State Geospatial Data Coordination Procedure

Delaware

Table of Contents

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).

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:

Lee Brancheau, Geospatial Data Coordination Lead
Regional Management Center 3
(609) 734-7912
Lee.Brancheau@mapmodteam.com

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

Michael Mahaffie
Delaware Geographic Data Committee
(302) 739-3090
mike.mahaffie@state.de.us
Date Procedure discussed: March 21, 2007

Default Flood Hazard Base Map for the State

The default base map for flood hazard maps for the State is a vector base map (road centerlines).

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: Delaware 2002 Orthophotography
Data currentness: 20020300

Accuracy/Scale: The digital orthophotos fully comply with NSSDA standards for production of orthophotos at a horizontal scale of 1 / 2,400 with a ground pixel resolution of 1 foot.

Ground sample resolution: 1 ft.

Horizontal datum: NAD 83 (91)

Fee associated? No

Available for redistribution? No

Dataset source: Office of State Planning Coordination / Office of Management and Budget, State of Delaware

Dataset contact: Mike Mahaffie, Office of State Planning Coordination, (302) 739-3090, mike.mahaffie@state.de.us

Notes: Delaware's 2002 Digital Orthophotography has been made publicly available on-line and via publication in a simplified version (1-meter pixel resolution) to reduce potential security risks.

Transportation (roads, railroads, and airports)

Dataset name: DelDOT Centerline File

Data currentness: 1 Mar 2006

Accuracy/Scale: 1:2,400

Horizontal datum: NAD 83

Fee associated? No

Available for redistribution? Yes

Are road names part of the dataset? Yes

Dataset source: DelDOT at http://www.deldot.gov/static/pubs_forms/GIS/centerline/

Dataset contact: Matthew Laick, Delaware Dept of Transportation (DelDOT), P.O. Box 778 800 Bay Road, Dover, DE 19901, Matthew.Laick@state.de.us

Hydrography (rivers, streams, lakes, and shorelines)

Dataset name: No coverage available.

Notes: USGS NHD High Resolution Hydrography is available for Delaware, but local datasets that match Delaware 2002 orthophotography are preferable.

Political boundaries (county, municipal)

Dataset name: Delaware Municipal Boundaries

Data currentness: 20020101

Accuracy/Scale: unknown

Horizontal datum: NAD 83

Fee associated? No

Available for redistribution? Yes

Dataset source: Office of State Planning Coordination / Office of Management and Budget, State of Delaware at
http://stateplanning.delaware.gov/info/munbounds/munbounds.shtml.

Dataset contact: Mike Mahaffie, Office of State Planning Coordination, (302) 739-3090, mike.mahaffie@state.de.us

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

Dataset name: Delaware State Parks

Data currentness: 19980811

Accuracy/Scale: Boundaries are verified by visual comparison to source materials, hard copy check maps and on screen checks per USGS Basemap by Lands Preservation Office & Parks GIS Lab Staff. Due to variety of source materials used, map scale threshold is 1:20,000 +/- 4,000.

Horizontal datum: NAD 83

Fee associated? No

Available for redistribution? No

Dataset source: Division of Parks & Recreation, DE DNREC at http://gorilla.us.udel.edu/data/gis/dnrec/dave_mannering/stpk.zip

Dataset contact: David C. Mannering, 89 Kings Highway, Dover DE, 19901, dmannering@state.de.us

Notes: Not available for redistribution.

Cadastral (parcels)

Dataset name: Delaware Tax Parcels WMS Service

Data currentness: Constantly updated

Accuracy/Scale: These data are only a visual representation and are not of engineering accuracy.

Horizontal datum: NAD 83

Fee associated? No

Available for redistribution? No

Kent County Dataset source: Kent County Department of Planning Services.

Kent County Dataset contact: Michael Ward, Director of Planning Services, 555 Bay Road, Kent County Complex, Dover DE, 19901, (302) 744-2417

New Castle County Dataset source: New Castle County Department of Land Use

New Castle County Dataset contact: Patrick Susi, Mapping Support Supervisor, 87 Reads Way, New Castle DE, 19720.

