

# Soil Data Mart

## Purpose and Procedures



# SDM Purpose

- **Provide a single point of delivery of official soil survey data & information to**
  - **FOTG/eFOTG**
  - **Customer Service Toolkit**
  - **Soil Data Viewer**
  - **Technical Service Providers**
  - **General public**
  - **Computer models**
- **Provide national coverage of soil data**

# SDM Content

- **Tabular data, including interpretations**
- **Digitized spatial data (SSURGO & STATSGO)**
  - **soil map units where available**
  - **soil survey area boundaries**
- **FGDC compliant SSURGO metadata file**
- **Partial SSA or whole SSA**
- **Certified by State Tech Guide Comm.**

# Soil Data Warehouse

- Houses current and archived versions of data



# Soil Data Mart

- **Contains only the “current” version of official data**
  - **Web accessible**
  - **Can be linked to eFOTG**
  - **Data used by Web Soil Survey**
- 

# Soil Data Mart Functions

- **Generate standard reports**
  - selected map units, or whole SSA
- **Download SSURGO data - ftp**
- **Download Access template**
  - national or state-specific

# SDM Access

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

# SDM Home page

United States Department of Agriculture  
**NRCS** Natural Resources Conservation Service

**Soil Data Mart**

Home Select State State Contacts Template Databases SSURGO Metadata Status Map US General Soil Map Logon/Register Help

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 whenever data for that soil survey area 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 or printed soil maps and survey area manuscripts, when they exist for the corresponding survey area, is available through [Web Soil Survey](#).

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

Select State

Click to start

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.](#)

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# Select State of Interest

United States Department of Agriculture  
**NRCS** Natural Resources Conservation Service

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

State or Territory Code	State or Territory Name	Available Survey Areas
AL	Alabama	67
AK	Alaska	27
AZ	Arizona	44
AR	Arkansas	66
CA	California	97
CO	Colorado	63
CT	Connecticut	1
DC	District of Columbia	1
DE	Delaware	3
FL	Florida	68
GA	Georgia	95
HI	Hawaii	6
ID	Idaho	43
IL	Illinois	102
IN	Indiana	92
IA	Iowa	99
<b>KS</b>	<b>Kansas</b>	<b>105</b>
KY	Kentucky	83
LA	Louisiana	64
ME	Maine	16
MD	Maryland	25
MA	Massachusetts	19

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# Select County or Soil Survey Area

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**NRCS** Natural Resources Conservation Service

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

State or Territory Code	State or Territory Name	Available Survey Areas
AL	Alabama	67
AK	Alaska	27
AZ	Arizona	44
AR	Arkansas	66
CA	California	97
CO	Colorado	63
CT	Connecticut	1
DC	District of Columbia	1
DE	Delaware	3
FL	Florida	68
GA	Georgia	95
HI	Hawaii	6
ID	Idaho	43
IL	Illinois	102
IN	Indiana	92
IA	Iowa	99
<b>KS</b>	<b>Kansas</b>	<b>105</b>
KY	Kentucky	83
LA	Louisiana	64
ME	Maine	16
MD	Maryland	25
MA	Massachusetts	19

↔

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# Select Soil Survey Area of Interest

United States Department of Agriculture  
**NRCS** Natural Resources Conservation Service  
Kansas

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Please select a soil survey area:

Survey Area Symbol	Survey Area Name	Available Data
KS001	Allen County, Kansas	Tabular and Spatial
KS003	Anderson County, Kansas	Tabular and Spatial
KS005	Atchison County, Kansas	Tabular and Spatial
KS007	Barber County, Kansas	Tabular and Spatial
KS009	Barton County, Kansas	Tabular and Spatial
KS011	Bourbon County, Kansas	Tabular and Spatial
<b>KS013</b>	<b>Brown County, Kansas</b>	<b>Tabular and Spatial</b>
KS015	Butler County, Kansas	Tabular and Spatial
KS017	Chase County, Kansas	Tabular and Spatial
KS019	Chautauqua County, Kansas	Tabular and Spatial
KS021	Cherokee County, Kansas	Tabular and Spatial
KS023	Cheyenne County, Kansas	Tabular and Spatial
KS025	Clark County, Kansas	Tabular and Spatial
KS027	Clay County, Kansas	Tabular and Spatial
KS029	Cloud County, Kansas	Tabular and Spatial
KS031	Coffey County, Kansas	Tabular and Spatial
KS033	Comanche County, Kansas	Tabular and Spatial
KS035	Cowley County, Kansas	Tabular and Spatial
KS037	Crawford County, Kansas	Tabular and Spatial
KS039	Decatur County, Kansas	Tabular and Spatial

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[Select State](#) [Select County](#)

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# Various Options Available

United States Department of Agriculture  
**NRCS** Natural Resources Conservation Service

Kansas

**Soil Data Mart**

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KS009	Barton County, Kansas	Tabular and Spatial
KS011	Bourbon County, Kansas	Tabular and Spatial
KS013	Brown County, Kansas	Tabular and Spatial
KS015	Butler County, Kansas	Tabular and Spatial
KS017	Chase County, Kansas	Tabular and Spatial
KS019	Chautauqua County, Kansas	Tabular and Spatial
KS021	Cherokee County, Kansas	Tabular and Spatial
KS023	Cheyenne County, Kansas	Tabular and Spatial
KS025	Clark County, Kansas	Tabular and Spatial
KS027	Clay County, Kansas	Tabular and Spatial
KS029	Cloud County, Kansas	Tabular and Spatial
KS031	Coffey County, Kansas	Tabular and Spatial
KS033	Comanche County, Kansas	Tabular and Spatial
KS035	Cowley County, Kansas	Tabular and Spatial
KS037	Crawford County, Kansas	Tabular and Spatial
KS039	Decatur County, Kansas	Tabular and Spatial

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Select State Select County

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# Generate Reports Option

United States Department of Agriculture  
**NRCS** Natural Resources Conservation Service

KS013 - Brown County, Kansas  
Kansas

**Soil Data Mart**

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**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
4350	Chase silty clay loam, rarely flooded
4725	Kipson-Sogn complex, 5 to 30 percent slopes
4832	Wamego silty clay loam, 3 to 7 percent slopes
4834	Wamego-Vinland silty clay loams, 3 to 15 percent slopes
7050	Kennebec silt loam, occasionally flooded
7051	Kennebec silt loam, frequently flooded
7060	Muscotah silt loam, overwash, occasionally flooded
7061	Muscotah silty clay loam, occasionally flooded
7091	Wabash silty clay, occasionally flooded
7171	Reading silt loam, moderately wet, rarely flooded
7205	Aksarben silty clay loam, 0 to 2 percent slopes
7206	Aksarben silty clay loam, 2 to 6 percent slopes
7207	Aksarben silty clay loam, 6 to 11 percent slopes
7220	Burchard clay loam, 6 to 12 percent slopes

Select All Selection Help Clear Selections

Please select the report that you would like to generate:

Acreage and Proportionate Extent of the Soils View Description

Include Minor Soils  Include Description  Rich Text Format

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# Select map units to include in report

