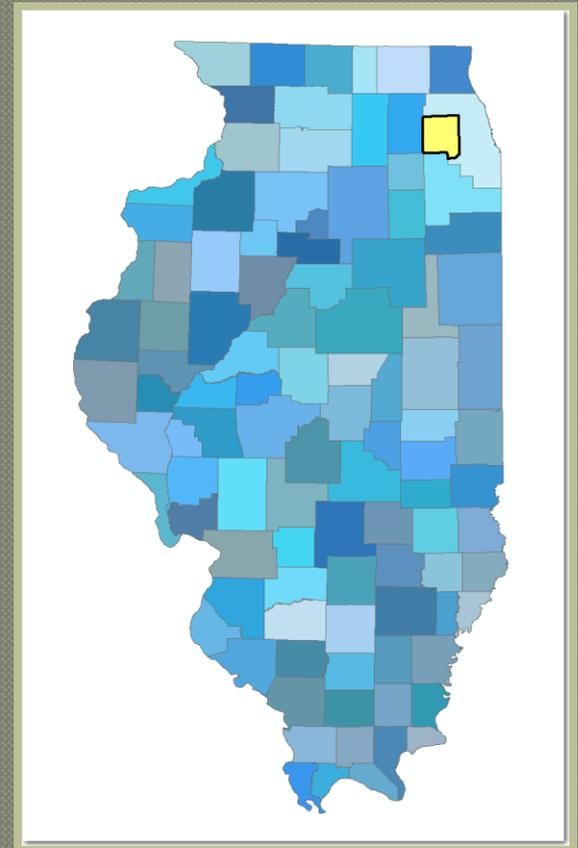


# DuPage County, Illinois 2009 Geospatial Data Partnerships Across Local, State, and Federal Agencies



Presentation to 2009  
NSDI CAP Grant  
Category 7 Group

Bill Faedtke  
Manager of GIS



# Background...

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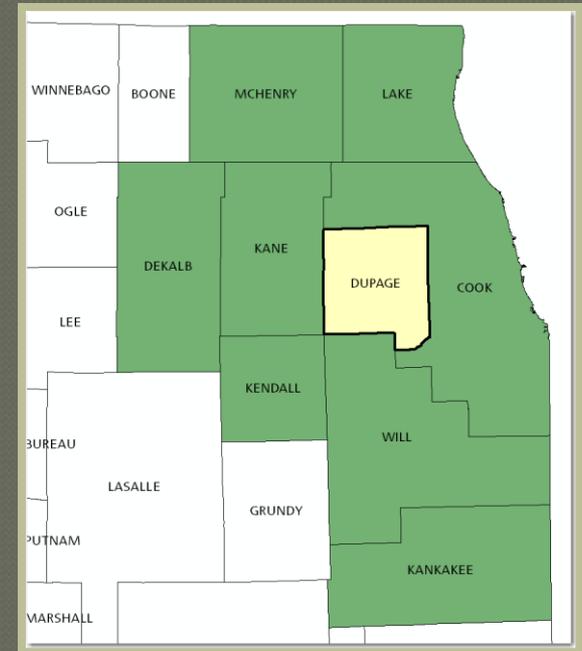
## ◉ DuPage County stats:

- Directly west of the City of Chicago.
- 336 square miles.
- Population of nearly one million people.
- Mature / leading edge GIS program (started in 1983).

# GIS in the Chicago metro area...

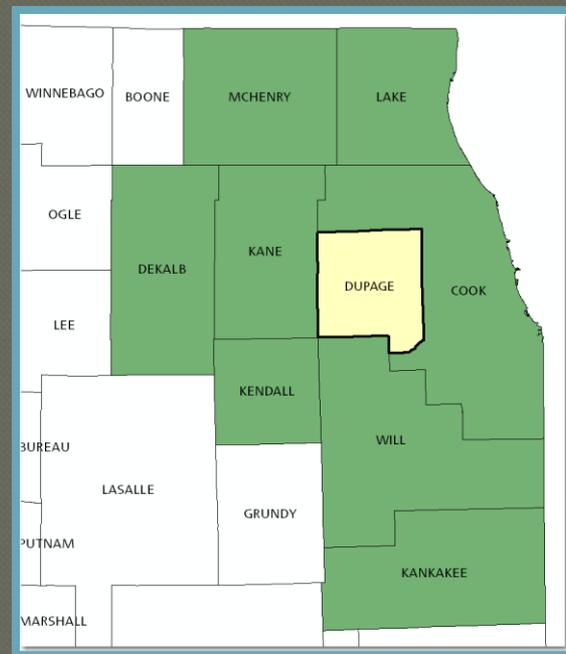
## ○ Northeastern Illinois Counties GIS Consortium (NEIL):

- 9 counties.
- Develop **common standards**.
- **Exchange** standardized data.
- **Share ideas**.
- Provide **backup** in times of disaster.



