

Soil Data Mart

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Soil Data Mart

The most current official soil information.

- Determine and download soil tabular and spatial data for one soil survey area at a time.
- Generate a variety of reports for one soil survey area at a time.
- <http://soildatamart.nrcs.usda.gov/>

Welcome to the Soil Data Mart! The Soil Data Mart allows you to:

- Determine where soil tabular and spatial data is available.
- Download data for one soil survey area at a time. (Download requests for more than one survey area at a time can be submitted through the [Geospatial Data Gateway](#). Going through the Geospatial Data Gateway also provides the option to obtain data on CD or DVD.)
- Download a template Microsoft Access® database for working with downloaded data.
- Generate a variety of reports for one soil survey area at a time.
- Find out who to contact for information about soil data for a particular state.
- "Subscribe" or "unsubscribe" to a soil survey area. A person who is subscribed will automatically be notified when new data is updated. You must register and login before doing this.

An alternative presentation of the soil survey area data contained in the Soil Data Mart, including on screen maps, is available through [Web Soil Survey](#).



Before you start, see [Soil Data Mart - Purpose and Procedures \(2579K\)](#).

Please either select from the list of options across the top of the page, or to request a download or generate a report by selecting a state or territory.

Select State

Select the State or Territory of interest

The Soil Data Mart may be unavailable on Tuesdays and Thursdays from 6:30 to 8:30 p.m. Mountain time due to maintenance activities.

The Soil Data Mart has been tested under Mozilla Firefox® 1.0 and later, Microsoft Internet Explorer® 5.0 and later, and Netscape Navigator® 4.7 and later for Microsoft Windows®. There are differences in site navigation and mechanics under different versions of these browsers. Some differences are more significant than others. There are some major differences under Netscape Navigator® 4.7 and 4.8. For details on site navigation and mechanics under different versions of these browsers, please see [Navigating and Using the Soil Data Mart](#) on the [Soil Data Mart Help page](#).

The Soil Data Mart provides an entry point to allow its pages to be integrated easily into other web sites. [Get detailed information.](#)

Please select a state or territory with at least one survey area:

State or Territory Code	State or Territory Name	Available Survey Areas
OR	Oregon	38
PA	Pennsylvania	61
RI	Rhode Island	1
SC	South Carolina	48
SD	South Dakota	66
TN	Tennessee	93
TX	Texas	232
UT	Utah	34
VT	Vermont	14
VA	Virginia	94
WA	Washington	45
WV	West Virginia	42
WI	Wisconsin	69
WY	Wyoming	37
PR	Puerto Rico	6
VI	Virgin Islands	1
AS	American Samoa	1
FM	Federated States of Micronesia	4
GU	Guam	1
MH	Marshall Islands	1
MP	Northern Mariana Islands	2
PW	Palau	1

Select the
Soil Survey
Area

Please select a soil survey area:

Survey Area Symbol	Survey Area Name	Available Data
PR690	Virgin Islands of the United States	Tabular and Spatial

View Metadata

Download Data

Generate Reports

Subscribe

Select State

Select County

You can download data

Or generate reports

Shapefile

The default selects tabular and spatial data

Coordinate system

Please select the class of data you wish to download: (Survey Area Version 5 , Tabular Version 5 , Spatial Version 2)
 Tabular Data Only Tabular and Spatial Data Spatial Data Only Template Database Only

Please select a spatial format: ArcView Shapefile
Please select a coordinate system: UTM Zone 20, Northern Hemisphere (NAD 83)

Please select a template database (optional):

State	MS Access Version	Template DB Version	Template DB Name	Size
US	Access 2002	33.1	soildb_US_2002	1.7M
US	Access 2000	33.1	soildb_US_2000	1.7M
US	Access 97	32	soildb_US_97	1.4M
AK	Access 2002	32.15	soildb_AK_2002	2.5M

Description: This is the national SSURGO Template Database for Microsoft Access 2002/2003. This database should be used only when no state specific customized SSURGO Template Database is available. This database is compatible with Soil Data Viewer 5.1.
8-1-07 Three irrigation reports were added for use with 7 new national irrigation rules.
Irrigation - General and Sprinkler
Irrigation - Micro
Irrigation - Surface

Please enter your e-mail address:

If the e-mail account entered above is protected by spam blocking software, you will need to authorize e-mail from SoilDataMart@nrcs.usda.gov in order to receive e-mail notification once your request has been processed.

Just add your email

And submit your request

Select Survey Area Submit Request View Metadata See Disclaimer Generate Reports Subscribe

This is the
message you will
receive

Microsoft Internet Explorer



Your request has been logged and is currently number 13 in the queue. You will be notified via e-mail as soon as your request has finished being processed.

The time needed to process a download request varies based on which spatial format option was selected, if any, and whether or not a download for the survey area in question is already cached. The overall average time required to process a download request is 1.2 minutes. Therefore, to estimate your wait time, in minutes, multiply your initial queue position by 1.2. Please keep in mind that this is only an estimate. Please also remember that downloads are not processed from 10:00 PM to 6:00 AM, Mountain Time Zone.