Home Select State State Contacts Template Databases SSURGO Metadata Status Map US General Soil Map Logon/Register Help

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7207	Aksarben silty clay loam, 6 to 11 percent slopes
7220	Burchard clay loam, 6 to 12 percent slopes

Select All Selection Help Clear Selections

Please select the report that you would like to generate:

Chemical Soil Properties

Include Minor Soils  Include Description  Rich Text Format

# Select desired report from list; generate the report

Home Select State State Contacts Template Databases SSURGO Metadata Status Map US General Soil Map Logon/Register Help

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 [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:

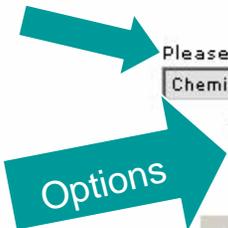
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7220	Burchard clay loam, 6 to 12 percent slopes

Select All Selection Help Clear Selections

Please select the report that you would like to generate:

Chemical Soil Properties

Include Minor Soils  Include Description  Rich Text Format



# Report Output

Soil Data Mart - Chemical Soil Properties - Microsoft Internet Explorer

111%

## Chemical Soil Properties

Brown County, Kansas

Map symbol and soil name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	<i>In</i>	<i>meq/100 g</i>	<i>meq/100 g</i>	<i>pH</i>	<i>Pct</i>	<i>Pct</i>	<i>mmhos/cm</i>	
4832:								
Wamego	0-9	22-27	---	5.6-6.5	0	0	0.0	0
	9-20	28-33	---	5.6-7.3	0	0	0.0	0
	20-25	27-32	---	5.6-7.3	0	0	0.0	0
	25-36	---	---	---	---	---	---	---
Olmitz	0-7	20-25	---	5.6-7.3	0	0	0.0	0
	7-20	20-25	---	5.6-7.3	0	0	0.0	0
	20-42	20-25	---	5.1-6.5	0	0	0.0	0
	42-80	20-25	---	5.1-6.5	0	0	0.0	0
Pawnee	0-7	20-35	---	5.6-7.3	0	0	0.0	0
	7-12	20-35	---	5.6-7.3	0	0	0.0	0
	12-48	25-45	---	6.1-8.4	0-5	0	0.0	0
	48-80	15-30	---	7.4-8.4	1-15	0	0.0	0
7050:								
Kennebec	0-8	19-26	---	5.6-7.3	0	0	0.0	0
	8-18	19-26	---	5.6-7.3	0	0	0.0	0
	18-32	19-26	---	5.6-7.3	0	0	0.0	0
	32-41	19-26	---	5.6-7.3	0	0	0.0	0
	41-54	20-25	---	6.1-7.3	0	0	0.0	0

8.5 x 11 in

1 of 4

# Report Description

Press SPACEBAR or ENTER to activate and use this control

Bookmarks  
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Layers  
Pages  
Comments

## Chemical Soil Properties

This table shows estimates of some chemical characteristics and features that affect soil behavior. These estimates are given for the layers of each soil in the survey area. The estimates are based on field observations and on test data for these and similar soils.

"Depth" to the upper and lower boundaries of each layer is indicated.

"Cation-exchange capacity" is the total amount of extractable bases that can be held by the soil, expressed in terms of milliequivalents per 100 grams of soil at neutrality (pH 7.0) or at some other stated pH value. Soils having a low cation-exchange capacity hold fewer cations and may require more frequent applications of fertilizer than soils having a high cation-exchange capacity. The ability to retain cations reduces the hazard of ground-water pollution.

"Effective cation-exchange capacity" refers to the sum of extractable bases plus aluminum expressed in terms of milliequivalents per 100 grams of soil. It is determined for soils that have pH of less than 5.5.

"Soil reaction" is a measure of acidity or alkalinity. It is important in selecting crops and other plants, in evaluating soil amendments for fertility and stabilization, and in determining the risk of corrosion.

"Calcium carbonate" equivalent is the percent of carbonates, by weight, in the fraction of the soil less than 2 millimeters in size. The availability of plant nutrients is influenced by the amount of carbonates in the soil. Incorporating nitrogen fertilizer into calcareous soils helps to prevent nitrite accumulation and ammonium-N volatilization.

"Gypsum" is expressed as a percent, by weight, of hydrated calcium sulfates in the fraction of the soil less than 20 millimeters in size. Gypsum is partially soluble in water. Soils that have a high content of gypsum may collapse if the gypsum is removed by percolating water.

"Salinity" is a measure of soluble salts in the soil at saturation. It is expressed as the electrical conductivity of the saturation extract, in millimhos per centimeter at 25 degrees C. Estimates are based on field and laboratory measurements at representative sites of nonirrigated soils. The salinity of irrigated soils is affected by the quality of the irrigation water and by the frequency of water application. Hence, the salinity of soils in individual fields can differ greatly from the value given in the table. Salinity affects the suitability of a soil for crop production, the stability of soil if used as construction material, and the potential of the soil to corrode metal and concrete.

"Sodium adsorption ratio" (SAR) is a measure of the amount of sodium (Na) relative to calcium (Ca) and magnesium (Mg) in the water extract from saturated soil paste. It is the ratio of the Na concentration divided by the square root of one-half of the Ca + Mg concentration. Soils that have SAR values of 13 or more may be characterized by an increased dispersion of organic matter and clay particles, reduced saturated hydraulic conductivity and aeration, and a general degradation of soil structure.

9.5 x 11 in

1 of 1

# Download SSURGO Data Option

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Kansas

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Please select a soil survey area:

Survey Area Symbol	Survey Area Name	Available Data
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KS003	Anderson County, Kansas	Tabular and Spatial
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KS007	Barber County, Kansas	Tabular and Spatial
KS009	Barton County, Kansas	Tabular and Spatial
KS011	Bourbon County, Kansas	Tabular and Spatial
KS013	Brown County, Kansas	Tabular and Spatial
KS015	Butler County, Kansas	Tabular and Spatial
KS017	Chase County, Kansas	Tabular and Spatial
KS019	Chautauqua County, Kansas	Tabular and Spatial
KS021	Cherokee County, Kansas	Tabular and Spatial
KS023	Cheyenne County, Kansas	Tabular and Spatial
KS025	Clark County, Kansas	Tabular and Spatial
KS027	Clay County, Kansas	Tabular and Spatial
KS029	Cloud County, Kansas	Tabular and Spatial
KS031	Coffey County, Kansas	Tabular and Spatial
KS033	Comanche County, Kansas	Tabular and Spatial
KS035	Cowley County, Kansas	Tabular and Spatial
KS037	Crawford County, Kansas	Tabular and Spatial
KS039	Decatur County, Kansas	Tabular and Spatial

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# Download Data Page – select desired options; submit request

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KS013 - Brown County, Kansas  
Kansas

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Please select the class of data you wish to download: ( Survey Area Version 7 , Tabular Version 4 , Spatial Version 3 )

Tabular Data Only     Tabular and Spatial Data     Spatial Data Only     Template Database Only

Please select a spatial format:     Please select a coordinate system:    

Please select a template database (optional):

	State	MS Access Version	Template DB Version	Template DB Name	Size
▶	US	Access 2002	33	soildb_US_2002	1.7M
	US	Access 2000	33	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.

