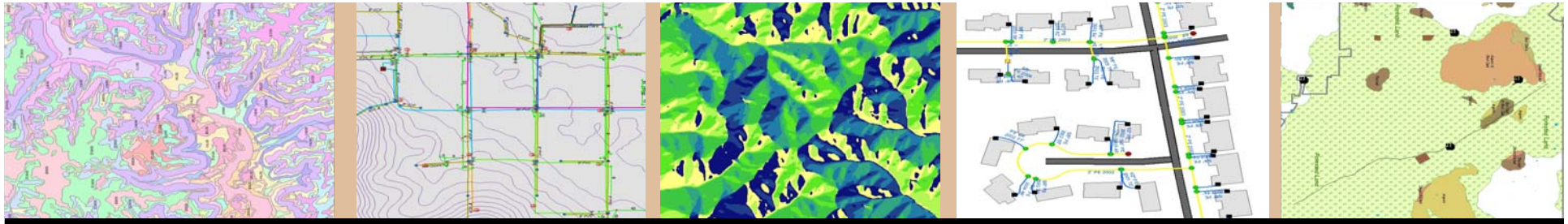
Goodhue County GIS Users Group

2008: Year-in-Review

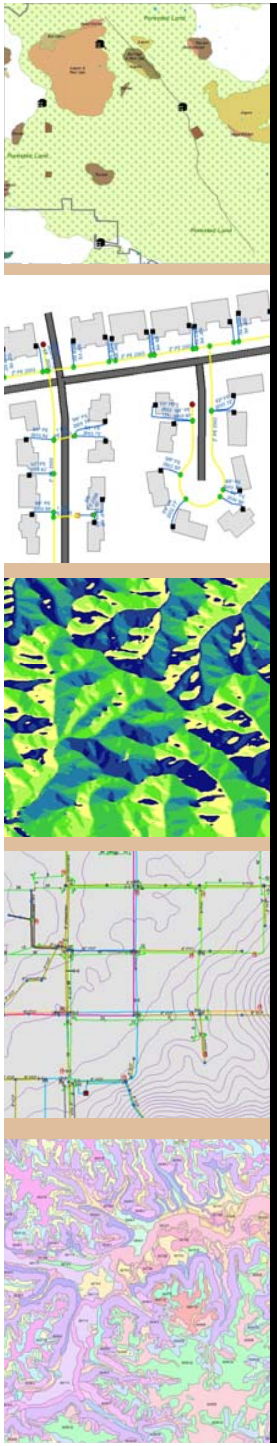
Alan Laumeyer & Sarah Schrader – Goodhue County GIS Specialists

Southeastern MN GIS Users Group Meeting – Thursday, January 8th, 2009



- Overview of GIS Users Group
- Current Participating Agencies
- Member Benefits Overview for 2008
- What's Next for the Users Group?

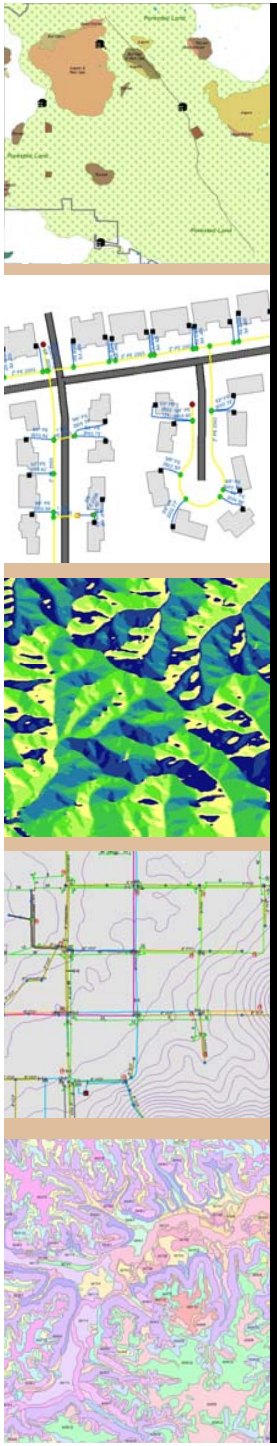
Goodhue County GIS Users Group - Overview



Users Group Overview

Why did we form a GIS users group?

- Goodhue County is the warehouse or source for many of the basic GIS datasets.
- GIS technology/staff can be cost-prohibitive for small communities.
- Needed an "official" partnership between agencies – Not just staff cooperation.
- Currently the only non-metro county-wide GIS Users Group in existence.



