

How to Access On-line GIS Data

Geospatial Data Gateway

The Gateway was developed through a cooperative effort of three USDA agencies: Natural Resources Conservation Service (NRCS), Farm Services Agency (FSA), and Rural Development (RD). Since each agency has a presence in county field offices and share many GIS data layers, the gateway provides data in a consistent format across the country.

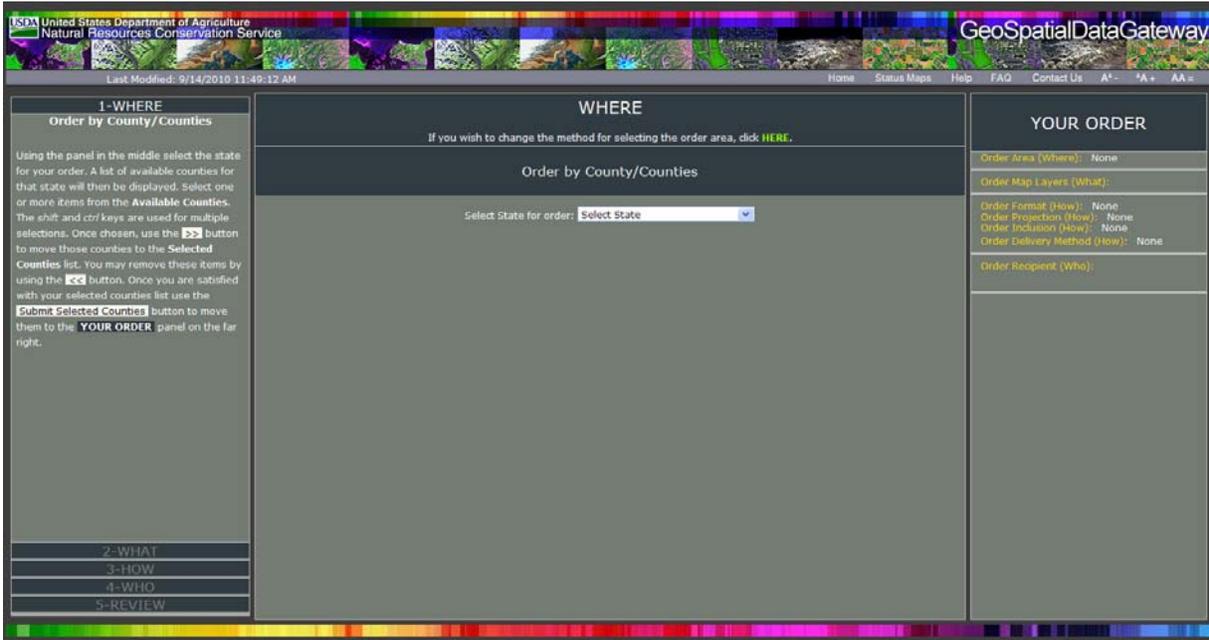
The site provides many data layers that can be downloaded in various formats. It is important to understand that this site is designed to provide data only. It does not provide viewing software. You will need to have GIS software installed on your computer to view and analyze the data.

Using the Data Gateway:

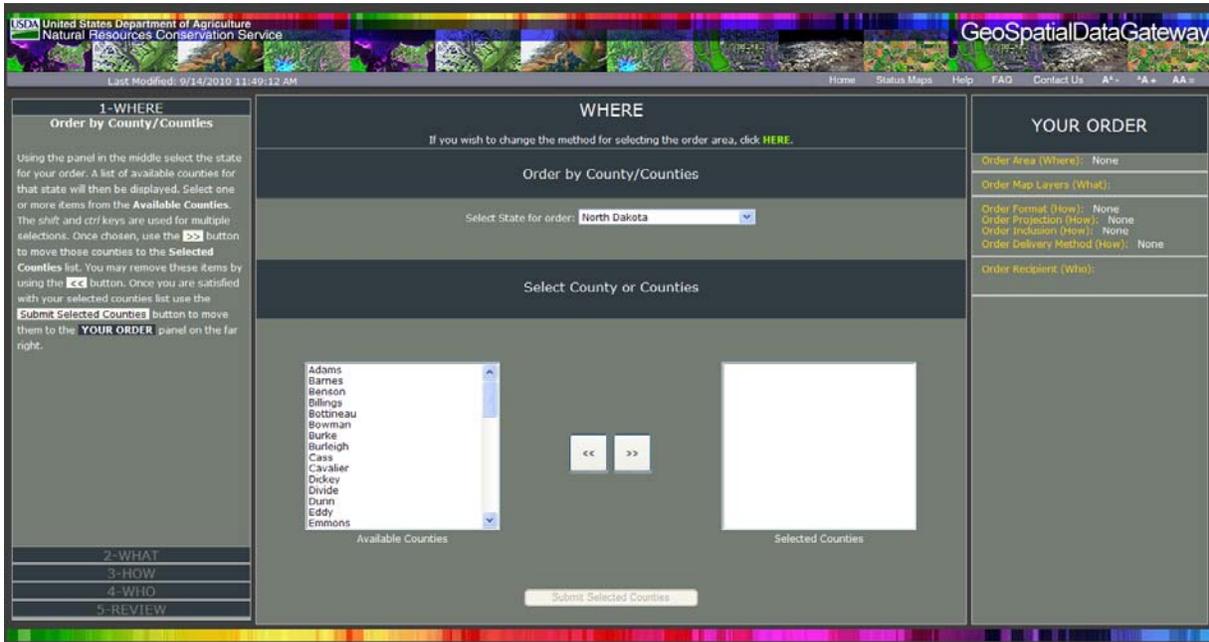
Using Internet Explorer, go to <http://datagateway.nrcs.usda.gov/>.