Please enter your e-mail address:

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

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# View SSURGO Metadata for selected area

United States Department of Agriculture  
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KS013 - Brown County, Kansas  
Kansas

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Please select the class of data you wish to download: ( Survey Area Version 7 , Tabular Version 4 , Spatial Version 3 )

Tabular Data Only  Tabular and Spatial Data  Spatial Data Only  Template Database Only

Please select a spatial format:  Please select a coordinate system:

Please select a template database (optional):

	State	MS Access Version	Template DB Version	Template DB Name	Size
▶	US	Access 2002	33	soildb_US_2002	1.7M
	US	Access 2000	33	soildb_US_2000	1.7M
	US	Access 97	32	soildb_US_97	1.4M
	AK	Access 2002	32.15	soildb_AK_2002	2.5M

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# SSURGO Metadata File

United States Department of Agriculture  
NRCS Natural Resources Conservation Service

KS013 - Brown County, Kansas  
Kansas

Soil Data Mart

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## Soil Survey Geographic (SSURGO) database for Brown County, Kansas

Metadata also available as

**Metadata:**

- [Identification Information](#)
- [Data Quality Information](#)
- [Spatial Data Organization Information](#)
- [Spatial Reference Information](#)
- [Entity and Attribute Information](#)
- [Distribution Information](#)
- [Metadata Reference Information](#)

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*Identification\_Information:*  
*Citation:*  
*Citation\_Information:*  
*Originator:* U.S. Department of Agriculture, Natural Resources Conservation Service  
*Publication\_Date:* 20061231  
*Title:* Soil Survey Geographic (SSURGO) database for Brown County, Kansas  
*Publication\_Information:*  
*Publication\_Place:* Fort Worth, Texas  
*Publisher:* U.S. Department of Agriculture, Natural Resources Conservation Service

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# Subscribe to Selected Area – to be notified of updates to data

United States Department of Agriculture  
**NRCS** Natural Resources Conservation Service

KS013 - Brown County, Kansas  
Kansas

**Soil Data Mart**

Home Select State State Contacts Template Databases SSURGO Metadata Status Map US General Soil Map Logon/Register Help

Please select the class of data you wish to download: ( Survey Area Version 7 , Tabular Version 4 , Spatial Version 3 )

Tabular Data Only  Tabular and Spatial Data  Spatial Data Only  Template Database Only

Please select a spatial format:  Please select a coordinate system:

Please select a template database (optional):

State	MS Access Version	Template DB Version	Template DB Name	Size
US	Access 2002	33	soildb_US_2002	1.7M
US	Access 2000	33	soildb_US_2000	1.7M
US	Access 97	32	soildb_US_97	1.4M
AK	Access 2002	32.15	soildb_AK_2002	2.5M

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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@nrcc.usda.gov in order to receive e-mail notification once your request has been processed.**

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# Subscription form

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**NRCS** Natural Resources Conservation Service

KS013 - Brown County, Kansas  
Kansas

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### Soil Data Mart Account Logon

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](mailto:SoilDataMart@nrcs.usda.gov).**

My Soil Data Mart password is:

I forgot my Soil Data Mart password. Please e-mail it to me.

This is a new Soil Data Mart account.

*Benefits of having a Soil Data Mart account:* Having a Soil Data Mart account will allow you to subscribe to soil survey areas. If you have a subscription to a soil survey area, you will receive an e-mail notification any time that soil survey area is updated.

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# Enter email address and set up account

United States Department of Agriculture  
**NRCS** Natural Resources Conservation Service

KS013 - Brown County, Kansas  
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*Benefits of having a Soil Data Mart account:* Having a Soil Data Mart account will allow you to subscribe to soil survey areas. If you have a subscription to a soil survey area, you will receive an e-mail notification any time that soil survey area is updated.

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# Enter Password and Create Account

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### Create Soil Data Mart Account

Please enter your e-mail address:

New Password:

Confirm Password:

*Benefits of having a Soil Data Mart account:* Having a Soil Data Mart account will allow you to subscribe to soil survey areas. If you have a subscription to a soil survey area, you will receive an e-mail notification any time that soil survey area is updated.

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# Access to State Contact List

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State or Territory	Contact Person	Contact Phone	Contact E-Mail Address	Contact Fax	Contact TDD
Florida	Vacant	352-338-9533	-	352-338-9578	202-720-2600
Georgia	Edward P. Ealy, Jr.	706-546-2079	<a href="mailto:edward.ealy@ga.usda.gov">edward.ealy@ga.usda.gov</a>		(202) 720-2600
Hawaii	Christopher Smith	808-541-2600-119	<a href="mailto:Christopher.Smith@hi.usda.gov">Christopher.Smith@hi.usda.gov</a>	808-541-1335	(202) 720-2600
Idaho	Dave Hoover	208-378-5790-ext 1	<a href="mailto:david.hoover@id.usda.gov">david.hoover@id.usda.gov</a>		(202) 720-2600
Illinois	Robert L. McLeese	217-353-6643	<a href="mailto:bob.mcleese@il.usda.gov">bob.mcleese@il.usda.gov</a>		(202) 720-2600
Indiana	Travis Neely	317-290-3200 ext. 380	<a href="mailto:travis.neely@in.usda.gov">travis.neely@in.usda.gov</a>		(202) 720-2600
Iowa	Michael T. Suck	515-284-4353	<a href="mailto:mike.suck@ia.usda.gov">mike.suck@ia.usda.gov</a>		(202) 720-2600
<b>Kansas</b>	<b>Cleveland Watts</b>	<b>785-823-4558</b>	<b><a href="mailto:cleveland.watts@ks.usda.gov">cleveland.watts@ks.usda.gov</a></b>		<b>(202) 720-2600</b>
Kentucky	Bill Craddock	859-224-7369	<a href="mailto:bill.craddock@kv.usda.gov">bill.craddock@kv.usda.gov</a>		(202) 720-2600
Louisiana	Jerry J. Daigle	318-473-7757	<a href="mailto:jerry.daigle@la.usda.gov">jerry.daigle@la.usda.gov</a>		(202) 720-2600
Maine	Wayne D. Hoar	207-564-2321	<a href="mailto:wayne.hoar@me.usda.gov">wayne.hoar@me.usda.gov</a>		(202) 720-2600
Maryland	James H. Brown	443-482-2913	<a href="mailto:james.brown@md.usda.gov">james.brown@md.usda.gov</a>		(202) 720-2600
Massachusetts	Bruce W. Thompson	413-253-4370	<a href="mailto:bruce.thompson@ma.usda.gov">bruce.thompson@ma.usda.gov</a>		(202) 720-2600
Michigan	William L. Bowman	517-324-5241	<a href="mailto:william.bowman@mi.usda.gov">william.bowman@mi.usda.gov</a>	517-324-5171	May 10, 2006
Minnesota	Joseph W. McCloskey	651-602-7861	<a href="mailto:joe.mccloskey@mn.usda.gov">joe.mccloskey@mn.usda.gov</a>		(202) 720-2600
Mississippi	Mike Lilly	601-965-5209 Ext 244	<a href="mailto:mike.lilly@ms.usda.gov">mike.lilly@ms.usda.gov</a>	601-965-4430	

