

# State Geospatial Data Coordination Procedure

West Virginia

FINAL

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**FEMA**

# State Geospatial Data Coordination Procedure

## West Virginia

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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 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):

Victoria Arthur, Geospatial Data Coordination Lead  
Compass Regional Support Center 3  
(215) 486-4366  
[varthur@tandmassociates.com](mailto:varthur@tandmassociates.com)

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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. Orthophotography is the preferred base map.

## 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 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: Imagery – Arial 1m Orthophotos (2018 NAIP) – Natural Color and Color Infrared

Data currentness: 2018

Accuracy/Scale: 1:12,000

Ground sample resolution: 1-meter Ground Sample Distance (GSD). The imagery is rectified to a horizontal accuracy of within +/- 5 meters of reference digital ortho quarter quads from the National Digital Ortho Program.

Horizontal datum: NAD 83

Fee associated? No

Available for redistribution? Yes

Dataset source: The National Agriculture Imagery Program (NAIP), US Department of Agriculture. Available for download at <http://wvgis.wvu.edu/data/data.php>

Dataset contact: Frank Lafone, WV GIS Technical Coordinator (304) 293 – 0557  
[frank.lafone@mail.wvu.edu](mailto:frank.lafone@mail.wvu.edu)

Notes: Orthophotos are the default base maps for FIRMs in the State of WV.

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

Dataset Name: Major Roads, WV DOT (2008) and Census Tiger/Line 2011

Data currentness: 2008 and 2011

Horizontal Datum: NAD 83

Accuracy/Scale: 1:4800. Statewide coverage derived from 2003 SAMB aerial photography

Fee Associated: No

Available for distribution: Yes

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Are road names part of the dataset: Yes

Are road names in TIGER format? Yes

Dataset source: West Virginia SAMB and West Virginia Department of Transportation

Dataset Contact: Tony Simental, WV State GIS Coordinator, The Greenbrooke Building, 1124 Smith Street, Room LM-10, Charleston, WV 25301, Phone: (304) 558-4218, [tony.a.simental@wv.gov](mailto:tony.a.simental@wv.gov)

Hussein Elkhansa, WV DOT, [Hussein.S.Elkhansa@wv.gov](mailto:Hussein.S.Elkhansa@wv.gov)

Datasets can be downloaded at <http://wvgis.wvu.edu/data/data.php>

Notes: Separate file for Interstates, US Highways, State Highways, and County routes with attributes with route number, label, direction, and local name.

Dataset Name: Major Roads – All Routes; Railroads; Public Airports

Data currentness: all: 9/2020

Horizontal Datum: all: NAD 83

Accuracy/Scale: all: unknown

Fee Associated: No

Available for distribution: Yes

Are road names part of the dataset: No

Are road names in TIGER format? No

Dataset source: West Virginia Department of Transportation. Available for download at <https://transportation.wv.gov/highways/StrategicPerformance/gti/GIS/Pages/DataCatalog.aspx>

Dataset Contact: Geospatial Transportation Information (GTI), WV DOT, [GTIHelpDesk@wv.gov](mailto:GTIHelpDesk@wv.gov)

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

Dataset name: Streams (SAMB 1:4,800 Scale); Streams - National Hydrography Dataset (NHD - 24k)

Data currentness: SAMB: 2003; NHD: 2018

Accuracy/Scale: SAMB: 1:4,800; NHD: 1:24,000

Horizontal datum: NAD 83

Fee associated? No

Available for redistribution? Yes

Are hydrography names part of the dataset? Yes

Dataset source: SAMB: West Virginia GIS Technical Center, WV SAMB. Available for download at <http://wvgis.wvu.edu/data/data.php>; NHD: U.S. Geological Survey. Available

## State Geospatial Data Coordination Procedure

for download at <http://wvgis.wvu.edu/data/dataset.php?ID=235>

Dataset contact: WV GIS Technical Center, WVU Department of Geology & Geography, 330 Brooks Hall, P.O. Box 6300, Morgantown, 26506, [wvgis@wvu.edu](mailto:wvgis@wvu.edu). A list of contacts is also provided at <https://wvgis.wvu.edu/about/about-staff.php>.

Notes: SAMB: The local resolution basic hydrography dataset is a hybrid dataset developed by the West Virginia GIS Technical Center as part of the effort to create local resolution NHD data for West Virginia. It primarily consists of lines and polygons collected as part of the WV State Addressing and Mapping (WVSAMB) project. As such, most of the data are current as of the year 2003. This dataset also contains features from the high resolution (24,000 Scale) NHD dataset.

