Mississippi SSURGO Soils 2014

Shapefile

Tags

Cranfield SE Quadrangle, Natchez NW Quadrangle, Buck Island NE Quadrangle, Jeannette SW Quadrangle, Chamblee SW Quadrangle, Washington NE Quadrangle, Adams County, Natchez SW Quadrangle, Kingston SW Quadrangle, Washington NW Quadrangle, Doloroso NE Quadrangle, Fairview NE Quadrangle, Deer Park SW Quadrangle, Pine Ridge SW Quadrangle, Fairview SW Quadrangle, Lake Mary NE Quadrangle, Natchez SE Quadrangle, Pine Ridge NE Quadrangle, Cranfield NW Quadrangle, SSURGO, Doloroso NW Quadrangle, soil survey, Garden City NW Quadrangle, Lake Mary NW Quadrangle, Buck Island SW Quadrangle, Natchez NE Quadrangle, Sibley SW Quadrangle, Mississippi, Spokane NE Quadrangle, Ferriday South NE Quadrangle, Church Hill SW Quadrangle, Jeannette SE Quadrangle, Soil Survey Geographic, Cranfield SW Quadrangle, Fairview SE Quadrangle, Jeannette NE Quadrangle, soils, Deer Park NE Quadrangle, Sibley NW Quadrangle, Washington SW Quadrangle, Pine Ridge SE Quadrangle, Jeannette NW Quadrangle, Sibley NE Quadrangle, Kingston NE Quadrangle, Kingston SE Quadrangle, Buck Island NW Quadrangle, Deer Park SE Quadrangle, Sibley SE Quadrangle, Spokane SE Quadrangle, Washington SE Quadrangle, Kingston NW Quadrangle, Garden City NE Quadrangle, Lessley NW Quadrangle, Lower Sunk Lake NE Quadrangle, Spokane SW Quadrangle, Cranfield NE Quadrangle, Ferriday North SE Quadrangle, Ferriday South SE Quadrangle, Pine Ridge NW Quadrangle, Church Hill SE Quadrangle, Slocum SE Quadrangle

Summary

SSURGO depicts information about the kinds and distribution of soils on the landscape. The soil map and data used in the SSURGO product were prepared by soil scientists as part of the National Cooperative Soil Survey. *** NOTE: This STATEWIDE layer was developed by MARIS staff September 2015 by joining the 82 county SSURGO shapefiles from NRCS. Due to polygon limitations, merges had to be made in three parts - North, Central, and South. Each part was then dissolved on MUSYM to eliminate polygons with the same MUSYM across county lines. This cut the number of polygons from over 750,000 to 2259. Once verification of correct MUSYM values for each county was completed, the statewide layer was dissolved again on MUSYM to eliminate adjacent same values across N,C, and S sections. This resulted in 1,597 polygons. Please also note that there are over 500 unique MUSYM values with soil types being interpreted by various soil scientists for different counties over several years' time. Note there are numbered MUSYM values that may be the same as other values such as Br. *****

Description

This data set is a digital soil survey and generally is the most detailed level of soil geographic data developed by the National Cooperative Soil Survey. The information was prepared by digitizing maps, by compiling information onto a planimetric correct base and digitizing, or by revising digitized maps using remotely sensed and other information. This data set consists of georeferenced digital map data and computerized attribute data. The map data are in a soil survey area extent format and include a detailed, field verified inventory of soils and miscellaneous areas that normally occur in a repeatable pattern on the landscape and that can be cartographically shown at the scale mapped. A special soil features layer (point and line features) is optional. This layer displays the location of features too small to delineate at the

mapping scale, but they are large enough and contrasting enough to significantly influence use and management. The soil map units are linked to attributes in the National Soil Information System relational database, which gives the proportionate extent of the component soils and their properties.

Credits
NRCS, MARIS

Use limitations
The U.S. Department of Agriculture, Natural Resources Conservation Service, should be acknowledged as the data source in products derived from these data. This data set is not designed for use as a primary regulatory tool in permitting or citing decisions, but may be used as a reference source. This is public information and may be interpreted by organizations, agencies, units of government, or others based on needs; however, they are responsible for the appropriate application. Federal, State, or local regulatory bodies are not to reassign to the Natural Resources Conservation Service any authority for the decisions that they make. The Natural Resources Conservation Service will not perform any evaluations of these maps for purposes related solely to State or local regulatory programs. Photographic or digital enlargement of these maps to scales greater than at which they were originally mapped can cause misinterpretation of the data. If enlarged, maps do not show the small areas of contrasting soils that could have been shown at a larger scale. The depicted soil boundaries, interpretations, and analysis derived from them do not eliminate the need for onsite sampling, testing, and detailed study of specific sites for intensive uses. Thus, these data and their interpretations are intended for planning purposes only. Digital data files are periodically updated. Files are dated, and users are responsible for obtaining the latest version of the data.

Extent

West -91.737252 **East** -88.095674
North 35.005478 **South** 30.144383

Scale Range

Maximum (zoomed in) 1:12,000
Minimum (zoomed out) 1:15,840

ArcGIS Metadata ►

Topics and Keywords ►

THEMES OR CATEGORIES OF THE RESOURCE farming, environment, geoscientificInformation

* CONTENT TYPE Downloadable Data
EXPORT TO FGDC CSDGM XML FORMAT AS RESOURCE DESCRIPTION No

PLACE KEYWORDS Cranfield SE Quadrangle, Natchez NW Quadrangle, Buck Island NE Quadrangle, Jeannette SW Quadrangle, Chamblee SW Quadrangle, Washington NE Quadrangle, Adams County, Natchez SW Quadrangle, Kingston SW Quadrangle, Washington NW Quadrangle, Doloroso NE Quadrangle, Fairview NE Quadrangle, Deer Park SW Quadrangle, Pine Ridge SW Quadrangle, Fairview SW Quadrangle, Lake Mary NE Quadrangle, Natchez SE Quadrangle, Pine Ridge NE Quadrangle, Cranfield NW Quadrangle, Doloroso NW Quadrangle, Garden City NW Quadrangle, Lake Mary NW Quadrangle, Buck Island SW Quadrangle, Natchez NE Quadrangle, Sibley SW Quadrangle, Mississippi, Spokane NE Quadrangle, Ferriday South NE Quadrangle, Church Hill SW Quadrangle, Jeannette SE Quadrangle, Cranfield SW Quadrangle, Fairview SE Quadrangle, Jeannette NE Quadrangle,

