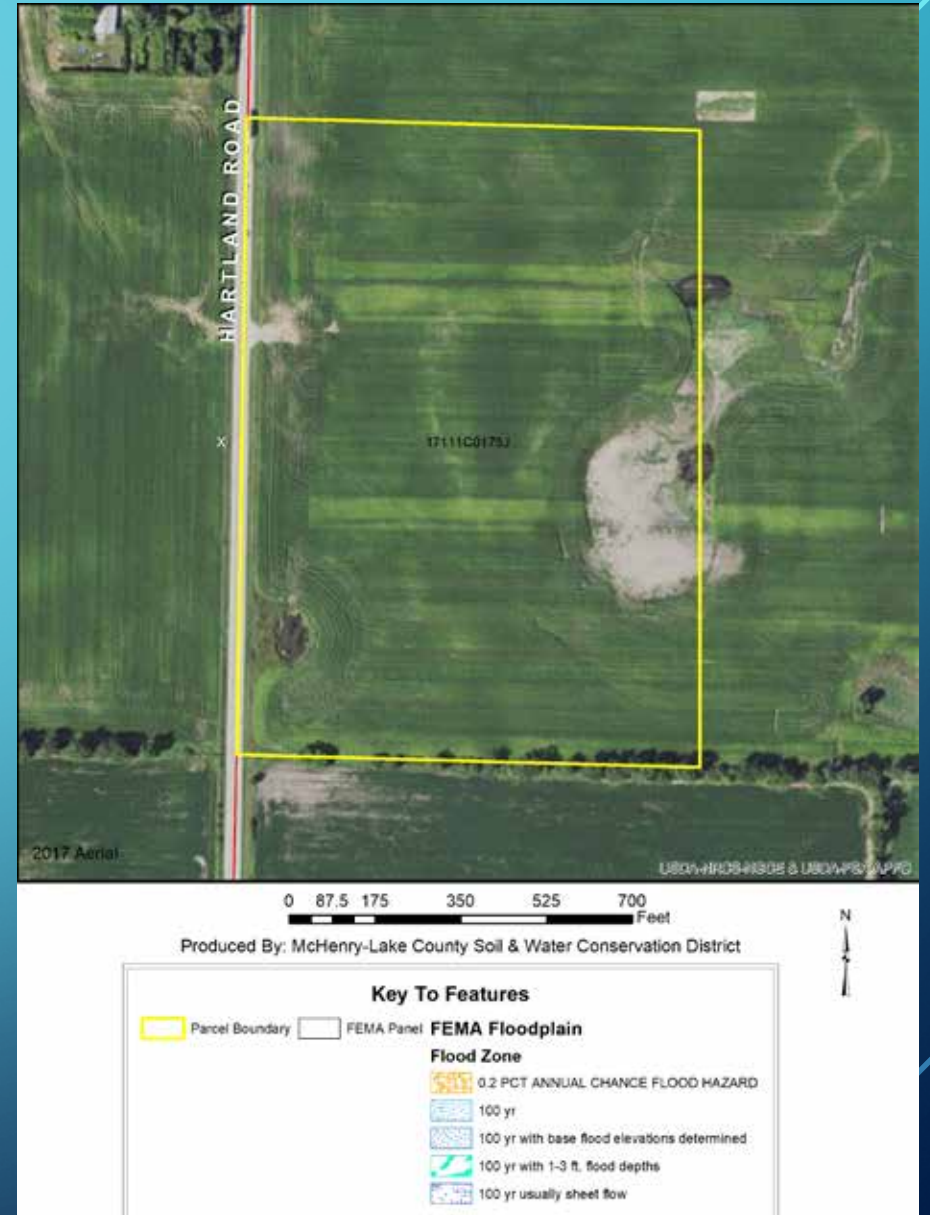
WETLANDS

- NWI (National Wetland Inventory)
- NRCS Wetlands (Permission signed)
- Others



FLOODPLAIN

- FEMA Floodplain
- Flood of Record (USGS Hydrologic Atlas)



