

State Geospatial Data Coordination Procedure

Nebraska

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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 Guidelines: Pre-scoping and the Scoping Meeting*, which is available through the Regional Management Center (RMC).

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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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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: Digital Orthophoto Quarter Quadrangles – Index for the State of Nebraska

Data currentness: 1999

Accuracy/Scale: 1:12,000 – scale based on the US NMAS (National Map Accuracy Standard)

Ground sample resolution: 1 meter

Horizontal datum: NAD 83

Fee associated? No

Available for redistribution? Yes

Dataset source: <http://www.dnr.ne.gov/databank/doq.html>

Dataset contact: The Nebraska Department of Natural Resources, 301 Centennial Mall South, Lincoln, Nebraska 68509-4676, (402) 471-2363, gis@dnr.ne.gov

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Transportation (roads, railroads, and airports)

Dataset name: Nebraska Roads – 2005 TIGER

Data currentness: 2005

Accuracy/Scale: The entire State has been processed through MAF/TIGER Accuracy Improvement Project (MTAIP), which uses sources with a horizontal spatial accuracy of circular error 95 (CE95) at 7.6 meters or better. Information about the source and the horizontal positional accuracy of that source appears in the county-based metadata included as part of each compressed TIGER/Line file.

Horizontal datum: NAD 83

Fee associated? No

Available for redistribution? Yes

Are road names part of the dataset? Yes

Dataset source: <http://dnrdata.dnr.ne.gov/SpatialK/Tiger/index.aspx>

Dataset contact: The Nebraska Department of Natural Resources, 301Centennial Mall South, Lincoln, Nebraska 68509-4676, (402) 471-2363, gis@dnr.ne.gov

Hydrography (rivers, streams, lakes, and shorelines)

Dataset name: NHD – High Resolution

Data currentness: 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: http://www.dnr.ne.gov/databank/nhd_region.html

Dataset contact: The Nebraska Department of Natural Resources, 301Centennial Mall South, Lincoln, Nebraska 68509-4676, (402) 471-2363, gis@dnr.ne.gov

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

Political boundaries (county, municipal)

Dataset name: Nebraska County Boundaries, City Boundaries – 2005

Data currentness: 2005

Accuracy/Scale: The entire State has been processed through MAF/TIGER Accuracy Improvement Project (MTAIP), which uses sources with a horizontal spatial accuracy of circular error 95 (CE95) at 7.6 meters or better. Information about the source and the horizontal positional accuracy of that source appears in the county-based metadata included as part of each compressed TIGER/Line file. Boundaries are aligned to roads that they follow.

Horizontal datum: NAD 83

Fee associated? No

Available for redistribution? Yes

Dataset source: <http://dnrdata.dnr.ne.gov/SpatialK/Tiger/index.aspx>

Dataset contact: The Nebraska Department of Natural Resources, 301Centennial Mall South, Lincoln, Nebraska 68509-4676, (402) 471-2363, gis@dnr.ne.gov

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

Dataset name: Nebraska Natural Resources Districts Boundary

Data currentness: 1990

Accuracy/Scale: 1:100,000

Horizontal datum: NAD 83

Fee associated? No

Available for redistribution? Yes

Dataset source: <http://www.dnr.ne.gov/databank/statewide.html>

Dataset contact: The Nebraska Department of Natural Resources, 301Centennial Mall South, Lincoln, Nebraska 68509-4676, (402) 471-2363, gis@dnr.ne.gov

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

Dataset name: Nebraska Section Corner Polygons, Nebraska Township/Range Polygons

Data currentness: 1995

Accuracy/Scale: medium to low - this data does not meet any standards

Horizontal datum: NAD 83

Fee associated? No

Available for redistribution? Yes

Dataset source: <http://dnrdata.dnr.ne.gov/SpatialK/PLSS>

Dataset contact: The Nebraska Department of Natural Resources, 301Centennial Mall South, Lincoln, Nebraska 68509-4676, (402) 471-2363, gis@dnr.ne.gov