OK

Soil Data Mart export notification - Message (Plain Text)



File Edit View Insert Format Tools Actions Help

Reply Reply to All Forward Print Forward X Undo Redo A+ A- a a

From: SoilDataMart@nracs.usda.gov
To: Santiago, Carmen - San Juan, PR
Cc:
Subject: Soil Data Mart export notification

Sent: Mon 8/11/2008 11:13 AM

The export file requested for carmen.santiago@pr.usda.gov is available at

ftp://soildatamart-export.sc.egov.usda.gov/export/e_792271/soil_pr690.zip

(If hot links are not supported, cut and paste the URL into your browser's address line).

Export Zip File Size: 13635 KB

The export contains the following soil survey area (SSA) data:

SSA Symbol: PR690
SSA Name: Virgin Islands of the United States
SSA Version: 5
SSA Version Est.: 7/31/2008 8:09:03 AM
Tabular Data Version: 5
Tabular Version Est.: 7/31/2008 8:09:03 AM
Spatial Data Version: 2
Spatial Version Est.: 7/31/2008 8:09:03 AM
Spatial Format: ArcView Shapefile
Coordinate System: UTM Zone 20, Northern Hemisphere (NAD 83)

This export file will be removed from the FTP server 10 days after the date of this notice.

After the export file has been copied to your PC, it must be unzipped using either WinZip or some equivalent application. For additional information, please see the file named "readme.txt" in the root directory of the directory structure that was created by unzipping the original export file.

The export also contains the following MS Access SSURGO template database:

Template DB Name: soildb_US_2002.mdb
Template DB Version: 33.1
Template DB State: US
MS Access Version: Access 2002

(792271:DRUMLIN)

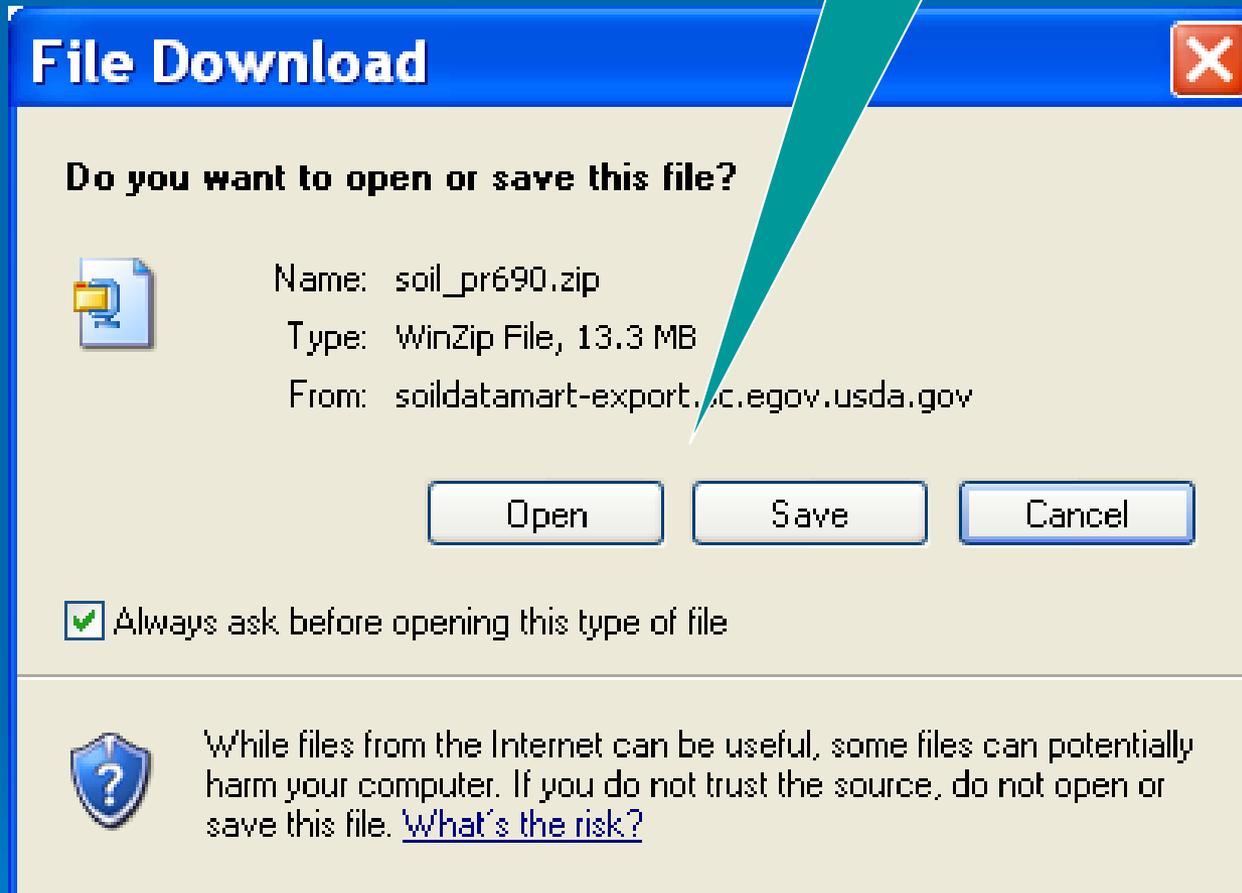
(792271:88465:DRUMLIN\DRUMLIN)

--

This message has been scanned for viruses and dangerous content by MailScanner, and is believed to be clean.