# Additional needs...

- ◎ **Data Distribution System:**
  - No central access point to data.
- ◎ **Synchronization with State and Federal agencies:**
  - No common data format or scheduled updates.
- ◎ **Data Distribution Policy:**
  - No standard data sharing agreements.
  - Wide variety of costs charged to access the data.



# DuPage County 2009 Geospatial Partnership Program...

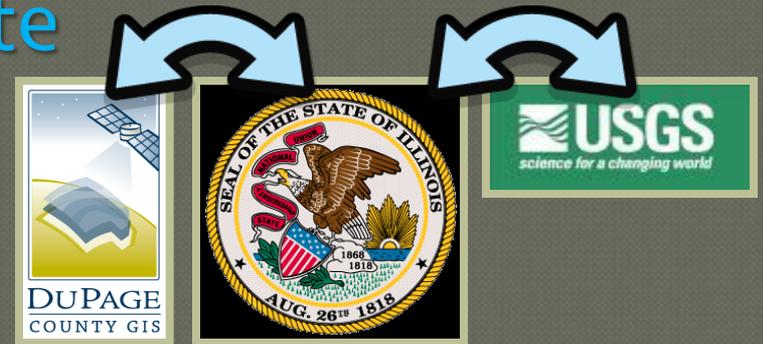
## ○ Data Distribution System:

- Illinois GIS Clearinghouse and the University of Illinois.



## ○ Synchronization with State and Federal agencies:

- Develop data translators and regularly scheduled updates.



## ○ Data Distribution Policy:

- Demonstrate to Policy Makers the benefits of an Open / Standardized GIS Data Policy.





## Illinois Natural Resources Geospatial Data Clearinghouse

University of Illinois at Urbana-Champaign

### A Gateway to Illinois GIS Data Sets and Orthophotography

Access Illinois GIS data sets and documentation (metadata) for ArcIMS Interactive Map Services, USGS digital topographic maps, aerial photography, orthoimagery, orthophotography, geology, land use, natural resources, and infrastructure. Illinois data sets and map data layers are available for download free of charge.

**Aerial Photography and Orthophotography**  
**Illinois Height Modernization Program**  
**USGS Digital Topographic Maps**  
**Illinois Map Data Layers**  
**ArcIMS Interactive Map Services**  
**Software Tools**

### Background

The Illinois Natural Resources Geospatial Data Clearinghouse (Illinois Clearinghouse) is an established node of the National Spatial Data Infrastructure Clearinghouse Network. Hosted by the Illinois State Geological Survey since July 1, 1997, the Illinois Clearinghouse has become the de facto starting point for the GIS and remote sensing user communities in Illinois.

### Project Milestones

The Illinois Clearinghouse was first brought on-line in July of 1997. Since that time, significant data additions have included USGS Digital Raster Graphics (DRGs), 1998-1999 USGS Digital Orthophoto quarter Quadrangles (DOQs), 2000 Orthoimagery for the Des Plaines River Watershed, Illinois Geological Quadrangle (IGQ) digital data products, Illinois Historical Aerial Photographs from 1936 to 1941, 2004 National Agriculture Imagery Program DOQs, 2005 USGS DOQs and 2005 Chicago Urban Area orthoimagery.

#### 2007

10 Year Anniversary of Illinois Clearinghouse, July, 2007

- Access to 27,800 data files and 18,300 aerial photos.
- 35 Terabytes of data provided to customers on demand.
- 1.3 million dollars in support from 40 grants and contracts.

ArcIMS Map Service released July, 2007.

Illinois Historical Aerial Photographs available for 57 counties April, 2007.

#### 1997

Registered Illinois Node with the FGDC July, 1997.

Installed NSDI Isite client/server software for metadata search and retrieval.

Created browse GIF images and export files for available data sets.

Produced Illinois Natural Resources NSDI Clearinghouse web site prototype.