NHD: The data is updated and maintained through Stewardship partnerships with states and other collaborative bodies. The USGS is the primary steward for NHD. WVGISTC is the State Steward for NHD in West Virginia.

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

Dataset name: West Virginia County Boundaries

Data currentness: March 2005

Accuracy/Scale: 1:24,000

Horizontal datum: NAD 83

Fee associated? No

Available for redistribution? Yes

Dataset source: U.S. Geological Survey (USGS) and West Virginia Department of Environmental Protection. Available for download at <http://wvgis.wvu.edu/data/data.php>

Dataset contact: WV GIS Technical Center, WVU Department of Geology & Geography, 330 Brooks Hall, P.O. Box 6300, Morgantown, 26506, [wvgis@wvu.edu](mailto:wvgis@wvu.edu). A list of contacts is also provided at <https://wvgis.wvu.edu/about/about-staff.php>.

Notes: Digitized from USGS 1:24,000-scale Digital Raster Graphics (scanned topographic maps) by the West Virginia Department of Environmental Protection. First published January 2002, updated with Census 2000 data and re-published March 2005. Other higher resolution sources may be available on a county by county basis and should be used when available. There is no definitive county boundary file for the State of West Virginia that is acceptable to all stakeholders. Political boundaries will be obtained on a case by case basis from the best available source, usually the counties or from the WVDEP West Virginia County Boundaries, 2005 edition.

Dataset name: Incorporated Places, CDP 2018 TIGER/Line Shapefile

Data currentness: 2018

Accuracy/Scale: 1:12,000

Horizontal datum: NAD 83

Fee associated? No

Available for redistribution? Yes

# State Geospatial Data Coordination Procedure

Dataset source: U.S. Census Bureau. Available for download at

<http://wvgis.wvu.edu/data/data.php>

Dataset contact: WVU Department of Geology & Geography, 330 Brooks Hall, P.O. Box 6300, Morgantown, 26506, [wvgis@wvu.edu](mailto:wvgis@wvu.edu)

Notes: Place data are stored in the following separate geodatabase feature classes: Block, Block Group, Census Designated Places, Census Tract, County, County Subdivision and Incorporated Places. Other higher resolution sources may be available on a county by county basis and should be used when available.

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

Dataset name: Protected Areas Database (PAD-US)

Data currentness: 9/2018

Accuracy/Scale: unknown; As a compilation of many data sets, attribute completeness and accuracy may vary.

Horizontal datum: WGS 84

Fee associated? No

Available for redistribution? Yes

Dataset source: Gap Analysis Project (GAO), U.S. Geological Survey. Available for download at [https://www.usgs.gov/core-science-systems/science-analytics-and-synthesis/gap/science/pad-us-data-download?qt-science\\_center\\_objects=0#qt-science\\_center\\_objects](https://www.usgs.gov/core-science-systems/science-analytics-and-synthesis/gap/science/pad-us-data-download?qt-science_center_objects=0#qt-science_center_objects)

Dataset contact: Mason Croft, PAD-US Technical Coordinator/GIS Analyst, Boise State University, (208) 301 – 8288 [masoncroft@boisestate.edu](mailto:masoncroft@boisestate.edu)

Dataset: Public Lands – State Forests, National Forests, State Parks, National Parks and County/City Parks

Data currentness: varies (2017, 2018 and 2020)

Accuracy/scale: Varies (1:24,000 and 1:100,000)

Horizontal datum: NAD 83

Fee associated? No

Available for redistribution? Yes

Dataset source: State Forests: WV Division of Forestry; National Forests: U.S. Forest Service; State Parks: WV Division of Natural Resources; National Parks: National Park Service; County/City Parks: USGS Protected Areas Database. All are available for download at <http://wvgis.wvu.edu/data/data.php>

Dataset contact: State Forests: Steve Harouff, GIS Analyst, WV Division of Forestry, (304) 293-0056, [steven.e.harouff@wv.gov](mailto:steven.e.harouff@wv.gov). National Parks: Andy Steel, GIS Specialist, (301) 465 – 6556 [andy\\_steel@nps.gov](mailto:andy_steel@nps.gov).

## *Cadastral (parcels)*

Dataset name: Tax Maps – Surface and Mineral Parcels (Statewide)

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Data currentness: 9/2020

Accuracy/Scale: varies (1:4,800 and 1:1,200)

Horizontal datum: NAD 83

Fee associated? No

Available for redistribution? Yes

Dataset source: County Accessors and WV Department of Tax and Revenue. Available for download at <http://wvgis.wvu.edu/data/data.php>.