Sussex County Dataset source: Sussex County Mapping

Sussex County Dataset contact: Matthew Laick, #2 The Circle, Georgetown DE, 19947, 302-855-1176.

Notes: Data is a compilation of all counties cadastral parcel layers.

Terrain (elevation)

Dataset name: Delaware 2005 LIDAR for Eastern Kent County and Sussex County

Data currentness: 2005

Accuracy/Scale: Horizontal: Post spacing = 2.5m x 2.5m, swath width = 250m, foot print 15cm, from flight height 1200 feet above mean ground level (MGL). Vertical: Return Laser waveform sample rate 1/1ns which is equivalent to vertically every 15cm in air, 11cm in water

Vertical datum: NAVD 88

Fee associated? No

Available for redistribution? Yes

Dataset source: Delaware Geological Survey

Dataset contact: W. S. Schenck, Delaware Geological Survey, University of Delaware, Newark DE, 19716-7501, 302-831-8262, rockman@udel.edu

Notes: A data collection and processing project of the USGS, NASA, and the state of Delaware to collect elevation data at a 2-meter data posting for the state using Light Detection And Ranging (LIDAR) technology and to process that data to create a geospatial data set of 2-foot contour lines. This dataset was partially funded by FEMA.

Data Distribution Process for State Data

Delaware has a centralized data distribution process for GIS data through Delaware Data Mapping and Integration Laboratory (DATAMIL). Framework data is available for extraction using Microsoft Internet Explorer via IMS at the DATAMIL Map Production Laboratory: http://datamil.delaware.gov.

DATAMIL services are provided free of charge to all users. The data on DATAMIL is provided by federal, state, local and regional government agencies, non-profit organizations, and academic institutions throughout the region.

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

There is a statewide repository of Delaware base layers which is hosted by Delaware DATAMIL. DATAMIL is known as the official geospatial data clearinghouse for the State of Delaware and serves as Delaware's node on the National Spatial Data Infrastructure (NSDI), and Geospatial One-Stop. DATAMIL is a publicly accessible web site (http://datamil.delaware.gov/).

The state has an existing inventory of geospatial products in the following formats:

    a. Web Map Viewer (http://datamil.delaware.gov/?c=MAPPING)
    b. Delaware Geospatial Information Clearinghouse (http://maps.rdms.udel.edu/Portal)

The inventory surveys the following levels of government:

    a. Municipal

b. County
c. State

The contact or URL information for the inventory is as follows:
http://maps.rdms.udel.edu/Portal/

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=DE

Involving the State's Geospatial Coordinator in Flood Studies

Delaware has complete DFIRM coverage since 2004. Contact between FEMA, the RMC, and the State Contact is generally limited to phone conversions regarding updated base layers for use in updates to existing DFIRMs. Examples include coordination calls regarding the status of new LIDAR in Sussex and parts of Kent County, and new DELDOT transportation and political boundary layers for use in the revised New Castle County DFIRM datum conversion product.

State Geospatial Data Coordination Procedure

State Coordination Process for Building Geospatial Partnerships

The Delaware Geographic Data Committee (DGDC) and the Delaware Spatial Data Implementation Team (i-Team) are both the lead GIS Committees in the state. DGDC serves as a forum for technical, operational, and community-wide discussions and the I-Team, which represents the highest levels of state and county governments, serves as a steering committee and oversees the maintenance of the basic data known as the Delaware Spatial Data Framework. Mike Mahaffie is the current director of the DGDC. The DGDC website is located at: http://www.state.de.us/planning/dgdc/.

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 list server that can be used to forward FEMA program information and production notices to state and county GIS contacts. The contact information for using this list server is Mike Mahaffie at mike.mahaffie@statede.us or sign up at: https://udel.edu/mailman/listinfo/demetanet

The levels of government in the list are:

    a. Municipal
    b. County
    c. State
    d. Private and academic sectors

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.