

Wabasha County GIS



Shawn Gertken- Wabasha County GIS

Southeastern Minnesota GIS Users Group
September 15th, 2005

Wabasha County GIS History

- County Assessor and Wabasha County Board began to research the feasibility of a parcel based mapping system for the county in mid 1995
- A GIS project team was developed from representatives from the following county offices:
 - Engineer
 - Assessor
 - Treasurer
 - Recorder
 - Surveyor
 - Sheriff

Wabasha County GIS History

- In March 1996, GISRDC was chosen to develop a pilot project for Oakwood Township at a cost of \$8750
- The Pilot Project would include the following:
 - Section and Quarter-Section Corners
 - Water Features
 - Contours
 - Road Centerlines
 - Parcels
 - Soils

Wabasha County GIS History

- In early 1997, the Oakwood Pilot Project was substantially completed.
- The GIS Project Team was pleased with the results and entered into a contract with GISRDC to complete the balance of the county in three phases.
- Two temporary mapping technicians were hired to assist with the creation of the parcel map in 1999.

Wabasha County GIS History

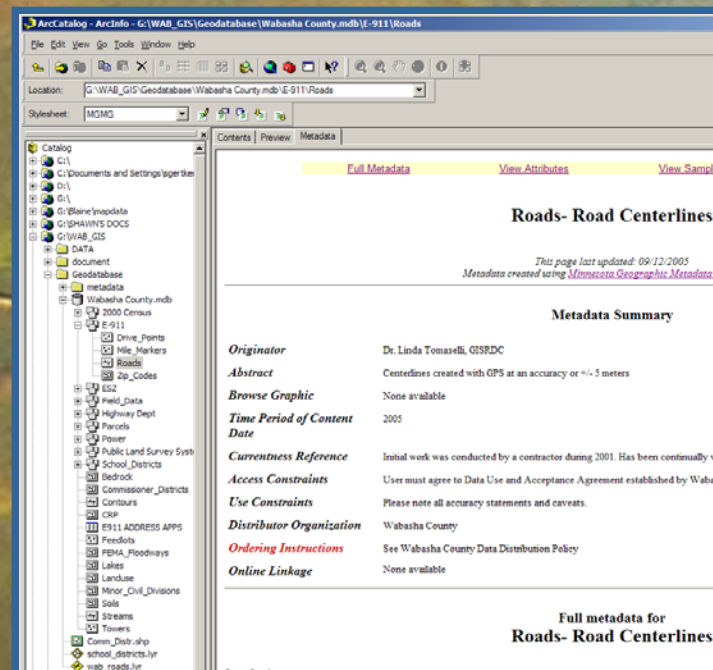
- The Wabasha County Sheriff's Department began working with GISRDC in 2000 on rural addressing.
- First GIS Coordinator was hired in April 2003. He resigned the following November.
- Current GIS Coordinator was hired in May 2004.
- Wabasha County GIS Data Distribution & Fee Schedule approved by Wabasha County Board in January 2005

Wabasha County Data Sources

- GISRDC
- Wabasha County Staff
- LMIC
- FSA
- Minnesota DNR
- US Army Corps of Engineers
- Johnson & Scofield, Inc.

Wabasha County Metadata

- Created by GISRDC in 2004
- Paid for with a grant from the USGS



County			
Wabasha County:			
Wabasha County 1992 DOQ Image Index	Metadata	Graphic	
Wabasha County 1992 Mini-DOQ's	Metadata	Graphic	
Wabasha County 2002 Color FSA Orthophotos by 1/6 Township	Metadata	No Graphic	
Wabasha County 2002 Color FSA Orthophotos by Township	Metadata	Graphic	
Wabasha County TIGER Cities	Metadata	Graphic	
Wabasha County CRP	Metadata	Graphic	
Wabasha County Digital Raster Graphic Images	Metadata	Graphic	
Wabasha County DRG Image Index	Metadata	Graphic	
Wabasha County GPS Centerlines	Metadata	Graphic	
Wabasha County GPS Driveways	Metadata	Graphic	
Wabasha County GPS Intersections	Metadata	Graphic	
Wabasha County GPS Medians	Metadata	Graphic	
Wabasha County Lakes	Metadata	Graphic	
Wabasha County TIGER Minor Civil Divisions (MCD's)	Metadata	Graphic	
Wabasha County Parcels	Metadata	Graphic	
Wabasha County PLS GPS Points	Metadata	Graphic	
Wabasha County PLS Half Section Lines	Metadata	Graphic	
Wabasha County PLS Half Sections	Metadata	Graphic	
Wabasha County PLS Outline File	Metadata	Graphic	
Wabasha County PLS Quarter Section Lines	Metadata	Graphic	
Wabasha County PLS Quarter Sections	Metadata	Graphic	
Wabasha County PLS Quarter-Quarter Section Corners	Metadata	Graphic	
Wabasha County PLS Quarter-quarter Section Lines	Metadata	Graphic	
Wabasha County PLS Quarter-Quarter Sections	Metadata	Graphic	
Wabasha County PLS Section Lines	Metadata	Graphic	
Wabasha County PLS Sections	Metadata	Graphic	
Wabasha County PLS Township	Metadata	Graphic	
Wabasha County Soils	Metadata	Graphic	
Wabasha County Streams	Metadata	Graphic	
Wabasha County TIGER Centerlines	Metadata	Graphic	
Wabasha County TIGER Townships	Metadata	Graphic	

