

State Geospatial Data Coordination Procedure

Wyoming

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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*

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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:

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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 either an image (orthophoto) or vector (road centerline) base map depending on the county being studied and the best available data at the time of the study. Some counties may have a sufficient road centerline file. The State is currently working on an accurate up-to-date road centerline base map on the state level. A preliminary version of this dataset may be available soon.

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: Black and White Digital Orthophoto Quads (DOQ)

Data currentness: Varies: 1993-2004

Accuracy/Scale: 1:12,000 statewide

Ground sample resolution: 1 meter

Horizontal datum: NAD83

Fee associated? None

Available for redistribution? Yes

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

Dataset contact: Customer Service, U.S. Geological Survey, Center for Earth Resources

Observation and Science (EROS), 47914 252nd Street, Sioux Falls, SD 54198-0001;

phone: 800-252-4547; custserv@usgs.gov

Notes: Same as National Dataset.

Dataset name: National Agriculture Imagery Program (NAIP) Imagery

Data currentness: 2006

Accuracy/Scale: 1:12,000

Ground sample resolution: 1 meter

Horizontal datum: NAD83

Fee associated? None

Available for redistribution? Yes

Dataset source: USDA at <http://datagateway.nrcs.usda.gov/GatewayHome.html>

Dataset contact: gateway@ftc.usda.gov

Notes: 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: 2006 First and Second Edition TIGER/Line Files

Data currentness: 2006

Accuracy/Scale: 7.6 meter or better (horizontal) for modernized data

Horizontal datum: NAD83

Fee associated? No

Available for redistribution? Yes

Are road names part of the dataset? Yes

Dataset source: Census Bureau at

<http://www.census.gov/geo/www/tiger/tiger2006fe/tgr2006fe.html>

Dataset contact: tiger@census.gov

Notes: (1) Same as National Dataset. Currentness and accuracy varies by county.

Individual counties may have accurate up to date transportation file. Contact state/local GIS department.

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(2) The State is currently working on an accurate up-to-date road centerline base map on the state level. A preliminary version of this dataset may be available soon.

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

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

Political boundaries (county, municipal)

Dataset name: 2006 First and Second Edition TIGER/Line Files

Data currentness: 2006

Accuracy/Scale: varies; as good as 7.6 meter or better (horizontal) where boundaries follow for modernized road data

Horizontal datum: NAD83

Fee associated? No

Available for redistribution? Yes

Dataset source: Census Bureau at

<http://www.census.gov/geo/www/tiger/tiger2006fe/tgr2006fe.html>

Dataset contact: tiger@census.gov

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

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

Dataset name: Federal Surface Management Agency Boundaries

Data currentness: 2004

Accuracy/Scale: 1:100,000 or better

Horizontal datum: NAD83

Fee associated? No

Available for redistribution? Yes

Dataset source: Bureau of Land Management (BLM) at

<http://www.geocommunicator.gov/GeoComm/fedland/home/index.html>

Dataset contact: Office of Public Affairs, 1849 C Street, Room 406-LS Washington, DC 20240; Phone: (202) 452-5125

Notes:

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

Dataset name: National Integrated Land System – Land Survey Information System

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Data currentness: 2006

Accuracy/Scale: 1:100,000 or better

Horizontal datum: NAD83

Fee associated? No

Available for redistribution? Yes

Dataset source: National Integrated Land System at

http://www.geocommunicator.gov/GeoComm/lsis_home/hme/index.html

Dataset contact: Office of Public Affairs, 1849 C Street, Room 406-LS Washington, DC 20240; Phone: (202) 452-5125

Notes: Same as National Dataset. Complete coverage may vary for individual counties. Some counties may have accurate PLSS file. Contact state/local GIS department.

Cadastral (parcels)

No statewide coverage available. Individual counties may have accurate up to date property ownership file. Contact local GIS department.

Extraterritorial jurisdiction (ETJ) boundaries

No statewide coverage available. Individual counties may have accurate up to date ETJ file, if applicable. Contact local GIS department.

Terrain (elevation)

Dataset name: National Elevation Dataset

Data currentness: 2000-2006

Accuracy/Scale: 2.44 meter(vertical)

Vertical datum: NAVD88

Fee associated? No

Available for redistribution? Yes

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

Dataset contact: Customer Service, U.S. Geological Survey, Center for Earth Resources Observation and Science (EROS), 47914 252nd Street, Sioux Falls, SD 54198-0001; phone: 800-252-4547; custserv@usgs.gov

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

Data Distribution Process for State Data

Data is available for free download on the WYGISC website at

<http://www.wygisc.uwyo.edu/data.htm>. WYGISC also provides a clearinghouse, data IMS(s), and a new metadata server (the GeoLibrary). You may also contact the office to have data loaded on CD or DVD.

In addition, the office may have more up-to-date datasets or be able to direct you to other data sources on the local level. Most data is free of charge for FEMA related work and has no restrictions for access or redistribution.

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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

The state maintains an inventory of GIS data through a clearinghouse on the WYGISC website. The clearinghouse allows users to search for available data using various search methods. The site provides data source, scale, type, metadata, and a link to download the data free of charge. The website can be accessed through the link <http://www.wygisc.uwyo.edu/clearinghouse/>.

In addition to the clearinghouse website, the state performs an annual statewide survey that inventories GIS data available throughout the state on the local level. The goal is to compile the questionnaire results received from local GIS managers into a spreadsheet and eventually make that available online. To get the most up to date list of inventory in the state of Wyoming it is best to contact the WYGISC office. New data may be available that has not be updated on the web. In addition their office will be aware of proposed data projects or projects that are in progress and may soon become available.

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=WY>

Involving the State’s Geospatial Coordinator in Flood Studies

The State is responsible for outreach efforts and support, annual statewide questionnaire development and implementation, pre-scoping questionnaire implementation, pre-scoping meetings, access to Wyoming Map Modernization Annual Business Plan, collection of local GIS data for Wyoming Map Modernization GIS database, local, state and federal contact lists, and inventory of community mapping needs and activities gathered through outreach activities, annual and pre-scoping questionnaire.

In order to participate in the FEMA flood hazard mapping effort, this office prefers to be contacted in all of the following ways:

- a. Send project list to WOHS/WyGIS 3MS at the start of each year.
- b. Conference call with WOHS/WyGIS 3MS at the start of data discovery for each individual project.
- c. Correspondence with WOHS/WyGIS 3MS throughout the DFIRM mapping process, by e-mail, phone calls, and letters.
- d. Send pre-scoping and scoping reports to WOHS/WyGIS 3MS when published in digital and hardcopy formats.
- e. Inform WOHS/WyGIS 3MS of preliminary map release and contact list so appropriate pre-scoping measures can occur.
- f. Inform WOHS/WyGIS 3MS of Final CCO meetings for Wyoming.

Wyoming has a working relationship with RMC 8 that is responsible for updating the multi-hazard maps, and WyGIS has access to the Wyoming Flood Map Modernization Business Plan.

State Coordination Process for Building Geospatial Partnerships

Currently, the State does not have a process for building Geospatial Partnerships.

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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 State maintains a statewide GIS contact list available through the Wyoming Geographic Science Center (WYGISC). The WYGISC is in the beginning stages of developing a database to house state and local GIS data for the Wyoming Map Modernization Program. A web accessible contact list is currently under development; however, an up-to-date digital contact list is available by contacting the WYGISC office. General contact information for each county or links to individual county websites can be accessed through the Wyoming Local Government contact page at <http://gowyld.net/wyoming/localgovt.html>..

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.