Deer Park NE Quadrangle, Sibley NW Quadrangle, Washington SW Quadrangle, Pine Ridge SE Quadrangle, Jeannette NW Quadrangle, Sibley NE Quadrangle, Kingston NE Quadrangle, Kingston SE Quadrangle, Buck Island NW Quadrangle, Deer Park SE Quadrangle, Sibley SE Quadrangle, Spokane SE Quadrangle, Washington SE Quadrangle, Kingston NW Quadrangle, Garden City NE Quadrangle, Lessley NW Quadrangle, Lower Sunk Lake NE Quadrangle, Spokane SW Quadrangle, Cranfield NE Quadrangle, Ferriday North SE Quadrangle, Ferriday South SE Quadrangle, Pine Ridge NW Quadrangle, Church Hill SE Quadrangle, Slocum SE Quadrangle

THESAURUS ►
TITLE USGS Geographic Names Information System (GNIS)

TEMPORAL KEYWORDS 2014

THEME KEYWORDS SSURGO, soil survey, Soil Survey Geographic, soils

Citation ►

TITLE Mississippi SSURGO Soils 2014
PUBLICATION DATE 2013-12-20

PRESENTATION FORMATS * digital map

OTHER CITATION DETAILS
ms001

Citation Contacts ►

RESPONSIBLE PARTY
ORGANIZATION'S NAME U.S. Department of Agriculture, Natural Resources Conservation Service
CONTACT'S ROLE publisher

CONTACT INFORMATION ►
ADDRESS
DELIVERY POINT Fort Worth, Texas

RESPONSIBLE PARTY
ORGANIZATION'S NAME U.S. Department of Agriculture, Natural Resources Conservation Service
CONTACT'S ROLE originator

Resource Details ►

DATASET LANGUAGES English (UNITED STATES)

STATUS completed
SPATIAL REPRESENTATION TYPE vector

SUPPLEMENTAL INFORMATION
Digital versions of hydrography, cultural features, and other associated layers that are not part of the SSURGO data set may be available from the primary organization listed in the Point of Contact.

* PROCESSING ENVIRONMENT Microsoft Windows 7 Version 6.1 (Build 7601) Service Pack 1; Esri ArcGIS 10.2.1.3497

CREDITS
NRCS, MARIS

ARCGIS ITEM PROPERTIES
* NAME SSURGO_14
* SIZE 1436.091
* LOCATION file://\\SWALKER-PC\E$\DATA\soils\Statewide\Webdata\mstm\SSURGO_14.shp
* ACCESS PROTOCOL Local Area Network

Extents ►

EXTENT
DESCRIPTION
publication date

TEMPORAL EXTENT
BEGINNING DATE 2007-07-10
ENDING DATE 2013-12-20

EXTENT
GEOGRAPHIC EXTENT
BOUNDING RECTANGLE
WEST LONGITUDE -91.655
EAST LONGITUDE -91.154
SOUTH LATITUDE 31.19
NORTH LATITUDE 31.75

EXTENT
GEOGRAPHIC EXTENT
BOUNDING RECTANGLE
EXTENT TYPE Extent used for searching
* WEST LONGITUDE -91.737252
* EAST LONGITUDE -88.095674
* NORTH LATITUDE 35.005478
* SOUTH LATITUDE 30.144383
* EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM
* WEST LONGITUDE 318581.227426
* EAST LONGITUDE 651013.122013

* SOUTH LATITUDE 1040361.769151
* NORTH LATITUDE 1577856.351852
* EXTENT CONTAINS THE RESOURCE Yes

Resource Points of Contact ►

POINT OF CONTACT
ORGANIZATION'S NAME U.S. Department of Agriculture, Natural Resources Conservation Service
CONTACT'S POSITION State Soil Scientist
CONTACT'S ROLE point of contact

CONTACT INFORMATION ►
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DELIVERY POINT Suite 1321 Federal Building
CITY Jackson
ADMINISTRATIVE AREA MS
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Resource Maintenance ►

RESOURCE MAINTENANCE
UPDATE FREQUENCY as needed

Resource Constraints ►

LEGAL CONSTRAINTS
LIMITATIONS OF USE
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LIMITATIONS OF USE

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Spatial Reference ►

ARCGIS COORDINATE SYSTEM

* TYPE Projected
* GEOGRAPHIC COORDINATE REFERENCE GCS_North_American_1983
* PROJECTION NAD_1983_Mississippi_TM
* COORDINATE REFERENCE DETAILS

PROJECTED COORDINATE SYSTEM

WELL-KNOWN IDENTIFIER 102609
X ORIGIN -5122200
Y ORIGIN -12297100
XY SCALE 450339697.45066422
Z ORIGIN -100000
Z SCALE 10000
M ORIGIN -100000
M SCALE 10000
XY TOLERANCE 0.001
Z TOLERANCE 0.001
M TOLERANCE 0.001
HIGH PRECISION true
LATEST WELL-KNOWN IDENTIFIER 3814
WELL-KNOWN TEXT

PROJCS["NAD_1983_Mississippi_TM",GEOGCS["GCS_North_American_1983",DATUM["D_North_American_1983",SPHEROID["GRS_1980",6378137.0,298.257222101]],PRIMEM["Greenwich",0.0],UNIT["Degree",0.0174532925199433]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000.0],PARAMETER["False_Northing",1300000.0],PARAMETER["Central_Meridian",-89.75],PARAMETER["Scale_Factor",0.9998335],PARAMETER["Latitude_Of_Origin",32.5],UNIT["Meter",1.0],AUTHORITY["EPSG",3814]]

Reference system identifier
* Value 3814
* Codespace EPSG
* Version 8.2.6

Spatial Data Properties ►

Vector ►
* Level of topology for this dataset geometry only

Geometric objects
Feature class name SSURGO_14
* Object type composite
* Object count 1597

ArcGIS Feature Class Properties ►
Feature class name SSURGO_14
* Feature type Simple
* Geometry type Polygon
* Has topology FALSE
* Feature count 1597
* Spatial index TRUE
* Linear referencing FALSE

Data Quality ►

Scope of quality information ►
Resource level dataset

Data quality report - Topological consistency ►
Evaluation method
Certain node/geometry and topology GT-polygon/chain relationships are collected or generated to satisfy topological requirements (the GT-polygon corresponds to the soil delineation). Some of these requirements include: chains must begin and end at nodes, chains must connect to each other at nodes, chains do not extend through nodes, left and right GT-polygons are defined for each chain element and are consistent throughout, and the chains representing the limits of the file are free of gaps. The tests of logical consistency are performed using vendor software. All internal polygons are tested for closure with vendor software and are checked on hard copy plots. All data are checked for common soil lines (i.e., adjacent polygons with the same label). Edge locations generally do not deviate from centerline to centerline by more than 0.01 inch. The feature edges, feature labels and descriptive attributes in the Adams County, Mississippi Soil Survey do not match with the quadrangles in the

adjacent Tensas Parish, Louisiana Soil Survey, Concordia Parish, Louisiana Soil Survey, Jefferson County, Mississippi Soil Survey, and the Franklin County, Mississippi Soil Survey.

