

# State Geospatial Data Coordination Procedure

## Illinois

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### Purpose of the Procedure

Flood insurance studies search for geospatial data during pre-scoping and scoping tasks. If needed data are not available, studies might fund the collection of new data and would like to know about other organizations that might share in these costs. Detailed information about the role geospatial data coordination plays in studies is in the *Geospatial Data Coordination Implementation Guide*, which is available at

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<<https://hazards.fema.gov/femaportal/docs/GeoDataImplem.pdf>>, and in *Scoping Guidelines: Pre-scoping and the Scoping Meeting*, which is available through the Regional Management Center (RMC).

Resources developed through FEMA's geospatial data coordination activities provide information about data and contacts for organizations that have geospatial data that cover large areas (like states) in which many studies are interested. Studies can avoid wasting time with dead-end searches and cold calls by starting with these proven sources of information.

One resource is this Geospatial Data Coordination Procedure. It outlines sources of geospatial data and contact information, preferences for base map data and state geospatial participation in studies, and other useful information for the State.

If you have questions about this procedure or other geospatial data coordination resources, contact the geospatial data coordination lead in your Regional Management Center:

Hans A. Anderson, Geospatial Data Coordination Lead  
Regional Management Center 5  
(312) 575-3927  
[hans.anderson@mapmodteam.com](mailto:hans.anderson@mapmodteam.com)

We appreciate the help of those who reviewed this document, in particular

Name

Organization

Phone

Email

Date Procedure discussed: <Not Reviewed>

## Default Flood Hazard Base Map for the State

The default base map for flood hazard maps for the State is an image base map (orthophoto).

## Geospatial Data Coverage

Find below information about and links to statewide (and Federal agencies' national) geospatial datasets. The list is provided to save time during pre-scoping and scoping activities when building a list of candidate geospatial datasets available for the study; it is not a prescription of datasets that must be used in a flood insurance study.

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## Major State Holdings

### *Orthophotos*

Dataset name: Illinois State Digital Orthophoto Quadrangles

Data currentness: 2005

Accuracy/Scale: 1:12,000

Ground sample resolution: 1.5 foot

Horizontal datum: NAD 83

Fee associated? No

Available for redistribution? Yes

Dataset source: Compressed data are available from the Illinois Natural Resources Geospatial Data Clearinghouse hosted by the Illinois State Geological Survey at <http://www.isgs.uiuc.edu/nsdihome>; Uncompressed data from the Illinois State Library.

Dataset contact: Illinois State Geological Survey, Sheena Beaverson, (217) 244-9306, [beavrsn@isgs.uiuc.edu](mailto:beavrsn@isgs.uiuc.edu)

### *Transportation (roads, railroads, and airports)*

Dataset name: Illinois Streets and Highways at 1:100,000 in Illinois by County

Data currentness: 1994

Accuracy/Scale: 1:100,000 analog map based on USGS National Map Accuracy Standards.

Horizontal datum: NAD 27

Fee associated? No

Available for redistribution? No; requires permission of the appropriate custodial division within the Illinois Department of Natural Resources.

Are road names part of the dataset? Yes

Dataset source: Illinois Natural Resources Geospatial Data Clearinghouse hosted by the Illinois State Geological Survey at <http://www.isgs.uiuc.edu/nsdihome>

Dataset contact: Illinois State Geological Survey, Information Office, (217) 333-4747, [isgs@isgs.uiuc.edu](mailto:isgs@isgs.uiuc.edu)

Notes:

### *Hydrography (rivers, streams, lakes, and shorelines)*

Dataset name: National Hydrography Datasets (NHD)

Data currentness: 1999

Accuracy/Scale: 1:100,000 and 1:24,000

Horizontal datum: NAD83

Fee associated? No

Available for redistribution? Yes

Are hydrography names part of the dataset? Yes

Dataset source: USGS at <http://nhd.usgs.gov/>

Dataset contact: [NHD@usgs.gov](mailto:NHD@usgs.gov)

Notes: Same as National Dataset. Currentness and accuracy varies. Individual counties may have accurate up to date hydrography file. Contact state/local GIS department.