Wabasha County GIS Users

- Direct Users:

- Environmental Services- ArcView 3.2
- Sheriff-ArcExplorer 2.0
- Administration/GIS- ArcInfo/ArcGIS 9.1

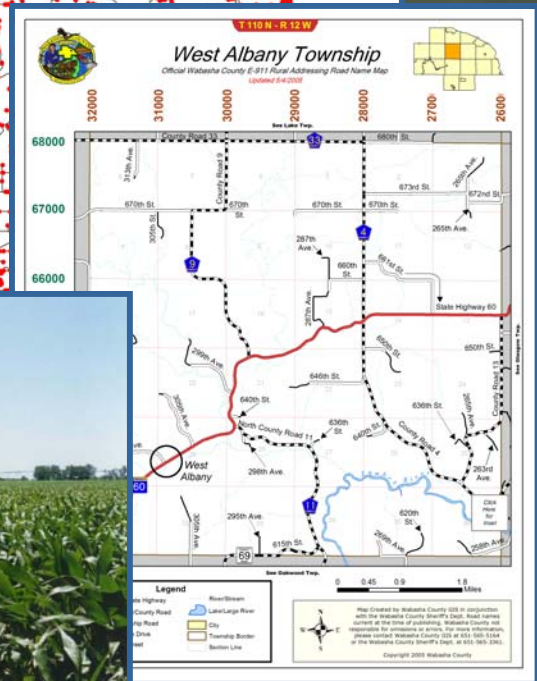
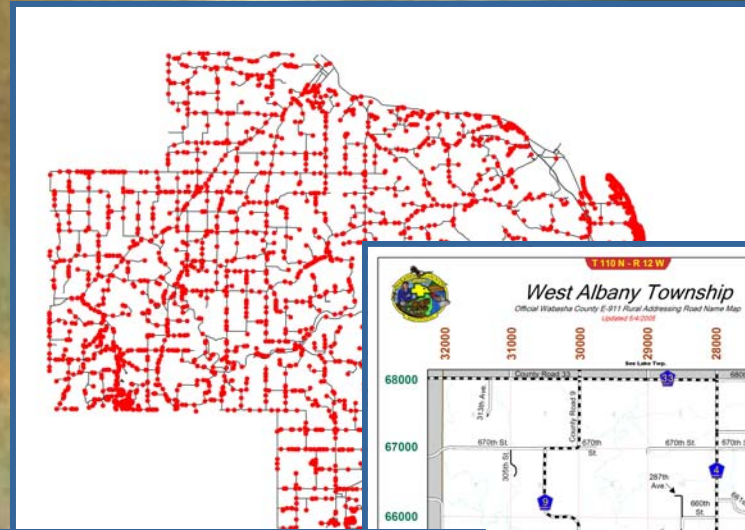
- Indirect Users:

- Auditor/Treasurer
- Assessor
- Recorder
- Engineer

Wabasha Co. GIS Current Projects

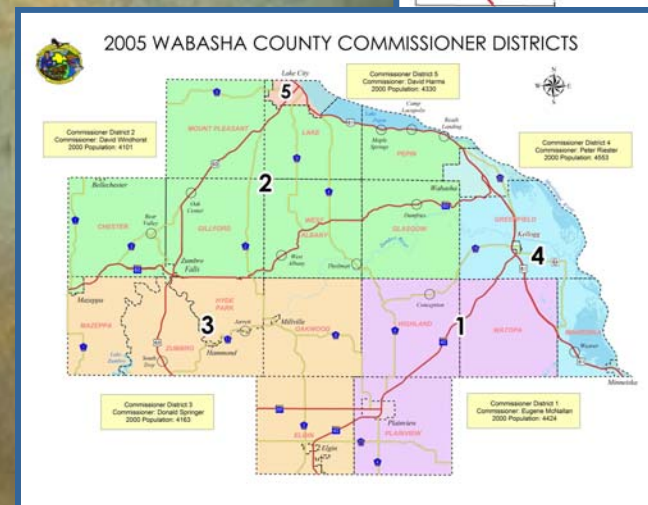
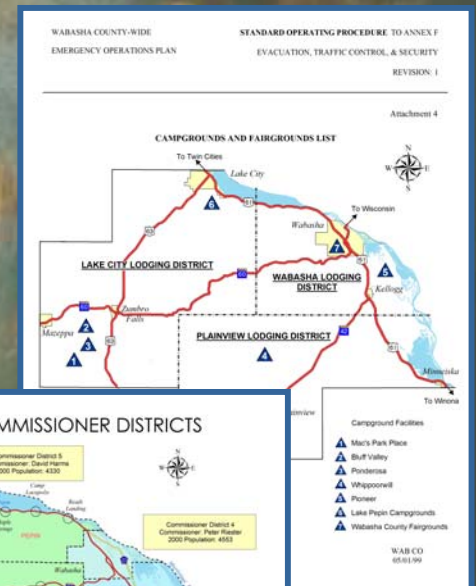
- Finish E-911 Project

