

# State Geospatial Data Coordination Procedure

## New Jersey

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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).

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

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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: New Jersey 2002 High Resolution Orthophotography (MrSID format)  
Data currentness: Spring 2002, Version: 2.7.33, Last data update: Wed Mar 24 17:16:20 2004

Accuracy/Scale: 1:2400 (1"=200'). +/-4.0 ft. horizontal accuracy at a 95% confidence level.

Ground sample resolution: 1 foot pixel resolution

Horizontal datum: NAD83

Fee associated? No

Available for redistribution? Yes

Dataset source: New Jersey Geographic Information Network at

[http://njgin.nj.gov/OIT\\_IW/index.jsp](http://njgin.nj.gov/OIT_IW/index.jsp)

Dataset contact: New Jersey Geographic Information Network, New Jersey Office of GIS, 200 Riverview Plaza, PO Box 212, Trenton, NJ 08625 – 0212; (609) 633-9103; Fax (609) 633-0200

Notes: New New Jersey 2007 orthophotos availability scheduled for 4/2008.

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

Dataset name: New Jersey Department of Transportation Statewide Public Road Network (1:2,400)

Data currentness: Based on 2002 New Jersey Orthophotos

Accuracy/Scale: 1:2,400 (1"=200'). The orthophotos were captured during February-April 2002, and were ortho-rectified to a +/- 4.0 foot horizontal accuracy at a 95% confidence level. Roads were digitized to the visible center of a street, within a tolerance of +/- 3 feet.

Horizontal datum: NAD83

Fee associated? No

Available for redistribution? Yes

Are road names part of the dataset? Yes, however local road names are not provided along county routes. Please check with local municipality for local names of county routes.

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Dataset source: New Jersey Department of Transportation at

[http://www.state.nj.us/transportation/gis/zip/roads\\_2005.zip](http://www.state.nj.us/transportation/gis/zip/roads_2005.zip)

Dataset contact: NJ Department of Transportation, Bureau of Transportation Data Development, 1035 Parkway Ave., Trenton, New Jersey 08625; 609-530-2945; Fax 609-530-3514

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

Dataset name: NJDEP 2002 Streams Update for New Jersey

Data currentness: Based on 2002 New Jersey Orthophotos, Version: 2.8.6, Last data update: Thu Jul 27 11:39:46 2006

Accuracy/Scale: 1:2,400

Horizontal datum: NAD83

Fee associated? No

Available for redistribution? Yes

Are hydrography names part of the dataset? No

Dataset source: NJ Department of Environmental Protection at:

<http://www.nj.gov/dep/gis/hydro02shp.html>

Dataset contact: NJDEP/OIRM/BGIS, 401 East State Street, First Floor, PO Box 428, Trenton, New Jersey 08625-0428; 609-777-0672; Fax 609-292-7900;

[gisnet@dep.state.nj.us](mailto:gisnet@dep.state.nj.us)

Notes: This is a DRAFT version of the data.

### *Political boundaries (county, municipal)*

Dataset name: NJDEP Municipality Boundaries for the State of New Jersey (Clipped to Coast)

Data currentness: Updated in 2003, Version: 2.8.0, Last data update: Wed Aug 17 14:08:11 2005

Accuracy/Scale: 1:24,000

Horizontal datum: NAD 83

Fee associated? No

Available for redistribution? Yes

Are boundary names part of the dataset? Yes

Dataset source: NJ Department of Environmental at:

<http://www.state.nj.us/dep/gis/digidownload/zips/statewide/stmun.zip>

Dataset contact: NJDEP/OIRM/BGIS, Address: 401 East State Street, First Floor, PO Box 428, Trenton, New Jersey, 08625-0428; (609) 984-2243; Fax (609) 292-7900

Notes: NJOIT is in the midst of a multi-year project to verify and adjust existing county and municipal boundaries lines. The completion of this project may be too late for most FEMA Countywide DFIRM completion schedules and as such tax maps or contacts with municipalities should be employed by DFIRM producers to confirm the location of corporate boundaries.

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

Dataset name: NJDEP State Owned, Protected Open Space and Recreation Areas in New Jersey

Data currentness: Time period for which the data are relevant: 1991-2004, Version: 2.8.6, Last data update: Thu Jun 09 09:03:18 2005

# State Geospatial Data Coordination Procedure

Accuracy/Scale: 1:24,000

Horizontal datum: NAD83

Fee associated? No

Available for redistribution? Yes

Are publicly owned land names part of the dataset? Yes

Dataset source: NJ Department of Environmental at:

<http://www.state.nj.us/dep/gis/digidownload/zips/statewide/newstate.zip>

Dataset contact: NJDEP/OIRM/BGIS, 401 East State Street, PO Box 428, Trenton, NJ 08625; 609-777-0672; Fax 609-292-2900; [gisnet@dep.state.nj.us](mailto:gisnet@dep.state.nj.us)

## *Cadastral (parcels)*

No coverage available.