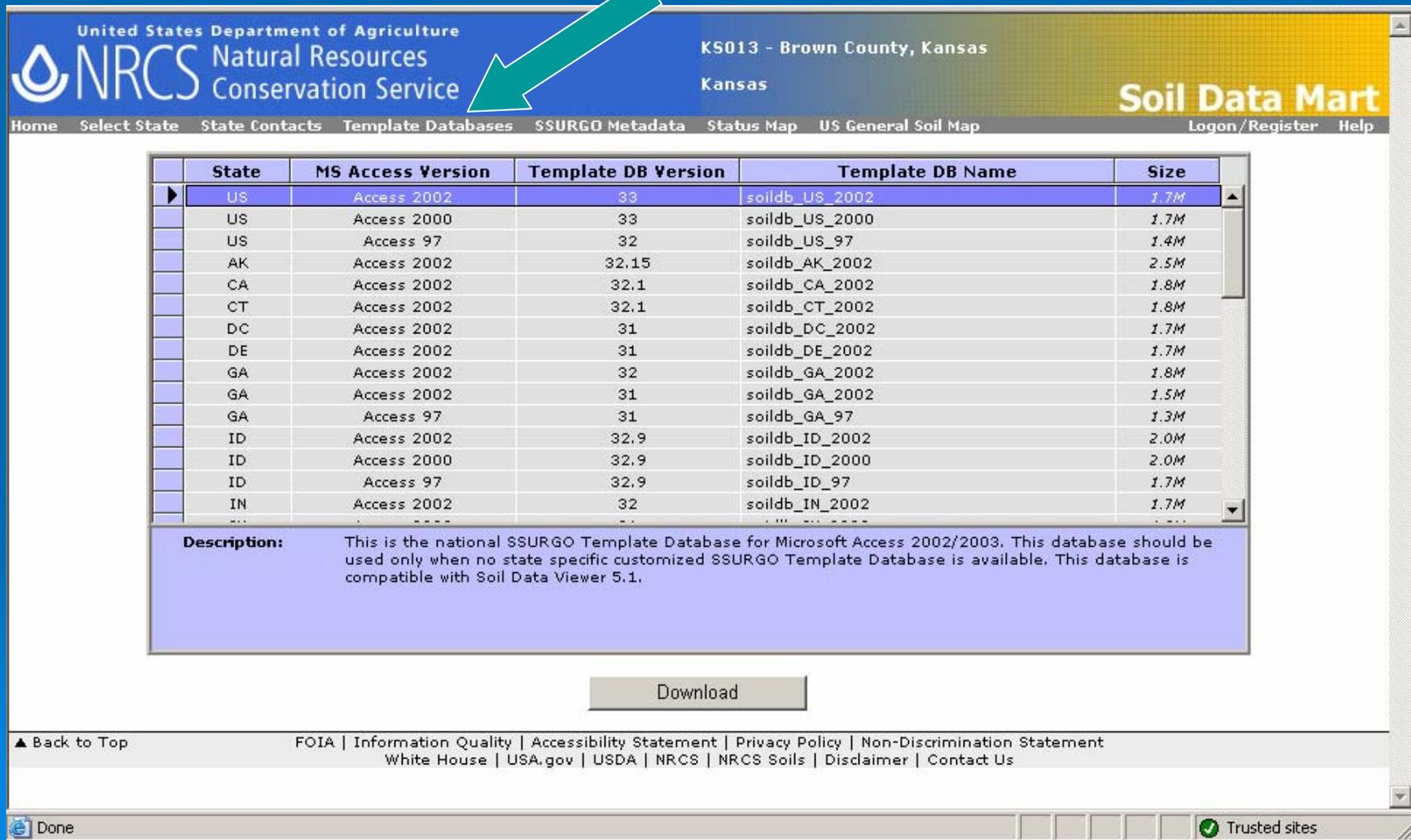
**Mailing Address:**

USDA - Natural Resources Conservation Service  
 Kansas State Office  
 760 South Broadway  
 Salina, KS 67401-4642

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State	MS Access Version	Template DB Version	Template DB Name	Size
US	Access 2002	33	soildb_US_2002	1.7M
US	Access 2000	33	soildb_US_2000	1.7M
US	Access 97	32	soildb_US_97	1.4M
AK	Access 2002	32.15	soildb_AK_2002	2.5M
CA	Access 2002	32.1	soildb_CA_2002	1.8M
CT	Access 2002	32.1	soildb_CT_2002	1.8M
DC	Access 2002	31	soildb_DC_2002	1.7M
DE	Access 2002	31	soildb_DE_2002	1.7M
GA	Access 2002	32	soildb_GA_2002	1.8M
GA	Access 2002	31	soildb_GA_2002	1.5M
GA	Access 97	31	soildb_GA_97	1.3M
ID	Access 2002	32.9	soildb_ID_2002	2.0M
ID	Access 2000	32.9	soildb_ID_2000	2.0M
ID	Access 97	32.9	soildb_ID_97	1.7M
IN	Access 2002	32	soildb_IN_2002	1.7M