Produced CSDGM compliant metadata for 120+ GIS data sets.

**Dr. Don Luman**  
**Principal Geologist**  
**Illinois State**  
**Geological Survey**

# Synchronization with Local, State, and Federal Agencies...

## Standard Data Distribution in the Chicago metro area:

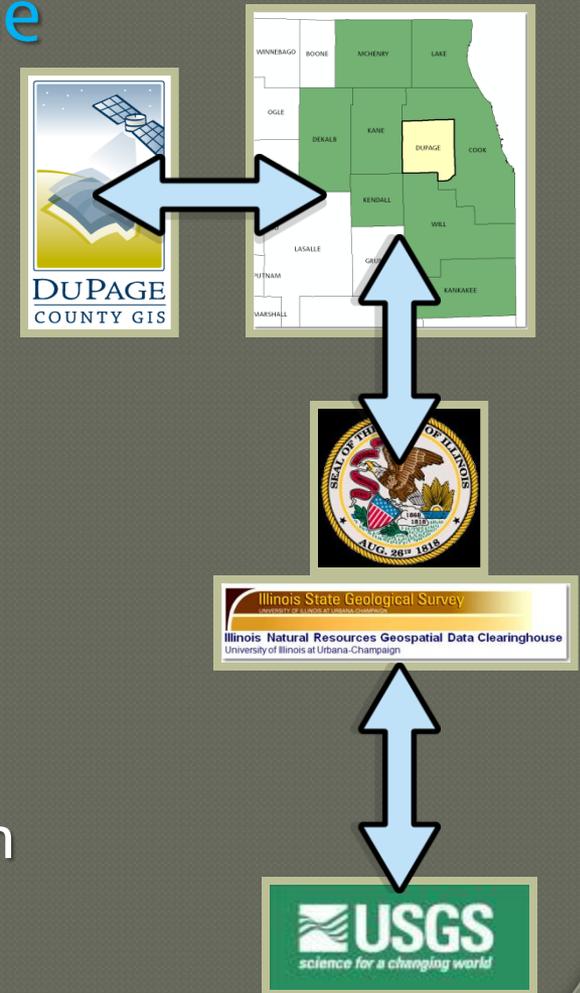
- **NEIL Counties** GIS Consortium.

## Synchronization with State agencies:

- **Don Luman**, University of Illinois.
- **Dan Wilcox**, State of Illinois GIS Coordinator.

## Synchronization with Federal agencies:

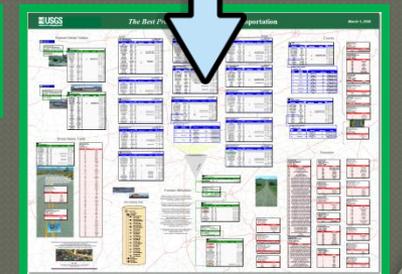
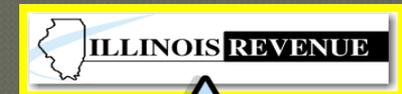
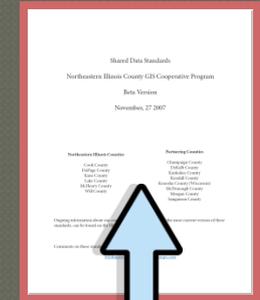
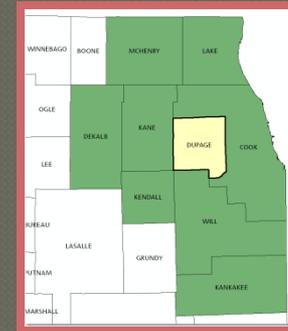
- **Shelley Silch**, USGS Geospatial Liason
- Trans Net, Structures, Boundaries.
- GNIS.



# Synchronization with Local, State, and Federal Agencies...

## Reconcile Local, State, and Federal GIS Data Models:

- NEIL Counties Data Standards.
- State of Illinois agency Standards.
- USGS “Best Practices” data models for transportation, structures, and boundaries.



# Open GIS Data Distribution Policy...

## Proposed DuPage County Open GIS Data Policy:

- No restrictions on Trans Net, Structure, or Boundary data.
- Recommend to County Board Open Policy on all data.

## Regional / State Open Data Policy Initiatives:

- Pursue NEIL Open Data Policy.
- Develop / promote legislation to require open access to GIS data.