- Finish assigning street ranges
- Complete assigning rural addresses
- Assist with MSAG creation
- Create & print emergency maps
- Work with dispatch mapping vendor



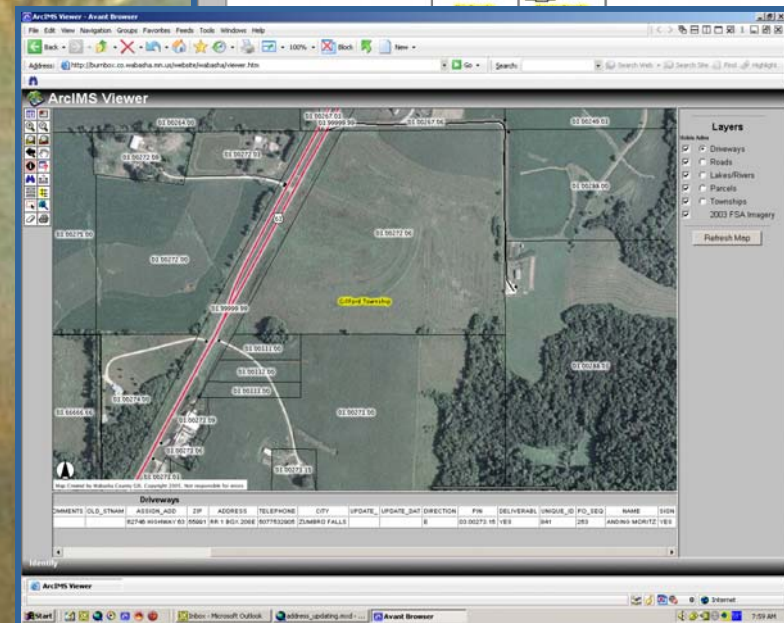
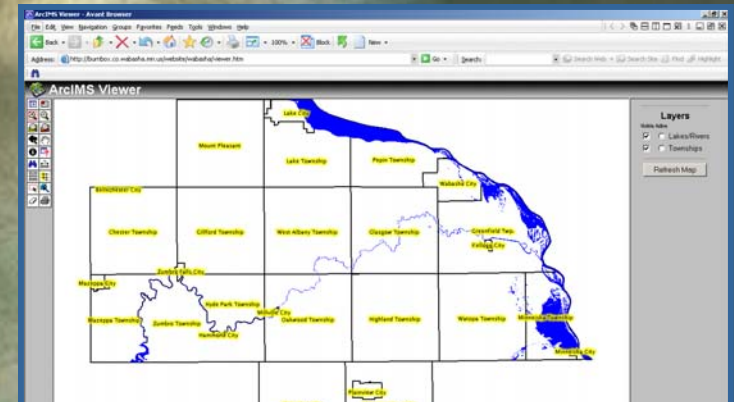
Wabasha Co. GIS Current Projects

- Create hard copy maps as needed
- Provide information to other county departments as well as to the public
- Data acquisition & development
- Determine direction of GIS in Wabasha County



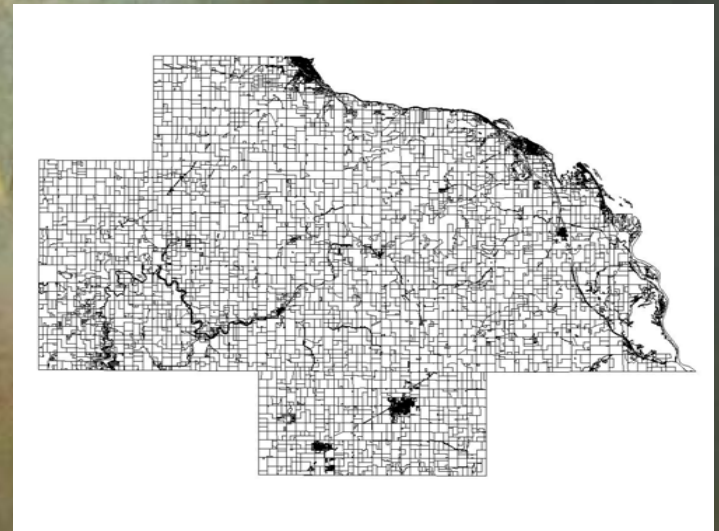
Wabasha Co. GIS Future Projects

- Create Wabasha County ArcIMS Site
 - Proposed \$13,000 in 2006 budget
 - Available to internal users by mid-2006
 - Public access to be determined
 - Integration with Nazca



Wabasha Co. GIS Future Projects

- COGO Parcel Mapping for Greenfield Twp.
- Replaces existing “interim” parcel mapping that was completed in 2003
 - Drawn using head-up digitizing
 - Section corners not accurate
 - Missing and inaccurate information
- Currently testing AVParcel by Cedra
- Will complete other townships as GPS section corners become available



Questions?

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