Terrain (elevation)

Dataset name: 7.5 Digital Elevation Models – DEM – 10 Meter – Index for the State of Nebraska

Data currentness: 1998

Accuracy/Scale: RMSE of the DEM. Digital elevation models meet horizontal National Map Accuracy Standards (NMAS) accuracy requirements. 1:24000

Vertical datum: NGVD 29

Fee associated? No

Available for redistribution? Yes

Dataset source: <http://www.dnr.ne.gov/databank/dem.html>

Dataset contact: The Nebraska Department of Natural Resources, 301Centennial Mall South, Lincoln, Nebraska 68509-4676, (402) 471-2363, gis@dnr.ne.gov

Notes: The state also has tagged vector contours (TVC) (contours digitized from USGS topographic maps) available through <http://www.dnr.ne.gov/databank/spat.html>. The USGS makes the National Elevation Dataset available; see <http://ned.usgs.gov>.

Data Distribution Process for State Data

A document created by The Nebraska GIS Steering Committee explores recommendations for facilitating geospatial data sharing in Nebraska. It is available from http://www.calmit.unl.edu/gis/Nebr_DASC_Recmd_final.pdf.

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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 Nebraska Geospatial Data Center: <http://www.dnr.ne.gov/databank/geospatial.html>: The Nebraska Geospatial Data Center provides access to a wide variety of geospatial databases developed and/or maintained by various state, federal and local government agencies, academic institutions, and private entities. It is a one-stop enterprise portal for on-line searching, accessing, displaying and mapping available geo-data relating to the geographic area of Nebraska. The Center has created a unified enterprise-wide metadata clearinghouse and developed a web-based metadata submission site for the State. The metadata entry contains descriptive information about the specific geo-data and is structured in a standardized format. Currently, the Nebraska Geo-Spatial Data Center, including the Metadata Clearinghouse, is operated and hosted by the Nebraska Department of Natural Resources (Data Bank), with oversight from the Nebraska GIS Steering Committee.

University of Nebraska – Conservation and Survey Division (GIS Datasets): <http://csd.unl.edu/general/gis-datasets.asp>: The Conservation and Survey Division, the natural resource survey component of the School of Natural Resources, Institute of Agriculture and Natural Resources, University of Nebraska-Lincoln, is a unique, multi-disciplinary research, service and data-collection organization established by [state statute in 1921](#). The Division's mission is to investigate and record information about Nebraska's geologic history, its rock and mineral resources, the quantity and quality of its water resources, land cover and other aspects of its geography, as well as the nature, distribution and uses of its soils.

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

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<<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=NE>

Additional useful contacts for the State can be found at <http://www.calmit.unl.edu/gis/>.

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

Nebraska GIS Steering Committee: <http://www.calmit.unl.edu/gis/committee.html>: The Nebraska GIS Steering Committee grew out of earlier GIS-related coordination efforts, both by GIS users and by a subcommittee of the Nebraska Intergovernmental Data Communications Advisory Council (NDICAC). The fifteen member GIS Steering Committee, as defined by statutes, consists of eight representatives of state government level agencies; two representatives of the Nebraska Association of County Officials; one

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representative each from the League of Nebraska Municipalities, the Natural Resources Districts, and from public power districts; and two at-large representatives. Beyond the fifteen Steering Committee members defined by statute, a number of other individuals and organizations actively participate in Steering Committee meetings and projects. In addition to the staff support received from participating agencies, the Steering Committee's efforts are supported by a Coordinator, Larry K. Zink, based in the Department of Administrative Services.

The GIS Steering Committee has identified three general, but interrelated program areas, in which to focus their current efforts.

- Actively coordinate the development, maintenance, and distribution of priority statewide digital geospatial databases.
- The promotion and facilitation of local government land record modernization and GIS development.

Strengthen the GIS Education Subcommittee and its overall educational program activities.

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.calmit.unl.edu/gis/>

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 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.