Dataset contact: WV GIS Technical Center, WVU Department of Geology & Geography, 330 Brooks Hall, P.O. Box 6300, Morgantown, 26506, [wvgis@wvu.edu](mailto:wvgis@wvu.edu). A list of contacts is also provided at <https://wvgis.wvu.edu/about/about-staff.php>

Note: The tax map was compiled from purposed of taxation form available record evidence and has not been field verified. This map is not a valid survey plat and the data on this map does not imply any official status to such data.

## *Terrain (elevation)*

Dataset name: Digital Elevation Model 1- to 3-Meter Statewide Mosaic; 1-meter LiDAR data collected between 2002-2009 is also available for several WV counties.

Data currentness: 2020

Varies Accuracy/Scale: Varies

Vertical datum: NAVD 88

Fee associated? No

Available for redistribution? Yes

Dataset source: FEMA, USGS, WV DEP, WV SAMB, WV Counties. Available for download at <http://wvgis.wvu.edu/data/data.php>.

Dataset contact: Frank Lafone, WV GIS Technical Coordinator (304) 293 – 0557  
[frank.lafone@mail.wvu.edu](mailto:frank.lafone@mail.wvu.edu)

Notes: The USGS and SAMB DEMs consist of an array of elevations for ground positions at regularly spaced 3-meter intervals. They were created from mass points and breaklines

collected as part of the WV SAMB's mission. However, caution should be used when considering their use in FEMA mapping efforts. The DEMs may be suitable for developing new approximate Zone A delineations in rural areas, but most if not all detailed Zone AE studies will have been developed on better data and should not be redelineated using a lower resolution dataset.

## *Data Distribution Process for State Data*

As mentioned above, West Virginia has a centralized data distribution process for GIS data through West Virginia GIS Technical Center (WVGISTC). Data are available via FTP or via HTTP at <http://wvgis.wvu.edu/data/data.php>.



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WVGISTC services are provided free of charge to all users. The [data](#) on WVGISTC is provided by Federal, State, local and regional government agencies, non-profit organizations, and academic institutions throughout the region.

Data licensing is dealt with on a dataset by dataset basis. Use is permitted only after agreeing to a terms of use and warranty disclaimer.

## 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 Preferred Base Map Sources section of this document for geospatial data that meet FIRM production requirements).

Table 1. Discovery Data Resources

| Data                      | Data Source                         | Location  |
|---------------------------|-------------------------------------|---|
| Watershed boundaries      | West Virginia GIS Technical Center  | <a href="http://wvgis.wvu.edu/index.php">http://wvgis.wvu.edu/index.php</a>   |
|                           | National                            | See <i>National Discovery Data Coordination Procedure</i>   |
| Jurisdictional boundaries | West Virginia GIS Technical Center  | <a href="http://wvgis.wvu.edu/index.php">http://wvgis.wvu.edu/index.php</a>   |
|                           | National                            | See <i>National Discovery Data Coordination Procedure</i>   |
| State lands               | West Virginia GIS Technical Center  | <a href="http://wvgis.wvu.edu/index.php">http://wvgis.wvu.edu/index.php</a>   |
|                           | WV Natural Resource Analysis Center | Jacquelyn Strager, Research Coordinator, Natural Resource Analysis Center, WVU, Morgantown, WV, 26506, (304) 293-4832 ext. 4455, <a href="mailto:jmstrager@mail.wvu.edu">jmstrager@mail.wvu.edu</a> ; |

