

State Geospatial Data Coordination Procedure

District of Columbia

FINAL

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FEMA

State Geospatial Data Coordination Procedure

District of Columbia

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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 District geospatial participation in flood insurance studies, information for the project Discovery stage, and other useful information for the District.

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):

Christine Bell, Geospatial Data Coordination Lead

Compass Regional Support Center 3

(732)865-9559

cbell@tandmassociates.com

Default Flood Hazard Base Map for the District

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

Geospatial Data Coverage

Below, you will find links to statewide and federal agencies' national geospatial datasets and information about them. 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 District Holdings

Orthophotos

Dataset name: Aerial Photography (Orthophoto) 2015

Data currentness: 04/2015

Accuracy/Scale: 3 inch resolution

Horizontal datum: NAD 83 meters, Maryland State Plane

Fee associated? No

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Available for redistribution? Yes

Dataset source: D.C. Office of the Chief Technology

Dataset contact: GIS Data Coordinator, D.C. Office of the Chief Technology,

<http://opendata.dc.gov/>, (202) 727-2277, dcgis@dc.gov

Transportation (roads, railroads, and airports)

Dataset name: Street Segments; Railroads

Data currentness: Streets: 11/17/2014; Railroads: 04/24/2015

Accuracy/Scale: Streets: Unknown; Railroads: Unknown

Horizontal datum: Streets: NAD 83 meters, Maryland State Plane; Railroads: NAD 83 meters, Maryland State Plane

Fee associated? No

Available for redistribution? Yes

Are road names part of the dataset? Yes

Are road names in TIGER format? Unknown

Dataset source: Streets: District Department of Transportation; Railroads: Washington D.C. Office of the Chief Technology Officer, <http://opendata.dc.gov/>

Dataset contact: Both: GIS Data Coordinator, D.C. Office of the Chief Technology Officer, (202) 727-5660, dcgis@dc.gov

Hydrography (rivers, streams, lakes, and shorelines)

Dataset name: Hydrography Centerline Data currentness: 8/4/2006 Accuracy/Scale: 1:1,200

Horizontal datum: NAD 83 meters, Maryland State Plane Fee associated? No

Available for redistribution? Yes

Dataset source: D.C. Office of the Chief of Technology Officer, <http://opendata.dc.gov/>

Dataset contact: GIS Data Coordinator, D.C. Office of the Chief Technology Officer, (202) 727-5660, dcgis@dc.gov

Political boundaries (county, municipal)

Dataset name: DC Boundary Data currentness: 7/4/2013 Accuracy/Scale: 1:1,000

Horizontal datum: NAD 83 meters, Maryland State Plane Fee associated? No

Available for redistribution? Yes

Dataset source: D.C. Office of the Chief of Technology Officer, <http://opendata.dc.gov/>

Dataset contact: GIS Data Coordinator, D.C. Office of the Chief Technology Officer, (202) 727-5660, dcgis@dc.gov

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

Dataset name: National Parks (ParksPly)

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Data currentness: 03/11/2014 Accuracy/Scale: 1:24,000

Horizontal datum: NAD 83 meters, Maryland State Plane Fee associated? No

Available for redistribution? Yes

Dataset source: National Park Service; <http://opendata.dc.gov/>

Dataset contact: GIS Data Coordinator, D.C. Office of the Chief Technology Officer,
(202) 727-5660, dcgis@dc.gov

Dataset name: Parks and Recreation (DC Parks) Data currentness: 03/11/2014

Accuracy/Scale: Unknown

Horizontal datum: NAD 83 meters, Maryland State Plane Fee associated? No

Available for redistribution? Yes

Dataset source: National Park Service; DC Department of Parks and Recreation,
<http://opendata.dc.gov/>

Dataset contact: GIS Data Coordinator, D.C. Office of the Chief Technology Officer,
(202) 727-5660, dcgis@dc.gov