**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.

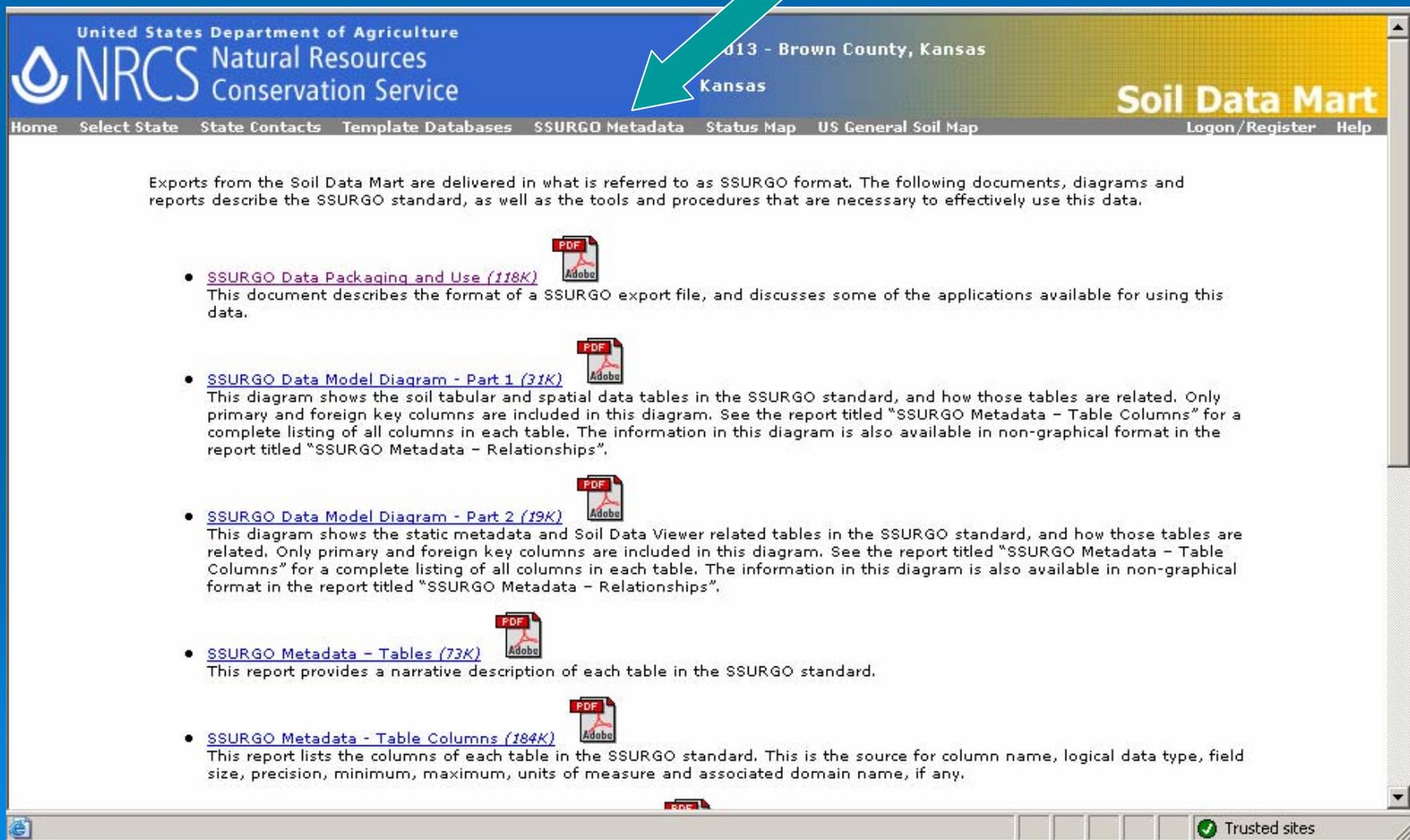
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# View Documentation for SSURGO

## Data



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13 - Brown County, Kansas  
Kansas

Soil Data Mart

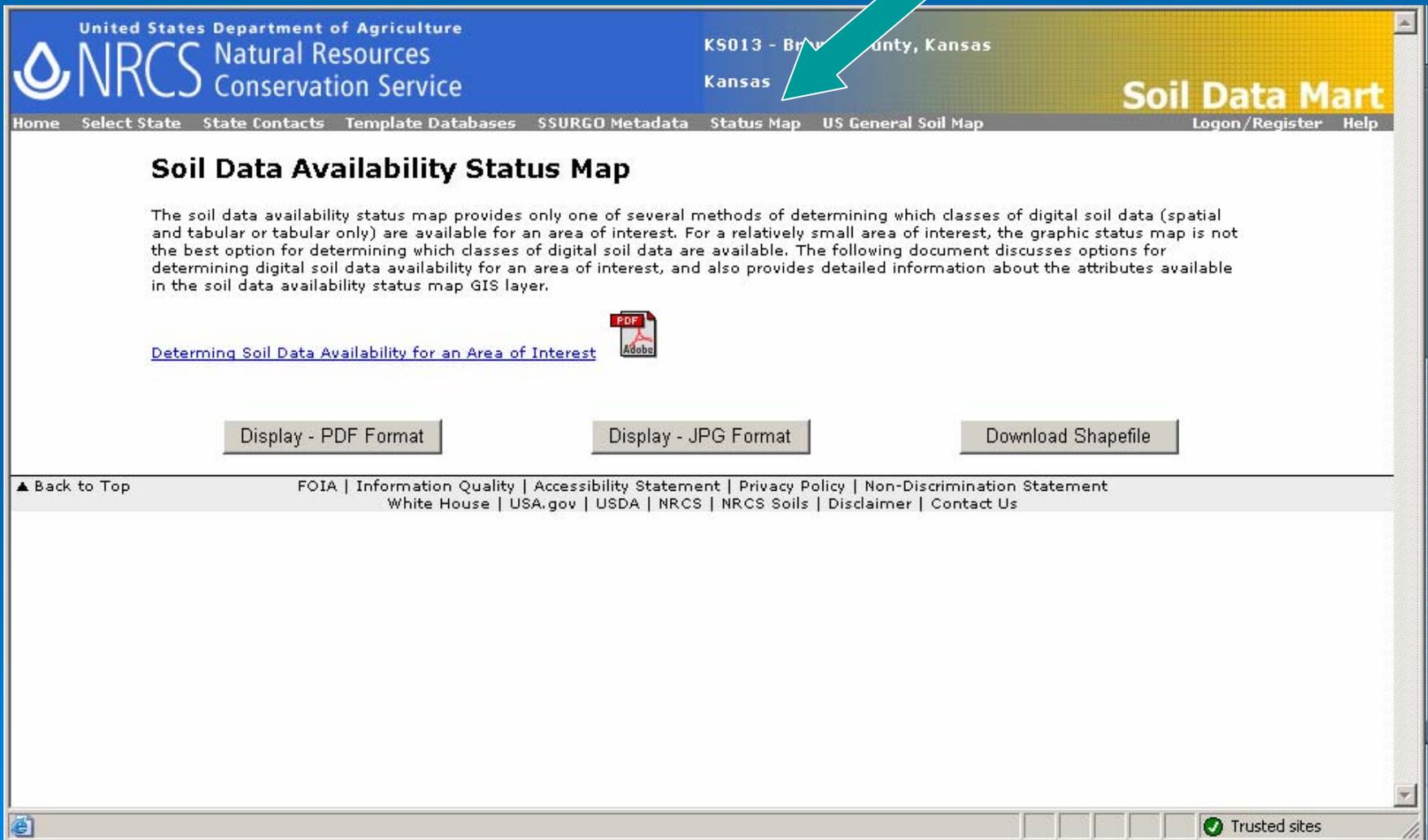
Home Select State State Contacts Template Databases **SSURGO Metadata** Status Map US General Soil Map Logon/Register Help

Exports from the Soil Data Mart are delivered in what is referred to as SSURGO format. The following documents, diagrams and reports describe the SSURGO standard, as well as the tools and procedures that are necessary to effectively use this data.

-  [SSURGO Data Packaging and Use \(118K\)](#)  
This document describes the format of a SSURGO export file, and discusses some of the applications available for using this data.
-  [SSURGO Data Model Diagram - Part 1 \(31K\)](#)  
This diagram shows the soil tabular and spatial data tables in the SSURGO standard, and how those tables are related. Only primary and foreign key columns are included in this diagram. See the report titled "SSURGO Metadata - Table Columns" for a complete listing of all columns in each table. The information in this diagram is also available in non-graphical format in the report titled "SSURGO Metadata - Relationships".
-  [SSURGO Data Model Diagram - Part 2 \(19K\)](#)  
This diagram shows the static metadata and Soil Data Viewer related tables in the SSURGO standard, and how those tables are related. Only primary and foreign key columns are included in this diagram. See the report titled "SSURGO Metadata - Table Columns" for a complete listing of all columns in each table. The information in this diagram is also available in non-graphical format in the report titled "SSURGO Metadata - Relationships".
-  [SSURGO Metadata - Tables \(73K\)](#)  
This report provides a narrative description of each table in the SSURGO standard.
-  [SSURGO Metadata - Table Columns \(184K\)](#)  
This report lists the columns of each table in the SSURGO standard. This is the source for column name, logical data type, field size, precision, minimum, maximum, units of measure and associated domain name, if any.