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|  |  |   |
|--|--|---|
| Federal lands  | West Virginia GIS Technical Center                                   | <a href="http://wvgis.wvu.edu/index.php">http://wvgis.wvu.edu/index.php</a>   |
|  | WV Natural Resource Analysis Center                                  | Jacquelyn Strager, Research Coordinator, Natural Resource Analysis Center, WVU, Morgantown, WV, 26506, (304) 293-5410, <a href="mailto:jmstrager@mail.wvu.edu">jmstrager@mail.wvu.edu</a>           |
|  | National   | See <i>National Discovery Data Coordination Procedure</i>   |
| Major roads  | West Virginia GIS Technical Center                                   | <a href="http://wvgis.wvu.edu/index.php">http://wvgis.wvu.edu/index.php</a>   |
|  | West Virginia Department of Transportation                           | <a href="https://transportation.wv.gov/highways/StrategicPerformance/gti/GIS/Pages/DataCatalog.aspx">https://transportation.wv.gov/highways/StrategicPerformance/gti/GIS/Pages/DataCatalog.aspx</a> |
|  | West Virginia Statewide Addressing and Mapping Board                 | Tony Simental, WV State GIS Coordinator<br>1 Mont Chateau Road, Morgantown, WV 26508<br>Phone: (304) 558-4218, <a href="mailto:tony.a.simental@wv.gov">tony.a.simental@wv.gov</a>                   |
|  | National   | See <i>National Discovery Data Coordination Procedure</i>   |
| Streams  | West Virginia GIS Technical Center                                   | <a href="http://wvgis.wvu.edu/index.php">http://wvgis.wvu.edu/index.php</a>   |
|  | National   | See <i>National Discovery Data Coordination Procedure</i>   |
| Coastal Barrier Resource Areas                                     | N/A  | N/A   |
| <b>Data</b>  | <b>Data Source</b>   | <b>Location</b>   |
| Coordinated Needs Management Strategy                              | National   | See <i>National Discovery Data Coordination Procedure</i>   |
| Topographic/ bathymetric data                                      | West Virginia GIS Technical Center                                   | <a href="http://wvgis.wvu.edu/index.php">http://wvgis.wvu.edu/index.php</a>   |
|  | 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 | West Virginia GIS Technical Center                                   | <a href="http://wvgis.wvu.edu/index.php">http://wvgis.wvu.edu/index.php</a>   |
| Status of Hazard Mitigation Plans                                  | West Virginia Division of Homeland Security and Emergency Management | <a href="http://www.dhsem.wv.gov/Pages/default.aspx">http://www.dhsem.wv.gov/Pages/default.aspx</a>   |
|  | National   | See <i>National Discovery Data Coordination Procedure</i>   |

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|  |  |  |
|--|--|--|
| Flood control structure data   | West Virginia GIS Technical Center                   | <a href="http://wvgis.wvu.edu/index.php">http://wvgis.wvu.edu/index.php</a>  |
|  | National   | See <i>National Discovery Data Coordination Procedure</i>  |
| Locations of stream gages  | West Virginia GIS Technical Center                   | <a href="http://wvgis.wvu.edu/index.php">http://wvgis.wvu.edu/index.php</a>  |
|  | 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 | West Virginia GIS Technical Center                   | <a href="http://wvgis.wvu.edu/index.php">http://wvgis.wvu.edu/index.php</a><br>(Local / Advisory Flood Height Data)<br><a href="http://wvgis.wvu.edu/data/dataset.php?ID=414">http://wvgis.wvu.edu/data/dataset.php?ID=414</a> |
| Areas of planned development   | Local  | Local  |
| Areas of land use change datasets  | West Virginia GIS Technical Center                   | <a href="http://wvgis.wvu.edu/index.php">http://wvgis.wvu.edu/index.php</a>  |
| <b>Data</b>  | <b>Data Source</b>                                   | <b>Location</b>  |
| 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  | N/A  | N/A  |
| Comparison of preliminary stillwater elevations with effective stillwater elevations                                 | N/A  | N/A  |
| Available effective study data   | National   | See <i>National Discovery Data Coordination Procedure</i>  |
| Orthophotography   | West Virginia GIS Technical Center                   | <a href="http://wvgis.wvu.edu/index.php">http://wvgis.wvu.edu/index.php</a>  |
|  | West Virginia Statewide Addressing and Mapping Board | Tony Simental, WV State GIS Coordinator<br>The Greenbrooke Building, 1124 Smith Street, Room LM-10, Charleston, WV 25301, Phone: (304) 558-4218,<br><a href="mailto:tony.a.simental@wv.gov">tony.a.simental@wv.gov</a>         |

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|   |  |   |
|---|--|---|
|   | National   | See <i>National Discovery Data Coordination Procedure</i>   |
| Proposed discussion areas, problem areas, areas of proposed mitigation projects   | West Virginia<br>Division of<br>Homeland Security<br>and Emergency<br>Management | <a href="http://www.dhsem.wv.gov/Pages/default.aspx">http://www.dhsem.wv.gov/Pages/default.aspx</a> |
| Land use and soil information   | National   | See <i>National Discovery Data Coordination Procedure</i>   |
| Reference points to locate areas with flooding issues   | West Virginia GIS<br>Technical Center  | <a href="http://wvgis.wvu.edu/index.php">http://wvgis.wvu.edu/index.php</a>                         |
| Hydraulic structures  | West Virginia GIS<br>Technical Center  | <a href="http://wvgis.wvu.edu/index.php">http://wvgis.wvu.edu/index.php</a>                         |
|   | National   | See <i>National Discovery Data Coordination Procedure</i>   |
| <b>Data</b>   | <b>Data Source</b>   | <b>Location</b>   |
| 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   | 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   |