Data quality report - Conceptual consistency ►

Measure description

Certain node/geometry and topology GT-polygon/chain relationships are collected or generated to satisfy topological requirements (the GT-polygon corresponds to the soil delineation). Some of these requirements include: chains must begin and end at nodes, chains must connect to each other at nodes, chains do not extend through nodes, left and right GT-polygons are defined for each chain element and are consistent throughout, and the chains representing the limits of the file are free of gaps. The tests of logical consistency are performed using vendor software. All internal polygons are tested for closure with vendor software and are checked on hard copy plots. All data are checked for common soil lines (i.e., adjacent polygons with the same label). Edge locations generally do not deviate from centerline to centerline by more than 0.01 inch. The feature edges, feature labels and descriptive attributes in the Adams County, Mississippi Soil Survey do not match with the quadrangles in the adjacent Tensas Parish, Louisiana Soil Survey, Concordia Parish, Louisiana Soil Survey, Jefferson County, Mississippi Soil Survey, and the Franklin County, Mississippi Soil Survey.

Data quality report - Completeness omission ►

Measure description

A map unit is a collection of areas defined and named in terms of their soil components or miscellaneous areas or both. Each map unit differs in some respect from all others in a survey area and each map unit has a symbol that uniquely identifies the map unit on a soil map. Each individual area, point, or line so identified on the map is a delineation. Soil Scientists identify small areas of soils or miscellaneous areas that have properties and behavior significantly different than the named soils in the surrounding map unit. These minor components may be indicated as special features. If they have a minimal effect on use and management, or could not be precisely located, they may not be indicated on the map. A map unit has specified kinds of soils or miscellaneous areas (map unit components), each with a designated range in proportionate extent. Map units include one or more kinds of soil or miscellaneous area. Miscellaneous areas are areas that have little or no recognizable soil. Specific National Cooperative Soil Survey standards and procedures were used in the classification of soils, design and name of map units, and location of special soil features. These standards are outlined in Agricultural Handbook 18, Soil Survey Manual, 1993, USDA, NRCS; Agricultural Handbook 436, Soil Taxonomy, 1995, USDA, NRCS; and all Amendments; Keys to Soil Taxonomy, (current issue) USDA, NRCS; National Soil Survey Handbook, title 430-VI,(current issue) USDA, NRCS. The actual composition and interpretive purity of the map unit delineations were based on data collected by scientists during the course of preparing the soil maps. Adherence to National Cooperative Soil Survey standards and procedures is based on peer review, quality control, and quality assurance. Quality control is outlined in the memorandum of understanding for the soil survey area and in documents that reside with the Natural Resources Conservation Service state soil scientist. Four kinds of map units are used in soil surveys: consociations, complexes, associations, and undifferentiated groups. Consociations - Consociations are named for the dominant soil. In a consociation,

delineated areas use a single name from the dominant component in the map unit. Dissimilar components are minor in extent. The soil component in a consociation may be identified at any taxonomic level. Soil series is the lowest taxonomic level. A consociation that is named as a miscellaneous area is dominantly that kind of area and minor components do not significantly affect the use of the map unit. The total amount of dissimilar inclusions of other components in a map unit generally does not exceed about 15 percent if limiting and 25 percent if nonlimiting. A single component of a dissimilar limiting inclusion generally does not exceed 10 percent if very contrasting. Complexes and associations - Complexes and associations consist of two or more dissimilar components that occur in a regularly repeating pattern. The total amount of other dissimilar components is minor extent. The following arbitrary rule determines whether complex or association is used in the name. The major components of an association can be separated at the scale of mapping. In either case, because the major components are sufficiently different in morphology or behavior, the map unit cannot be called a consociation. In each delineation of a complex or an association, each major component is normally present though their proportions may vary appreciably from one delineation to another. The total amount of inclusions in a map unit that are dissimilar to any of the major components does not exceed 15 percent if limiting and 25 percent if nonlimiting. A single kind of dissimilar limiting inclusion usually does not exceed 10 percent. Undifferentiated groups - Undifferentiated groups consist of two or more components that are not consistently associated geographically and, therefore, do not always occur together in the same map delineation. These components are included in the same named map unit because their use and management are the same or very similar for common uses. Generally they are grouped together because some common feature, such as steepness, stoniness, or flooding, determines their use and management. If two or more additional map units would serve no useful purpose, they may be included in the same unit. Each delineation has at least one of the major components, and some may have all of them. The same principles regarding the proportion of minor components that apply to consociations also apply to undifferentiated groups. The same principles regarding proportion of inclusion apply to undifferentiated groups as to consociations. Minimum documentation consists of three complete soil profile descriptions that are collected for each soil added to the legend, one additional per 3,000 acres mapped; three 10 observation transects for each map unit, one additional 10 point transect per 3,000 acres. A defined standard or level of confidence in the interpretive purity of the map unit delineations is attained by adjusting the kind and intensity of field investigations. Field investigations and data collection are carried out in sufficient detail to name map units and to identify accurately and consistently areas of about 5 acres.

Data quality report - Quantitative attribute accuracy ►

Measure description

The attribute accuracy is tested by manual comparison of the source with hard copy plots and/or symbolized display of the map data on an interactive computer graphic system. Selected attributes that cannot be visually verified on plots or on screen are interactively queried and verified on screen. In addition, the attributes are tested against a master set of valid attributes. All attribute data conform to the attribute codes in the signed classification and correlation document and amendment(s).

DATA QUALITY REPORT - ABSOLUTE EXTERNAL POSITIONAL ACCURACY ►

DIMENSION horizontal

MEASURE DESCRIPTION

The accuracy of these digital data is based upon their compilation to base maps that meet National Map Accuracy Standards at a scale of 1 inch equals 1,000 feet. The difference in positional accuracy between the soil boundaries and special soil features locations in the field and their digitized map locations is unknown. The locational accuracy of soil delineations on the ground varies with the transition between map units. For example, on long gently sloping landscapes the transition occurs gradually over many feet. Where landscapes change abruptly from steep to level, the transition will be very narrow. Soil delineation boundaries and special soil features generally were digitized within 0.01 inch of their locations on the digitizing source. The digital map elements are edge matched between data sets. The data along each quadrangle edge are matched against the data for the adjacent quadrangle. Edge locations generally do not deviate from centerline to centerline by more than 0.01 inch.