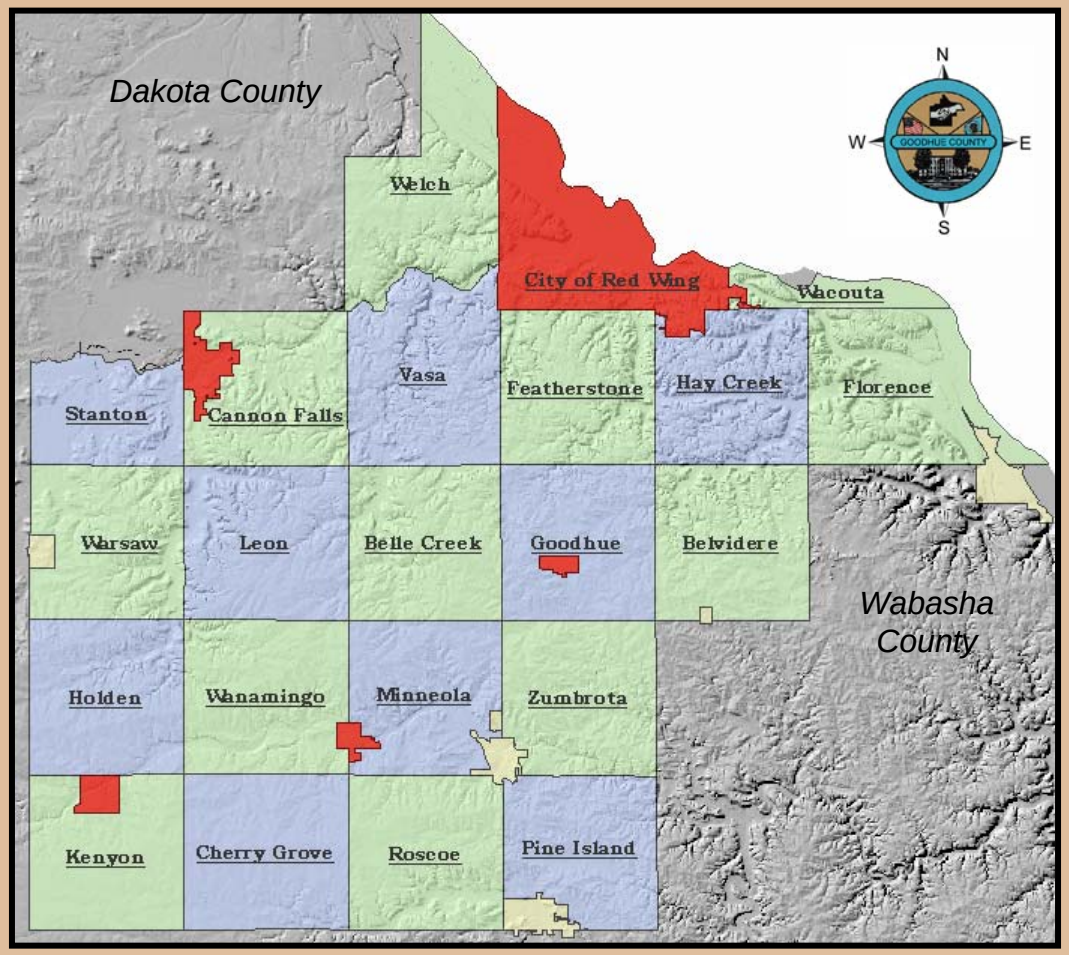
Users Group Overview

- **November 2006:** County staff contacted municipalities and other agencies regarding the users group initiative.
- **January 2007:** Monthly meetings with representatives of interested agencies.
- **Fall 2007:** County staff presented to City Councils and Agency Boards regarding the Users Group & Cost Sharing agreement.
- **January 2008:** County GIS Users Group Official.
- **February 2008:** County hires 2nd GIS staff.

Current Participating Agencies

Current Participating Agencies

- City of Cannon Falls
  - *Pop. 3,795*
- City of Goodhue
  - *Pop. 778*
- City of Kenyon
  - *Pop. 1,661*
- City of Red Wing
  - *Pop. 16,116*
- City of Wanamingo
  - *Pop. 1,007*



- Goodhue County Soil & Water Conservation District
- Prairie Island Indian Community

