

State Geospatial Data Coordination Procedure

New Jersey

FINAL

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FEMA

State Geospatial Data Coordination Procedure

New Jersey

Table of Contents

Purpose of the Procedure.....	1
Default Flood Hazard Base Map for the State.....	2
Geospatial Data Coverage.....	2
Major State Holdings.....	2
Orthophotos.....	2
Transportation (roads, railroads, and airports).....	2
Hydrography (rivers, streams, lakes, and shorelines).....	3
Political boundaries (county, municipal).....	3
Publicly owned lands (national, state, and local parks, forests, etc).....	3
Cadastral (parcels).....	4
Terrain (elevation).....	4
Data Distribution Process for State Data.....	6
Useful Risk MAP Discovery Data Sources.....	6
Federal Nationwide Geospatial Data Holdings.....	10
Finding and Accessing Other Existing Geospatial Data.....	10
Clearinghouses and Inventories for the State.....	10
National Digital Orthophoto Program (NDOP) and National Digital Elevation Program (NDEP) Tracking Systems.....	10
Geospatial One-Stop.....	11
Working with People.....	11
Useful State and Federal Contacts.....	11
Involving the State’s Geospatial Coordinator in Flood Studies.....	11
State Coordination Process for Building Geospatial Partnerships.....	11
Finding Local Geospatial Contacts.....	11
Provide Feedback on This Procedure.....	12

State Geospatial Data Coordination Procedure

Purpose of the Procedure

Flood Insurance Studies search for geospatial data during Discovery 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 portal, which is available at http://pm.riskmapcds.com/riskmap_usergroups/GeoCoord/default.aspx (password required).

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 flood insurance studies, information for the project Discovery stage, 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 Support Center (RSC):

Curtis Smith, Geospatial Data Coordination Lead
RAMPP Regional Support Center 2
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We appreciate the help of those who reviewed this document, in particular

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State Geospatial Data Coordination Procedure

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Date Procedure last discussed: February 2007

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 the links to statewide (and Federal agencies' national) geospatial datasets. The list is provided to save time during Discovery 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 2012 High Resolution Orthophotography (compressed, 4-band, 5000' by 5000' tiles) (MrSID format and WMS)
Data currentness: April 2012,
Accuracy/Scale: 1:2,400 (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 Office of Information Technology (NJOIT), Office of Geographic Information Systems (GIS)
Dataset contact: New Jersey Geographic Information Network (NJGIN), New Jersey Office of GIS, 200 Riverview Plaza, PO Box 212, Trenton, NJ 08625-0212; (609) 633-9103; Fax (609) 633-0200. Can be downloaded at
https://njgin.state.nj.us/NJ_NJGINExplorer/jviewer.jsp?pg=2012_OrthoImagery

Transportation (roads, railroads, and airports)

Dataset name: New Jersey Roadway Network
Data currentness: 6/2012
Accuracy/Scale: 1:2,400 (1"=200'). Horizontal datum: NAD83
Fee associated? No
Available for redistribution? Yes

State Geospatial Data Coordination Procedure

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.

Are road names in TIGER format? No, this dataset cannot be used for FIRMs that are using the 2013 FIRM Database schema without authorization by the FEMA Project Officer and conversion of its attributes to the 2013 FEMA schema.

Dataset source: New Jersey Department of Transportation, GIS at <http://www.nj.gov/transportation/gis/data.shtm>

Dataset contact: Mark Gulbinsky, GIS Specialist, NJ Department of Transportation, Bureau of Transportation Data Development, 1035 Parkway Ave., Trenton, New Jersey 08625; 609-530-3097; Fax 609-530-4508, mark.gulbinsky@dot.state.nj.us.

Hydrography (rivers, streams, lakes, and shorelines)

Dataset name: NHD Streams in New Jersey 2002, Edition 20101101

Data currentness: Based on 2002 New Jersey Orthophotos, Publication date: 11/2010

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: NJDEP at: <http://www.nj.gov/dep/gis/strmnet.html>

Dataset contact: Craig Coutros, GIS Specialist, 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 Download available at https://njgin.state.nj.us/NJ_NJGINExplorer/DataDownloads.jsp.