Dataset name: Cultural Areas (CulturePly) Data currentness: Unknown

Accuracy/Scale: 1:10,000

Horizontal datum: NAD 83 meters, Maryland State Plane Fee associated? No

Available for redistribution? Yes

Dataset source: DC Department of Parks and Recreation, <http://opendata.dc.gov/>

Dataset contact: GIS Data Coordinator, D.C. Office of the Chief Technology Officer,
(202) 727-5660, dcgis@dc.gov

Cadastral (parcels)

Dataset name: Parcel Lots

Data currentness: updated weekly Accuracy/Scale: 1:100

Horizontal datum: NAD 83 meters, Maryland State Plane Fee associated? No

Available for redistribution? Yes

Dataset source: Department of Consumer of Regulatory Affairs-Office of the Surveyor; Office of Tax and Revenue-Real Property Tax Administration, <http://opendata.dc.gov/>

Dataset contact: GIS Data Coordinator, D.C. Office of the Chief Technology Officer,
(202) 727-5660, dcgis@dc.gov

Terrain (elevation)

Dataset name: Topography – 2 Foot Contours

Data currentness: 12/2/2009

Accuracy/Scale: Vertical RMSE of 1.0 feet; meets ASPRS Class 1.5 Accuracy Standards

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Horizontal datum: NAD 83 meters, Maryland State Plane

Fee associated? No

Available for redistribution? Yes

Dataset source: D.C. Office of the Chief Technology Officer, <http://opendata.dc.gov/>

Dataset contact: GIS Data Coordinator, D.C. Office of the Chief Technology Officer, (202) 727-5660, dcgis@dc.gov

Dataset name: Elevation – DEM (DC Mosaic) Data currentness: 2008

Accuracy/Scale: Unknown Horizontal datum: Unknown Fee associated? No

Available for redistribution? Yes

Dataset source: Eastern Shore Regional GIS Cooperative (ESRGC), <http://lidar.salisbury.edu/arcgis/rest/services>; <http://www.esrgc.org/>

Dataset contact: Eastern Shore Regional GIS Cooperative (ESRGC), esrgc@salisbury.edu; <http://www.esrgc.org/>

Data Distribution Process for District Data

All GIS data for FEMA’s Risk MAP Program will be obtained through the District of Columbia Office of the Chief Technology Officer (OCTO). OCTO serves as the District GIS Coordinating entity and any datasets that will be used will come through this office and/or the District’s Spatial Data Clearinghouse, which is maintained by OCTO. Data available through OCTO can be used without licensing considerations or fees.

OCTO: <http://octo.dc.gov/>

DC Data Catalog: <http://opendata.dc.gov/>

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).

State Geospatial Data Coordination Procedure

Table 1. Discovery Data Resources

Data	Agency	Location
Watershed boundaries	DC GIS Data Clearinghouse National	http://opendata.dc.gov/ POC: Julia Evans DDOE Environmental Engineer (202) 497-7700 julia.evans@dc.gov <i>See National Discovery Data Coordination Procedure</i>
Jurisdictional boundaries	DC GIS Data Clearinghouse National	http://opendata.dc.gov/ POC: Julia Evans DDOE Environmental Engineer (202) 497-7700 julia.evans@dc.gov <i>See National Discovery Data Coordination Procedure</i>
Tribal land boundaries	National	<i>See National Discovery Data Coordination Procedure</i>
State lands	DC GIS Data Clearinghouse	http://opendata.dc.gov/
Federal lands	DC GIS Data Clearinghouse National	http://opendata.dc.gov/ POC: Julia Evans DDOE Environmental Engineer (202) 497-7700 julia.evans@dc.gov <i>See National Discovery Data Coordination Procedure</i>
Major roads	DC GIS Data Clearinghouse National	http://opendata.dc.gov/ POC: Julia Evans DDOE Environmental Engineer (202) 497-7700 julia.evans@dc.gov <i>See National Discovery Data Coordination Procedure</i>
Streams	DC GIS Data Clearinghouse National	http://opendata.dc.gov/ POC: Julia Evans DDOE Environmental Engineer (202) 497-7700 julia.evans@dc.gov <i>See National Discovery Data Coordination Procedure</i>
Coastal Barrier Resource	N/A	N/A