Lineage ►

PROCESS STEP ►

WHEN THE PROCESS OCCURRED 2007-01-01

DESCRIPTION

The National Soil Information System database was developed by the Natural Resources Conservation Service soil scientists according to national standards.

SOURCE DATA ►

RELATIONSHIP TO THE PROCESS STEP used

SOURCE CITATION ►

ALTERNATE TITLES SCS1

PROCESS STEP ►

WHEN THE PROCESS OCCURRED 2007-01-01

DESCRIPTION

The Adams County, Mississippi Soil Survey was published in 1969 at 1:15840 scale. The classification and map unit names were finalized at the final correlation in 1966. An evaluation was made of the soil survey in 2006. It was determined that the soil map unit delineations were accurate. Five additional map units were added to the soil survey. These changes were made to reflect present day soil survey concepts, soil classification, and soil interpretations. Amendments to the correlation document reflecting these changes are on file at the NRCS Mississippi State Office. The additional map unit are as follows: DAM----Dams GP-----Gravel Pits LV-----Levee M-W----Miscellaneous Water ND-----No Data, airport

SOURCE DATA ▶
RELATIONSHIP TO THE PROCESS STEP used

SOURCE CITATION ▶
ALTERNATE TITLES SCS1

PROCESS STEP ▶
WHEN THE PROCESS OCCURRED 2007-01-01
DESCRIPTION

The atlas sheets were raster scanned on an Epson GT 30000 scanner at 600 dots per inch. The raster images were then rectified and georeferenced to DOQQ imagery using ArcGIS 8.3. 30 to 40 points per atlas raster image were selected for rectification to DOQQ imagery. Soil map unit delineations were manually recompiled from the rectified images to 4 mil. annotated stable-base overlays that were registered to USGS multiple 7.5 minute orthophotographs. Quality control was performed to ensure accurate capture of soil area features.

SOURCE DATA ▶
RELATIONSHIP TO THE PROCESS STEP used

SOURCE CITATION ▶
ALTERNATE TITLES NRCS1, NRCS2, NRCS3, NRCS4

PROCESS STEP ▶
WHEN THE PROCESS OCCURRED 2007-01-01
DESCRIPTION

During the map compilation quality review an evaluation was made of the map unit joins for surrounding soil surveys by a soil data quality specialist.

SOURCE DATA ▶
RELATIONSHIP TO THE PROCESS STEP used

SOURCE CITATION ▶
ALTERNATE TITLES SCS1, NRCS1, NRCS2, NRCS3, NRCS4

PROCESS STEP ▶

WHEN THE PROCESS OCCURRED 2007-01-01

DESCRIPTION

The soil area features DLGs were imported into ARC/INFO 7.2.1. The 7.5 minute quadrangles for each coverage were merged together into a soil survey area and additional editing was performed. The coverages were edge matched to existing SSURGO data.

SOURCE DATA ▶

RELATIONSHIP TO THE PROCESS STEP used

SOURCE CITATION ▶

ALTERNATE TITLES NRCS4

PROCESS STEP ▶

WHEN THE PROCESS OCCURRED 2007-01-01

DESCRIPTION

The annotated overlays were raster scanned on a SCANGRAPHICS CF 500 Scanner at a resolution of 300 dpi. The soil area features and special soil features were processed in LT4X Version 4.11. The soil processing consisted of raster editing, map neat line development, labeling, edge matching and vector conversion. The soil area features and special soil features were written to Digital Line Graph Optional format in LT4X. Digitizing and quality control were done by the geographic information system specialist and cartographic technicians at the Temple Texas Digitizing and Certification Center.

SOURCE DATA ▶

RELATIONSHIP TO THE PROCESS STEP used

SOURCE CITATION ▶

ALTERNATE TITLES SCS1, NRCS4

PROCESS STEP ▶

WHEN THE PROCESS OCCURRED 2007-01-01

DESCRIPTION

The soil survey area coverages and special soil feature coverages were processed with the December 2003 Certification AMLs provided by the National Cartography and Geospatial Center, Fort Worth, Texas. The certified spatial data were then electronically transferred to the NRCS staging server for archival in the Soil Data Warehouse.

SOURCE DATA ▶
RELATIONSHIP TO THE PROCESS STEP used

SOURCE CITATION ▶
ALTERNATE TITLES NRCS4

PROCESS STEP ▶
WHEN THE PROCESS OCCURRED 2007-07-06
DESCRIPTION

The Natural Resources Conservation Service State Soil Scientist or delegate, upon completion of data quality verification, determined that the tabular data should be released for official use. A selected set of map units and components in the soil survey legend was copied to a staging database, and rating values for selected interpretations were generated. The list of selected interpretations is stored in the database table named sainterp.

SOURCE DATA ▶
RELATIONSHIP TO THE PROCESS STEP used

SOURCE CITATION ▶
ALTERNATE TITLES NASIS

PROCESS STEP ▶
WHEN THE PROCESS OCCURRED 2007-07-11
DESCRIPTION

The Natural Resources Conservation Service State Soil Scientist or delegate verified that the labels on the digitized soil map units link to map units in the tabular database, and certified the joined data sets for release to the Soil Data Warehouse. A system assigned version number and date stamp were added and the data were copied to the data warehouse. The tabular data for the map units and components were extracted from the data warehouse and reformatted into the soil data delivery data model, then stored in the Soil Data Mart. The spatial data were copied to the Soil Data Mart without change.

SOURCE DATA ▶
RELATIONSHIP TO THE PROCESS STEP used

SOURCE CITATION ▶
ALTERNATE TITLES NASIS

PROCESS STEP ▶

WHEN THE PROCESS OCCURRED 2008-01-24

DESCRIPTION

The Natural Resources Conservation Service State Soil Scientist or delegate verified that the labels on the digitized soil map units link to map units in the tabular database, and certified the joined data sets for release to the Soil Data Warehouse. A system assigned version number and date stamp were added and the data were copied to the data warehouse. The tabular data for the map units and components were extracted from the data warehouse and reformatted into the soil data delivery data model, then stored in the Soil Data Mart. The spatial data were copied to the Soil Data Mart without change.

