Riding the Technology Wave

GIS in Blue Earth County, Minnesota
Presenters

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Blue Earth County Assessor

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GIS Project Manager, The Sidwell Company
Project Scope

- Blue Earth County is located in south central Minnesota
- Population – 58,000
- 764 square miles
- 30,000 parcels
- 23 townships
- 11 municipalities
Project Timeline: 1983 - 1990

- Photography
- Digital Line Work
  - CAD environment
- Printing of Maps
  - Outsourced
- Map Maintenance
  - Outsourced
Project Timeline: 1990 - 1999

- Map Maintenance
  - Internal
- Map Printing
  - Internal
- Building the Database
  - Internal
- 1996 New Photography
Project Timeline: 2000

- Mylar Issues
  - Availability
- Printing Issues
  - Blue Print Machines
- Software Application Issues
  - CAD and Database
Where We Are Today

- New Orthophotography
- Conversion to ESRI
  - Issues
  - Moved the Enterprise – data is in SDE
  - Tagged data model
    - Increased efficiency for parcel maintenance
- Applications
  - Parcel Builder
    - Map Printing
  - ArcReader & MapViewer
    - Desktop Maps
    - CAMA
    - Tax
  - FARMS™
    - Application to support the process of farmland assessment
Parcel Builder-MapPlotter™

MapPlotter provides efficient and flexible plat book creation tools.
Tagged Data Model in ArcMap

One Line

Multiple definitions

Simplified and managed by Parcel Builder
Tagged Data Model in the Geodatabase

Definitions are decoded and prioritized.

Table relationships are maintained.

1 Line

5 definitions
FARMS™ Workflow

- Layers
  - Parcels
  - Soils
  - Land Use
Process Parcels
# Blue Earth County Acreage Calculation Report

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Where do we go from here?

- **Enterprise GIS**
  - Move to ArcGIS Server
  - Increase deployment
- **Intranet**
  - Internal Databases
- **Internet**
  - Web Portal Concept
Thank You!

Questions?

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