Political boundaries (county, municipal)

Dataset name: Municipalities of New Jersey

Data currentness: 3/2013

Accuracy/Scale: 1:2,400

Horizontal datum: NAD 83

Fee associated? No

Available for redistribution? Yes

Are boundary names part of the dataset? Yes

Dataset source: The Office of GIS (NJGIN) at:

https://njgin.state.nj.us/NJ_NJGINExplorer/DataDownloads.jsp

Dataset contact: Douglas Schleifer, GIS Specialist, NJOIT, Office of GIS, PO Box 212, Trenton NJ 08625; (609) 984-7544 Fax (609) 633-0400. Doug.schleifer@oit.state.nj.us.

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

Dataset name: NJDEP County Open Space and Recreation Areas in New Jersey

Data currentness: 07/2011

Accuracy/Scale: various

Horizontal datum: NAD83

Fee associated? No

Available for redistribution? Yes

Are publicly owned land names part of the dataset? Yes

State Geospatial Data Coordination Procedure

Dataset source: NJDEP

<http://www.state.nj.us/dep/>

Dataset contact: gisnet@dep.state.nj.us

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: 12/10/2008

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: NJDEP at: <http://www.state.nj.us/dep/gis/stateshp.html#STOPEN>

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

Cadastral (parcels)

Dataset name: State of New Jersey Composite of Parcels Data

Notes: Data for 21 counties and 7 municipalities is available for download. See information on statewide parcel update at

https://njgin.state.nj.us/oit/gis/NJ_NJGINExplorer/docs/parcelAnnounce20130326.pdf

Data currentness: 3/2013

Fee associated? No

Available for redistribution? Yes

Dataset Source: NJOIT, Office of GIS

Dataset Contact: NJOIT, Office of GIS, P.O Box 212, Trenton NJ 08625;

(609) 984-7544, Fax (609) 633-0400. Download available at

https://njgin.state.nj.us/NJ_NJGINExplorer/IW.jsp?DLayer=Parcels by County/Muni

Terrain (elevation)