SOURCE DATA ▶

RELATIONSHIP TO THE PROCESS STEP used

SOURCE CITATION ▶

ALTERNATE TITLES NASIS

PROCESS STEP ▶

WHEN THE PROCESS OCCURRED 2008-01-24

DESCRIPTION

The Natural Resources Conservation Service State Soil Scientist or delegate, upon completion of data quality verification, determined that the tabular data should be released for official use. A selected set of map units and components in the soil survey legend was copied to a staging database, and rating values for selected interpretations were generated. The list of selected interpretations is stored in the database table named sainterp.

SOURCE DATA ▶

RELATIONSHIP TO THE PROCESS STEP used

SOURCE CITATION ▶

ALTERNATE TITLES NASIS

PROCESS STEP ▶

WHEN THE PROCESS OCCURRED 2010-04-28

DESCRIPTION

The Natural Resources Conservation Service State Soil Scientist or delegate, upon completion of data quality verification, determined that the tabular data should be released for official use. A selected set of map units and components in the soil survey

legend was copied to a staging database, and rating values for selected interpretations were generated. The list of selected interpretations is stored in the database table named sainterp.

SOURCE DATA ▶
RELATIONSHIP TO THE PROCESS STEP used

SOURCE CITATION ▶
ALTERNATE TITLES NASIS

PROCESS STEP ▶
WHEN THE PROCESS OCCURRED 2010-04-28
DESCRIPTION

The Natural Resources Conservation Service State Soil Scientist or delegate verified that the labels on the digitized soil map units link to map units in the tabular database, and certified the joined data sets for release to the Soil Data Warehouse. A system assigned version number and date stamp were added and the data were copied to the data warehouse. The tabular data for the map units and components were extracted from the data warehouse and reformatted into the soil data delivery data model, then stored in the Soil Data Mart. The spatial data were copied to the Soil Data Mart without change.

SOURCE DATA ▶
RELATIONSHIP TO THE PROCESS STEP used

SOURCE CITATION ▶
ALTERNATE TITLES NASIS

PROCESS STEP ▶
WHEN THE PROCESS OCCURRED 2010-05-07
DESCRIPTION

The Natural Resources Conservation Service State Soil Scientist or delegate, upon completion of data quality verification, determined that the tabular data should be released for official use. A selected set of map units and components in the soil survey legend was copied to a staging database, and rating values for selected interpretations were generated. The list of selected interpretations is stored in the database table named sainterp.

SOURCE DATA ▶
RELATIONSHIP TO THE PROCESS STEP used

SOURCE CITATION ▶
ALTERNATE TITLES NASIS

PROCESS STEP ▶
WHEN THE PROCESS OCCURRED 2010-05-07
DESCRIPTION

The Natural Resources Conservation Service State Soil Scientist or delegate verified that the labels on the digitized soil map units link to map units in the tabular database, and certified the joined data sets for release to the Soil Data Warehouse. A system assigned version number and date stamp were added and the data were copied to the data warehouse. The tabular data for the map units and components were extracted from the data warehouse and reformatted into the soil data delivery data model, then stored in the Soil Data Mart. The spatial data were copied to the Soil Data Mart without change.

SOURCE DATA ▶
RELATIONSHIP TO THE PROCESS STEP used

SOURCE CITATION ▶
ALTERNATE TITLES NASIS

PROCESS STEP ▶
WHEN THE PROCESS OCCURRED 2010-07-08
DESCRIPTION

The Natural Resources Conservation Service State Soil Scientist or delegate verified that the labels on the digitized soil map units link to map units in the tabular database, and certified the joined data sets for release to the Soil Data Warehouse. A system assigned version number and date stamp were added and the data were copied to the data warehouse. The tabular data for the map units and components were extracted from the data warehouse and reformatted into the soil data delivery data model, then stored in the Soil Data Mart. The spatial data were copied to the Soil Data Mart without change.

SOURCE DATA ▶
RELATIONSHIP TO THE PROCESS STEP used

SOURCE CITATION ▶
ALTERNATE TITLES NASIS

PROCESS STEP ▶

WHEN THE PROCESS OCCURRED 2010-07-08

DESCRIPTION

The Natural Resources Conservation Service State Soil Scientist or delegate, upon completion of data quality verification, determined that the tabular data should be released for official use. A selected set of map units and components in the soil survey legend was copied to a staging database, and rating values for selected interpretations were generated. The list of selected interpretations is stored in the database table named sainterp.

SOURCE DATA ▶

RELATIONSHIP TO THE PROCESS STEP used

SOURCE CITATION ▶

ALTERNATE TITLES NASIS

PROCESS STEP ▶

WHEN THE PROCESS OCCURRED 2013-01-01

DESCRIPTION

The spatial data for Adams County, Mississippi soil survey area was downloaded from the Soil Data Mart on October 15, 2012. The individual shapefiles were appended into a geodatabase for region 7. The data were processed in ARCGIS 10.1 using a topology object with a 0.1 meter cluster tolerance for the purpose of eliminating gaps and overlaps within the region 7 soils geodatabase. Individual soil survey area data were exported as shapefiles from the regional geodatabase. A datum transformation from NAD83 to WGS84 using the NAD_1983_To_WGS_1984_1 datum transformation method was applied to the data. The data were checked with the SSURGO Evaluation scripts provided by U.S. Department of Agriculture, Natural Resources Conservation Service. The shapefiles were then uploaded to the soil data warehouse for archival and distribution.

SOURCE DATA ▶

RELATIONSHIP TO THE PROCESS STEP used

SOURCE CITATION ▶

ALTERNATE TITLES NRCS5

PROCESS STEP ▶

WHEN THE PROCESS OCCURRED 2013-12-20

DESCRIPTION

The Natural Resources Conservation Service State Soil Scientist or delegate, upon completion of data quality verification, determined that the tabular data should be

released for official use. A selected set of map units and components in the soil survey legend was copied to a staging database, and rating values for selected interpretations were generated. The list of selected interpretations is stored in the database table named sainterp.

SOURCE DATA ▶
RELATIONSHIP TO THE PROCESS STEP used

SOURCE CITATION ▶
ALTERNATE TITLES NASIS

PROCESS STEP ▶
WHEN THE PROCESS OCCURRED 2013-12-20
DESCRIPTION

The Natural Resources Conservation Service State Soil Scientist or delegate verified that the labels on the digitized soil map units link to map units in the tabular database, and certified the joined data sets for release to the Soil Data Warehouse. A system assigned version number and date stamp were added and the data were copied to the data warehouse. The tabular data for the map units and components were extracted from the data warehouse and reformatted into the soil data delivery data model, then stored in the Soil Data Mart. The spatial data were copied to the Soil Data Mart without change.