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Data	Agency	Location
Coordinated Needs Management Strategy	National	See <i>National Discovery Data Coordination Procedure</i>
Topographic/ bathymetric data	DC GIS Data Clearinghouse	http://opendata.dc.gov/ POC: Julia Evans DDOE Environmental Engineer (202) 497-7700 julia.evans@dc.gov
	National	See <i>National Discovery Data Coordination Procedure</i>
AAL data from Hazus	RSC	Use of AAL data from Hazus should be coordinated with RSC 3.
	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	DC GIS Data Clearinghouse	http://opendata.dc.gov/ POC: Julia Evans DDOE Environmental Engineer (202) 497-7700 julia.evans@dc.gov
	National	See <i>National Discovery Data Coordination Procedure</i>
Locations of stream gages	National	See <i>National Discovery Data Coordination Procedure</i>
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	Local	Local
Areas of planned development	DC GIS Data Clearinghouse	http://opendata.dc.gov/ POC: Julia Evans DDOE Environmental Engineer (202) 497-7700 julia.evans@dc.gov

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Data	Agency	Location
Areas of land use change datasets	DC GIS Data Clearinghouse National	http://opendata.dc.gov/ POC: Julia Evans DDOE Environmental Engineer (202) 497-7700 julia.evans@dc.gov <i>See National Discovery Data Coordination Procedure</i>
Locations of ongoing projects or updated stream studies (e.g., highway improvements)	Local	Local
Locations of wave and tide gages	N/A	N/A
Locations of wind gages	N/A	N/A
Proposed inland limit of the Primary Frontal Dune, if present	N/A	N/A
Locations of any beach nourishment or dune restoration projects Required	N/A	N/A
Comparison of preliminary stillwater elevations with effective stillwater elevations	N/A	N/A
Available effective study data	National	<i>See National Discovery Data Coordination Procedure</i>
Orthophotography	DC GIS Data Clearinghouse National	http://opendata.dc.gov/ POC: Julia Evans DDOE Environmental Engineer (202) 497-7700 julia.evans@dc.gov <i>See National Discovery Data Coordination Procedure</i>
Proposed discussion areas, problem areas, areas of proposed mitigation projects	Local	Local
Land use and soil information	DC GIS Data Clearinghouse National	http://opendata.dc.gov/ <i>See National Discovery Data Coordination Procedure</i>
Reference points to locate areas with flooding issues	DC GIS Data Clearinghouse	http://opendata.dc.gov/ POC: Julia Evans DDOE Environmental Engineer 202-497-7700 julia.evans@dc.gov

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Data	Agency	Location
Hydraulic structures	DC GIS Data Clearinghouse National	http://opendata.dc.gov/ POC: Julia Evans DDOE Environmental Engineer 202-497-7700 julia.evans@dc.gov <i>See National Discovery Data Coordination Procedure</i>
Coastal structures, including flood protection structures, shoreline structures, manmade embankments, surge conveyance pathways, and shoreline change data	N/A	N/A
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	National	<i>See 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	National	<i>See National Discovery Data Coordination Procedure</i>
Other information on FEMA grants	Local	Local
Any data deficiencies identified in hazard mitigation	Local	Local
Information from FloodSmart on market penetration	National	<i>See National Discovery Data Coordination Procedure</i>
Community Assistance Visits / Community Assistance Contacts	National	<i>See National Discovery Data Coordination Procedure</i>
Community Rating System class information	National	<i>See National Discovery Data Coordination Procedure</i>

