

State Geospatial Data Coordination Procedure

Washington

Table of Contents

Table of Contents	1
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)	3
Hydrography (rivers, streams, lakes, and shorelines).....	3
Political boundaries (county, municipal).....	3
Publicly owned lands (national, state, and local parks, forests, etc).....	4
Cadastral (parcels)	4
Terrain (elevation).....	4
Data Distribution Process for State Data	5
Federal Nationwide Geospatial Data Holdings.....	5
Finding and Accessing Other Existing Geospatial Data	5
Clearinghouses and Inventories for the State.....	5
National Digital Orthophoto Program (NDOP) and National Digital Elevation Program (NDEP) Tracking Systems	5
TED Query Tool	6
Geospatial One-Stop	6
Working with People.....	6
Useful State and Federal Contacts	6
Involving the State’s Geospatial Coordinator in Flood Studies.....	6
State Coordination Process for Building Geospatial Partnerships.....	6
Finding Local Geospatial Contacts	6
Provide Feedback on This Procedure	7

Purpose of the Procedure

Flood insurance studies search for geospatial data during pre-scoping and scoping tasks. If needed data are not available, studies might fund the collection of new data and would like to know about other organizations that might share in these costs. Detailed information about the role geospatial data coordination plays in studies is in the *Geospatial Data Coordination Implementation Guide*, which is available at <https://hazards.fema.gov/femaportal/docs/GeoDataImplem.pdf>, and in *Scoping Guidelines: Pre-scoping and the Scoping Meeting*, which is available through the Regional Management Center (RMC).

State Geospatial Data Coordination Procedure

Resources developed through FEMA's geospatial data coordination activities provide information about data and contacts for organizations that have geospatial data that cover large areas (like states) in which many studies are interested. Studies can avoid wasting time with dead-end searches and cold calls by starting with these proven sources of information.

One resource is this Geospatial Data Coordination Procedure. It outlines sources of geospatial data and contact information, preferences for base map data and state geospatial participation in studies, and other useful information for the State.

If you have questions about this procedure or other geospatial data coordination resources, contact the geospatial data coordination lead in your Regional Management Center:

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

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Default Flood Hazard Base Map for the State

The default base map for flood hazard maps for the State is an orthophoto. Statewide coverage of 18-inch and 36-inch resolution is planned.

Geospatial Data Coverage

Find below information about and links to statewide (and Federal agencies' national) geospatial datasets. The list is provided to save time during pre-scoping and scoping activities when building a list of candidate geospatial datasets available for the study; it is not a prescription of datasets that must be used in a flood insurance study.

Major State Holdings

Orthophotos

Dataset name: Washington Orthophotos; NAIP Imagery
Data currentness: 2004, (2006 in July/August 2007)
Accuracy/Scale: 1:12,000
Ground sample resolution: 18-inch and 36-inch (0.5 and 1 meter)

State Geospatial Data Coordination Procedure

Horizontal datum: NAD 83-91

Fee associated? No

Available for redistribution? Yes for emergency agencies

Dataset source: USDA Gateway

Dataset contact: See NAIP entry in the resource listed under “Federal Nationwide Geospatial Data Holdings” below.

Notes: (1) In July or August of 2007 1 meter or a half-meter (36- and 18-inch), statewide, flown in May-July of 2006 will be available. The imagery was developed through a partnership between the State and NAIP.

(2) NAIP imagery has many uses, and many states participate in NAIP. NAIP is leaf-on imagery and is not cloud-free, and so the ground might be obscured. So, while NAIP (and other such imagery) can be used as a base maps, the imagery must be checked to ensure that it provides a clear view of important features on the ground for areas of significance for flooding (see Appendix C of the Geospatial Data Coordination Implementation Guide for more discussion)

Transportation (roads, railroads, and airports)

Dataset name: State Routes of Washington State, at 1:24,000

Data currentness: 7/24/2006

Accuracy/Scale: 1:24,000

Horizontal datum: NAD 83

Fee associated? No

Available for redistribution? Yes

Are road names part of the dataset? No

Dataset source: Washington DOT at

http://www.wsdot.wa.gov/mapsdata/geodatacatalog/maps/24k/dot_cartog/sr24k.htm

Dataset contact: Tami Griffin, WSDOT, 360.709.5513, GriffiT@wsdot.wa.gov

Notes: Washington State Department of Transportation (WSDOT) highways, including interstate, U.S., and state routes. Other transportation data are available through <http://www.wsdot.wa.gov/mapsdata/geodatacatalog/default.htm#main>.

Hydrography (rivers, streams, lakes, and shorelines)

Dataset name: Watercourse Framework (WC)

Data currentness: 1996

Accuracy/Scale: 1:24,000

Horizontal datum: NAD 83

Fee associated? No

Available for redistribution? Yes

Are hydrography names part of the dataset? Yes

Dataset source: Pacific Northwest Hydro (PNH) Clearinghouse at <http://hydro.reo.gov/>

Dataset contact: Greg Tudor, WSDNR, 360.902.1423, Greg.tudor@wadnr.gov

Notes: PNH has created a framework which breaks hydrography into separate layers.