SOURCE DATA ▶
RELATIONSHIP TO THE PROCESS STEP used

SOURCE CITATION ▶
ALTERNATE TITLES NASIS

PROCESS STEP ▶
WHEN THE PROCESS OCCURRED 2014-09-24
DESCRIPTION

The Natural Resources Conservation Service State Soil Scientist or delegate verified that the labels on the digitized soil map units link to map units in the tabular database, and certified the joined data sets for release to the Soil Data Warehouse. A system assigned version number and date stamp were added and the data were copied to the data warehouse. The tabular data for the map units and components were extracted from the data warehouse and reformatted into the soil data delivery data model, then stored in the Soil Data Mart. The spatial data were copied to the Soil Data Mart without change.

SOURCE DATA ▶
RELATIONSHIP TO THE PROCESS STEP used

SOURCE CITATION ▶
ALTERNATE TITLES NASIS

PROCESS STEP ▶
WHEN THE PROCESS OCCURRED 2014-09-24
DESCRIPTION

The Natural Resources Conservation Service State Soil Scientist or delegate verified that the labels on the digitized soil map units link to map units in the tabular database, and certified the joined data sets for release to the Soil Data Warehouse. A system assigned version number and date stamp were added and the data were copied to the data warehouse. The tabular data for the map units and components were extracted from the data warehouse and reformatted into the soil data delivery data model, then stored in the Soil Data Mart. The spatial data were copied to the Soil Data Mart without change.

SOURCE DATA ▶
RELATIONSHIP TO THE PROCESS STEP used

SOURCE CITATION ▶
ALTERNATE TITLES NASIS

PROCESS STEP ▶
WHEN THE PROCESS OCCURRED 2014-09-24
DESCRIPTION

The Natural Resources Conservation Service State Soil Scientist or delegate, upon completion of data quality verification, determined that the tabular data should be released for official use. A selected set of map units and components in the soil survey legend was copied to a staging database, and rating values for selected interpretations were generated. The list of selected interpretations is stored in the database table named sainterp.

SOURCE DATA ▶
RELATIONSHIP TO THE PROCESS STEP used

SOURCE CITATION ▶
ALTERNATE TITLES NASIS

PROCESS STEP ▶
WHEN THE PROCESS OCCURRED 2014-09-24
DESCRIPTION

The Natural Resources Conservation Service State Soil Scientist or delegate verified that the labels on the digitized soil map units link to map units in the tabular database, and certified the joined data sets for release to the Soil Data Warehouse. A system assigned version number and date stamp were added and the data were copied to the data warehouse. The tabular data for the map units and components were extracted from the data warehouse and reformatted into the soil data delivery data model, then stored in the Soil Data Mart. The spatial data were copied to the Soil Data Mart without change.

SOURCE DATA ▶
RELATIONSHIP TO THE PROCESS STEP used

SOURCE CITATION ▶
ALTERNATE TITLES NASIS

PROCESS STEP ▶
WHEN THE PROCESS OCCURRED 2014-09-24
DESCRIPTION

The Natural Resources Conservation Service State Soil Scientist or delegate, upon completion of data quality verification, determined that the tabular data should be released for official use. A selected set of map units and components in the soil survey legend was copied to a staging database, and rating values for selected interpretations were generated. The list of selected interpretations is stored in the database table named sainterp.

SOURCE DATA ▶
RELATIONSHIP TO THE PROCESS STEP used

SOURCE CITATION ▶
ALTERNATE TITLES NASIS

PROCESS STEP ▶

WHEN THE PROCESS OCCURRED 2014-09-24 00:00:00

DESCRIPTION

The Natural Resources Conservation Service State Soil Scientist or delegate, upon completion of data quality verification, determined that the tabular data should be released for official use. A selected set of map units and components in the soil survey legend was copied to a staging database, and rating values for selected interpretations were generated. The list of selected interpretations is stored in the database table named sainterp.

SOURCE DATA ▶

RELATIONSHIP TO THE PROCESS STEP used

SOURCE CITATION ▶

ALTERNATE TITLES NASIS

PROCESS STEP ▶

WHEN THE PROCESS OCCURRED 2015-09-23 00:00:00

DESCRIPTION

This STATEWIDE layer was developed by MARIS staff September 2015 by joining the 82 county SSURGO shapefiles from NRCS. Due to polygon limitations, merges had to be made in three parts - North, Central, and South. Each part was then dissolved on MUSYM to eliminate polygons with the same MUSYM across county lines. This cut the number of polygons from over 750,000 to 2259. Once verification of correct MUSYM values for each county was completed, the statewide layer was dissolved again on MUSYM to eliminate adjacent same values across N,C, and S sections. This resulted in 1,597 polygons. Please also note that there are over 500 unique MUSYM values with soil types being interpreted by various soil scientists for different counties over several years' time. Note there are numbered MUSYM values that may be the same as other values such as Br. *****

RATIONALE

This was done to allow statewide viewing of the SSURGO data.

SOURCE DATA ▶

DESCRIPTION

attribute (tabular) information

SOURCE CITATION ▶

TITLE National Soil Information System (NASIS) data base

ALTERNATE TITLES NASIS
PUBLICATION DATE 2007-01-01

PRESENTATION FORMATS digital document
FGDC GEOSPATIAL PRESENTATION FORMAT tabular digital data

RESPONSIBLE PARTY
ORGANIZATION'S NAME U.S. Department of Agriculture, Natural Resources Conservation Service
CONTACT'S ROLE publisher

CONTACT INFORMATION ▶
ADDRESS
DELIVERY POINT Fort Collins, Colorado

RESPONSIBLE PARTY
ORGANIZATION'S NAME U.S. Department of Agriculture, Natural Resources Conservation Service
CONTACT'S ROLE originator

EXTENT OF THE SOURCE DATA
DESCRIPTION
publication date

TEMPORAL EXTENT
BEGINNING DATE 2007-01-01
ENDING DATE 2007-01-01

SOURCE DATA ▶
DESCRIPTION
source material for scanning

SOURCE MEDIUM NAME hardcopy—diazo on paper
RESOLUTION OF THE SOURCE DATA
SCALE DENOMINATOR 12000

SOURCE CITATION ▶
TITLE annotated stable-base overlays
ALTERNATE TITLES NRCS4
PUBLICATION DATE
INDETERMINATE DATE inapplicable

PRESENTATION FORMATS hardcopy map
FGDC GEOSPATIAL PRESENTATION FORMAT map

RESPONSIBLE PARTY
ORGANIZATION'S NAME U.S. Department of Agriculture, Natural Resources Conservation Service
CONTACT'S ROLE originator