Click on green **GET DATA** button.

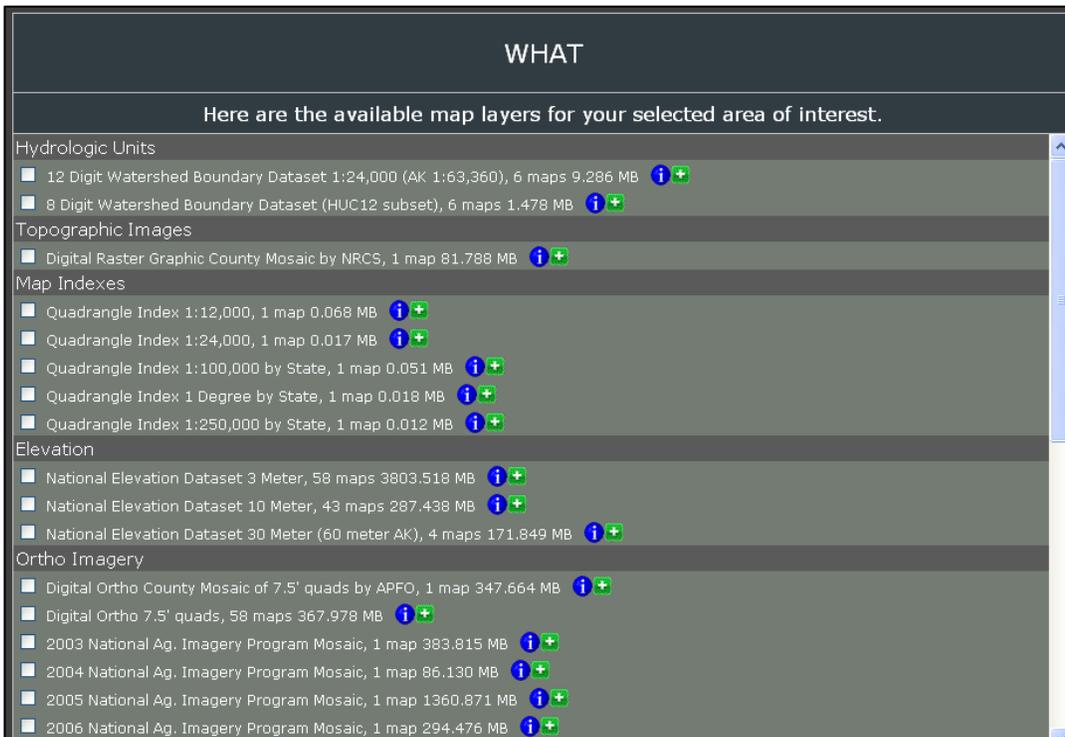
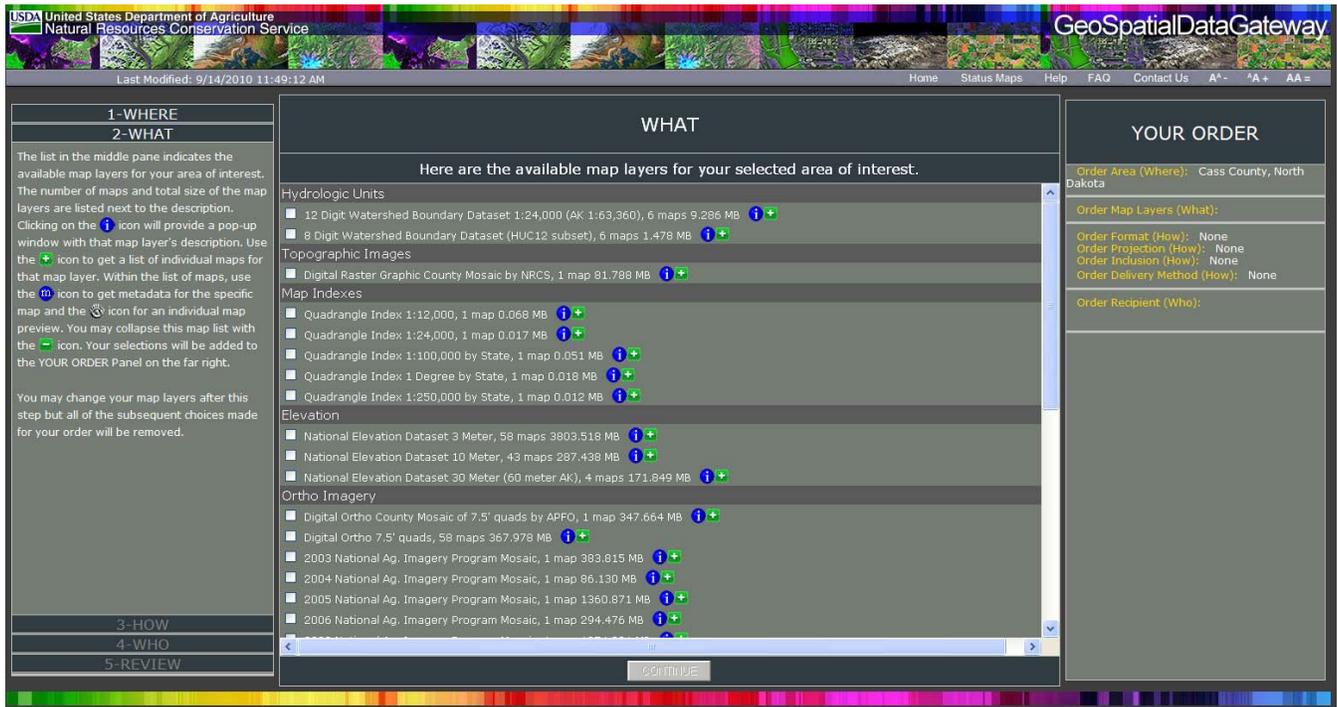