The email provides a ftp site with the Soil Survey Data on a Zip file

You can open or
save the file



File Download

Do you want to open or save this file?



Name: soil_pr690.zip

Type: WinZip File, 13.3 MB

From: soildatamart-export.sr.egov.usda.gov

Open

Save

Cancel

Always ask before opening this type of file



While files from the Internet can be useful, some files can potentially harm your computer. If you do not trust the source, do not open or save this file. [What's the risk?](#)

You can extract the information and save it

WinZip - soil_pr690[1].zip

File Actions Options Help



New



Open



Favorites



Add



Extract



Encrypt



View



CheckOut



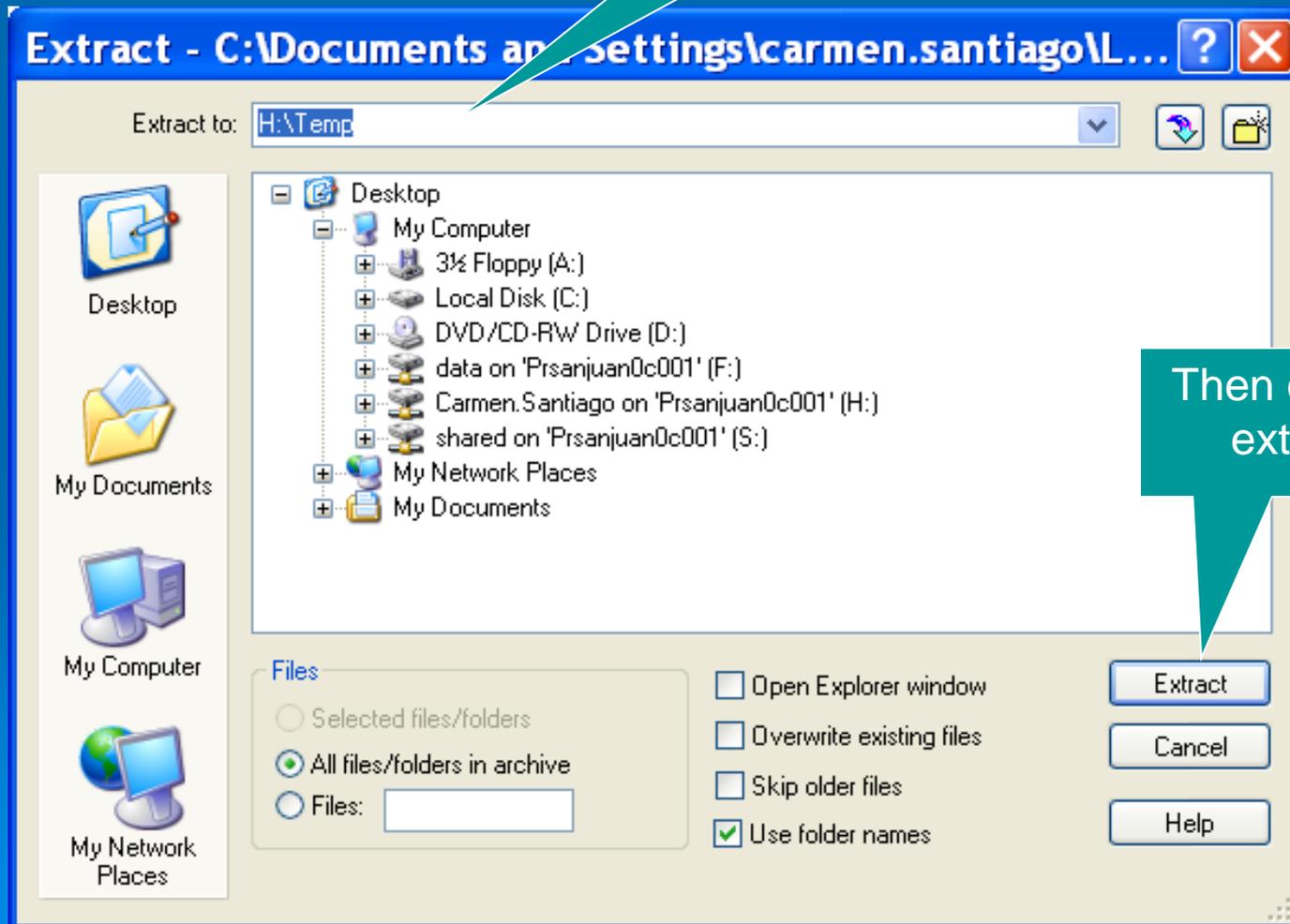
Wizard

Name	Type	Modified	Size	Ratio	Packed	Path
readme.txt	Readme Doc...	8/11/2008 9:10 AM	5,423	62%	2,043	soil_pr
soildb_US_2002.zip	WinZip File	8/11/2008 9:10 AM	1,691,678	0%	1,691,...	soil_pr
soil_metadata_pr690.txt	Text Document	8/11/2008 9:10 AM	46,495	77%	10,810	soil_pr
soil_metadata_pr690.xml	XML Document	8/11/2008 9:10 AM	39,143	74%	10,148	soil_pr
soilmu_a_pr690.dbf	DBF File	8/3/2008 6:12 PM	268,497	97%	7,904	soil_pr
soilmu_a_pr690.prj	PRJ File	8/3/2008 6:12 PM	424	37%	268	soil_pr
soilmu_a_pr690.sbn	SBN File	8/3/2008 6:12 PM	36,852	44%	20,587	soil_pr
soilmu_a_pr690.sbx	SBX File	8/3/2008 6:12 PM	996	42%	580	soil_pr
soilmu_a_pr690.shp	SHP File	8/3/2008 6:12 PM	12,115,...	25%	9,039,...	soil_pr
soilmu_a_pr690.shx	SHP File	8/3/2008 6:12 PM	22,140	22%	21,462	soil_pr