### *Political boundaries (county, municipal)*

Dataset name: Illinois County Boundaries

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Data currentness: 1984; 1998 (Please refer to Notes section below)

Accuracy/Scale: 1:62,500 and 1:24,000

Horizontal datum: NAD 83

Fee associated? No

Available for redistribution? No; requires permission of the appropriate custodial division within the Illinois Department of Natural Resources.

Dataset source: Illinois Natural Resources Geospatial Data Clearinghouse hosted by the Illinois State Geological Survey at <http://www.isgs.uiuc.edu/nsdihome>

Dataset contact: Illinois State Geological Survey, Information Office (217) 333-4747, [isgs@isgs.uiuc.edu](mailto:isgs@isgs.uiuc.edu)

Notes: Data were digitized from USGS 7.5 minute and 15 minute topographic maps available circa 1984. Range of dates of those source maps is unknown.

## *Public land survey system (PLSS) (township and section lines)*

Dataset name: Illinois Public Land Survey System

Data currentness: 2003

Accuracy/Scale: 1:62,500 and 1:24,000

Horizontal datum: NAD 83

Fee associated? Yes; please refer to Notes section below.

Available for redistribution? No; requires permission of the appropriate custodial division within the Illinois Department of Natural Resources.

Dataset source: Illinois Natural Resources Geospatial Data Clearinghouse hosted by the Illinois State Geological Survey at <http://www.isgs.uiuc.edu/nsdihome>

Dataset contact: Illinois State Geological Survey, Information Office (217) 333-4747, [isgs@isgs.uiuc.edu](mailto:isgs@isgs.uiuc.edu)

Notes: State, county, and township and range boundaries, and the associated attribute data can be downloaded free of charge, but Section boundary data are available for a fee.

## *Cadastral (parcels)*

No state coverage available; data may be available from the counties.

## *Terrain (elevation)*

Dataset name: Digital Elevation Model (DEM) of Illinois at 1:250,000

Data currentness: 1995

Accuracy/Scale: 1:250,000

Vertical datum: not stated

Fee associated? No

Available for redistribution? No; requires permission of the appropriate custodial division within the Illinois Department of Natural Resources.

Dataset source: Illinois Natural Resources Geospatial Data Clearinghouse hosted by the Illinois State Geological Survey at <http://www.isgs.uiuc.edu/nsdihome>

Dataset contact: Illinois State Geological Survey, Information Office (217) 333-4747, [isgs@isgs.uiuc.edu](mailto:isgs@isgs.uiuc.edu)

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## *Data Distribution Process for State Data*

Complete list of Online Illinois Data is available at <http://www.isgs.uiuc.edu/nsdihome> , the Illinois Natural Resources Geospatial Data Clearinghouse hosted by the Illinois State Geological Survey. Reproduction or re-distribution of copyrighted digital data sets or products derived there from outside of licensee's organization or entity is expressly forbidden. The only exception is redistribution to consultants working for the licensee, and then only for purposes, related to work for the licensee. Such consultants may not further reproduce or redistribute these data sets. None of these data shall be electronically duplicated on magnetic or optical media for use by others, in whole or part, without permission of the appropriate custodial division within the Department of Natural Resources (DNR).

Compressed Illinois 2005 orthoimagery files are in the public domain free-of-charge at <http://www.isgs.uiuc.edu/nsdihome> . Uncompressed Illinois 2005 orthoimagery files are available in the public domain for a small fee on CD-ROM from the Illinois State Library.

## Federal Nationwide Geospatial Data Holdings

Information about nationwide holdings and programs of Federal agencies is available from the Mapping Information Platform web site at <https://hazards.fema.gov/femaportal/docs/ProgFacts.pdf>.