Under Order by County/Countries, select the State from the drop down menu.



Select the county/counties you want and they will appear in the box on the right side of the screen. Click **Submit Selected Counties**.



When this window appears, put a check mark in front of the items you want.

When done, click green **Continue** button.

A screenshot of a GIS layer selection interface. It features a list of map layers organized into categories. Each layer has a checkbox, a name, a size, and an information icon. The categories and their items are:

- 2009 National Ag. Imagery Program Mosaic**, 1 map 1074.091 MB
- 2010 National Ag. Imagery Program Mosaic**, 1 map 1069.103 MB
- Geographic Names**
 - Geographic Names - Populated Places, 1 map 0.030 MB
 - Geographic Names - Non-Populated Places, 1 map 0.142 MB
- Land Use Land Cover**
 - National Land Cover Dataset by State, 1 map 240.051 MB
 - Cropland Data Layer by State, 1 map 534.218 MB
- Geology**
 - National scale Geology by State, 1 map 5.706 MB
- Soils**
 - Major Land Resource Areas by State, 1 map 1.139 MB
 - Common Resource Areas by State, 1 map 1.188 MB
 - Soil Survey Spatial and Tabular Data (SSURGO 2.2), 1 map 151.024 MB
 - Soil Survey Tabular Data Only, 1 map 100.983 MB
 - U.S. General Soil Map (STATSGO) - State Subset, 1 map 17.044 MB
- Climate Precipitation**
 - Annual Average Precipitation by State, 1 map 0.313 MB
 - Monthly Average Precipitation by State, 12 maps 2.503 MB
- Climate Temperature**
 - Annual Minimum Temperature by State, 1 map 1.881 MB
 - Annual Maximum Temperature by State, 1 map 1.151 MB
 - Annual Average Temperature by State, 1 map 0.807 MB

A screenshot of the 'GeoSpatialDataGateway' 'YOUR ORDER' form. The form is divided into several sections for configuring the data order:

- 1-WHERE**, **2-WHAT**, **3-HOW**: Navigation tabs on the left.
- HOW**: The main section for configuring the order.
 - FORMAT**: A dropdown menu is set to 'ESRI Shape'.
 - PROJECTION**: A dropdown menu is set to 'UTM Zone 14 NAD83'.
 - INCLUSION**: A section explaining the 'Data Inclusion' option.
 - DELIVERY**: Radio buttons for 'FTP' (selected), 'CD', and 'DVD'. Below them, it states: 'Estimated completion in: 15 Minute(s). Click to see a download time chart. This order will require 1 CD(s) for a total of \$50.00 US. Requested data will not exceed CD size capacity.'
- YOUR ORDER**: A summary section on the right showing:
 - Order Area (Where): Cass County, North Dakota
 - Order Map Layers (What): Annual Average Precipitation by State, 0.313 Megabytes, 1 Map
 - Order Format (How): ESRI Shape
 - Order Projection (How): UTM Zone 14 NAD83
 - Order Inclusion (How): Standard
 - Order Delivery Method (How): FTP
 - Order Recipient (Who):
- 4-WHO**, **5-REVIEW**: Navigation tabs at the bottom.
- A green **CONTINUE** button is located at the bottom center.

From this window, select the format, projection, and how you want the data delivered to you.

Continue to the next screen.

Fill in your contact information on the screen and click **Continue**.

Review the order. Click **Place Order**, if correct.

If you selected **FTP**, you will receive an email message when it is ready to download.

For digital soils maps, see instructions in North Dakota FOTG, Section II – Soil Information, HELP PDF file.

State of North Dakota GIS Website <http://www.state.nd.us/gis/mapsdata/download>.