Selected 0 files, 0 bytes

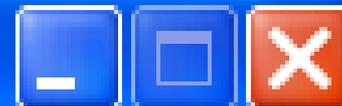
Total 104 files, 39,278KB

Make sure to extract the information where you want it



Then click at extract

WinZip



Extracting soilmu_p_pr690.prj



Cancel

File and Folder Tasks

- Make a new folder
- Publish this folder to the Web

Other Places

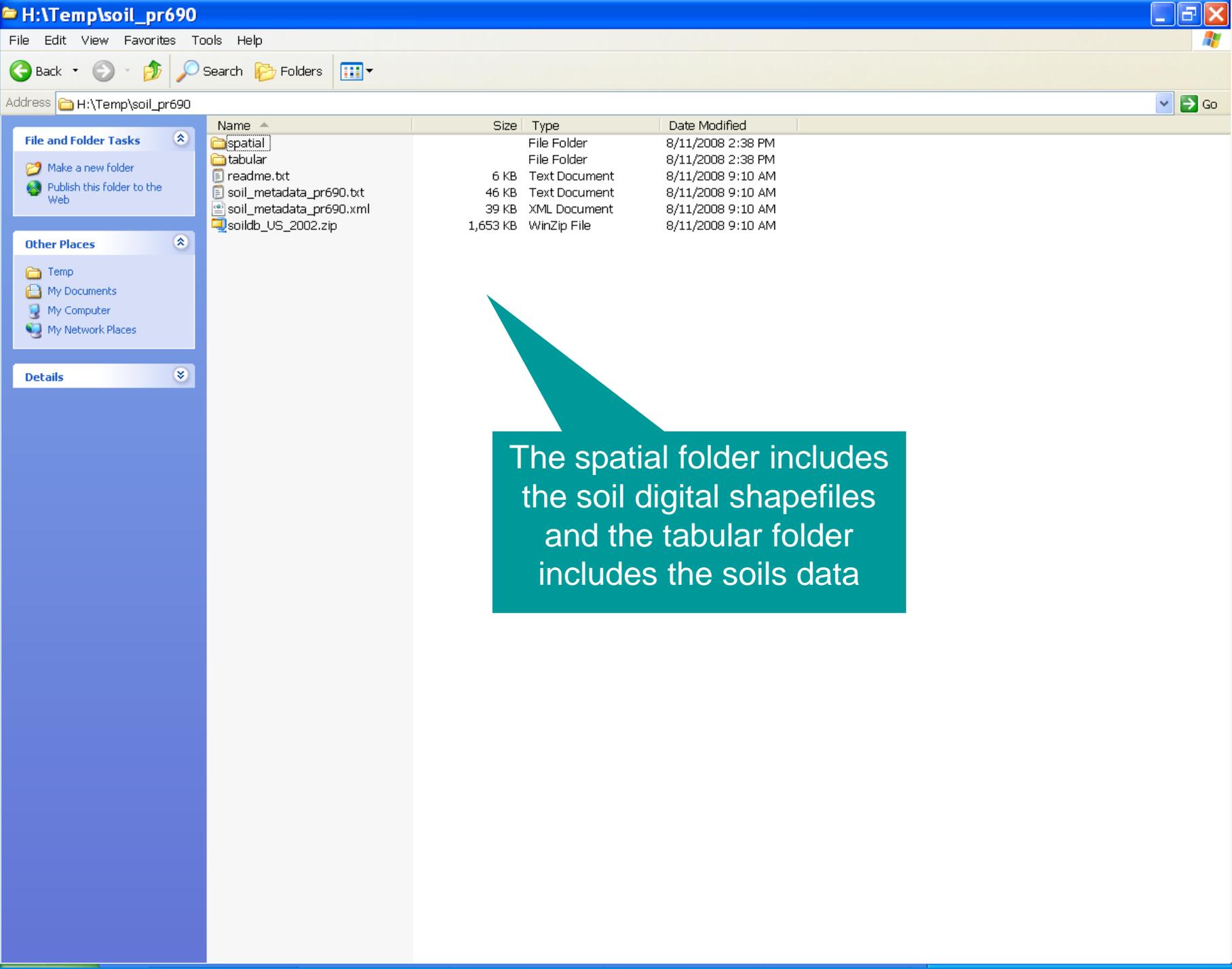
- Carmen.Santiago on 'Prsanjuan0c001' (H:)
- My Documents
- My Computer
- My Network Places

