

# State Geospatial Data Coordination Procedure

## Kansas

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### Purpose of the Procedure

Flood insurance studies search for existing 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. Resources developed through FEMA’s geospatial data coordination activities provide studies information about existing 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. Detailed information about the role geospatial data coordination plays in studies is in the *Geospatial Data Coordination Implementation Guide*, which is available

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at <<https://hazards.fema.gov/femaportal/docs/GeoDataImplem.pdf>>, and *Scoping Guidelines: Pre-scoping and the Scoping Meeting*, which is available through your Regional Management Center (RMC).

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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## 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).

## Existing Geospatial Data Coverage

Find below background information and links to statewide (and Federal agencies' national) geospatial datasets. Note that this list is not a prescription of datasets that must be used in a flood insurance study. The list is provided to save time when building a list of candidate datasets available for the study.

### Statewide

#### *Orthophotos*

Dataset name: Digital Orthophoto Quarter Quadrangles (DOQQ) 2002  
Data currentness: 2002  
Accuracy/Scale: 1:12,000 – scale based on the US NMAS  
Ground sample resolution: 1 meter

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Horizontal datum: NAD 83

Fee associated? No

Available for redistribution? Yes

Dataset source: [www.kansasgis.org](http://www.kansasgis.org)

Dataset contact: Data Access and Support Center, Kansas Geological Survey, University of Kansas, 1930 Constant Ave, Campus West, Lawrence, Kansas 66047-3726, (785) 864-2000, [dasc@kgs.ku.edu](mailto:dasc@kgs.ku.edu)

## *Transportation (roads, railroads, and airports)*

Dataset name: Kansas State Highway System, Kansas Non-State Road System

Data currentness: 07/05/2006

Accuracy/Scale: Unknown

Horizontal datum: NAD 83

Fee associated? No

Available for redistribution? Yes

Are road names part of the dataset? Yes

Dataset source: [www.kansasgis.org](http://www.kansasgis.org)

Dataset contact: Data Access and Support Center, Kansas Geological Survey, University of Kansas, 1930 Constant Ave, Campus West, Lawrence, Kansas 66047-3726, (785) 864-2000, [dasc@kgs.ku.edu](mailto:dasc@kgs.ku.edu)

## *Hydrography (rivers, streams, lakes, and shorelines)*

Dataset name: National Hydrography Dataset

Data currentness: 04/01/1999

Accuracy/Scale: Error less than or equal to 0.003 inch standard error at map 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: [www.kansasgis.org](http://www.kansasgis.org)

Dataset contact: Data Access and Support Center, Kansas Geological Survey, University of Kansas, 1930 Constant Ave, Campus West, Lawrence, Kansas 66047-3726, (785) 864-2000, [dasc@kgs.ku.edu](mailto:dasc@kgs.ku.edu)

Note: The National Hydrography Dataset also is available from the USGS at <http://nhd.usgs.gov>.

## *Political boundaries (county, municipal)*

Dataset name: TIGER 2000

Data currentness: 2000

Accuracy/Scale: 1:100,000

Horizontal datum: NAD 83

Fee associated? No

Available for redistribution? Yes

Dataset source: [www.kansasgis.org](http://www.kansasgis.org)

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Dataset contact: Data Access and Support Center, Kansas Geological Survey, University of Kansas, 1930 Constant Ave, Campus West, Lawrence, Kansas 66047-3726, (785) 864-2000, [dasc@kgs.ku.edu](mailto:dasc@kgs.ku.edu)

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

Dataset name: Public Land Survey System (PLSS)

Data currentness: 08/27/1997

Accuracy/Scale: Direct comparison to USGS database. Comparison to the graphic source is used as control to access digital location accuracy. Taken as a group, significantly lower quality was identified among early DLG's developed by the USGS in SE Kansas for coal resource studies, in NE Kansas along the Missouri River, and those DLG's covering Gray County developed as a pilot database development project. 1:24000.