EXTENT OF THE SOURCE DATA
DESCRIPTION
2007

TEMPORAL EXTENT
DATE AND TIME 2007-01-01

SOURCE DATA ▶
DESCRIPTION
source of digital soil line delineations, map unit labels and special features

RESOLUTION OF THE SOURCE DATA
SCALE DENOMINATOR 12000

SOURCE CITATION ▶
TITLE Adams County, Mississippi digital soil survey area
ALTERNATE TITLES NRCS3
PUBLICATION DATE
INDETERMINATE DATE inapplicable

PRESENTATION FORMATS hardcopy map
FGDC GEOSPATIAL PRESENTATION FORMAT map

RESPONSIBLE PARTY
ORGANIZATION'S NAME U.S. Department of Agriculture, Natural Resources Conservation Service
CONTACT'S ROLE originator

EXTENT OF THE SOURCE DATA
DESCRIPTION
2007

TEMPORAL EXTENT
DATE AND TIME 2007-01-01

SOURCE DATA ▶
DESCRIPTION
compilation base

SOURCE MEDIUM NAME CD-ROM
RESOLUTION OF THE SOURCE DATA
SCALE DENOMINATOR 12000

SOURCE CITATION ►
TITLE multiple digital orthophotographic quarter quadrangles (DOQQ)
ALTERNATE TITLES NRCS2
PUBLICATION DATE 1996-01-01

FGDC GEOSPATIAL PRESENTATION FORMAT remote sensing image

RESPONSIBLE PARTY
ORGANIZATION'S NAME U.S. Department of Agriculture, Natural Resources Conservation Service, National Cartography and Geospatial Center
CONTACT'S ROLE publisher

CONTACT INFORMATION ►
ADDRESS
DELIVERY POINT Fort Worth, Texas

RESPONSIBLE PARTY
ORGANIZATION'S NAME U.S. Geological Survey
CONTACT'S ROLE originator

EXTENT OF THE SOURCE DATA
DESCRIPTION
2007

TEMPORAL EXTENT
DATE AND TIME 2007-01-01

SOURCE DATA ►
DESCRIPTION
source of digital soil line delineations, map unit labels and special features

RESOLUTION OF THE SOURCE DATA
SCALE DENOMINATOR 12000

SOURCE CITATION ►
TITLE electronic map compilation (TIFF) raster images
ALTERNATE TITLES NRCS1

PUBLICATION DATE
INDETERMINATE DATE inapplicable

PRESENTATION FORMATS hardcopy map
FGDC GEOSPATIAL PRESENTATION FORMAT map

RESPONSIBLE PARTY
ORGANIZATION'S NAME U.S. Department of Agriculture, Natural Resources Conservation Service
CONTACT'S ROLE originator

EXTENT OF THE SOURCE DATA
DESCRIPTION
2007

TEMPORAL EXTENT
DATE AND TIME 2007-01-01

SOURCE DATA ►
DESCRIPTION
source of soil map unit delineations and soil symbols

SOURCE MEDIUM NAME hardcopy—printing on paper
RESOLUTION OF THE SOURCE DATA
SCALE DENOMINATOR 15840

SOURCE CITATION ►
TITLE Soil Survey of Adams County, Mississippi
ALTERNATE TITLES SCS1
PUBLICATION DATE 1969-01-01

PRESENTATION FORMATS hardcopy map
FGDC GEOSPATIAL PRESENTATION FORMAT atlas

RESPONSIBLE PARTY
ORGANIZATION'S NAME U.S. Government Printing Office
CONTACT'S ROLE publisher

CONTACT INFORMATION ►
ADDRESS
DELIVERY POINT Washington, D.C.

RESPONSIBLE PARTY
ORGANIZATION'S NAME U.S. Department of Agriculture, Soil Conservation Service
CONTACT'S ROLE originator

EXTENT OF THE SOURCE DATA
DESCRIPTION
publication date

TEMPORAL EXTENT
DATE AND TIME 2007-01-01

SOURCE DATA ▶
DESCRIPTION
Source of digital revision

SOURCE CITATION ▶
TITLE region 7 soils geodatabase
ALTERNATE TITLES NRCS5
PUBLICATION DATE
INDETERMINATE DATE inapplicable

FGDC GEOSPATIAL PRESENTATION FORMAT file geodatabase

RESPONSIBLE PARTY
ORGANIZATION'S NAME U.S. Department of Agriculture, Natural Resources Conservation Service
CONTACT'S ROLE originator

EXTENT OF THE SOURCE DATA
DESCRIPTION
SSURGO publication date

TEMPORAL EXTENT
BEGINNING DATE 2006-01-01
ENDING DATE 2012-01-01

Distribution ▶

DISTRIBUTOR ▶
CONTACT INFORMATION
ORGANIZATION'S NAME U.S. Department of Agriculture, Natural Resources Conservation Service, National Geospatial Center of Excellence
CONTACT'S ROLE distributor

CONTACT INFORMATION ▶

PHONE
VOICE 800 672 5559
TDD/TTY 202 720 2600
FAX 817 509 3469

ADDRESS
TYPE both
DELIVERY POINT 501 West Felix Street, Building 23
CITY Fort Worth
ADMINISTRATIVE AREA Texas
POSTAL CODE 76115

AVAILABLE FORMAT
NAME ESRI shapefile
FORMAT INFORMATION CONTENT spatial
VERSION 10.2

ORDERING PROCESS
TERMS AND FEES There is currently no direct charge for requesting data or for retrieval via FTP.
TURNAROUND TIME
Typically within four hours

INSTRUCTIONS
Visit the above mentioned Internet Web Site, select state or territory, then select individual soil survey area of interest. Spatial line data and locations of special feature symbols are in ESRI ArcGIS shapefile, format. The National Soil Information System attribute soil data are available in variable length, pipe delimited, ASCII file format.

TRANSFER OPTIONS
TRANSFER SIZE 17.5

ONLINE SOURCE
LOCATION URL:http://DataGateway.nrcs.usda.gov/
DESCRIPTION Select desired survey area at above Internet Web site. An email address is required for receipt of instructions on retrieval via anonymous FTP. Anticipate a delay between submission of request at Web site and receipt of email message.