Details

Your file looks like this

- san_erman_PR.tif
- san_erman_PR_2.zip
- soil_pr690

Size	Type	Date Modified	Owner
	File Folder	1/22/2008 1:57 PM	AGEAST\Carmen.Sa...
	File Folder	5/19/2008 12:18 PM	AGEAST\Carmen.Sa...
	File Folder	10/3/2006 12:41 PM	AGEAST\Carmen.Sa...
	File Folder	1/31/2007 12:56 PM	AGEAST\Carmen.Sa...
	File Folder	4/11/2008 11:24 AM	AGEAST\Carmen.Sa...
2,419 KB	Microsoft Excel Wor...	4/28/2008 1:22 PM	AGEAST\Carmen.Sa...
1 KB	MS-DOS Batch File	9/21/2006 1:59 PM	AGEAST\Carmen.Sa...
115,609 KB	TIF File	4/3/2008 9:51 AM	AGEAST\Carmen.Sa...
295 KB	WinZip File	4/3/2008 11:27 AM	AGEAST\Carmen.Sa...
	File Folder	8/11/2008 2:38 PM	AGEAST\Carmen.Sa...



Name	Size	Type	Date Modified
spatial		File Folder	8/11/2008 2:38 PM
tabular		File Folder	8/11/2008 2:38 PM
readme.txt	6 KB	Text Document	8/11/2008 9:10 AM
soil_metadata_pr690.txt	46 KB	Text Document	8/11/2008 9:10 AM
soil_metadata_pr690.xml	39 KB	XML Document	8/11/2008 9:10 AM
soildb_US_2002.zip	1,653 KB	WinZip File	8/11/2008 9:10 AM

File and Folder Tasks

- Make a new folder
- Publish this folder to the Web

Other Places

- Temp
- My Documents
- My Computer
- My Network Places

Details

The spatial folder includes the soil digital shapefiles and the tabular folder includes the soils data

In order to view any report, popup blocking must be disabled. In order to view a report in PDF format (the default format), your browser must be configured to use a PDF viewer (such as Adobe® Reader® software).

 [Commonly Used Soil Properties by Report \(11K\)](#)
This report lists some of the more commonly used soil properties, and the report(s) in which each soil property is displayed.

Please select the map units that you would like to report on:

Map Unit Symbol	Map Unit Name
AcD	Annaberg-Cramer complex, 12 to 20 percent slopes, extremely ston y
AcE	Annaberg-Cramer complex, 20 to 40 percent slopes, extremely ston y
AcF	Annaberg-Cramer complex, 40 to 60 percent slopes, extremely ston y
AcG	Annaberg-Cramer complex, 60 to 90 percent slopes, extremely ston y
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AmG	Annaberg-Maho Bay complex, 60 to 90 percent slopes, extremely st ony
AqA	Aquents, 0 to 2 percent slopes, ponded
ArB	Arawak gravelly loam, 2 to 5 percent slopes, very stony
ArC	Arawak gravelly loam, 5 to 12 percent slopes, very stony
ArD	Arawak gravelly loam, 12 to 20 percent slopes, very stony
ArE	Arawak gravelly loam, 20 to 40 percent slopes, very stony
ArF	Arawak gravelly loam, 40 to 70 percent slopes, very stony

Select All Selection Help Clear Selections

Please select the report that you would like to generate:

- Acreage and Proportionate Extent of the Soils
- Acreage and Proportionate Extent of the Soils**
- Acreage and Proportionate Extent of the Soils by County
- Agricultural Disposal of Manure, Food-Processing Waste, and Sewage Sludge
- Agricultural Disposal of Wastewater by Irrigation and Overland Flow
- Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment
- Camp Areas, Picnic Areas, and Playgrounds
- Chemical Soil Properties
- Component Legend
- Component Text
- Damage by Fire and Seedling Mortality on Forestland
- Dwellings and Small Commercial Buildings
- Engineering Properties
- Forestland Planting and Harvesting
- Forestland Productivity
- Forestland Site Preparation
- Haul Roads, Log Landings, and Soil Rutting on Forestland
- Hazard of Erosion and Suitability for Roads on Forestland
- 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
- Large Animal Carcass Disposal
- Map Unit Description
- Map Unit Description (Brief)
- Map Unit Description (Brief, Generated)
- Map Unit Legend

View Description
Subscribe

You can select from a number of reports

▲ Back to Top

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Select All

Selection Help

Clear Selections

Please select the report that you would like to generate:

Camp Areas, Pionio Areas, and Playgrounds

View Description

Include Minor Soils

Include Description

Rich Text Format

Select Survey Area

Generate Report

See Disclaimer

View Metadata

Download Data

Subscribe

Select the report and click at generate report

Camp Areas, Picnic Areas, and Playgrounds

Virgin Islands of the United States

[The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the potential limitation. The table shows only the top five limitations for any given soil. The soil may have additional limitations]

Map symbol and soil name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value

AcE:

Annaberg	60	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Slow water movement	0.45	Slow water movement	0.45	Gravel content	0.98
						Slow water movement	0.45

Cramer	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
					Gravel content	0.98	

AcG:

Annaberg	60	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Slow water movement	0.45	Slow water movement	0.45	Gravel content	0.98
						Slow water movement	0.45

Cramer	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
					Gravel content	0.98	

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Please select the report that you would like to generate:

 Include Minor Soils

 Include Description

 Rich Text Format

You can also add to your report, minor soils and report description

You can print
or save the
report

Camp Areas, Picnic Areas, and Playgrounds

Virgin Islands of the United States

[The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the potential limitation. The table shows only the top five limitations for any given soil. The soil may have additional limitations]

Map symbol and soil name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
AcE:							
Annaberg	60	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Slow water movement	0.45	Slow water movement	0.45	Gravel content	0.98
					Slow water movement	0.45	
Cramer	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
					Gravel content	0.98	
Jealousy	5	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
						Gravel content	0.76
					Depth to bedrock	0.26	
Maho Bay	5	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Slow water movement	0.41	Slow water movement	0.41	Depth to bedrock	0.97
					Slow water movement	0.41	
Parasol	5	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.04	Slope	0.04	Slope	1.00

Camp Areas, Picnic Areas, and Playgrounds

The soils of the survey area are rated in this table according to limitations that affect their suitability for camp areas, picnic areas, and playgrounds. The ratings are both verbal and numerical. Rating class terms indicate the extent to which the soils are limited by all of the soil features that affect the recreational uses. "Not limited" indicates that the soil has features that are very favorable for the specified use. Good performance and very low maintenance can be expected. "Somewhat limited" indicates that the soil has features that are moderately favorable for the specified use. The limitations can be overcome or minimized by special planning, design, or installation. Fair performance and moderate maintenance can be expected. "Very limited" indicates that the soil has one or more features that are unfavorable for the specified use. The limitations generally cannot be overcome without major soil reclamation, special design, or expensive installation procedures. Poor performance and high maintenance can be expected.

Numerical ratings in the table indicate the severity of individual limitations. The ratings are shown as decimal fractions ranging from 0.01 to 1.00. They indicate gradations between the point at which a soil feature has the greatest negative impact on the use (1.00) and the point at which the soil feature is not a limitation (0.00).

The ratings are based on restrictive soil features, such as wetness, slope, and texture of the surface layer. Susceptibility to flooding is considered. Not considered in the ratings, but important in evaluating a site, are the location and accessibility of the area, the size and shape of the area and its scenic quality, vegetation, access to water, potential water impoundment sites, and access to public sewer lines. The capacity of the soil to absorb septic tank effluent and the ability of the soil to support vegetation also are important. Soils that are subject to flooding are limited for recreational uses by the duration and intensity of flooding and the season when flooding occurs. In planning recreational facilities, onsite assessment of the height, duration, intensity, and frequency of flooding is essential.

The information in this table can be supplemented by other information, for example, interpretations for dwellings without basements, for local roads and streets, and for septic tank absorption fields.

"Camp areas" require site preparation, such as shaping and leveling the tent and parking areas, stabilizing roads and intensively used areas, and installing sanitary facilities and utility lines. Camp areas are subject to heavy foot traffic and some vehicular traffic. The ratings are based on the soil properties that affect the ease of developing camp areas and the performance of the areas after development. Slope, stoniness, and depth to bedrock or a cemented pan are the main concerns affecting the development of camp areas. The soil properties that affect the performance of the areas after development are those that influence trafficability and promote the growth of vegetation, especially in heavily used areas. For good trafficability, the surface of camp areas should absorb rainfall readily, remain firm under heavy foot traffic, and not be dusty when dry. The soil properties that influence trafficability are texture of the surface layer, depth to a water table, ponding, flooding, saturated hydraulic conductivity (Ksat), and large stones. The soil properties that affect the growth of plants are depth to bedrock or a cemented pan, Ksat, and toxic substances in the soil.

"Picnic areas" are subject to heavy foot traffic. Most vehicular traffic is confined to access roads and parking areas. The ratings are based on the soil properties that affect the ease of developing picnic areas and that influence trafficability and the growth of vegetation after development. Slope and stoniness are the main concerns affecting the development of picnic areas. For good trafficability, the surface of picnic areas should absorb rainfall readily, remain firm under heavy foot traffic, and not be dusty when dry. The soil properties that influence trafficability are texture of the surface layer, depth to a water table, ponding, flooding, Ksat, and large stones. The soil properties that affect the growth of plants are depth to bedrock or a cemented pan, Ksat, and toxic substances in the soil.

"Playgrounds" require soils that are nearly level, are free of stones, and can withstand intensive foot traffic. The ratings are based on the soil properties that affect the ease of developing playgrounds and that influence trafficability and the growth of vegetation after development. Slope and stoniness are the main concerns affecting the development of playgrounds. For good trafficability, the surface of the playgrounds should absorb rainfall readily, remain firm under heavy foot traffic, and not be dusty when dry. The soil properties that influence trafficability are texture of the surface layer, depth to a water table, ponding, flooding, Ksat, and large stones. The soil properties that affect the growth of plants are depth to bedrock or a cemented pan, Ksat, and toxic substances in the soil.

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Please select the report that you would like to generate:

 Include Minor Soils

 Include Description

 Rich Text Format

For a map unit
description, use
this report



Map Unit Description (Brief, Generated)

Virgin Islands of the United States

[Minor map unit components are excluded from this report]

Map unit: AcE - Annaberg-Cramer complex, 20 to 40 percent slopes, extremely stony

Component: Annaberg (60%)

The Annaberg component makes up 60 percent of the map unit. Slopes are 20 to 40 percent. This component is on hills on hills, ridges on hills, mountain slopes on mountains. The parent material consists of weathered material. Depth to a root restrictive layer, bedrock, lithic, is 10 to 20 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 5 percent. Nonirrigated land capability classification is 6s. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 1 percent. The soil has a slightly sodic horizon within 30 inches of the soil surface.