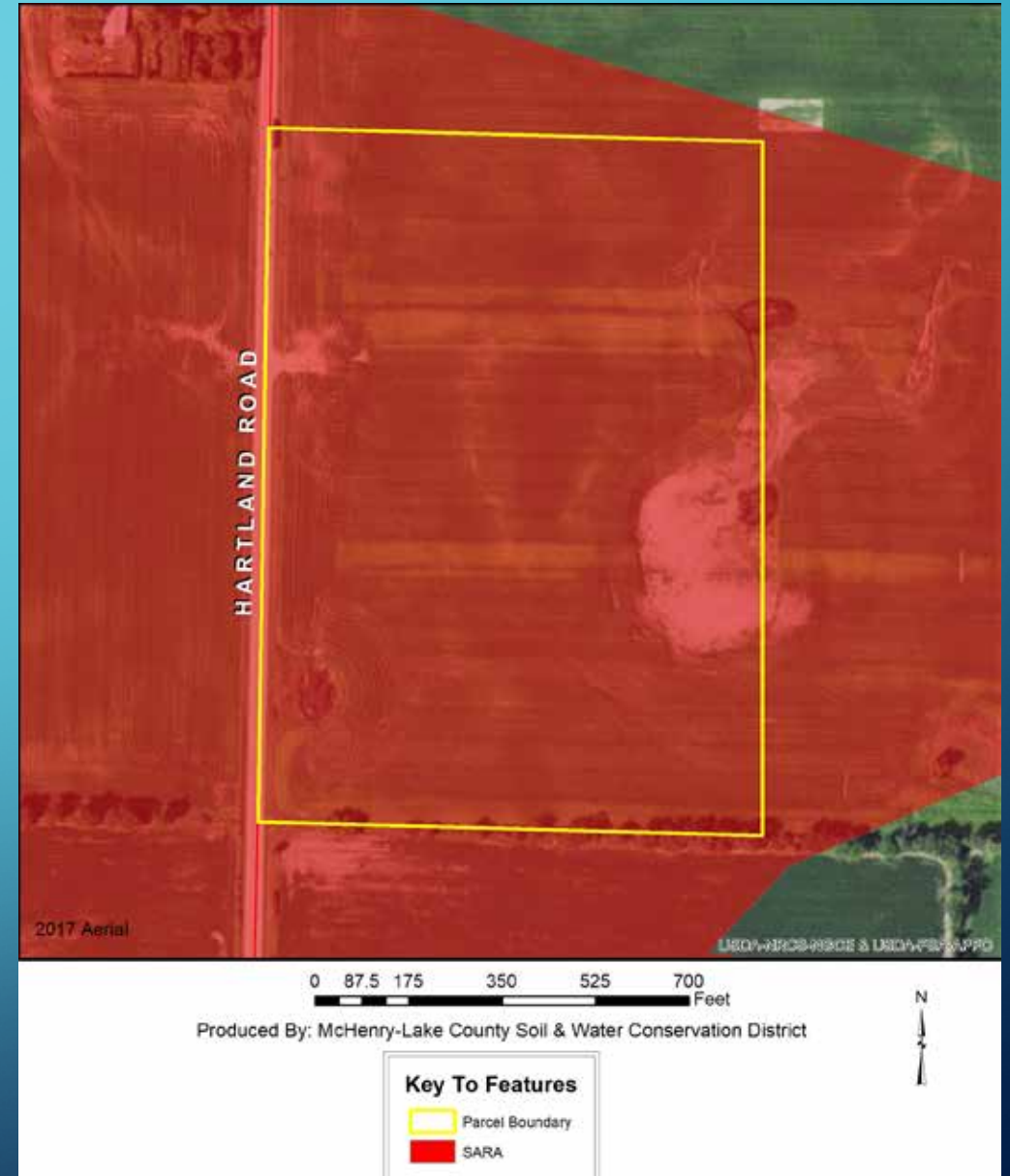
TOPOGRAPHIC

- 10 Ft.
- 2 ft or Less Contours if Possible
- Utilize this to point out drainage features, possible erosion control issues



GEOLOGIC

- Aquifer Information
- Specific County Studies
- Nitrate & Pesticide Sensitivity



