

Easily Generate Soils Reports!

Soil Data Mart produces over 45 different reports for planners, engineers and soil consultants to use every day.

No logins or passwords are required to generate reports.

More Online Soils Resources...

➤ Archived Soil Survey Manuscripts and Mapsheets on the eFOTG

Maryland's *electronic Field Office Technical Guide* (eFOTG) displays published soil survey manuscripts and mapsheets. No special GIS software is required.

<http://www.md.nrcs.usda.gov/technical/soils/reports.html>

➤ Create Your Own Soils Maps on the Web Soil Survey

Type in your address. Define your Area of Interest (AOI). Print off a Soils Map. Print off specific soils reports and interpretations. No special GIS software is required.

<http://websoilsurvey.nrcs.usda.gov>

➤ Official Soil Series Descriptions

Visit the National USDA Soils page for links to the following soils information:

- Official Soil Series Descriptions (OSDs)
- Soil lab data
- Soil glossary and taxonomy
- Educational resources

<http://soils.usda.gov>

➤ Geospatial Data Gateway

The Geospatial Data Gateway provides natural resources GIS data. The Gateway allows you to select the spatial format and coordinate system for your data. Download files or have them shipped to you on CD.

<http://datagateway.nrcs.usda.gov>

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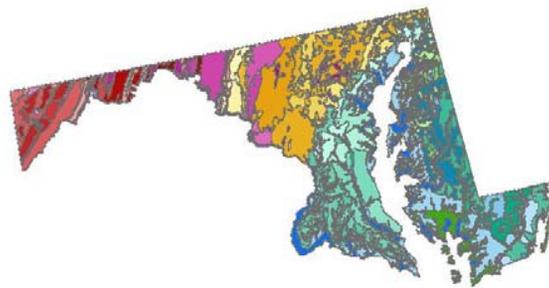
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Natural Resources Conservation Service**

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United States Department of Agriculture

Maryland



NRCS Natural Resources
Conservation Service

Soil Data Mart

Official NRCS Soils Data Set
Online

Visit the USDA-NRCS Soil Data Mart to:

- Download soil tabular and spatial data
- Generate a variety of soils reports

<http://soildatamart.nrcs.usda.gov>



Maryland Soil Survey
"Helping People Understand Soils"

December 2007

How to Use the Soil Data Mart...

- Go to the Soil Data Mart website:
<http://soildatamart.nrcs.usda.gov/>
- Proceed through the menus, selecting **State**, then **County**.
- Click on **Select Survey Area**.

Soil Data Mart provides the following options:

- 1. View Metadata** – Information about identification, data quality, spatial data organization, spatial reference, entities and attributes, distribution, and metadata references.
- 2. Download Data** – Depending on the availability of survey data, download spatial and/or tabular data. Specify the spatial format and coordinate system. You will receive an e-mail with an FTP link when the data are ready for download.
- 3. Generate Reports** – Select any or all map units; then, choose the report to generate. Reports are produced in PDF format, unless you select Rich Text Format.
- 4. Subscribe** – When you subscribe to a soil survey area, you will be notified by e-mail when the soils reports and other data are updated.
- 5. Select State** – Takes you back to the menu list of States.
- 6. Select County** – Takes you back to the menu list of counties.

Two Ways to Obtain Soils Data...

1.) Generate Reports Online

Reports are produced in Adobe Acrobat PDF or Rich Text Format.

- Select **Survey Area**.
- Click on **Generate Reports**.
- Select the Map Units you would like to report on. To run a report on the entire Map Unit Legend, click on Select All.
- Select a report to generate.
- Click on **Generate Report**.

Sample Report Titles

Acreage and Proportionate Extent of the Soils
 Hazard of Erosion
 Hydric Soils
 Irrigated and Nonirrigated Yields by Map Unit
 Irrigated and Nonirrigated Yields by Map Unit Component
 Irrigated Yields by Map Unit
 Irrigated Yields by Map Unit Component
 Landfills
 Map Unit Legend
 Map Unit Legend Text
 Nontechnical Descriptions
 Paths, Trails, and Golf Fairways
 Physical Soil Properties
 Ponds and Embankments
 Prime and other Important Farmlands
 Roads and Streets, Shallow Excavation, Landscaping
 RUSLE2 Related Attributes
 Selected Soil Interpretations
 Sewage Disposal
 Soil Features
 Source of Reclamation Material, Roadfill, and Topsoil
 Source of Sand and Gravel
 Taxonomic Classification of the Soils
 Water Features

Note: The default report format is a printable PDF. Click on Rich Text Format for a report you can edit in MS Word.

2.) Download Data for Analysis

Soil data consists of spatial and tabular data. Spatial data consist of soil lines and symbols. Tabular data contain rows and columns of information about specific types of soil.

Note: To use tabular data, import into the MS Access soils template that is provided.

Database template

- Select **Template Database Only**.
- Select your version of MS Access.
- Download the US or MD template.

Tabular data only

- Click on **Select Survey Area**.
- Select **Tabular Data Only**.
- Select your version of MS Access.
- Download tabular data set for survey area.
- Open template, select county data set.

Tabular and Spatial data

- Select **Spatial Format**.
- Select a **Coordinate System**.
- Click on your version of MS Access.
- Enter your e-mail address.
- Click on **Submit Request**.

Import data into Access Template

- Open the template.
- In the blank form, enter the path name of the directory containing the soil tabular information. For example, C:\soil_md029\tabular
- Click **OK** to initiate the import process.
- When the county import is complete, the Soil Reports form will open.

Generate Reports

- Select one or more **Map Units**.
- Choose a **Soil Report**.
- If the report requires parameters, a button appears on the lower left called **Parameters**.
- Select **Generate Report**.