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|   |  |   |
|---|--|---|
| 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.               | West Virginia Division of Homeland Security and Emergency Management | <a href="http://www.dhsem.wv.gov/Pages/default.aspx">http://www.dhsem.wv.gov/Pages/default.aspx</a> |
| <b>Data</b>   | <b>Data Source</b>   | <b>Location</b>   |
|   | West Virginia GIS Technical Center                                   | <a href="http://wvgis.wvu.edu/index.php">http://wvgis.wvu.edu/index.php</a>                         |
| Current community plans, ordinances, or programs to alleviate flooding or manage stormwater | West Virginia Division of Homeland Security and Emergency Management | <a href="http://www.dhsem.wv.gov/Pages/default.aspx">http://www.dhsem.wv.gov/Pages/default.aspx</a> |
|   | National   | See <i>National Discovery Data Coordination Procedure</i>   |
| Other known hazards with geographical boundaries (e.g., earthquake faults)                  | West Virginia GIS Technical Center                                   | <a href="http://wvgis.wvu.edu/index.php">http://wvgis.wvu.edu/index.php</a>                         |
|   | National   | See <i>National Discovery Data Coordination Procedure</i>   |
| Information on active disasters   | West Virginia GIS Technical Center                                   | <a href="http://wvgis.wvu.edu/index.php">http://wvgis.wvu.edu/index.php</a>                         |
|   | National   | See <i>National Discovery Data Coordination Procedure</i>   |
| Campgrounds, recreational areas, emergency access routes, etc.                              | West Virginia GIS Technical Center                                   | <a href="http://wvgis.wvu.edu/index.php">http://wvgis.wvu.edu/index.php</a>                         |
|   | 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>.

# State Geospatial Data Coordination Procedure

## 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 West Virginia base layers which is hosted by West Virginia GIS Technical Center (WVGISTC). WVGISTC is known as the official geospatial data clearinghouse for the State of West Virginia and serves as West Virginia's node on the National Spatial Data Infrastructure (NSDI). WVGISTC is a publicly accessible web site (<http://wvgis.wvu.edu/index.php>).

## 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 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=WV>

### Involving State's Geospatial Coordinator in Flood Studies

The contact prefers periodic conference calls between all stakeholders to address FEMA Risk MAP data issues.

### State Coordination Process for Building Geospatial Partnerships

Coordination occurs through periodic conference calls between all stakeholders, including the State geospatial coordinator, WV SAMB, FEMA, FEMA Mapping Partners and contractors, RAMPP RSC 3, and other State Agencies. These have been occurring approximately quarterly and in the future will occur on an as needed basis.

The West Virginia Office of GIS Coordinator is the agency tasked with forming the state's GIS policy. Every two years, this agency hosts the WV GIS Conference, which brings together partners from government, academia, and the business communities.

# State Geospatial Data Coordination Procedure

## 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 contact prefers periodic conference calls between all necessary partners including FEMA, the CTPs, OFAs, the RAMPP RSC, and other State agencies.

These have been occurring approximately quarterly and in the future will occur on an as needed basis.

## Coordinate with Local Contacts

The State maintains a statewide GIS contacts list in the following formats:

Web Accessible Form (<http://wvgis.wvu.edu/directory/directory.php>)

Contact or URL information for list (if able to be obtained):

<http://wvgis.wvu.edu>

The levels of government in the list are:

- a. Municipal
- b. County
- c. State
- d. Regional Planning Commissions
- e. State Agencies
- f. Private sector
- g. Non-Profit
- h. Federal Agencies with offices in WV.

Document procedures or information about specific State characteristics:

The State has relatively strong county governments. Most land use authority is in the hands of counties in unincorporated areas or local municipalities. The state has numerous water boards, river authorities, regional planning councils, councils of government, and major universities that have GIS data holdings. Examples include the Canaan Valley Institute, West Virginia University GIS Technical Center, Regions 1 through 10 Planning & Development Councils, WVDEP, and others.

# State Geospatial Data Coordination Procedure

## 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 on a periodic basis.

## 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 significantly higher resolution than the aforementioned statewide elevation datasets that are available.