State Geospatial Data Coordination Procedure

Oklahoma

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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 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:

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Regional Management Center 6
940-783-4155
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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 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: NAIP Orthophotography
Data currentness: 2006
Accuracy/Scale: +/- 3 meters
Ground sample resolution:
Horizontal datum: NAD83, UTM
Fee associated? No
Available for redistribution? Yes
Dataset source: National Aerial Imgery Program (NAIP)
Dataset contact: Available for download from http://www.okmaps.onenet.net

Notes: 2003 NAIP imagery is 1 meter; 2004-2006 NAIP imagery is 2 meter; Information collected from metadata posted on the University of Oklahoma, center for Spatial Analysis website.

Transportation (roads, railroads, and airports)

Dataset name: Oklahoma Airports, Interstate Highways, Railroads, Primary and Secondary Roads.
Data currentness: 2000
Accuracy/Scale: 2000 TIGER/Line files
Horizontal datum: NAD83
Fee associated? No
Available for redistribution? Yes
Are road names part of the dataset? Yes
Dataset source: Avaialble for download from http://www.csa.ou.edu
Dataset contact: Geo Information Systems; Azhar Mahmood; 405-325-3131; azmahmood@ou.edu
Notes: MAF/TIGER Accuracy Improvement Project (MTAIP), has completed a large number of Oklahoma counties (horizontal spatial accuracy of 7.6 meters or better); Information collected from metadata posted on the University of Oklahoma, center for Spatial Analysis website.

Hydrography (rivers, streams, lakes, and shorelines)

Dataset name: NTAD Hydrographic Features (lines); NTAD Hydrographic Features (polys)
Data currentness: August 2003
Accuracy/Scale: Consistent with TIGER (160 feet)
Horizontal datum: NAD83
Fee associated? No
Available for redistribution? Yes
Are hydrography names part of the dataset? Yes
Dataset source: Available for download from http://www.csa.ou.edu
Dataset contact: Bureau of Transportation Statistics; 202-366-DATA; answers@bts.gov
Notes: Attributes updated using state and county sources; Information collected from metadata posted on the University of Oklahoma, center for Spatial Analysis website.

Political boundaries (county, municipal)

Dataset name: State of Oklahoma Detailed County Boundaries
Data currentness: 2002; revision is ongoing and continuous
Accuracy/Scale: 160 feet
Horizontal datum: NAD83
Fee associated? No
Available for redistribution? Yes
Dataset source: Available for download from: http://www.csa.ou.edu

Dataset contact: Geo Information Systems; Azhar Mahmood; 405-325-3131; azmahmood@ou.edu
Notes: Information collected from metadata posted on the University of Oklahoma, center for Spatial Analysis website.

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

Dataset name: Township, Section, Range
Data currentness: 2002
Accuracy/Scale: 1:100,000
Horizontal datum: NAD83
Fee associated? No
Available for redistribution? Yes
Dataset source: Available for download from http://www.csa.ou.edu
Dataset contact: Oklahoma Tax Commission; Troy Frazier; 405-521-3178; tfrazier@tax.ok.gov
Notes: Information collected from metadata posted on the University of Oklahoma, center for Spatial Analysis website.

Terrain (elevation)

Dataset name: USGS Digital Elevation Models
Data currentness: Unknown
Accuracy/Scale: Vertical accuracy of 7-15 meters
Horizontal datum: Unknown
Fee associated? No
Available for redistribution? Yes
Dataset source: Available for download from http://seamless.usgs.gov
Dataset contact: 1-888-ASK-USGS; ask.usgs.gov
Notes: State of Oklahoma has complete 30-meter DEM coverage; 10-meter DEMs are available in some counties.

Data Distribution Process for State Data

Oklahoma Center for GeoSpatial Information
http://www.ocgi.okstate.edu/

Oklahoma Geographic Information Council
http://www.okmaps.onenet.net/

Federal Nationwide Geospatial Data Holdings

Information about nationwide holdings and programs of Federal agencies is available from the Mapping Information Platform web site. (Go to: hazards.fema.gov > Tools & Links > Additional Resources > Federal Mapping Program Factsheets)

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

University of Oklahoma Center for Spatial Analysis
http://www.csa.ou.edu

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 agencies 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://gos2.geodata.gov/wps/portal./gos>, 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=OK

Involving State's Geospatial Coordinator in Flood Studies

State Coordination Process for Building Geospatial 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.

State has a strong Flood Plain Managers Association that coordinates on many issues concerning FEMA.

State has regional planning commissions/councils of government.
Tribal Governments and lands have generally not been mapped.

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.