Member Benefits

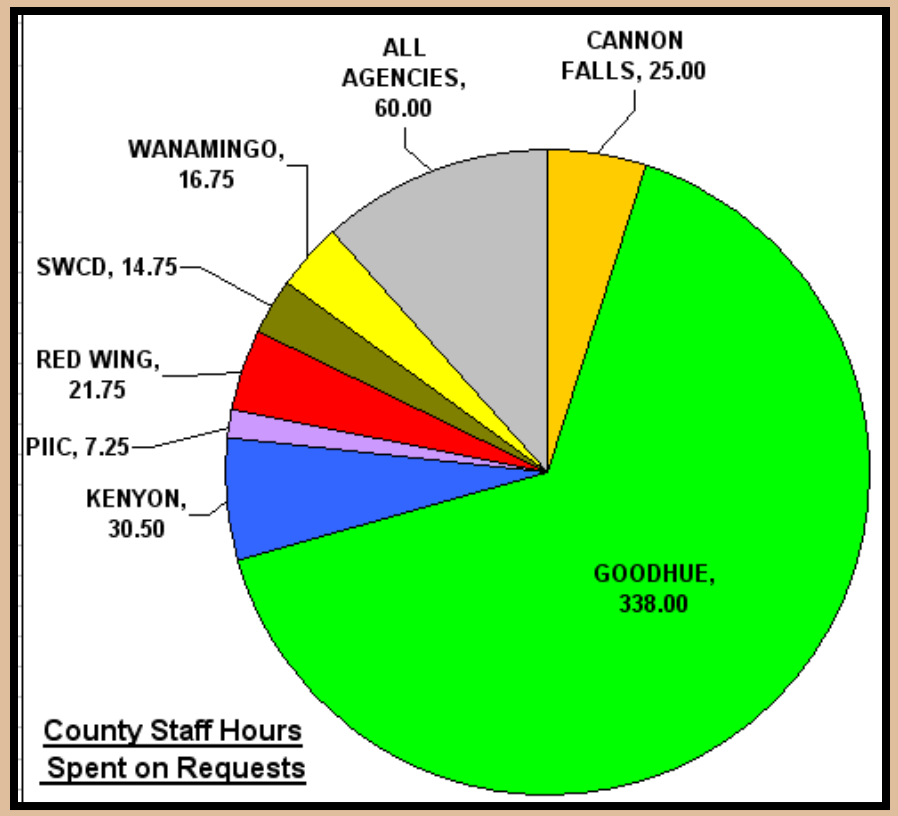
Member Benefits

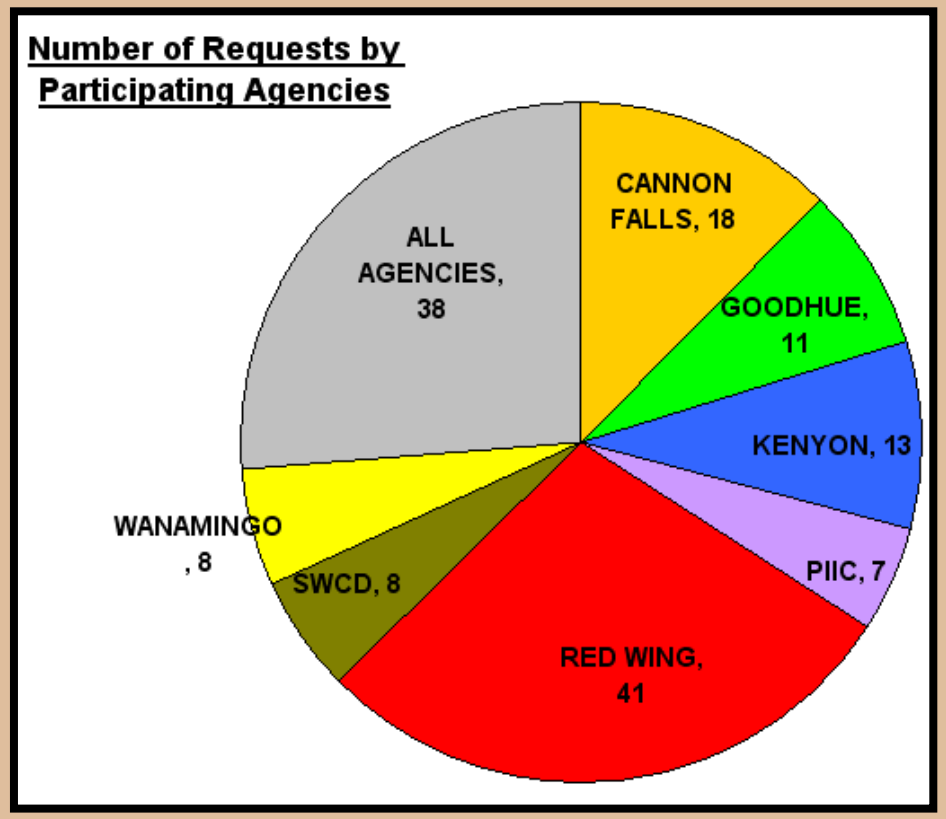
Member Agencies pay an annual fee ranging from $1,000 to $14,000

(Fee was based primarily on population or agency service area)

- Shared cost of future data acquisitions.
- More efficient distribution of updated GIS data, including parcels, ortho-imagery, and more.
- Access to GIS personnel for special projects or mapping site updates.
- Shared cost of an agency-specific online GIS mapping site.

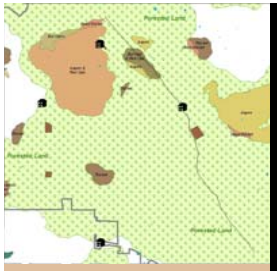
Member Benefits Overview 2008

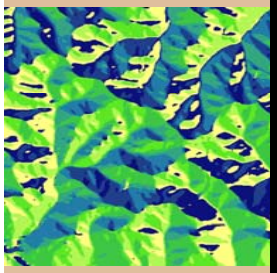


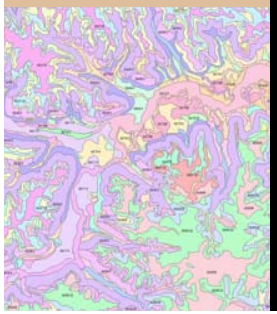


144 Total Requests

514hrs Total Staff Time

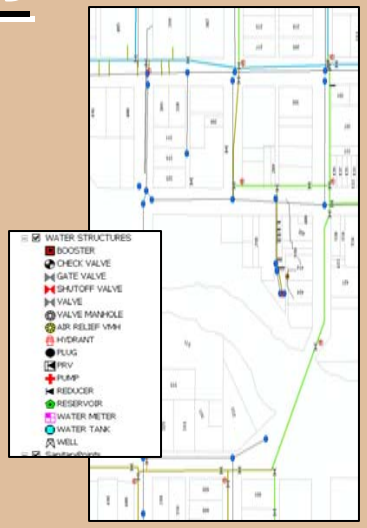






City of Cannon Falls

- 18 Requests Total
- 25hrs County Staff Time



Digital GIS Data Shared:

- 1990's Land Use
- 2ft Contours
- 2005 & 2007 imagery
- FEMA floodplain
- Parcels
- Parcel Tax Field Codes

Maps Shared:

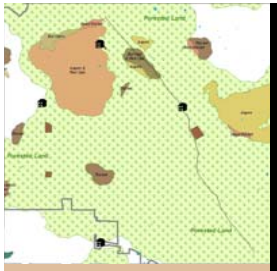
- 5 County Highway Maps
- 11 Plat Books

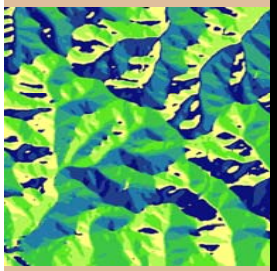
Maps Created:

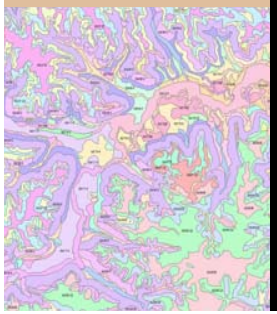
- Cannon River Wild & Scenic designated areas
- FEMA floodplain
- Proposed zoning/planning

Services:

- Creation of internal and public versions of an online GIS mapping site







City of Goodhue

- 11 Requests Total
- 338hrs County Staff Time

Digital GIS Data Created:

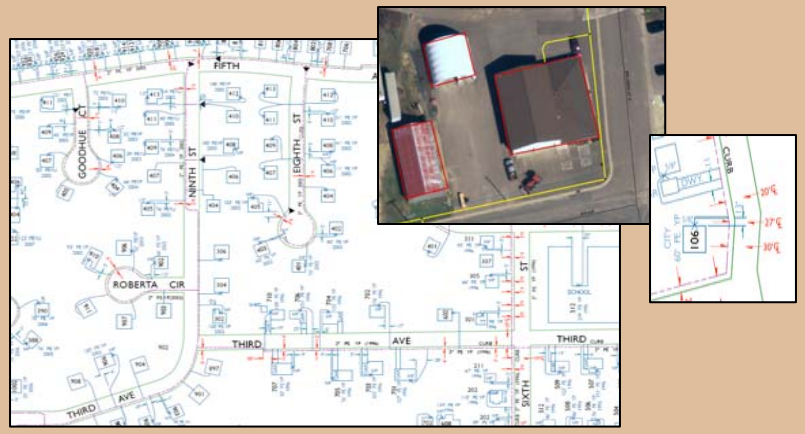
- City Zoning
- Gas distribution pipelines and pipe facilities
- Structure Outlines
- Subdivisions

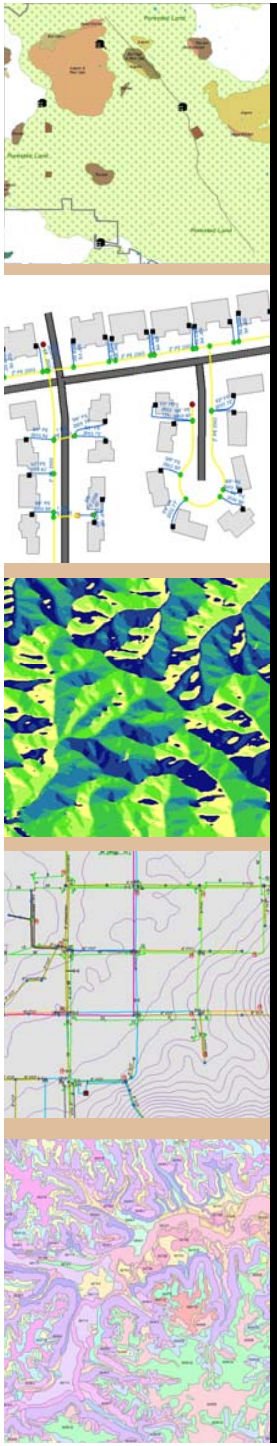
Maps Created:

- Address Map
- City Zoning
- Subdivisions
- Gas Pipelines and Pipe Facilities

Services:

- Located and collected GPS data for a Distribution Regulation Station
- Creation of internal and public versions of an online GIS mapping site





City of Kenyon

- 13 Requests Total
- 30.5hrs County Staff Time

Digital GIS Data Created:

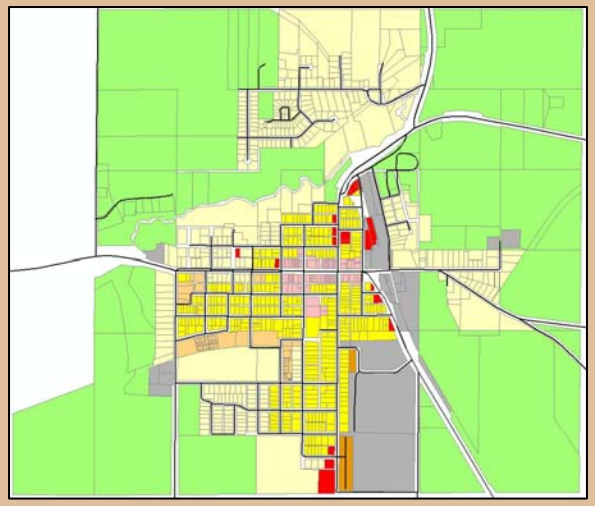
- City Zoning
- Structure Outlines
- Subdivisions

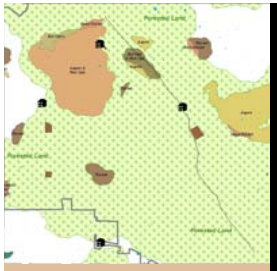
Maps Created:

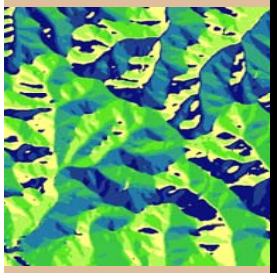
- Address Map
- City Zoning
- Site maps with parcels, imagery & 2ft contours
- Subdivisions

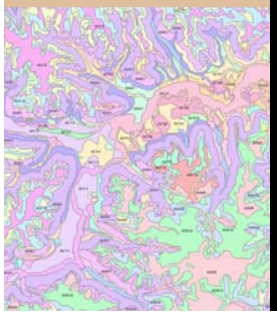
Services:

- Creation of internal and public versions of an online GIS mapping site









Prairie Island Indian Community

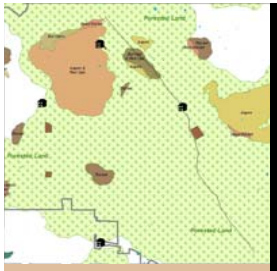
- 7 Requests Total
- 7.25hrs County Staff Time

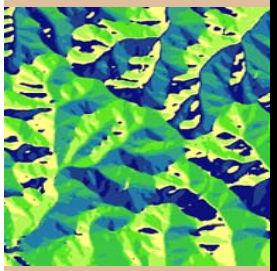
Digital GIS Data Shared:

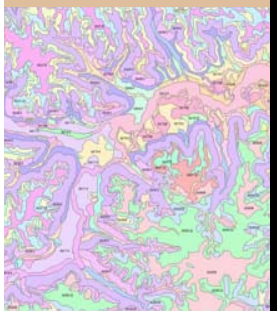
- 1938 imagery
- 2ft contours
- 2005 imagery
- 2007 imagery
- Parcels
- PLS Sections
- Roads w/address ranges
- Streams

Maps Shared:

- 14 County Highway maps
  - For the PIIC Police Department





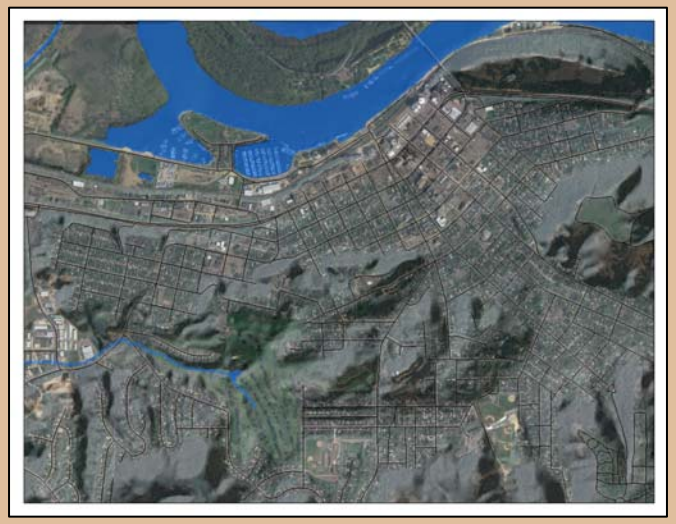


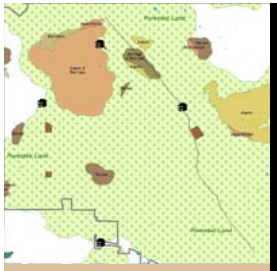
City of Red Wing

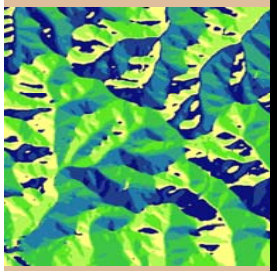
- 41 Request Total
- 21.75hrs County Staff Time

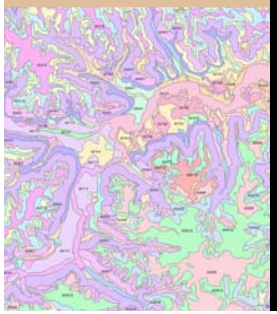
Digital GIS Datasets Shared:

- 1938, 1951, & 1990 imagery
- 2ft Contours
- 2005 & 2007 imagery
- FEMA prelim DFIRM maps
- Lakes
- LIDAR data:
  - First Pulse, Bare Earth, Digital Elevation Model, Percent Slope, & Hillshade
- Municipal Boundaries
- Parcels
- PLS Sections
- Roads w/address ranges
- Streams
- Trails









City of Red Wing - *continued*

Data Shared w/Consultants:

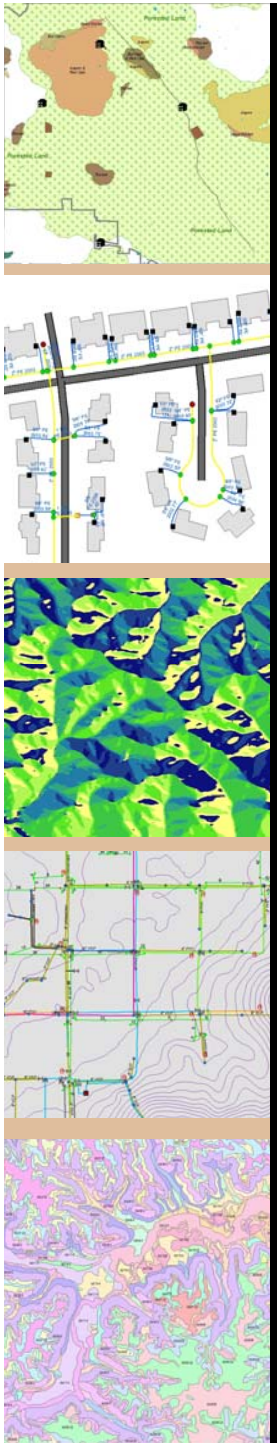
- Ambulance Zones
- County Zoning
- Emergency Service (ESN) Zones
- Firestation locations
- Fire Zones
- Municipal Boundaries
- Parcels
- Roads w/address ranges

Services:

- Monthly GIS Data Updates
  - Parcels with Ownership Attributes
  - Roads w/address ranges
- Creation of internal and public versions of an online GIS mapping site

Maps Created:

- Ambulance District Map
- Emergency Sirens Map
- Fire District Map



Soil & Water Conservation District

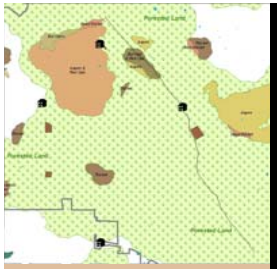
- 8 Requests Total
- 14.75hrs County Staff Time

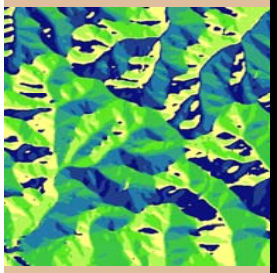
Digital GIS Data Shared:

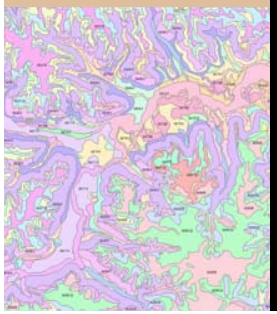
- 1938, 1951, 1990 imagery 2ft Contours
- 2005 & 2007 imagery
- Cell Tower locations
- County Zoning
- Feedlot Locations
- FEMA Floodplain
- FSA 2008 color imagery
- Lakes
- Municipal Boundaries
- Natural Resource Inventory

Digital GIS Data Shared:

- Parcels
- Pipelines
- PLS Sections
- Railroads
- Roads w/address ranges
- Shoreland
- Soils
- Streams
- USGS DRGs







Soil & Water Conservation District

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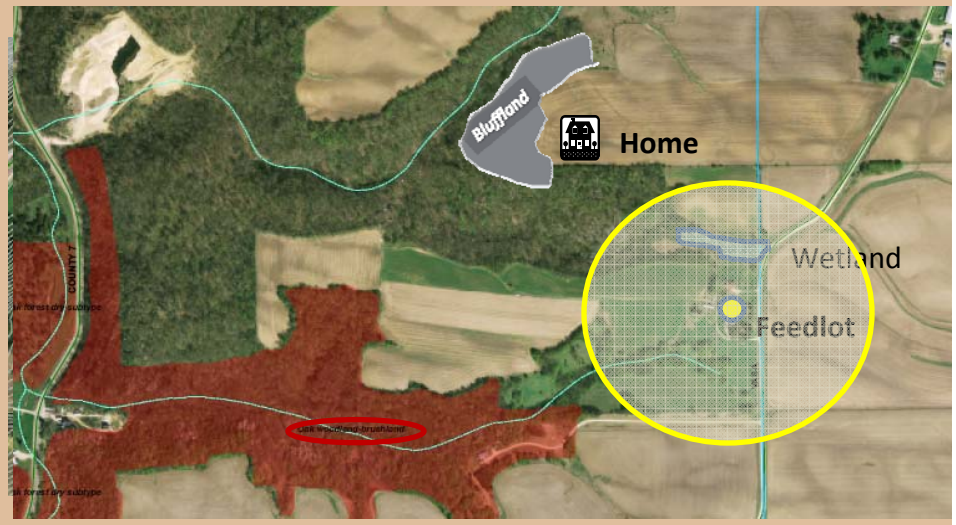


