

State Geospatial Data Coordination Procedure

Texas

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	3
Orthophotos	3
Transportation (roads, railroads, and airports)	3
Hydrography (rivers, streams, lakes, and shorelines).....	3
Political boundaries (county, municipal).....	3
Publicly owned lands (national, state, and local parks, forests, etc).....	4
Cadastral (parcels)	4
Extraterritorial jurisdiction (ETJ) boundaries.....	4
Terrain (elevation).....	4
Data Distribution Process for State Data.....	4
Federal Nationwide Geospatial Data Holdings.....	4
Finding and Accessing Other Existing Geospatial Data	5
Clearinghouses and Inventories for the State.....	5
National Digital Orthophoto Program (NDOP) and National Digital Elevation Program (NDEP) Tracking Systems	5
TED Query Tool	5
Geospatial One-Stop	5
Working with People.....	5
Useful State and Federal Contacts	5
Involving the State’s Geospatial Coordinator in Flood Studies.....	6
State Coordination Process for Building Geospatial Partnerships.....	6
Finding Local Geospatial Contacts	6
Provide Feedback on This Procedure	6

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 <http://hazards.fema.gov/femaportal/docs/GeoDataImplem.pdf>, and in *Scoping*

State Geospatial Data Coordination Procedure

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:

Roberto E. Ramirez, CFM, Geospatial Data Coordination Lead
Regional Management Center 6
940-783-4122
Roberto.ramirez@mapmodteam.com

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

Michael Ouimet
State GIS Coordinator
Texas Department of Information Resources
PO Box 13564
Austin, Texas, 78711-3564
Phone: 512.305.9076 Fax: 512.475.4759
Email: michael.ouimet@dir.state.tx.us
Date Procedure discussed: February 16, 2007

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.

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.

State Geospatial Data Coordination Procedure

Major State Holdings

Orthophotos

Dataset name: National Agriculture Imagery Program

Data currentness: 2004

Accuracy/Scale: horizontal accuracy matches within five meters of a reference ortho image

Ground sample resolution: 1-meter

Horizontal datum: UTM, NAD 83

Fee associated? Media Duplication Costs Only

Available for redistribution? Yes

Dataset source: <http://www.tnris.state.tx.us/StratMap.aspx>

Dataset contact: Farm Services Agency or TNRIS at 512-463-8337

Notes: Full Coverage is available for state

Transportation (roads, railroads, and airports)

Dataset name: StratMap Transportation

Data currentness: Referenced to 2004 NAIP Imagery

Accuracy/Scale: referenced features to the 2004 orthophotos

Horizontal datum: NAD 83

Fee associated? Media Duplication Costs Only

Available for redistribution? Yes

Are road names part of the dataset? Yes

Dataset source: <http://www.tnris.state.tx.us/StratMap.aspx>

Dataset contact: TNRIS at 512-463-8337

Notes: Full Coverage Available

Hydrography (rivers, streams, lakes, and shorelines)

Dataset name: Hydrography - NHD

Data currentness: 2006

Accuracy/Scale: 1:24,000

Horizontal datum: NAD 83

Fee associated? No

Available for redistribution? Yes

Are hydrography names part of the dataset? Yes

Dataset source: <http://nhd.usgs.gov/data.html>

Dataset contact: USGS / EPA / TWDB; NHD@usgs.gov

Political boundaries (county, municipal)

Dataset name: StratMap Political Boundaries

Data currentness: variable

Accuracy/Scale: variable

Horizontal datum: NAD 83

Fee associated? No

Available for redistribution? Yes

Dataset source: <http://www.tnris.state.tx.us/StratMap.aspx>

Dataset contact: TNRIS at 512-463-8337

State Geospatial Data Coordination Procedure

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

Dataset name: Parks

Data currentness: variable

Accuracy/Scale: variable

Horizontal datum: NAD 83

Fee associated? No

Available for redistribution? No

Dataset source: Texas General Land Office at

<http://www.glo.state.tx.us/gisdata/gisdata.html>

Dataset contact: Texas General Land Office 512-463-5034

Cadastral (parcels)

Texas does not have a statewide dataset for parcels. Parcel datasets must be obtained from county appraisal districts.

Extraterritorial jurisdiction (ETJ) boundaries

Texas does not have a statewide dataset for ETJs. ETJ datasets must be obtained from cities.

Terrain (elevation)

Dataset name: StratMap Elevation (contours digitized from 1:24,000-scale USGS topographic maps and derived 30-meter post spacing DEM)

Data currentness: variable

Accuracy/Scale: variable

Vertical datum: NAVD 88, NGVD 29

Fee associated? Media Duplications Costs only

Available for redistribution? Yes

Dataset source: <http://www.tnris.state.tx.us/StratMap.aspx>

Dataset contact: TNRIS at 512-463-8337

Notes: Full Coverage is available for state

Data Distribution Process for State Data

Data are available through

1. <http://www.tnris.state.tx.us/stratmap/>
2. <http://www.glo.state.tx.us/gisdata/gisdata.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>>.

State Geospatial Data Coordination Procedure

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

StratMap: <http://www.tnris.state.tx.us/stratmap/>

Texas General Land Office: <http://www.glo.state.tx.us/gisdata/gisdata.html>

Texas Geographic Information Council: <http://www.dir.state.tx.us/tgic/>

Texas Commission on Environmental Quality: <http://www.tceq.state.tx.us/>

Texas Colorado River Floodplain Coalition: <http://www.tcrfc.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.

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=TX>>.

State Geospatial Data Coordination Procedure

Involving the State's Geospatial Coordinator in Flood Studies

The coordinator participated in the development of this Procedure. The State has a strong Flood Plain Managers Association that coordinates on many issues concerning FEMA. Personnel from the TNRIS StratMap program actively coordinate data collection and identification efforts with FEMA

State Coordination Process for Building Geospatial Partnerships

The State has a GIS Coordination Council – Texas Geographic Information Council (TGIC) <http://www.dir.state.tx.us/tgic/>

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 contacts list in the following formats:

- a. Spreadsheet
- b. Word Document

The information is available from the State GIS Coordinator listed at the beginning of this Procedure.

The levels of government in the list are:

- a. State
- b. Regional

The State has strong regional planning commissions/councils of government.

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.