

State Geospatial Data Coordination Procedure

Ohio

Table of Contents

Table of Contents	1
Purpose of the Procedure.....	1
Default Flood Hazard Base Map for the State.....	2
Geospatial Data Coverage	2
Major State Holdings	2
Orthophotos	2
Transportation (roads, railroads, and airports)	3
Hydrography (rivers, streams, lakes, and shorelines).....	3
Political boundaries (county, municipal).....	4
Publicly owned lands (national, state, and local parks, forests, etc).....	4
Public land survey system (PLSS) (township and section lines).....	4
Terrain (elevation).....	5
Data Distribution Process for State Data	5
Federal Nationwide Geospatial Data Holdings.....	5
Finding and Accessing Other Existing Geospatial Data	5
Clearinghouses and Inventories for the State.....	6
National Digital Orthophoto Program (NDOP) and National Digital Elevation Program (NDEP) Tracking Systems	6
TED Query Tool	6
Geospatial One-Stop	6
Working with People.....	6
Useful State and Federal Contacts	6
Involving the State’s Geospatial Coordinator in Flood Studies.....	7
State Coordination Process for Building Geospatial Partnerships.....	7
Finding Local Geospatial Contacts.....	7
Provide Feedback on This Procedure	7

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).

State Geospatial Data Coordination Procedure

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

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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 the 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: Ohio Statewide Imagery Program (OSIP)

Data currentness: 2006 for northern half of state; 2007 for southern half of state (still in development).

Accuracy/Scale: 1:200 ft; +/- .5 ft.

Ground sample resolution: 1 foot pixel

State Geospatial Data Coordination Procedure

Horizontal datum: NAD 83; US Survey Foot; Ohio has been divided into two zones, North and South. OSIP data products for each county will be available the respective zone.

Fee associated? No.

Available for redistribution? Redistribution policy not available.

Dataset source: Ohio Geographically Referenced Information Program (OGRIP)

Dataset contact: Jeff Smith, Ohio Spatial Framework Data Manager

GIS Support Center - Ohio Office of Information Technology/Service Delivery Division/
Enterprise Shared Services; (614) 466-4747; jeff.smith@ohio.gov

Notes: Northern half available June 2007; Southern half still under development.

Anticipated availability March 2008; Ohio has access to NAIP 04, NAIP 05, NAIP 06 and USGS DOQQ circa 1998.

Transportation (roads, railroads, and airports)

Dataset name: ODOT Roadway Inventory

Data currentness: Updates annually

Accuracy/Scale: Digitized from 1:24,000 scale USGS Quad sheets

Horizontal datum: NAD 83, meters

data is referenced to State plane coordinates, South Zone.

Fee associated? No.

Available for redistribution? Redistribution policy not available.

Are road names part of the dataset? Yes

Dataset source:

http://www.dot.state.oh.us/techservsite/availpro/GIS_Mapping/gisproducts.htm

Dataset contact: Dave Blackstone, Manager, ODOT/Office of Technical Services; (614) 466-2594; Dave.Blackstone@dot.state.oh.us

Dataset name: Location Based Response System (LBRS)

Data currentness: 2006; updates annually

Accuracy/Scale: +/- 1 meter

Horizontal datum: NAD 83, feet

Fee associated? No.

Available for redistribution? Redistribution policy not available.

Are road names part of the dataset? Yes

Dataset source: <http://geodata.oit.ohio.gov/metadataexplorer/explorer.jsp>

Dataset contact: Jeff Smith, Ohio Spatial Framework Data Manager

GIS Support Center - Ohio Office of Information Technology/Service Delivery Division/
Enterprise Shared Services; (614) 466-4747; jeff.smith@ohio.gov

Hydrography (rivers, streams, lakes, and shorelines)

Dataset name: National Hydrography Dataset

Data currentness: 1999-2006

Accuracy/Scale: 1:24,000 scale

Horizontal datum: NAD 83

Fee associated? No.

Available for redistribution? Redistribution policy not available.

Are hydrography names part of the dataset? Yes.

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

Dataset contact: nhd@usgs.gov

State Geospatial Data Coordination Procedure

Political boundaries (county, municipal)

Dataset name: County Boundaries - Statewide

Data currentness: 1999

Accuracy/Scale: 1:24,000 scale; digitized from USGS 7.5 Minute Quads; positional accuracy of 40 feet.

Horizontal datum: NAD 83, data is referenced to State plane coordinates, counties available in respective zones.

Fee associated? No

Available for redistribution? Redistribution policy not available.

Dataset source: Ohio Department of Natural Resources, Office of Information

Technology; available online at <http://www.dnr.state.oh.us/gims/> or

<http://geodata.oit.ohio.gov/metadataexplorer/explorer.jsp>

Dataset contact: David Crecelius, GIMS Administrator, Office of IT; (614) 265-6776;

dave.crecelius@dnr.state.oh.us

Notes: These files were developed from the 1:24K DLG boundary layer; a few instances with hand digitizing where small missing line segments were found. For details, please go to <http://www.dnr.state.oh.us/gims/>.

Dataset name: School District Boundaries - Statewide

Data currentness: 2005

Accuracy/Scale: Varies

Horizontal datum: NAD 83, data is referenced to North American Geographic Coordinate System Decimal Degrees.