Maps Shared:

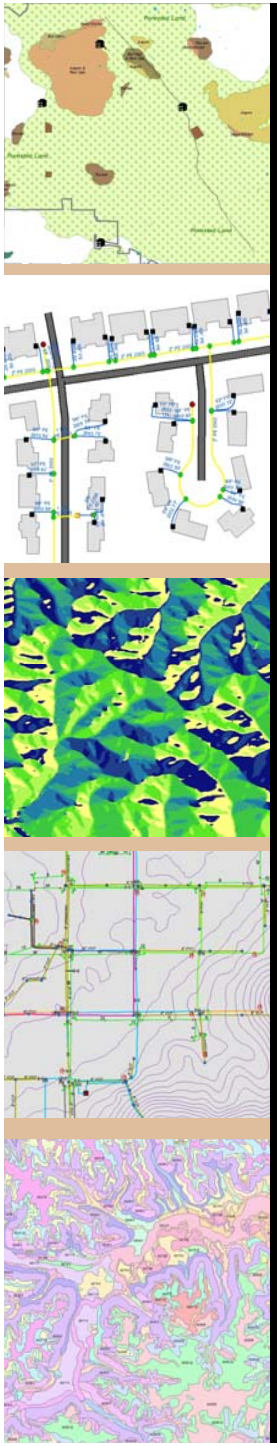
- 8 Plat Books
- 16 Highway Maps

Other:

- 3 “Using ArcGIS Desktop” Books
- 3 ESRI “9.3 Shortcuts” Pamphlets

Services:

- Installed GIS software and extensions on staff computers and server.
- Created GIS handbooks for staff regarding important information about accessing the County GIS datasets.



City of Wanamingo

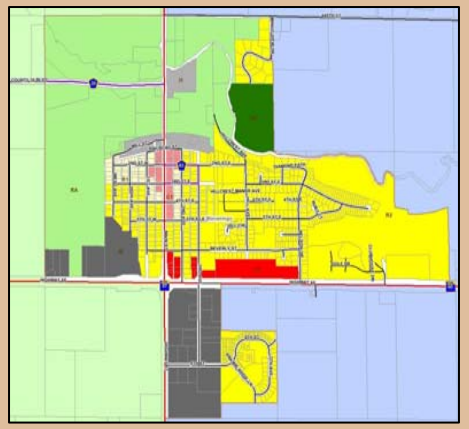
- 8 Requests Total
- 16.75hrs County Staff Time

Digital GIS Data Created:

- City Zoning
- Structure outlines
- Subdivisions

Maps Created:

- Address Map
- City Zoning
- Subdivisions

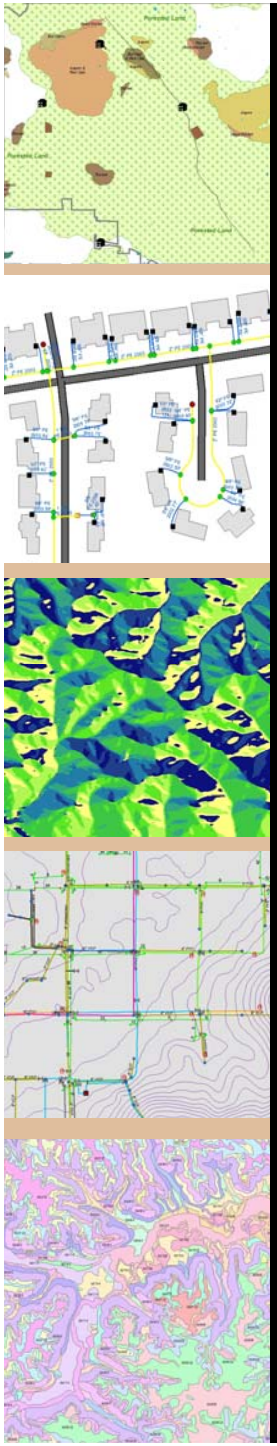


Maps Shared:

- 5 Plat Books
- 5 Highway Maps

Services:

- Creation of internal and public versions of an online GIS mapping site



All Member Agencies

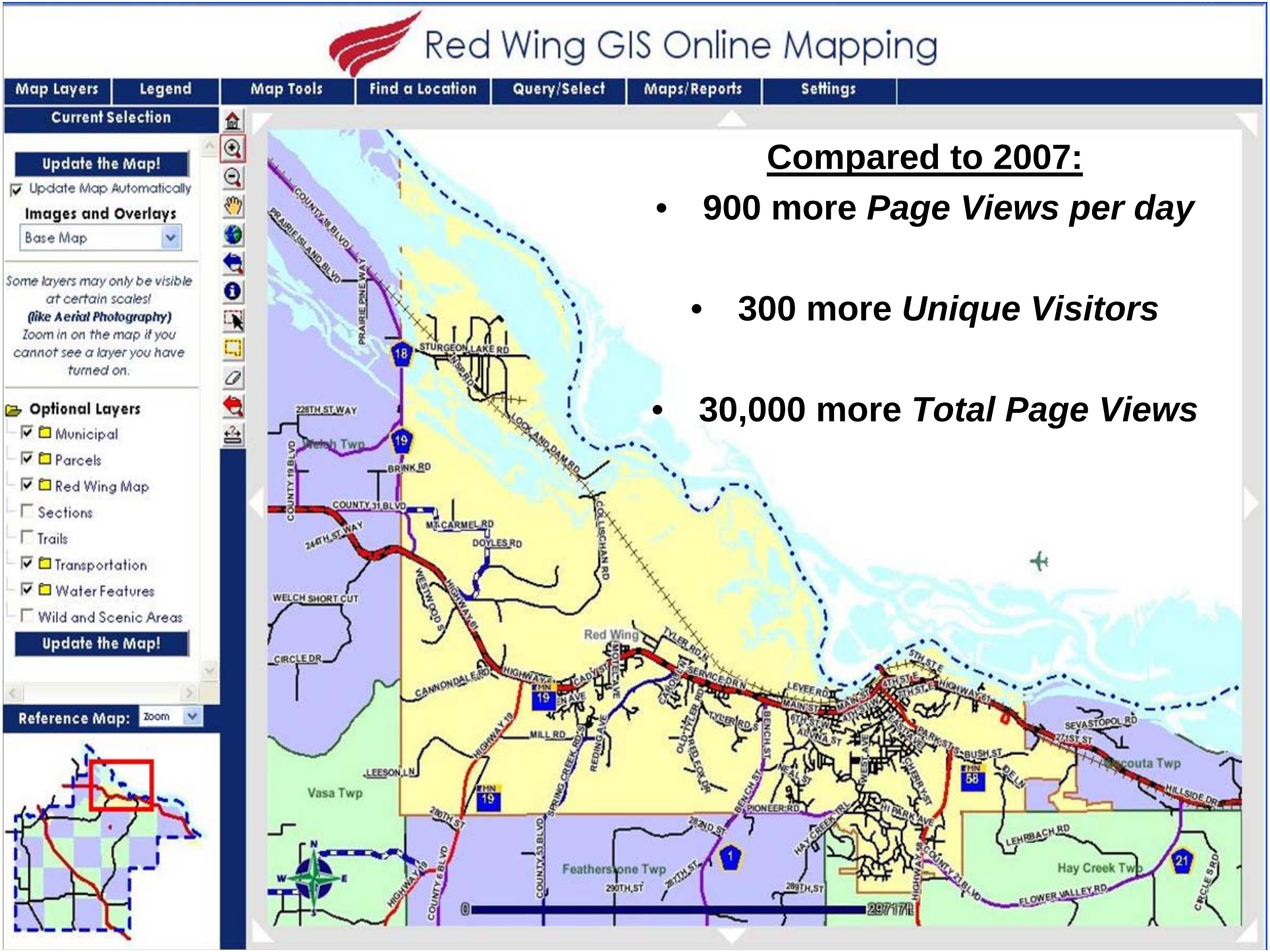
- 38 Requests Total
- 60hrs County Staff Time

Users Group Meetings:

- 11 meetings in 2008

Online Mapping Sites:

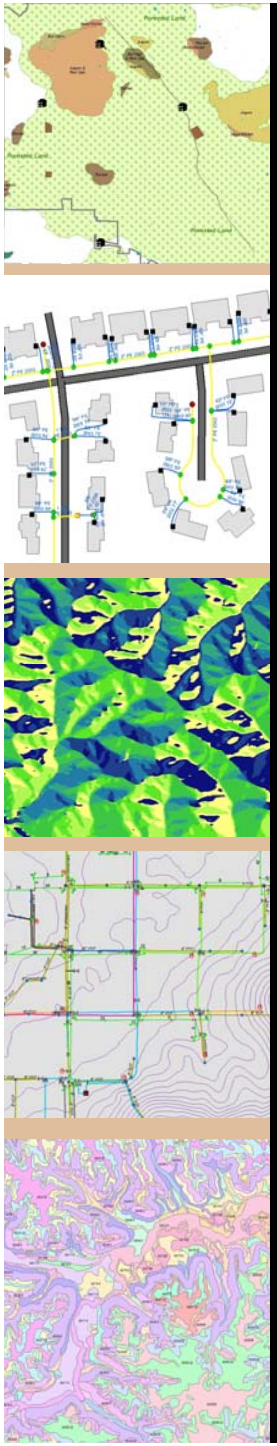
- Periodic updates of the County's Base Data
  - 26 Updates total in 2008



Compared to 2007:

- **900 more *Page Views per day***
- **300 more *Unique Visitors***
- **30,000 more *Total Page Views***

What's Next for the Users Group?



Future Projects:

- 2009 County-wide Color Imagery
- Convert to New Version for Mapping Sites
- Added tools for Mapping Sites:
  - Hover Tool
  - Custom Reports
  - Custom Maps
  - Search Tools
  - More Data

Thank you!