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

Data currentness: 6/2002

Accuracy/Scale: unknown

Vertical datum: NAVD 88

Fee associated? No

Available for redistribution? Yes

Dataset source: NJDEP at: <http://www.state.nj.us/dep/gis/stateshp.html#STCON>

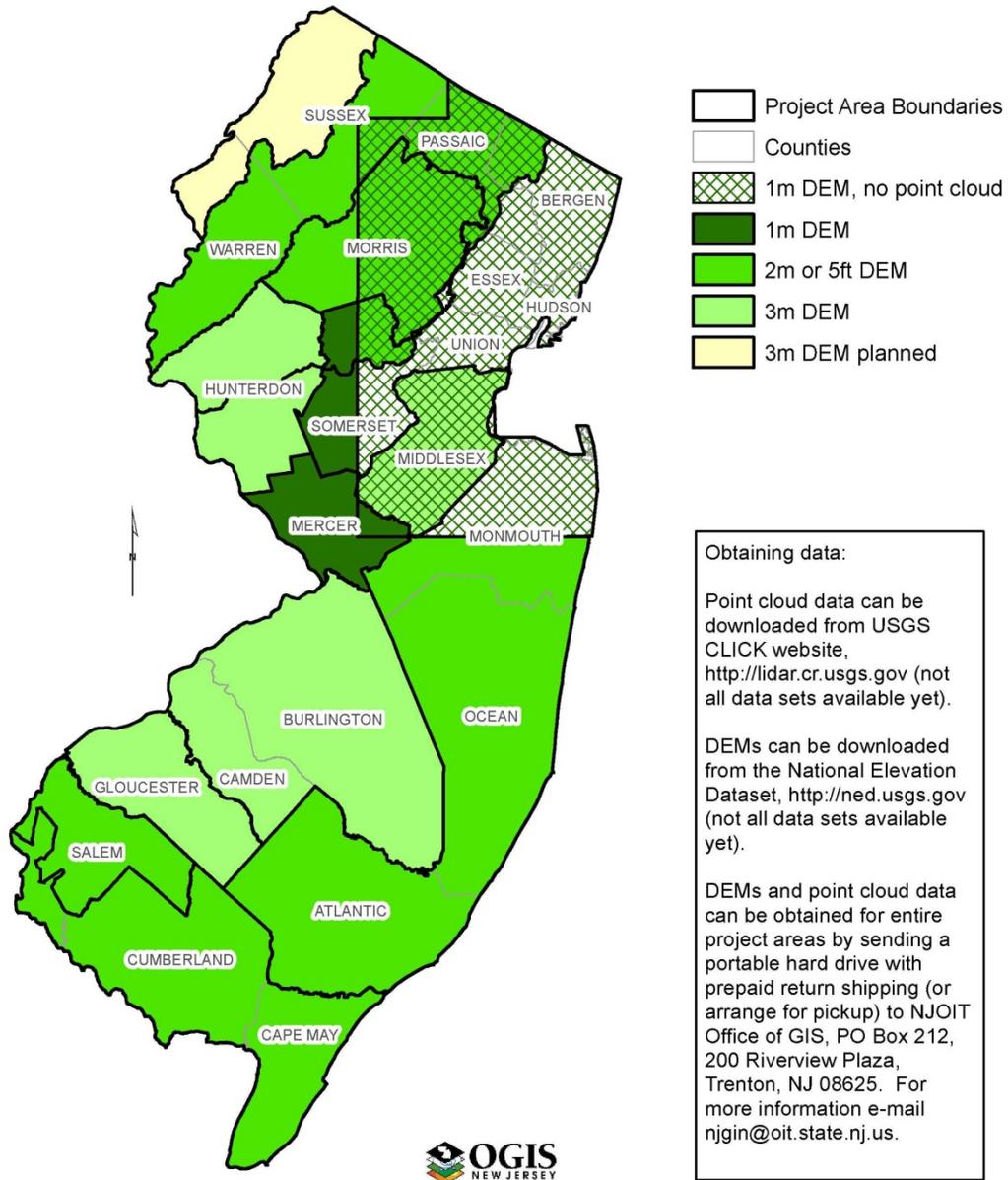
Dataset contact: Craig Coutros, NJDEP/OIRM/BGIS, 401 East State Street, First Floor, PO Box 428, Trenton, New Jersey 08625-0428; 609-777-0672; Fax 609-292-7900.

Craig.coutros@dep.state.nj.us.

Notes: Several sources of higher accuracy elevation data sets are available within the State. See figure below for a map produced by NJGIN for New Jersey LiDAR status, as of May 2012, with instructions on obtaining the data.

State Geospatial Data Coordination Procedure

NJ Lidar Status May 2012



NJ Office of GIS, 5/16/2012

Source: NJGIN, https://njgin.state.nj.us/oit/gis/NJ_NJGINExplorer/docs/NJ_lidar_status.pdf

State Geospatial Data Coordination Procedure

Data Distribution Process for State Data

New Jersey has central distribution capability through NJGIN. Certain Federal, county and State entities that publish data to this site limit distribution of the data they own. 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.

Useful Risk MAP Discovery Data Sources

Preliminary information on Discovery data sources is provided in this document to reduce the level of effort needed on each subsequent Discovery data collection effort. Coordination with local community sponsors for additional local data still remains an integral part of Discovery and local data should be used where appropriate.