## Finding and Accessing Other Existing Geospatial Data

Find below information about and links to ways of searching for additional geospatial data available for the State. These capabilities can be useful for finding geospatial data other than the statewide and Federal data listed above, including those of special governments, counties and parishes, municipalities, tribes, universities, and other organizations.

## Clearinghouses and Inventories for the State

- Illinois Natural Resources Geospatial Data Clearinghouse hosted by the Illinois State Geological Survey at <http://www.isgs.uiuc.edu/nsdihome>
- GIS Pilot at <http://www.gispilot.com/States/Illinois.html>
- Illinois Atlas at <http://IllinoisAtlas.com>
- U.S. Fish and Wildlife Service at <http://www.fws.gov/data/statdata/ildata.html>

## National Digital Orthophoto Program (NDOP) and National Digital Elevation Program (NDEP) Tracking Systems

These systems allow the search of orthophoto and elevation project information entered by federal and other organizations. To access the NDOP system, go to the NDOP web site at

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<<http://www.ndop.gov>> and follow the link “Project Tracking.” For the NDEP system, go to the NDEP web site at <<http://www.ndep.gov>> and follow the link “Project Tracking.”

## TED Query Tool

This tool provides access to information about Federal, state, and local government agency and private sector data holdings gathered by the Census Bureau. It is available through the geospatial data coordination lead at the Regional Management Center.

## Geospatial One-Stop

Geospatial One-Stop, available at <<http://www.geodata.gov>>, provides access to geospatial data from many sources. Two parts of the site that should be investigated are the “data categories” for existing data and the “marketplace” for data that are planned or in-work and for potential partners for new data collection activities.

## Working with People

### Useful State and Federal Contacts

The main contacts for the State’s geospatial activities and Federal agencies’ representatives in State are available on the Mapping Information Platform web site at <<https://hazards.fema.gov/contacts/statecontacts/contacts.asp?page=IL>>

### Involving the State’s Geospatial Coordinator in Flood Studies

The state geospatial coordinator prefers to be contacted to participate in the FEMA flood hazard mapping effort. Contact Sheryl Oliver, Illinois Department of Natural Resources, One Natural Resources Way, Springfield, IL 62704; phone 217-785-8586; [Sheryl.oliver@illinois.gov](mailto:Sheryl.oliver@illinois.gov).

### State Coordination Process for Building Geospatial Partnerships

The Illinois GIS Council (CGC), at <http://www.illinois.gov/ilgic/>, is made up of representatives from local, tribal, state, and federal government agencies and the private sector, and collaborates on the planning, implementation, and maintenance of an Illinois GIS infrastructure. The term infrastructure is used to encompass systems, organizational programs, policy, standards, procedures, and any other factors that affect the ability of member organizations to jointly develop or acquire, share, and maintain spatial data adequate to their needs.

A key element of the CGC is the formation and participation of local collaborative (e.g. Regional GIS Councils). Composed of representatives of county, city, and tribal governments, resource conservation and other special districts, private and public utilities,

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local colleges and universities, and private sector organizations, these regional collaborative are essential to council success.

## Finding Local Geospatial Contacts

Local contacts, including those from special government districts (for example, a regional planning commission); counties, parishes, or equivalent governments; tribes, municipal governments; and other organizations (for example, local universities) also have geospatial data that can help a flood insurance study. Contact information is available from the FEMA archive and web searches at government link portals such as <<http://www.statelocalgov.net>>.

The Illinois GIS Association at <http://www.ilgisa.org>, has a membership list which includes many county and municipal representatives. The contact is Sherrie Taylor at [taylor@niu.edu](mailto:taylor@niu.edu); Regional Development Institute, Northern Illinois University, DeKalb, IL 60115; phone: (815) 753-0925.

## Provide Feedback on This Procedure

When you find information in this Procedure or in other FEMA or State resources that are outdated, please tell the geospatial data coordination lead in the Regional Management Center what was wrong and the correct information (if you know it). Use the contact information for the lead listed in the section Purpose of the Procedure.

The lead will use your feedback to update this Procedure.