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# View Data Availability Map



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## Soil Data Availability Status Map

The soil data availability status map provides only one of several methods of determining which classes of digital soil data (spatial and tabular or tabular only) are available for an area of interest. For a relatively small area of interest, the graphic status map is not the best option for determining which classes of digital soil data are available. The following document discusses options for determining digital soil data availability for an area of interest, and also provides detailed information about the attributes available in the soil data availability status map GIS layer.

[Determining Soil Data Availability for an Area of Interest](#) 

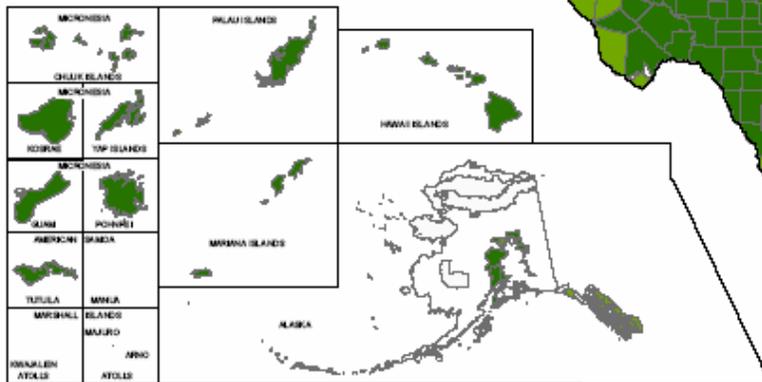
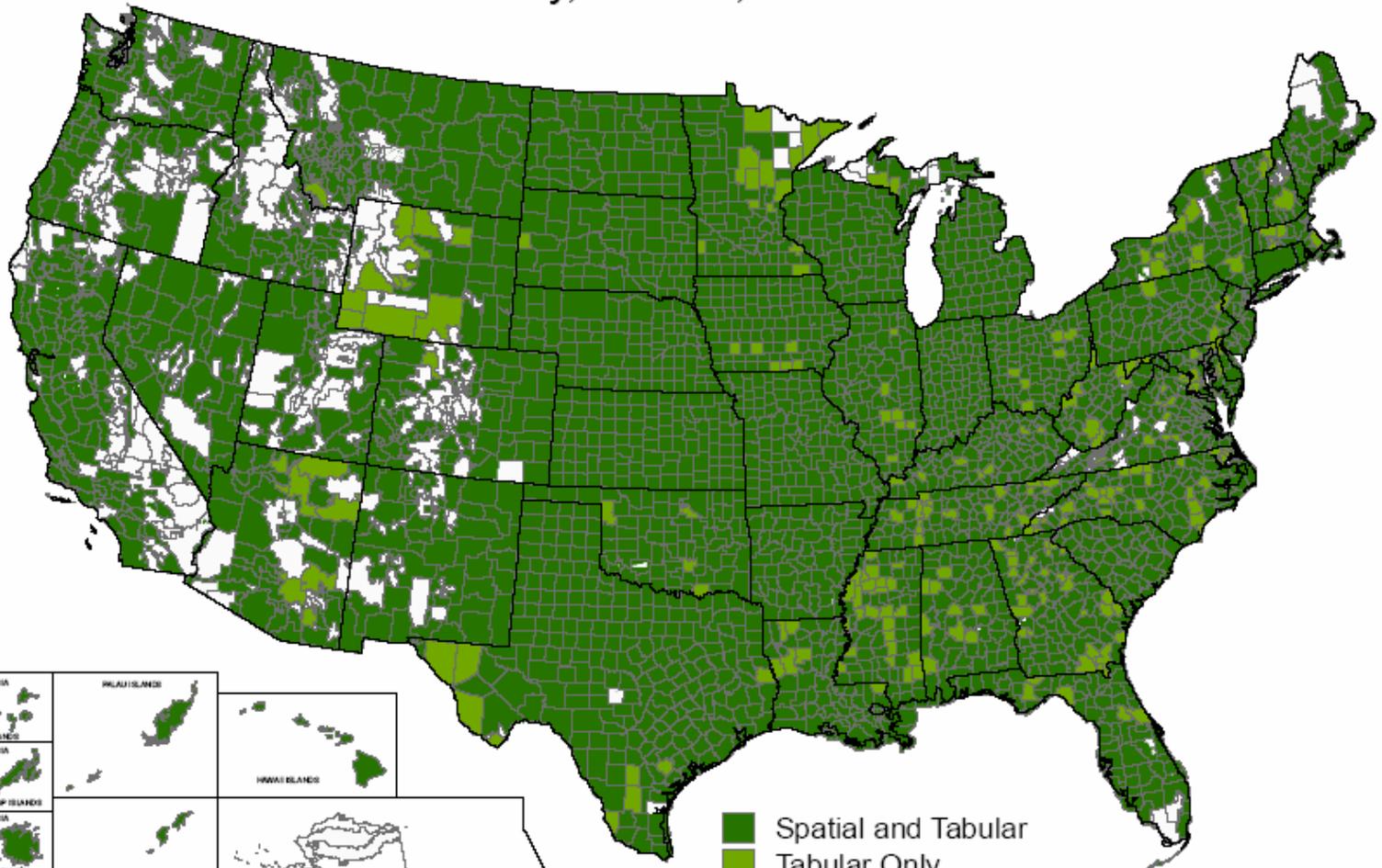
Display - PDF Format      Display - JPG Format      Download Shapefile

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# Available Soil Survey Data