The *National Discovery Data Coordination Procedure* document contains information on data resources available from other Federal agencies (OFAs), including those that FEMA maintains at the national level, and should be used in conjunction with this *State Geospatial Data Coordination Procedure* document. In addition, FEMA and its contractors have created a geospatial Discovery Data Repository to host data that are not readily accessible through direct sources such as Web sites or subscription services and/or are not updated on a frequent basis. Instructions on accessing the Discovery Data Repository are given in the *National Discovery Data Coordination Procedure* document.

Table 1 identifies data resources that are available at the regional and state levels, and also if there are no data available other than the national datasets. Resources in this table have been identified as appropriate for Discovery projects and may not represent the best data sources for FIRM production (please see the Major State Holdings section of this document for geospatial data that meet FIRM production requirements).

Table 1. Discovery Data Resources

Data	Agency	Location
Watershed boundaries	National	See <i>National Discovery Data Coordination Procedure</i>
Jurisdictional boundaries	NJGIN	https://njgin.state.nj.us/NJ_NJGINExplorer/index.jsp PO Box 212, Trenton NJ 08625-0212 Phone: (609) 984-7544 Fax (609) 633-0400.
	National	See <i>National Discovery Data Coordination Procedure</i>
Tribal land boundaries	National	See <i>National Discovery Data Coordination Procedure</i>

State Geospatial Data Coordination Procedure

Data	Agency	Location
State lands	NJDEP	http://www.state.nj.us/dep/gis/stateshp.html 401 East State Street, First Floor, PO Box 428, Trenton, New Jersey 08625-0428; Phone: 609-777-0672 Fax 609-292-7900
Federal lands	National	See <i>National Discovery Data Coordination Procedure</i>
Major roads	New Jersey Department of Transportation	http://www.nj.gov/transportation/gis/data.shtm See <i>National Discovery Data Coordination Procedure</i>
Streams	NJDEP	http://www.nj.gov/dep/gis/strmnet.html See <i>National Discovery Data Coordination Procedure</i>
Coastal Barrier Resource Areas	National	See <i>National Discovery Data Coordination Procedure</i>
Coordinated Needs Management Strategy	National	See <i>National Discovery Data Coordination Procedure</i>
Topographic/ bathymetric data	NJDEP	http://www.state.nj.us/dep/gis/stateshp.html See <i>National Discovery Data Coordination Procedure</i>
AAL data from Hazus	National	See <i>National Discovery Data Coordination Procedure</i>
Coverage areas for known community and Tribal risk assessment data	Local	Local
Status of Hazard Mitigation Plans	National	See <i>National Discovery Data Coordination Procedure</i>
Flood control structure data	Natural Resources Conservation Service (NRCS)	South Jersey Levee Inventory http://www.nrcs.usda.gov/wps/portal/nrcs/detail/nj/water/?cid=nrcs141p2_018968 See <i>National Discovery Data Coordination Procedure</i>
Locations of stream gages	National	See <i>National Discovery Data Coordination Procedure</i>

State Geospatial Data Coordination Procedure

Data	Agency	Location
Locations of past flood claims and repetitive loss properties	National	See <i>National Discovery Data Coordination Procedure</i>
Locations of clusters of Letters of Map Change	National	See <i>National Discovery Data Coordination Procedure</i>
Known flooding issues not represented on effective FIRMs or listed in Coordinated Needs Management Strategy database	Local	Local
Areas of planned development	Local	Local
Areas of land use change datasets	Local	Local
Locations of ongoing projects or updated stream studies (e.g., highway improvements)	Local	Local
Locations of wave and tide gages	National	See <i>National Discovery Data Coordination Procedure</i>
Locations of wind gages	National	See <i>National Discovery Data Coordination Procedure</i>
Proposed inland limit of the Primary Frontal Dune, if present	The Richard Stockton College Coastal Research Center	http://intraweb.stockton.edu/eyos/page.cfm?siteID=149&pageID=1 30 Wilson Ave., Port Republic, NJ 08241, Phone (609) 652-4245 Fax: (609) 748-0656
Locations of any beach nourishment or dune restoration projects	The Richard Stockton College Coastal Research Center	http://intraweb.stockton.edu/eyos/page.cfm?siteID=149&pageID=1
Comparison of preliminary stillwater elevations with effective stillwater elevations	Local	Local
Available effective study data	National	See <i>National Discovery Data Coordination Procedure</i>
Orthophotography	NJGIN	https://njgin.state.nj.us/NJ_NJGINExplorer/index.jsp
	National	See <i>National Discovery Data Coordination Procedure</i>
Proposed discussion areas, problem areas, areas of proposed mitigation projects	Local	Local
Land use and soil information	National	See <i>National Discovery Data Coordination Procedure</i>
Reference points to locate areas with flooding issues	Local	Local
Hydraulic structures	National	See <i>National Discovery Data Coordination Procedure</i>