Component: Cramer (20%)

The Cramer component makes up 20 percent of the map unit. Slopes are 20 to 40 percent. This component is on hills on hills, mountain slopes on mountains, ridges on mountains. The parent material consists of weathered material. Depth to a root restrictive layer, bedrock, lithic, is 10 to 20 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is very low. Shrink-swell potential is high. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 7 percent. Nonirrigated land capability classification is 6s. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 3 percent. The soil has a slightly sodic horizon within 30 inches of the soil surface.

Map unit: AcG - Annaberg-Cramer complex, 60 to 90 percent slopes, extremely stony

Component: Annaberg (60%)

The Annaberg component makes up 60 percent of the map unit. Slopes are 60 to 90 percent. This component is on mountain slopes on mountains, hills on hills, ridges on hills. The parent material consists of weathered material. Depth to a root restrictive layer, bedrock, lithic, is 10 to 20 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 5 percent. Nonirrigated land capability classification is 7s. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 1 percent. The soil has a slightly sodic horizon within 30 inches of the soil surface.

Component: Cramer (20%)

Please select at least 1, but no more than 3, soil interpretations to be included in your report.

Soil Interpretation Name
ENG - Construction Materials; Roadfill
ENG - Construction Materials; Sand Source
ENG - Construction Materials; Topsoil
ENG - Dwellings W/O Basements
ENG - Dwellings With Basements
ENG - Hydrologic Soil Group Generator
ENG - Lawn, Landscape, Golf Fairway
ENG - Local Roads and Streets
ENG - Sanitary Landfill (Area)
ENG - Septic Tank Absorption Fields
ENG - Sewage Lagoons
ENG - Shallow Excavations
ENG - Small Commercial Buildings
FOR - Construction Limitations for Haul Roads/Log Landings
MIL - Bivouac Areas (DOD)
MIL - Excavations Crew-Served Weapon Fighting Position (DOD)
MIL - Excavations for Individual Fighting Position (DOD)
MIL - Excavations for Vehicle Fighting Position (DOD)
MIL - Helicopter Landing Zones (DOD)

Selection Help

Include Minor Soils

Include Descriptions

Rich Text Format

Generate Report

Cancel

Report Title (<= 80 characters):
Selected Soil Interpretations

1st Selected Soil Interpretation Column Heading (<= 80 characters):
ENG - Dwellings W/O Basements

2nd Selected Soil Interpretation Column Heading (<= 80 characters):
ENG - Lawn, Landscape, Golf Fairway

3rd Selected Soil Interpretation Column Heading (<= 80 characters):
ENG - Septic Tank Absorption Fields

You can select up to three interpretations using the Ctrl key

Selected Soil Interpretations

Virgin Islands of the United States

[The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The table shows only the top five limitations for any given soil. The soil may have additional limitations]

*This soil interpretation was designed as a "limitation" as opposed to a "suitability". The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the potential limitation.

Map symbol and soil name	Pct. of map unit	ENG - Dwellings W/O Basements *		ENG - Lawn, Landscape, Golf Fairway *		ENG - Septic Tank Absorption Fields *	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
AcE:							
Annaberg	60	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
		Depth to hard bedrock	1.00	Droughty	1.00	Slope	1.00
				Depth to bedrock	1.00		
				Large stones content	0.74		
Cramer	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
		Depth to hard bedrock	1.00	Depth to bedrock	1.00	Slope	1.00
		Shrink-swell	1.00	Droughty	1.00		
				Large stones content	0.74		
AcG:							
Annaberg	60	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
		Depth to hard bedrock	1.00	Droughty	1.00	Slope	1.00
				Depth to bedrock	1.00		
				Large stones content	0.74		
Cramer	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
		Depth to hard bedrock	1.00	Depth to bedrock	1.00	Slope	1.00
				Droughty	1.00		



Selected Soil Interpretations

This report allows the customer to produce a report showing the results of the soil interpretation(s) of his or her choice. It is useful when a standard report that displays the results of the selected interpretation(s) is not available.

When customers select this report, they are presented with a list of interpretations with results for the selected map units. The customer may select up to three interpretations to be presented in table format.

For a description of the particular interpretations and their criteria, use the "Selected Survey Area Interpretation Descriptions" report.



In order to view any report, popup blocking must be disabled. In order to view a report in PDF format (the default format), your browser must be configured to use a PDF viewer (such as Adobe® Reader® software).


[Commonly Used Soil Properties by Report \(11K\)](#)

This report lists some of the more commonly used soil properties, and the report(s) in which each soil property is displayed.