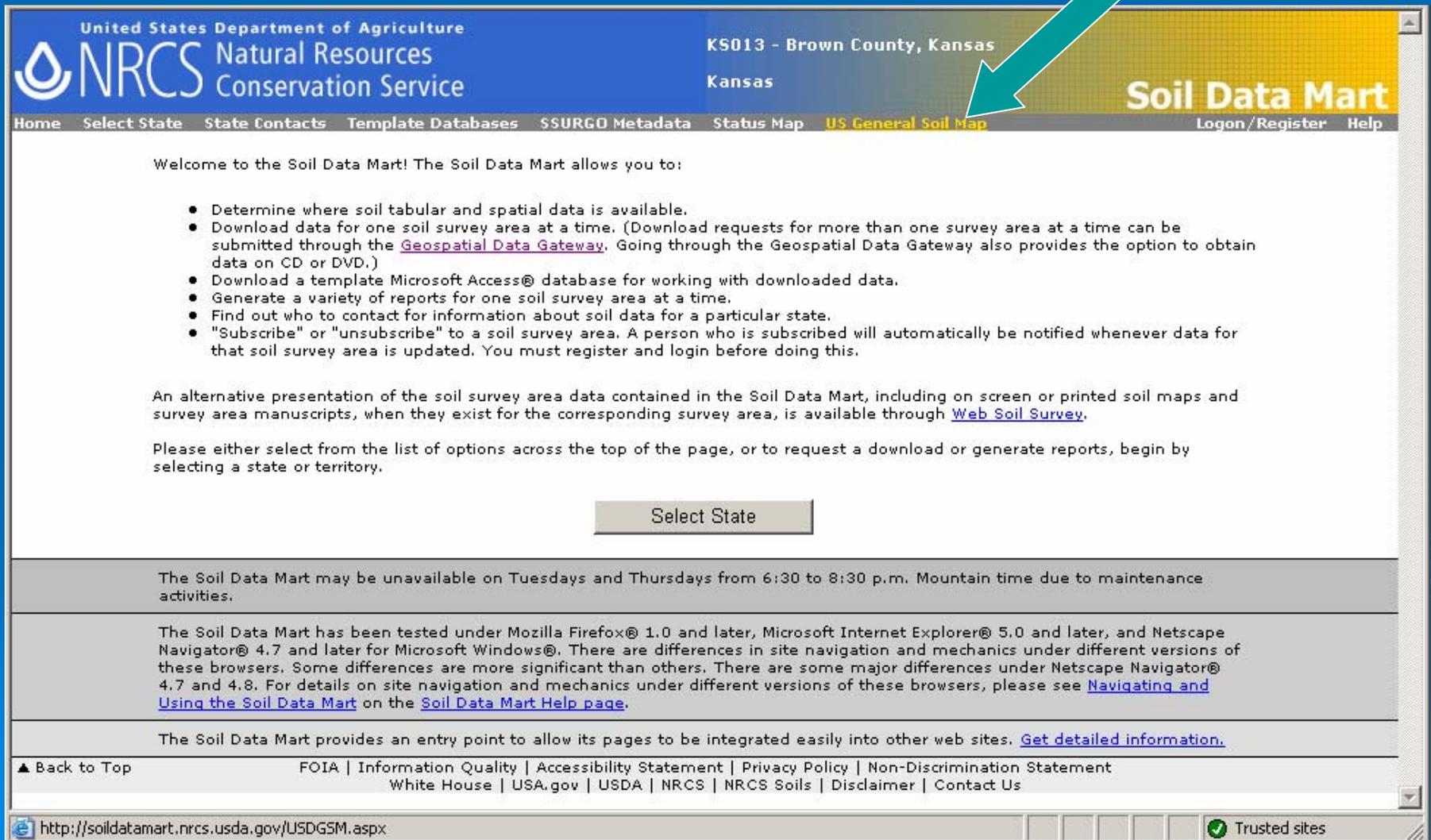
Thursday, March 29, 2007



 Spatial and Tabular  
 Tabular Only  
 No Data



# Download STATSGO Data



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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 whenever data for that soil survey area 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 or printed soil maps and survey area manuscripts, when they exist for the corresponding survey area, is available through [Web Soil Survey](#).

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

Select State

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.](#)

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# Select National Coverage

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## Order U.S. General Soil Map (STATSGO) Data ( Survey Area Version 2 )

Please select a spatial extent:  
US: entire GSM data set

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](mailto:SoilDataMart@nrcs.usda.gov) in order to receive e-mail notification once your request has been processed.

---

## SSURGO Soil Map Coverage versus the U.S. General Soil Map Coverage

- [The Data Itself](#)
- [The Soil Data Mart Website](#)
- [Working with Downloaded Data](#)

### The Dataset Itself

Subject	SSURGO Soil Map Coverage	U.S. General Soil Map Coverage
Number of Survey Areas in the Entire Map Coverage	A little over 3000.	One.
Can tabular data for a survey area exist with no corresponding spatial data?	Yes.	No.
Can spatial data for a survey ..	No.	No.

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# Or, Select a State Extent

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**Soil Data Mart**

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## Order U.S. General Soil Map (STATSGO) Data ( Survey Area Version 2 )

Please select a spatial extent:

- US: entire GSM data set
- US: entire GSM data set
- Alabama
- Alaska
- Arizona
- Arkansas
- California**
- Colorado
- Connecticut
- Delaware
- District of Columbia
- Florida

### SSURGO Soil Map Coverage versus the U.S. General Soil Map Coverage

- [The Data Itself](#)
- [The Soil Data Mart Website](#)
- [Working with Downloaded Data](#)

#### The Dataset Itself

Subject	SSURGO Soil Map Coverage	U.S. General Soil Map Coverage
Number of Survey Areas in the Entire Map Coverage	A little over 3000.	One.
Can tabular data for a survey area exist with no corresponding spatial data?	Yes.	No.
Can spatial data for a survey	No.	No.

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# Enter Email Address & Submit Request

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**Soil Data Mart**

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## Order U.S. General Soil Map (STATSGO) Data ( Survey Area Version 2 )

Please select a spatial extent:  
California

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@nrcc.usda.gov in order to receive e-mail notification once your request has been processed.**

---

## SSURGO Soil Map Coverage versus the U.S. General Soil Map Coverage

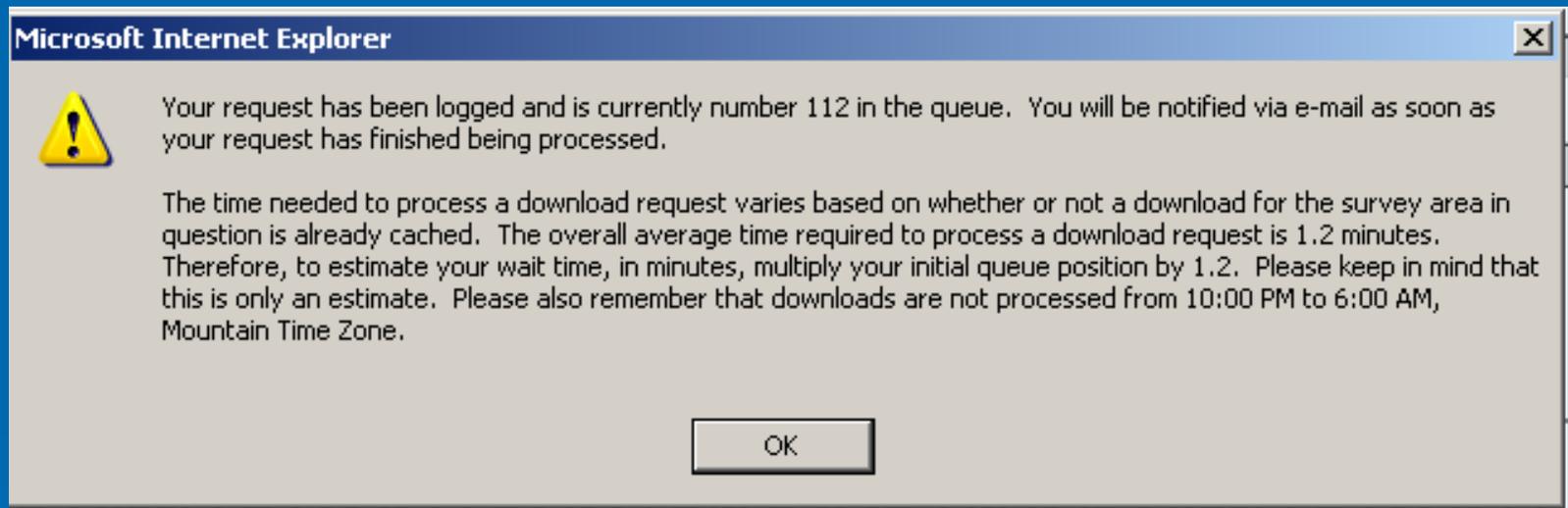
- [The Data Itself](#)
- [The Soil Data Mart Website](#)
- [Working with Downloaded Data](#)

### The Dataset Itself

Subject	SSURGO Soil Map Coverage	U.S. General Soil Map Coverage
Number of Survey Areas in the Entire Map Coverage	A little over 3000.	One.
Can tabular data for a survey area exist with no corresponding spatial data?	Yes.	No.
Can spatial data for a survey...	No.	No.