State Geospatial Data Coordination Procedure

Data	Agency	Location
Coastal structures, including flood protection structures, shoreline structures, manmade embankments, surge conveyance pathways, and shoreline change data	The Richard Stockton College Coastal Research Center	http://inraweb.stockton.edu/eyos/page.cfm?siteID=149&pageID=11
	NJDEP	http://www.state.nj.us/dep/gis/stateshp.html
	National	See <i>National Discovery Data Coordination Procedure</i>
Local structure and topographic data from the existing hazard mitigation plans	Local	Local
Historic inundation areas and High Water Marks	Regional	Discovery Data Repository
Clusters or locations of Individual Assistance/Public Assistance grants and locations of grant projects completed, planned, or underway	National	See <i>National Discovery Data Coordination Procedure</i>
Locations of projects and structures completed or planned for FEMA Hazard Mitigation Assistance grant programs or mitigation funds from other agencies or entities, such as the Small Business Administration	National	See <i>National Discovery Data Coordination Procedure</i>
Other information on FEMA grants	Local	Local
Any data deficiencies identified in hazard mitigation plans	Local	Local
Information from FloodSmart on market penetration	National	See <i>National Discovery Data Coordination Procedure</i>
Community Assistance Visits / Community Assistance Contacts	National	See <i>National Discovery Data Coordination Procedure</i>
Community Rating System class information	National	See <i>National Discovery Data Coordination Procedure</i>
Information from other Federal agencies	National	See <i>National Discovery Data Coordination Procedure</i>
Information from State agencies, non-profit organizations, universities, etc.	Local	Local
Current community plans, ordinances, or programs to alleviate flooding or manage stormwater	National	See <i>National Discovery Data Coordination Procedure</i>
Other known hazards with geographical boundaries (e.g., earthquake faults)	National	See <i>National Discovery Data Coordination Procedure</i>
Information on active disasters	National	See <i>National Discovery Data Coordination Procedure</i>

State Geospatial Data Coordination Procedure

Data	Agency	Location
Campgrounds, recreational areas, emergency access routes, etc.	NJDEP	http://www.state.nj.us/dep/gis/stateshp.html
	National	See <i>National Discovery Data Coordination Procedure</i>
Any other data that might be appropriate	Local	Local

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/ProgFacts1.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 NJGIN https://njgin.state.nj.us/NJ_NJGINExplorer/index.jsp. The NJGIN Administrator is Kate McGuire, NJOIT-Office of GIS, 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.

The NJDEP also has datasets available for download at <http://www.nj.gov/dep/gis/stateshp.html>.

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."

State Geospatial Data Coordination Procedure

Geospatial One-Stop

Geospatial One-Stop, available at <http://www.data.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 the 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/it/oit/gis/>

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 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 Risk MAP business plan.

State Coordination Process for Building Geospatial Partnerships

The New Jersey GeoSpatial Forum 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 (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

State Geospatial Data Coordination Procedure

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 (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.

The Geospatial Point of Contact for elevation data in New Jersey is:

Roger Barlow
USGS State Liaison
(703) 648-5189
rbarlow@usgs.gov

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 RSC 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.