State Geospatial Data Coordination Procedure

Data	Agency	Location
Information from other Federal agencies	DC GIS Data Clearinghouse National	http://opendata.dc.gov/ POC: Julia Evans DDOE Environmental Engineer 202-497-7700 julia.evans@dc.gov <i>See National Discovery Data Coordination Procedure</i>
Information from State agencies, non-profit organizations, universities, etc.	DC GIS Data Clearinghouse National	http://opendata.dc.gov/ POC: Julia Evans DDOE Environmental Engineer 202-497-7700 julia.evans@dc.gov <i>See National Discovery Data Coordination Procedure</i>
Current community plans, ordinances, or programs to alleviate flooding or manage stormwater	National	<i>See National Discovery Data Coordination Procedure</i>
Other known hazards with geographical boundaries (e.g., earthquake faults)	DC Department of Homeland Security and Emergency Management National	http://hsema.dc.gov/ Homeland Security and Emergency Management Agency 2720 Martin Luther King Jr. Avenue, SE Washington, DC 20032 (202) 727-6161 <i>See National Discovery Data Coordination Procedure</i>
Information on active disasters	DC Department of Homeland Security and Emergency Management National	http://hsema.dc.gov/ Homeland Security and Emergency Management Agency 2720 Martin Luther King Jr. Avenue, SE Washington, DC 20032 (202) 727-6161 <i>See National Discovery Data Coordination Procedure</i>
Campgrounds, recreational areas, emergency access routes, etc.	DC GIS Data Clearinghouse National	http://opendata.dc.gov/ POC: Julia Evans DDOE Environmental Engineer 202-497-7700 julia.evans@dc.gov <i>See 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

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<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 District. 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 District

DC GIS Data Clearinghouse: <http://dcatlas.dcgis.dc.gov/catalog/> DC GIS viewer: <http://atlasplus.dcgis.dc.gov/>

MD iMAP LiDAR Overview: <http://imap.maryland.gov/Pages/lidar.aspx>

3D Elevation Program

The U.S. Geological Survey (USGS) National Geospatial Program is developing the 3D Elevation Program (3DEP) to respond to growing needs for high-quality topographic data and for a wide range of other three-dimensional (3D) representations of the Nation's natural and constructed features. The primary goal of 3DEP is to systematically collect 3D elevation data in the form of light detection and ranging (lidar) data over the conterminous United States, Hawaii, and the U.S. territories, with data acquired over an 8-year period. Interferometric synthetic aperture radar (IfSAR) data will be acquired for Alaska, where cloud cover and remote locations preclude the use of lidar in much of the State. The 3DEP initiative is based on the results of the National Enhanced Elevation Assessment that documented more than 600 business uses across 34 Federal agencies, all 50 States, selected local government and Tribal offices, and private and nonprofit organizations.

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 District and Federal Contacts

The main contacts for the District’s geospatial activities and Federal agencies’ representatives in the District are available on the Mapping Information Platform web site at <https://hazards.fema.gov/contacts/statecontacts/contacts.asp?page=DC>

Involving the District’s Geospatial Coordinator in Flood Studies

Contact Rob Mancini, Chief Technology Officer for Washington, D.C., at octo@dc.gov, or (202) 727-2277.

State Geospatial Data Coordination Procedure

District Coordination Process for Building Geospatial Partnerships

OCTO develops, implements, and maintains the District's IT and telecommunications infrastructure; develops and implements major citywide applications; establishes and oversees IT enterprise architecture and website standards for the District; and advises District agencies on technology solutions to improve services to businesses, residents and visitors in all areas of District government.

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 District's Office of Planning and OCTO are most involved in developing geospatial data at the local level.

Provide Feedback on This Procedure

When you find information in this Procedure or in other FEMA or District 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.

Other Useful Information

FEMA Region III Elevation Data Updates

The RSC maintains an inventory of best available topographic datasets throughout FEMA Region III. These datasets may be of higher resolution than the aforementioned district-wide elevation datasets that are available.