Fee associated? No.

Available for redistribution? Redistribution policy not available.

Dataset source: Ohio Department of Education/OGRIP

<http://geodata.oit.ohio.gov/metadataexplorer/explorer.jsp>

Dataset contact: Brad Gregg, Data Manager, Superintendent, Ohio Department of Education; (614)752-8731; Brad.Gregg@ode.state.oh.us

Notes: These files were developed from the 1:100K TIGER School District boundary layer; The layer has been maintained using locally developed data through OGRIP and Cleveland State University and provided to the Department of Census for their School District Boundary updates.

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

Dataset name: DNR State Lands

Data currentness: 2006

Accuracy/Scale: Varies

Horizontal datum: NAD 83

Fee associated? No

Available for redistribution? Redistribution policy not available

Dataset source: Department of Natural Resources

Dataset contact: David Crecelius, GIMS Administrator, Office of IT; (614) 265-6776;

dave.crecelius@dnr.state.oh.us

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

Dataset name: Township Boundaries

Data currentness: 2002.

State Geospatial Data Coordination Procedure

Accuracy/Scale: 1:62,500 scale; derived from the Map of Ohio showing original land subdivisions. A positional accuracy of + - 40-100 feet exists. The PLSS subdivisions contain townships, ranges, and sections.

Horizontal datum: NAD 83

Fee associated? No.

Available for redistribution? Redistribution policy not available.

Dataset source: <http://www.dnr.state.oh.us/gims/>

Dataset contact: David Crecelius, GIMS Administrator, Office of IT; (614) 265-6776; dave.crecelius@dnr.state.oh.us

Terrain (elevation)

Dataset name: Ohio 10 Meter Digital Elevation Model

Data currentness: 2004

Accuracy/Scale: 1:24,000 scale; 7.5 Minutes USGS DEM data in SDTS format.

Vertical datum: NAVD 88

Fee associated? No.

Available for redistribution? Redistribution policy not available.

Dataset source: Available online at ftp://ftp-gis.epa.state.oh.us/gisdepot/gisdata/derr/ohio_10meter_dem.zip or <http://geodata.oit.ohio.gov/metadataexplorer>

Dataset contact: Brian Gara, Ohio EPA; 614-644-2001

Notes: The Ohio Elevation Dataset was generated by merging individual DLG 7.5-minute quadrangle contours into shapefiles 20 - 30 quadrangles in size, gridding the results, and mosaicking the individual grids into a single statewide 10-meter gridded file.

Data Distribution Process for State Data

Currently the processes vary from state agency to state agency. OGRIP is positioning GIServOhio to be the central repository for spatial metadata. GIServOhio is a service-oriented architecture to deliver spatial data resources, applications and services to end users and client applications. GIServOhio can be access through <http://geodata.oit.ohio.gov/metadataexplorer/explorer.jsp>.

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 the 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.

State Geospatial Data Coordination Procedure

Clearinghouses and Inventories for the State

Ohio Department of Natural Resources: Geographic Information Management System (GIMS) is a term used by the ODNR to describe a collection of related technologies used to manage spatial data. The goal of the GIMS program is to provide natural resource information to the public in a more efficient and effective manner. Please refer to <http://www.dnr.state.oh.us/gims/default.htm> for additional details.

GIServOhio: GIServOhio is a service-oriented architecture to deliver spatial data resources, applications and services to end users and client applications. GIServOhio consists of hardware and software to deliver these services. It can be accessed through <http://geodata.oit.ohio.gov/metadataexplorer/explorer.jsp>

Ohio Department of Transportation: See http://www.dot.state.oh.us/techservsite/availpro/GIS_Mapping/gisproducts.htm

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.

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=OH>

State Geospatial Data Coordination Procedure

OGRIP (Ohio Geographically Referenced Information Program) Council serves as the primary coordinating body for spatial and geographic information initiatives between federal, state, regional, and local governments. Please refer to <http://www.oit.ohio.gov/SDD/ESS/Ogrip/Index.aspx> for additional details.

Involving the State's Geospatial Coordinator in Flood Studies

In order to participate in the FEMA flood hazard mapping effort, please contact Cynthia Crecelius, CFM, Ohio Department of Natural Resources, Division of Water, 1939 Fountain Sq. Dr., Columbus, OH 43224; phone (614) 265-6750; cindy.crecelius@dnr.state.oh.us

State Coordination Process for Building Geospatial Partnerships

OGRIP (Ohio Geographically Referenced Information Program) Council and Geographic Information System Service Center (GISSC) are focused on collaboration of digital spatial data and data sharing throughout Ohio. There are five state agencies and eight at-large representatives on the Governor's appointed OGRIP Council on behalf of private utilities, academia, county, and municipal government. The GISSC supports state agencies working with spatial data and location relationships.

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>.

OGRIP maintains the Ohio GIS County Profile Survey that is available through <http://www.oit.ohio.gov/SDD/ESS/Ogrip/countyprofiles.aspx>. The GIS County Survey is an inventory of county spatial data assets and GIS activities for the State of Ohio. Responses to the survey are voluntarily provided to OGRIP from local government GIS contacts representing the counties.

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.