CULTURAL RESOURCES

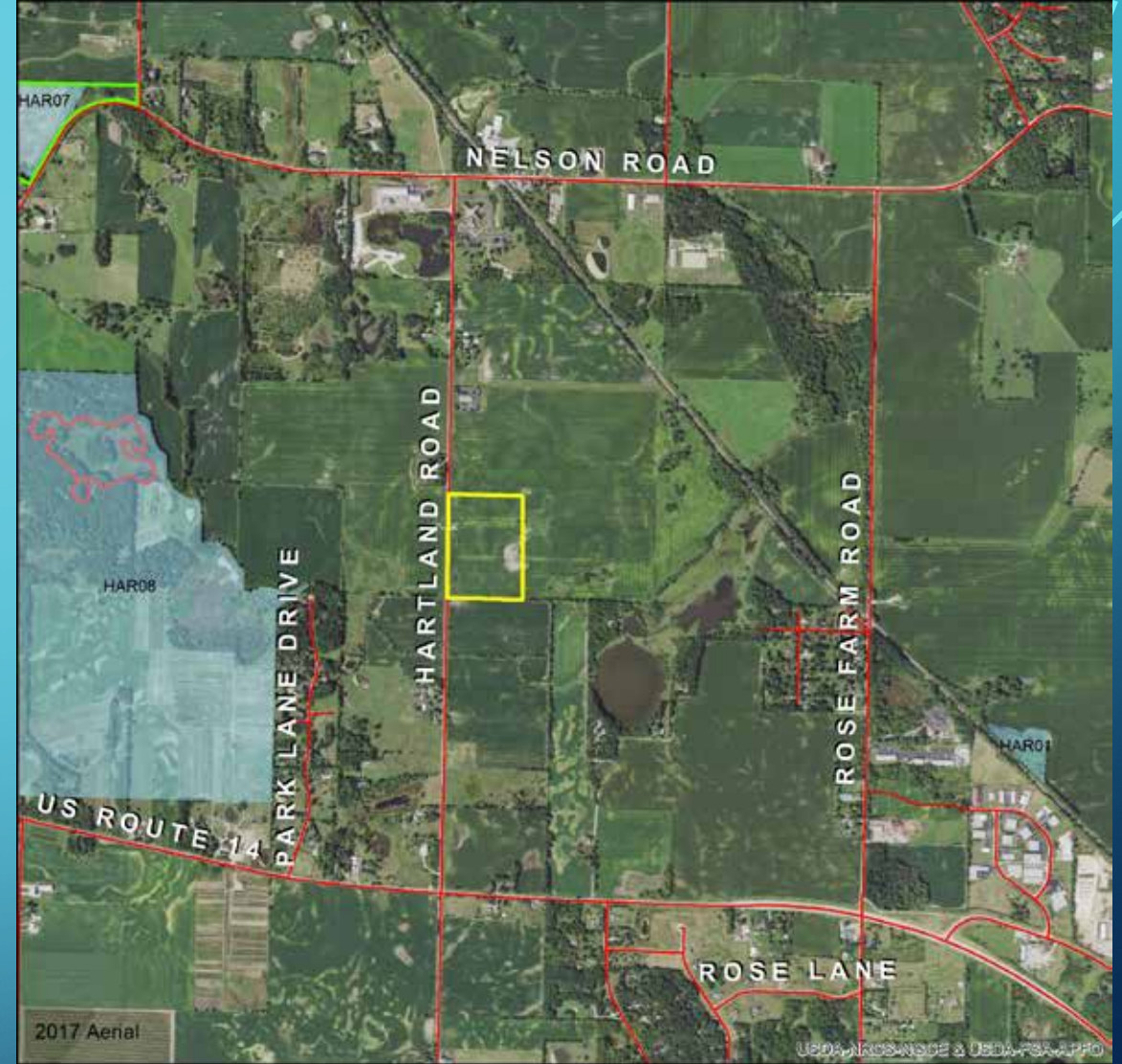
- Old Plat Books
- Specific County Studies
- Historic Preservation
- NRCS High Probability Layer

WOODLANDS

- Old plat books – Witness Trees
- On-site evaluation
- Specific County Studies

ECOLOGICAL SITES

- INAI – Illinois Natural Areas Inventory
- County Specific Inventories
- State Nature Preserves
- County, Municipal, State Parks or Lands
- Class III Groundwater Recharge Areas



0 650 1,300 2,600 3,900 5,200
Feet

Produced By: McHenry-Lake County Soil & Water Conservation District

Key To Features

- Parcel Boundary
- MCCD Sites
- McHenry County Natural Areas Inventory
- Illinois Natural Areas Inventory

CONSERVATION PRACTICES

- Waterways
- Terraces
- etc.

LESA

- An approved system by the IL Dept. of Ag and NRCS that determines the impact to agricultural lands by the proposed use.
- LE – Land Evaluation
 - Soils are given a rating of 0 to 100 based mainly on their productivity (NRCS)
- SA – Site Assessment
 - Usually 10 factors worth 20 points each
 - Handout Example: Land Use Plans, Zoning, Surrounding Land Uses, Distances to Municipalities, Fire Protection Districts, Natural Resources Present
- Work with IDOA/NRCS to develop a county specific system.

OTHER

- Ag Areas
- County Specific Ordinances
 - Stormwater
 - Conservation Design
 - Land Use Plans

COMBINING THE DATA INTO A REPORT (EXAMPLE)

- Title Page
- Executive Summary
- Report

PRESENTING THE DATA TO YOUR BOARD

- PowerPoint Highlights
- Concerns Cheat Sheet (Handout)
- Incorporating their concerns into the Executive Summary

REPORT RECIPIENTS

- Applicant/Contact Person (2 copies, digital)
- County or Municipality
- Township Plan Commissions
- Others



UTILIZING GIS & FINDING RESOURCE INFORMATION

- Resource Links (Handout)
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QUESTIONS?



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