Horizontal datum: NAD 83

Fee associated? No

Available for redistribution? Yes

Dataset source: [www.kansasgis.org](http://www.kansasgis.org)

Dataset contact: Data Access and Support Center, Kansas Geological Survey, University of Kansas, 1930 Constant Ave, Campus West, Lawrence, Kansas 66047-3726, (785) 864-2000, [dasc@kgs.ku.edu](mailto:dasc@kgs.ku.edu)

## *Terrain (elevation)*

Dataset name: National Elevation Dataset (NED)

Data currentness: 02/01/1999

Accuracy/Scale: +/- 7 meters (varies)

Vertical datum: NAD 83

Fee associated? No

Available for redistribution? Yes

Dataset source: [www.kansasgis.org](http://www.kansasgis.org)

Dataset contact: Data Access and Support Center, Kansas Geological Survey, University of Kansas, 1930 Constant Ave, Campus West, Lawrence, Kansas 66047-3726, (785) 864-2000, [dasc@kgs.ku.edu](mailto:dasc@kgs.ku.edu)

Notes: The National Elevation Dataset at a finer resolution also is available for the State; see <http://ned.usgs.gov>.

## *Data Distribution Process for State Data*

Details regarding official policy for data distribution are available via the DASC website at <http://www.kansasgis.org>

## **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>.

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## 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 will 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

Data Access and Support Center (DASC) at <http://www.kansasgis.org/>

The Data Access and Support Center has five basic functions associated with its task of maintaining the Kansas GeoDatabase. DASC services were intended primarily for the member agencies of the Policy Board, but are provided to all other governmental and public organizations as a State service. Below are the basic services DASC offers.

- Receive, archive, and catalog all core databases. Maintain associated documentation and information.
- Check and verify integrity of data to ensure they meet GIS Policy Board's database standards.
- Convert and transform databases to varying software formats, computer architectures.
- Distribute databases as requested and handle inquiries for DASC services.
- Promote and assist the use of the core database and GIS technologies and produce the State GIS Newsletter.

These are the services that are currently being offered. In years to come, DASC hopes to provide more services. If additional funding can be acquired DASC would expand its services to provide more user support as Geographic Information Systems are very complex and require dedicated qualified personnel to support their operation. Ideally, DASC would provide training for various GIS systems, assist in map production, and help trouble-shoot software deficiencies.

### 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."

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## 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=KS>

Additional useful contacts for the State can be found at <http://www.kansasgis.org/>.

### Involving the State’s Geospatial Coordinator in Flood Studies

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 at the start of each year

This state already has a working relationship with the office in the state that is responsible for updating the multi-hazard maps, and they have access to their state’s flood map modernization business plan.

### State Coordination Process for Building Geospatial Partnerships

*Kansas Geographic Information Systems Policy Board:* <http://www.da.ks.gov/gis/>: The Kansas GIS Policy Board is responsible for the development of standards, strategies, and policies that emphasize cooperation and coordination among agencies, organizations, and government entities in order to maximize the cost effectiveness of GIS by creating public and private partnerships throughout Kansas. The board, consisting of 27 members appointed by the Governor from state and local government agencies as well as public, private, and academic interests, provides review, coordination and recommendations of GIS programs and investments. The current geospatial data framework in Kansas reflects an evolutionary process based on state government policy needs, federal guidelines,

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available funding, and areas of use that were pioneering the use of GIS. As GIS expands its purview beyond the original user base to local and private agencies, some on the planning committee believe it is necessary to explore the additional needs of this expanded user base. For example, the following data themes were proposed as part of the Kansas Geospatial Data Framework in a recent focus group: soils, public lands, Tiger-census file, oil and gas, land use, weather patterns, water rights, and social-economic characteristics. Significantly, some on the committee believe that the status quo is sufficient.

## 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. Web Accessible: [http://www.kansasgis.org/community/browse\\_mem.cfm](http://www.kansasgis.org/community/browse_mem.cfm)

The levels of government in the list are:

- a. Municipal
- b. County
- c. State

## 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 how you corrected the information.

The lead will use your feedback to update this procedure on a regular basis.