

State Geospatial Data Coordination Procedure

District of Columbia

FINAL

October 31, 2020



FEMA

State Geospatial Data Coordination Procedure

District of Columbia

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State Geospatial Data Coordination Procedure

Purpose of the Procedure

The Department of Homeland Security's (DHS) Federal Emergency Management Agency (FEMA) prepared the Geospatial Data Coordination Procedures to outline sources of geospatial data and contact information, preferences for base map data and state geospatial participation in flood insurance studies, and other useful information. The Procedures provide information of common interest to the multiple flood insurance studies that occur in a State, and save the studies the effort required to repeatedly discover this information independently.

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):

Victoria Arthur, Geospatial Data Coordination Lead
Compass Regional Support Center 3
(215) 486-4366
varthur@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.

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Major District Holdings

Orthophotos

Dataset name: Aerial Photography (Orthophoto SID) 2019
Data currentness: 02/13/2020
Accuracy/Scale: 3 inch resolution
Horizontal datum: NAD 83 meters, Maryland State Plane
Fee associated? No
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: Roads; Railroads
Data currentness: Roads: 02/10/2020; Railroads: 02/10/2020
Accuracy/Scale: Roads: Unknown; Railroads: Unknown
Horizontal datum: Streets: Both: WGS 1984
Fee associated? No
Available for redistribution? Yes
Are road names part of the dataset? No
Are road names in TIGER format? Unknown
Dataset source: Both: 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
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

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Political boundaries (county, municipal)

Dataset name: DC Boundary

Data currentness: 07/03/2013

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

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

Data currentness: 03/15/2019

Accuracy/Scale: Unknown

Horizontal datum: WGS 1984

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

Data currentness: 06/25/2019

Accuracy/Scale: unknown

Horizontal datum: WGS 1984

Fee associated? No

Available for redistribution? Yes

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

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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: unknown

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; 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

Terrain (elevation)

Dataset name: Topography – 2 Foot Contours

Data currentness: 12/02/2009

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

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: WashingtonDC_2015_DEM_ft

Data currentness: 2015

Accuracy/Scale: Unknown

Horizontal datum: NAD 83 meters, Maryland State Plane

Fee associated? No

Available for redistribution? Yes

Dataset source: Eastern Shore Regional GIS Cooperative (ESRGC),
<https://lidar.geodata.md.gov/imap/rest/services/WashingtonDC>;

<http://www.esrgc.org/>

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

State Geospatial Data Coordination Procedure

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).

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Table 1. Discovery Data Resources

Data	Agency	Location
Watershed boundaries	DC GIS Data Clearinghouse	http://opendata.dc.gov/ POC: GIS Data Coordinator, D.C. Office of the Chief Technology Officer (202) 727-5660 dcgis@dc.gov
	National	See <i>National Discovery Data Coordination Procedure</i>
Jurisdictional boundaries	DC GIS Data Clearinghouse	http://opendata.dc.gov/ POC: GIS Data Coordinator, D.C. Office of the Chief Technology Officer (202) 727-5660 dcgis@dc.gov
	National	See <i>National Discovery Data Coordination Procedure</i>
Tribal land boundaries	National	See <i>National Discovery Data Coordination Procedure</i>
State lands	DC GIS Data Clearinghouse	http://opendata.dc.gov/
Federal lands	DC GIS Data Clearinghouse	http://opendata.dc.gov/ POC: GIS Data Coordinator, D.C. Office of the Chief Technology Officer (202) 727-5660 dcgis@dc.gov
	National	See <i>National Discovery Data Coordination Procedure</i>
Major roads	DC GIS Data Clearinghouse	http://opendata.dc.gov/ POC: GIS Data Coordinator, D.C. Office of the Chief Technology Officer (202) 727-5660 dcgis@dc.gov
	National	See <i>National Discovery Data Coordination Procedure</i>
Streams	DC GIS Data Clearinghouse	http://opendata.dc.gov/ POC: GIS Data Coordinator, D.C. Office of the Chief Technology Officer (202) 727-5660 dcgis@dc.gov
	National	See <i>National Discovery Data Coordination Procedure</i>

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Data	Agency	Location
Coastal Barrier Resource Areas	N/A	N/A
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: GIS Data Coordinator, D.C. Office of the Chief Technology Officer (202) 727-5660 dcgis@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: GIS Data Coordinator, D.C. Office of the Chief Technology Officer (202) 727-5660 dcgis@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 Management Strategy database	Local	Local
Areas of planned development	DC GIS Data Clearinghouse	http://opendata.dc.gov/ POC: GIS Data Coordinator, D.C. Office of the Chief Technology Officer (202) 727-5660 dcgis@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: GIS Data Coordinator, D.C. Office of the Chief Technology Officer (202) 727-5660 dcgis@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: GIS Data Coordinator, D.C. Office of the Chief Technology Officer (202) 727-5660 dcgis@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: GIS Data Coordinator, D.C. Office of the Chief Technology Officer (202) 727-5660 dcgis@dc.gov

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Data	Agency	Location
Hydraulic structures	DC GIS Data Clearinghouse National	http://opendata.dc.gov/ POC: GIS Data Coordinator, D.C. Office of the Chief Technology Officer (202) 727-5660 dcgis@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 underway	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 Administration	National	<i>See 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	<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>

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Data	Agency	Location
Information from other Federal agencies	DC GIS Data Clearinghouse National	http://opendata.dc.gov/ POC: GIS Data Coordinator, D.C. Office of the Chief Technology Officer (202) 727-5660 dcgis@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: GIS Data Coordinator, D.C. Office of the Chief Technology Officer (202) 727-5660 dcgis@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: GIS Data Coordinator, D.C. Office of the Chief Technology Officer (202) 727-5660 dcgis@dc.gov <i>See National Discovery Data Coordination Procedure</i>
Any other data that might be appropriate	Local	Local

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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/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://opendata.dc.gov/>

DC GIS viewer: <http://atlasplus.dcgis.dc.gov/>

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

National Digital Orthophoto Program (NDOP) and National Digital Elevation Program (NDEP) Tracking Systems

The National Digital Orthophoto Program project tracking system has been retired. The Federal Geospatial Platform maintains a marketplace for planned activities and an imagery community, which can be found at <https://www.geoplatform.gov/>.

Geospatial One-Stop

The Geospatial One-Stop has been superseded by the Federal Geospatial Platform, which can be found at <https://www.geoplatform.gov/>.

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 Ms. Lindsay Parker, 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.