Please select the map units that you would like to report on:

Map Unit Symbol	Map Unit Name
AcD	Annaberg-Cramer complex, 12 to 20 percent slopes, extremely ston y
AcE	Annaberg-Cramer complex, 20 to 40 percent slopes, extremely ston y
AcF	Annaberg-Cramer complex, 40 to 60 percent slopes, extremely ston y
AcG	Annaberg-Cramer complex, 60 to 90 percent slopes, extremely ston y
AmD	Annaberg-Maho Bay complex, 12 to 20 percent slopes, extremely st ony
AmE	Annaberg-Maho Bay complex, 20 to 40 percent slopes, extremely st ony
AmF	Annaberg-Maho Bay complex, 40 to 60 percent slopes, extremely st ony
AmG	Annaberg-Maho Bay complex, 60 to 90 percent slopes, extremely st ony
AqA	Aquents, 0 to 2 percent slopes, ponded
ArB	Arawak gravelly loam, 2 to 5 percent slopes, very stony
ArC	Arawak gravelly loam, 5 to 12 percent slopes, very stony
ArD	Arawak gravelly loam, 12 to 20 percent slopes, very stony
ArE	Arawak gravelly loam, 20 to 40 percent slopes, very stony
ArF	Arawak gravelly loam, 40 to 70 percent slopes, very stony

Please select the report that you would like to generate:

 Include Minor Soils

 Include Description

 Rich Text Format

For a description report and criteria of the interpretation selected, go here

Please select at least 1 soil interpretation to be included in your report.

Soil Interpretation Name
<input type="checkbox"/> ENG - Construction Materials; Gravel Source
<input type="checkbox"/> ENG - Construction Materials; Reclamation
<input type="checkbox"/> ENG - Construction Materials; Roadfill
<input type="checkbox"/> ENG - Construction Materials; Sand Source
<input type="checkbox"/> ENG - Construction Materials; Topsoil
<input type="checkbox"/> ENG - Dwellings W/O Basements
<input type="checkbox"/> ENG - Dwellings With Basements
<input type="checkbox"/> ENG - Hydrologic Soil Group Generator
<input type="checkbox"/> ENG - Lawn, Landscape, Golf Fairway
<input type="checkbox"/> ENG - Local Roads and Streets
<input type="checkbox"/> ENG - Sanitary Landfill (Area)
<input checked="" type="checkbox"/> ENG - Septic Tank Absorption Fields
<input type="checkbox"/> ENG - Sewage Lagoons
<input type="checkbox"/> ENG - Shallow Excavations
<input type="checkbox"/> ENG - Small Commercial Buildings
<input type="checkbox"/> FOR - Construction Limitations for Haul Roads/Log Landings
<input type="checkbox"/> MIL - Bivouac Areas (DOD)
<input type="checkbox"/> MIL - Excavations Crew-Served Weapon Fighting Position (DOD)
<input type="checkbox"/> MIL - Excavations for Individual Fighting Position (DOD)
<input type="checkbox"/> MIL - Excavations for Vehicle Fighting Position (DOD)
<input type="checkbox"/> MTL - Helicopter Landing Zones (DOD)

Selection Help

Include Description

Generate Report

Cancel

Rich Text Format

Choose the descriptions for your selected interpretations report



Remember, you
can print it or
save it

Selected Survey Area Interpretation Descriptions

Virgin Islands of the United States

Interpretation name: **ENG - Dwellings W/O Basements**

Displayed in report(s): Dwellings and Small Commercial Buildings

Summary:

Soils can be a non-member, partial member or complete members of the set of soils that are limited for "Dwellings W/O Basements". If a soil's property within 150 cm (60 inches) of the soil surface has a membership indices greater than zero, then that soil property is limiting and the soil restrictive feature is identified. The overall interpretive rating assigned is the maximum membership indices of each soil interpretive property that comprise the "Dwellings W/O Basements" interpretive rule. Minor restrictive soil features are identified but not considered as part of the overall rating process. These restrictive features could be important factors where the major restrictive features are overcome through design application.

Soils are placed into interpretive rating classes per their rating indices. These are not limited (rating index = 0), somewhat limited (rating index > 0 and < 1.0), or very limited (rating index = 1.0).

Description:

Dwellings without basements are single-family houses of three stories or less without basements. The foundation is assumed to be spread footings of reinforced concrete built on undisturbed soil at a depth of 2 feet or at the depth of maximum frost penetration, whichever is deeper.

Scope: National

Soil properties influence the development of building and construction sites, including the selection of the site, the design of the structure, construction, performance, and after construction maintenance. The soil interpretations for dwellings w/o basements are used as a tool in evaluating soil suitability and identifying soil limitations for the practice. The rating is for soils in their present condition and does not consider present land use.

Ratings are based on soil properties and qualities affecting the capacity of soil to support a load without movement and on those that affect excavation and construction costs. The properties and qualities affecting load-supporting capacity without movement are the presence of a high water table, flooding, and the shrink-swell behavior and compressibility of the soils. Compressibility is inferred from the Unified classification. Properties influencing the ease and amount of excavation are a seasonal high water table, slope, depth to bedrock or to a cemented pan, and the amount and size of rock fragments.

Criteria:

The interpretive rating is the most limiting of the following restrictive features.

1. Depth to hard bedrock: Shallow depth to hard bedrock limits site preparation such as shaping and leveling and restricts installation of small buildings and roads or streets. Soil feature considered is the top depth of the first restrictive layer where restrictive type is "bedrock (lithic)". Depth to restrictive feature must be synchronized with the depth to the restrictive feature horizon shown in the horizon table.

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