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# Order Confirmation, with estimated time of delivery



# Sample Email indicating where to pickup your data

From: SoilDataMart@nrcs.usda.gov  
To: Fortner, Jim - Lincoln, NE  
Cc:  
Subject: Soil Data Mart export notification

Sent: Thu 3/29/2007 3:52 PM

The export file requested for jim.fortner@lin.usda.gov is available at

[ftp://soildatamart-export.sc.egov.usda.gov/export/e\\_487320/gsmsoil\\_ca.zip](ftp://soildatamart-export.sc.egov.usda.gov/export/e_487320/gsmsoil_ca.zip)

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

Export Zip File Size: 20275 KB

This export contains the following U.S. General Soil Map data:

Spatial Extent: California  
SSA Symbol: US  
SSA Name: United States  
SSA Version: 2  
SSA Version Est.: 7/6/2006 8:49:17 AM  
Spatial Format: ArcView Shapefile  
Coordinate System: Geographic Coordinate System (NAD83)

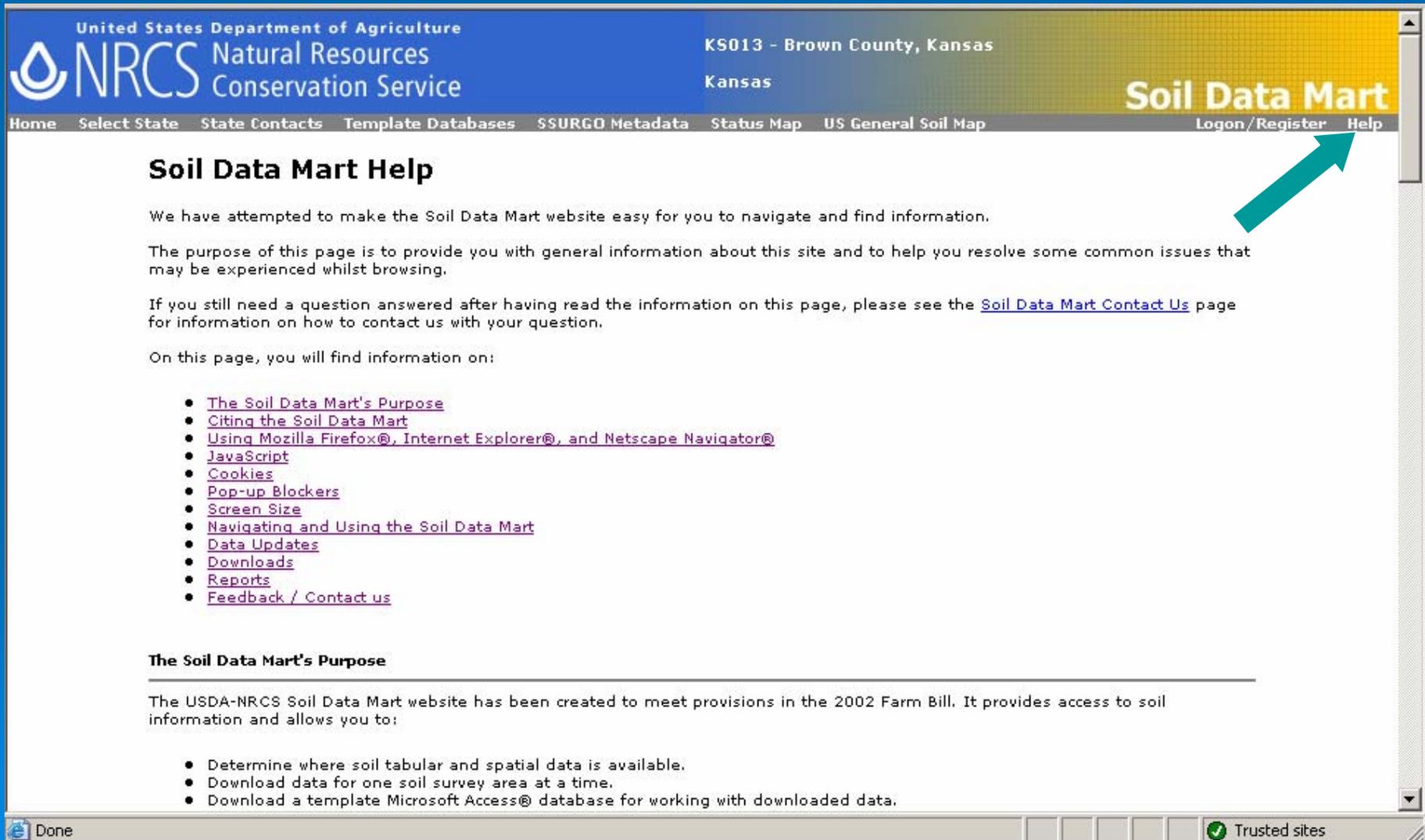
This export file will be removed from the FTP server 10 days after the date of this notice.

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  
Template DB State: US  
MS Access Version: Access 2002

# SDM Online Help



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## Soil Data Mart Help

We have attempted to make the Soil Data Mart website easy for you to navigate and find information.

The purpose of this page is to provide you with general information about this site and to help you resolve some common issues that may be experienced whilst browsing.

If you still need a question answered after having read the information on this page, please see the [Soil Data Mart Contact Us](#) page for information on how to contact us with your question.

On this page, you will find information on:

- [The Soil Data Mart's Purpose](#)
- [Citing the Soil Data Mart](#)
- [Using Mozilla Firefox®, Internet Explorer®, and Netscape Navigator®](#)
- [JavaScript](#)
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- [Downloads](#)
- [Reports](#)
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### The Soil Data Mart's Purpose

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The USDA-NRCS Soil Data Mart website has been created to meet provisions in the 2002 Farm Bill. It provides access to soil information and allows you to:

- Determine where soil tabular and spatial data is available.
- Download data for one soil survey area at a time.
- Download a template Microsoft Access® database for working with downloaded data.

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# For Additional Help

- Hotline staff at
  - [Hotline@lin.usda.gov](mailto:Hotline@lin.usda.gov)
- Or by phone at
  - 402-437-5378
  - 402-437-5379