

State Geospatial Data Coordination Procedure

Wisconsin

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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 <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).

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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:

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

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Procedure discussed: March 15, 2007

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.

Major State Holdings

Orthophotos

Dataset name: Wisconsin 2005 NAIP Orthophoto Projects
Data currentness: 2005
Accuracy/Scale: 1:12,000
Ground sample resolution: 1 meter pixel

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Horizontal datum: NAD 83

Fee associated?: No.

Available for redistribution?: Redistribution policy not available.

Dataset source: WisconsinView at <http://www.wisconsinview.org/>

Dataset contact: State Cartographer's Office, 550 N. Park Street, Room 384, Science Hall, Madison, WI 53706-1491; (608) 262-3065; <http://www.sco.wisc.edu/>

Notes: (1) More than two-third's of the state's counties have acquired their own digital photography at resolutions ranging from six inches to three feet. See

<http://www.sco.wisc.edu/imagery/status.php>

(2) NAIP imagery has many uses, and many states participate in NAIP. NAIP is leaf-on imagery and is not cloud-free, and so the ground might be obscured. So, while NAIP (and other such imagery) can be used as a base maps, the imagery must be checked to ensure that it provides a clear view of important features on the ground for areas of significance for flooding (see Appendix C of the Geospatial Data Coordination Implementation Guide for more discussion).

Transportation (roads, railroads, and airports)

Dataset name: Wisconsin Roads 2000 TIGER line files

Data currentness: 2000

Accuracy/Scale: 1:100,000

Horizontal datum: North American Datum 1983 with the 1991 adjustment

Fee associated? Yes

Available for redistribution? There are no distribution constraints on this data layer.

Are road names part of the dataset? Yes.

Dataset source: Office of Land Information Services, Wisconsin Department of Administration

Dataset contact: Office of Land Information Services, Wisconsin Department of Administration; P.O. Box 1645; Madison, WI 53701-1645; (608) 267-7800

GIS.services@doa.state.wi.us

Notes: Original data from 2000 TIGER Line Files, U.S. Census Bureau. This data layer is for use in generalized mapping applications. The level of accuracy does not support detailed local analysis. The data layer is intended for use with GIS software.

Hydrography (rivers, streams, lakes, and shorelines)

Dataset name: Wisconsin Rivers & Shorelines from 1:24,000-scale sources.

Data currentness: 2004

Accuracy/Scale: 1:24,000.

Horizontal datum: NAD83 HARN

Fee associated?: No.

Available for redistribution? Yes

Are hydrography names part of the dataset? Yes.

Dataset source: Wisconsin Department of Natural Resources (WiDNR), Enterprise Data Management Section, P.O. Box 7921, Madison, WI 53707; (608) 264-8916;

<http://www.dnr.state.wi.us/maps/gis/geolibrary.html>

Dataset contact: Wisconsin DNR, Bureau of Technology Services

Bradley Duncan, GIS Data Specialist; (608) 264-8916, Bradley.Duncan@dnr.state.wi.us

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Political boundaries (county, municipal)

Dataset name: Wisconsin County Boundaries.

Data currentness: 2004

Accuracy/Scale: 1:24,000.

Horizontal datum: NAD 83, 1991 adjustment.

Fee associated?: No.

Available for redistribution? Redistribution policy not available.

Dataset source: Wisconsin Department of Natural Resources (WiDNR), Enterprise Data Management Section, P.O. Box 7921, Madison, WI 53707; (608) 264-8916.

<http://www.dnr.state.wi.us/maps/gis/geolibrary.html>

Dataset contact: John Laedlein, GIS Data Specialist; (608) 264-8916,

John.Laedlein@dnr.state.wi.us

Publicly owned lands (national, state, and local parks, forests, etc)

No statewide coverage available.

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

Dataset name: Wisconsin PLSS Sections from 1:24K Landnet; Wisconsin PLSS Townships from 1:24K Landnet.

Data currentness: 1996

Accuracy/Scale: 1:24,000

Horizontal datum: PLSS Sections – NAD83 HARN; PLSS Townships –NAD83, 1991 adjustment.

Fee associated?: No.

Available for redistribution? Redistribution policy not available.

Dataset source: Wisconsin Department of Natural Resources (WiDNR), Enterprise Data Management Section, P.O. Box 7921, Madison, WI 53707; (608) 264-8916;

<http://www.dnr.state.wi.us/maps/gis/geolibrary.html>

Dataset contact: John Laedlein, GIS Data Specialist; (608) 264-8916,

John.Laedlein@dnr.state.wi.us

Cadastral (parcels)

No statewide coverage available.

Terrain (elevation)

Dataset name: Digital Elevation Model of Wisconsin (DEMGW930)

Data currentness: 2000

Accuracy/Scale: 1:24,000 30 meter pixel resolution

Vertical datum: NGVD 29

Fee associated? No.

Available for redistribution? Yes

Dataset source: Wisconsin Department of Natural Resources (WiDNR), P.O. Box 7921, Madison, WI 53707; (608) 264-8916;

<http://www.dnr.state.wi.us/maps/gis/geolibrary.html>

Dataset contact: Wisconsin Department of Natural Resources (WiDNR), John Laedlein, GIS Data Specialist; (608) 264-8916, John.Laedlein@dnr.state.wi.us

Notes: The spatial extent this data layer is the state of Wisconsin, plus a buffer around the

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perimeter extending approximately 5,000 meters beyond the state boundary. The DEM includes elevation values every 30 meters or 98.4 feet. Elevation units are in meters. ArcView with the Spatial Analyst Extension, ArcInfo/ArcGIS Grid, or comparable GIS software is needed to use the Grid format data meaningfully.

Data Distribution Process for State Data

No State Data Distribution Policy is in place according to the State's 2006 summary report to the National States Geographic Information Council. The Department of Natural Resources provides their policy at

<http://www.dnr.state.wi.us/org/legal/WebsiteLegalInformation.html>.

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

- State Cartographer's Office at <http://www.sco.wisc.edu/>
- Wisconsin DNR at <http://dnr.wi.gov/maps/gis/appwebview.html>
- Wisconsin View at <http://www.wisconsinview.org/>

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 <<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.

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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=WI>

Involving the State’s Geospatial Coordinator in Flood Studies

In order to participate in the FEMA flood hazard mapping effort, please contact Robert Watson, Wisconsin State NFIP Coordinator, Wisconsin Dept. of Natural Resources, 101 S. Webster, Madison, WI 53702; (608) 266-8039; robert.watson@wisconsin.gov or Amanda Schwoegler, State Flood Mapping Coordinator at (608) 267-7571; amanda.schwoegler@wisconsin.gov.

State Coordination Process for Building Geospatial Partnerships

The establishment of a statewide council is under study. Several state agencies and the USGS geospatial liaison in the State have responsibilities to organize partnerships.

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 Wisconsin Land Information Officers (LIOs) Network is to provide a forum for communication and knowledge sharing geared toward making county LIOs more successful in implementing the Wisconsin Land Information Program. See <http://www.co.dane.wi.us/lio/lion/index.asp>.

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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 and redistribute this Procedure.