Notes: Several county cadastral datasets are available via the New Jersey Geographic Information Network <[https://njgin.state.nj.us/NJ\\_NJGINExplorer/index.jsp](https://njgin.state.nj.us/NJ_NJGINExplorer/index.jsp)>. A New Jersey Geospatial Forum Task Force for Parceling is in the process of producing a statewide product. Preliminary data for fifteen (15) counties has been produced and is presently available to internal NJDEP users

## *Terrain (elevation)*

Dataset name: NJDEP Elevation Contours for the State of New Jersey (20 Foot Intervals)

Data currentness: Published 1987, Version: 2.8.6, Last data update: Wed Aug 16 09:16:48 2006

Accuracy/Scale: unknown

Vertical datum: unknown

Fee associated? No

Available for redistribution? Yes

Dataset source: New Jersey Department of Environmental Protection at:

<http://www.state.nj.us/dep/gis/digidownload/zips/statewide/stcon.zip>

Dataset contact: NJDEP/OIRM/BGIS, 401 East State Street, First Floor, PO Box 428, Trenton, New Jersey 08625-0428; 609-984-2243; Fax 609-292-7900

Notes: Several other sources of higher accuracy elevation data sets are available within the state. The New Jersey Highlands Council is in the process of developing a LiDAR-derived DEM covering parts of Warren, Sussex, Hunterdon, Morris and Passaic counties. LiDAR data have been developed by FEMA for Middlesex, Hunterdon, Burlington and Camden counties. Morris County has developed their own LiDAR-derived county-wide DEM. Monmouth County has developed county-wide photogrammetric contours with 2-foot intervals. The National Geospatial Intelligence Agency (NGA) is in the process of developing a LiDAR dataset for the New York Metropolitan Area, including all or parts of Passaic, Bergen, Essex, Hudson, Union, Middlesex and Monmouth counties. FEMA is funding a study of the Delaware River in 2007 that will provide LiDAR data in parts of Sussex, Warren, Hunterdon and Mercer counties. Gloucester County has funding in place to collect LiDAR data in Fall 2007/Spring 2008. The USGS and NJDEP Elevation Task Force are attempting to coordinate collection efforts in order to compile a once-over statewide LiDAR dataset for New Jersey.

# State Geospatial Data Coordination Procedure

## *Data Distribution Process for State Data*

New Jersey has central distribution capability through NJGIN. Certain federal, county and state owned data are distributed through this site and distribution is only limited by entities that publish to the site.

Data distribution is divided into downloadable data, live data and offline data. Data licensing agreements are identified where needed. To ascertain distribution information for selected data cataloged on NJGIN, please refer to the data's associated metadata.

## 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

An inventory of geospatial data products can be found at the New Jersey Geographic Information Network (NJGIN) <http://njgin.nj.gov>. The NJGIN Administrator is Kate McGuire, NJOIT-Office of GIS, [kate.mcguire@oit.state.nj.us](mailto:kate.mcguire@oit.state.nj.us), phone (609) 633-8910.

Metadata for the inventory of geospatial products is FGDC compliant and in XML format. Data requiring fees and special licensing restrictions are identified on the site in the data's respective metadata records.

## 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=NJ>>

Additional useful contacts for the State can be found at <[http://www.state.nj.us/ogis/gis\\_links.html](http://www.state.nj.us/ogis/gis_links.html)>.

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

When participating in the FEMA flood hazard mapping effort, NJOIT prefers to be contacted in the following ways:

- a. Send project list at the start of each year
- b. Conference call at the start of data discovery for each individual project
- c. Coordinate at local GIS meetings and conferences
- d. Send information once project scope is finalized
- e. NJOIT will continue to coordinate closely with the New Jersey Department of Environmental Protection (NJDEP), the state's Flood Plain Management Office.

NJOIT has a working relationship with FEMA Region 2 and NJDEP, the agency responsible for updating the multi-hazard maps and providing input to the state’s flood map modernization business plan.

### State Coordination Process for Building Geospatial Partnerships

The New Jersey GeoSpatial Forum <[https://njgin.state.nj.us/OIT\\_NJGF/index.jsp](https://njgin.state.nj.us/OIT_NJGF/index.jsp)> effectively serves as the statewide GIS Council. The Forum combines the New Jersey Geographic Information Council (NJGIC) and the State Mapping Advisory Committee

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(SMAC). The Forum is open to public, private and academic organizations interested in geospatial technology. Regular meetings of the group and subcommittees are held throughout the year.

## 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>>.

FEMA program information and production notices can be forwarded to the NJGIN Administrator for posting on the NJGIN website which is accessible to state and local GIS contacts. The contact information for forwarding notices is:

NJGIN Administrator Kate McGuire NJOIT-Office of GIS  
[kate.mcguire@oit.state.nj.us](mailto:kate.mcguire@oit.state.nj.us) (609) 633-8910

The counties maintain the majority of spatial data though the state administers the orthophotography program. In addition to county data, New Jersey has several large cities with their own spatial data. The NJGIN Administrator can mail FEMA information and notices directly to county and city GIS contacts.

## 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.