Political boundaries (county, municipal)

Dataset name: Cadastre.Jurisdiction Boundaries

Data currentness: Unknown

Accuracy/Scale: 1:24,000

State Geospatial Data Coordination Procedure

Horizontal datum: NAD 83

Fee associated? No

Available for redistribution? Yes

Dataset source: Washington DNR at

<http://www3.wadnr.gov/dnrapp6/dataweb/dmmatrix.html>

Dataset contact: Frank Fischer, WSDNR, 360.902.1206, frank.fischer@wadnr.gov

Notes: Metadata link lists publication date as unknown.

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

Dataset name: Cadastre.Parcel

Data currentness: Unknown

Accuracy/Scale: 1:24,000

Horizontal datum: NAD 83

Fee associated? No

Available for redistribution? Yes

Dataset source: Washington DNR at

<http://www3.wadnr.gov/dnrapp6/dataweb/dmmatrix.html>

Dataset contact: Frank Fischer, WSDNR, 360.902.1206, frank.fischer@wadnr.gov

Notes: Publicly owned lands and PLSS are combined into one set.

Cadastral (parcels)

Dataset name: Cadastre.Parcel

Data currentness: Unknown

Accuracy/Scale: 1:24,000

Horizontal datum: NAD 83

Fee associated? No

Available for redistribution? Yes

Dataset source: Washington DNR at

<http://www3.wadnr.gov/dnrapp6/dataweb/dmmatrix.html>

Dataset contact: Frank Fischer, WSDNR, 360.902.1206, frank.fischer@wadnr.gov

Terrain (elevation)

Dataset name: dem30

Data currentness: July 2002

Accuracy/Scale: 30 meter

Vertical datum: NAVD 88

Fee associated? No

Available for redistribution? Yes

Dataset source: Washington DNR at

<http://www3.wadnr.gov/dnrapp6/dataweb/dmmatrix.html>

Dataset contact: Tim Gregg, WSDNR, 360.902.1231, Tim.gregg@wadnr.gov

Notes: The data was derived from USGS 10-meter DEMs (Digital Elevation Models).

All source data was scanned from the hypsography (contour) separate used in the publication of USGS 7.5 minute quadrangles.

State Geospatial Data Coordination Procedure

Data Distribution Process for State Data

No centralized data distribution process, no known state data licensing policies.

Federal Nationwide Geospatial Data Holdings

Information about nationwide holdings and programs of Federal agencies is available from the Mapping Information Platform web site at

<<https://hazards.fema.gov/femaportal/docs/ProgFacts.pdf>>.

Finding and Accessing Other Existing Geospatial Data

Find below information about and links to ways of searching for additional geospatial data available for the State. These capabilities can be useful for finding geospatial data other than the statewide and Federal data listed above, including those of special governments, counties and parishes, municipalities, tribes, universities, and other organizations.

Clearinghouses and Inventories for the State

WA State agency online GIS data websites:

- DNR <http://www3.wadnr.gov/dnrapp6/dataweb/dmmatrix.html>
- Ecology <http://www.ecy.wa.gov/services/gis/data/data.htm>
- Dept of Health <http://ww4.doh.wa.gov/gis/gisdata.htm>
- DOT <http://www.wsdot.wa.gov/mapsdata/geodatacatalog/default.htm>
- Office of Financial Management <http://www.ofm.wa.gov/geographic/default.asp>

Other URL's:

- Geospatial One Stop – federal GIS portal: <http://www.geodata.gov>
- Pacific NorthWest Hydro Clearinghouse: <http://hydro.reo.gov/>
- WA State (metadata) Clearinghouse: <http://metadata.gis.washington.edu/>
- Land Use/Land Cover reference: <http://www.wdfw.wa.gov/wlm/gap/dataprod.htm>
- Soils dataset(s) reference USDA/NRCS:
http://soils.usda.gov/survey/printed_surveys/state.asp?state=Washington&abbr=WA

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

TED Query Tool

This tool provides access to information about Federal, state, and local government agency and private sector data holdings gathered by the Census Bureau. It is available through the geospatial data coordination lead at the Regional Management Center.

Geospatial One-Stop

Geospatial One-Stop, available at <<http://www.geodata.gov>>, provides access to geospatial data from many sources. Two parts of the site that should be investigated are the “data categories” for existing data and the “marketplace” for data that are planned or in-work and for potential partners for new data collection activities.

Working with People

Useful State and Federal Contacts

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

Involving the State’s Geospatial Coordinator in Flood Studies

Contact Jeffrey Holm, Washington State Geographic Information Council, (360) 902-3447, jeffh@dis.wa.gov

State Coordination Process for Building Geospatial Partnerships

Washington State Geographic Information Council at <http://wagic.wa.gov/>

Mr. Holm said that the only way to succeed is to coordinate underlying funding. A memorandum or other agreement is fine, but without money to fund the activities of the partnership, it will not work.

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>>.

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 Regional Management Center what was wrong and the correct information (if you know it). Use the contact information for the lead listed in the section Purpose of the Procedure.

The lead will use your feedback to update this Procedure.