TRANSFER OPTIONS
ONLINE SOURCE
LOCATION http://www.maris.state.ms.us
DESCRIPTION Adams County, Mississippi SSURGO

DISTRIBUTOR ►
CONTACT INFORMATION
INDIVIDUAL'S NAME Steve Walker
ORGANIZATION'S NAME MARIS
CONTACT'S POSITION GIS Operations Manager

CONTACT'S ROLE distributor

CONTACT INFORMATION ►

PHONE

VOICE 601 432-6149

ADDRESS

TYPE physical

DELIVERY POINT 3825 Ridgewood Road, Suite 717

CITY Jackson

ADMINISTRATIVE AREA Mississippi

POSTAL CODE 39211

COUNTRY US

E-MAIL ADDRESS swalker@mississippi.edu

HOURS OF SERVICE

M-F 7 - 3 CDT

CONTACT INSTRUCTIONS

Downloadable from Download Data/Statewide/Physiography

DISTRIBUTION FORMAT

* NAME Shapefile

VERSION 10.2

TRANSFER OPTIONS

* TRANSFER SIZE 1436.091

ONLINE SOURCE

LOCATION http://websoilsurvey.nrcs.usda.gov

TRANSFER OPTIONS

ONLINE SOURCE

LOCATION http://www.maris.state.ms.us

Fields ►

DETAILS FOR OBJECT SSURGO_14 ►

* TYPE Feature Class

* ROW COUNT 1597

DEFINITION

Special Soil Features represent soil, miscellaneous area, or landform features that are too small to be digitized as soil delineations (area features).

DEFINITION SOURCE

Agricultural Handbook 18, Soil Survey Manual, 1993, USDA, SCS.

FIELD FID ►
* ALIAS FID
* DATA TYPE OID
* WIDTH 4
* PRECISION 0
* SCALE 0
* FIELD DESCRIPTION
Internal feature number.

* DESCRIPTION SOURCE
Esri

* DESCRIPTION OF VALUES
Sequential unique whole numbers that are automatically generated.

FIELD Shape ►
* ALIAS Shape
* DATA TYPE Geometry
* WIDTH 0
* PRECISION 0
* SCALE 0
* FIELD DESCRIPTION
Feature geometry.

* DESCRIPTION SOURCE
Esri

* DESCRIPTION OF VALUES
Coordinates defining the features.

FIELD AREASYMBOL ►
* ALIAS AREASYMBOL
* DATA TYPE String
* WIDTH 20
* PRECISION 0
* SCALE 0

FIELD FID_1 ►
* ALIAS FID_1
* DATA TYPE Integer
* WIDTH 9
* PRECISION 9
* SCALE 0

Field SPATIALVER ►
* Alias SPATIALVER
* Data type Double
* Width 10
* Precision 10
* Scale 0

Field FID_12 ►
* Alias FID_12
* Data type Integer
* Width 9
* Precision 9
* Scale 0

Field MUSYM ►
* Alias MUSYM
* Data type String
* Width 6
* Precision 0
* Scale 0

Field MUKEY ►
* Alias MUKEY
* Data type String
* Width 30
* Precision 0
* Scale 0

Field MUSYM_12 ►
* Alias MUSYM_12
* Data type String
* Width 6
* Precision 0
* Scale 0

Field musym_1 ►
* Alias MUSYM_1
* Data type String
* Width 6
* Precision 0
* Scale 0

FIELD musym_1_13 ►
* ALIAS musym_1_13
* DATA TYPE String
* WIDTH 6
* PRECISION 0
* SCALE 0

FIELD muname ►
* ALIAS muname
* DATA TYPE String
* WIDTH 175
* PRECISION 0
* SCALE 0

FIELD mustatus ►
* ALIAS mustatus
* DATA TYPE String
* WIDTH 254
* PRECISION 0
* SCALE 0

FIELD slopegradd ►
* ALIAS slopegradd
* DATA TYPE Single
* WIDTH 13
* PRECISION 0
* SCALE 0

FIELD slopegradw ►
* ALIAS slopegradw
* DATA TYPE Single
* WIDTH 13
* PRECISION 0
* SCALE 0

FIELD brockdepmi ►
* ALIAS brockdepmi
* DATA TYPE SmallInteger
* WIDTH 4
* PRECISION 4
* SCALE 0

FIELD wtdepannmi ►
* ALIAS wtdepannmi
* DATA TYPE SmallInteger
* WIDTH 4
* PRECISION 4
* SCALE 0

FIELD wtdepaprju ►
* ALIAS wtdepaprju
* DATA TYPE SmallInteger
* WIDTH 4
* PRECISION 4
* SCALE 0

FIELD flodfreqdc ►
* ALIAS flodfreqdc
* DATA TYPE String
* WIDTH 254
* PRECISION 0
* SCALE 0

FIELD flodfreqma ►
* ALIAS flodfreqma
* DATA TYPE String
* WIDTH 254
* PRECISION 0
* SCALE 0

FIELD pondfreqpr ►
* ALIAS pondfreqpr
* DATA TYPE String
* WIDTH 254
* PRECISION 0
* SCALE 0

FIELD aws025wta ►
* ALIAS aws025wta
* DATA TYPE Single
* WIDTH 13
* PRECISION 0
* SCALE 0

FIELD aws050wta ►
* ALIAS aws050wta
* DATA TYPE Single
* WIDTH 13
* PRECISION 0
* SCALE 0

FIELD aws0100wta ►
* ALIAS aws0100wta
* DATA TYPE Single
* WIDTH 13
* PRECISION 0
* SCALE 0

FIELD aws0150wta ►
* ALIAS aws0150wta
* DATA TYPE Single
* WIDTH 13
* PRECISION 0
* SCALE 0

FIELD drclassdcd ►
* ALIAS drclassdcd
* DATA TYPE String
* WIDTH 254
* PRECISION 0
* SCALE 0

FIELD drclasswet ►
* ALIAS drclasswet
* DATA TYPE String
* WIDTH 254
* PRECISION 0
* SCALE 0

FIELD hydgrpdcd ►
* ALIAS hydgrpdcd
* DATA TYPE String
* WIDTH 254
* PRECISION 0
* SCALE 0

FIELD iccdcd ►
* ALIAS iccdcd
* DATA TYPE String
* WIDTH 254
* PRECISION 0
* SCALE 0

FIELD iccdcdpct ►
* ALIAS iccdcdpct
* DATA TYPE SmallInteger
* WIDTH 4
* PRECISION 4
* SCALE 0

FIELD niccdcd ►
* ALIAS niccdcd
* DATA TYPE String
* WIDTH 254
* PRECISION 0
* SCALE 0

FIELD niccdcdpct ►
* ALIAS niccdcdpct
* DATA TYPE SmallInteger
* WIDTH 4
* PRECISION 4
* SCALE 0

FIELD engdwobdcd ►
* ALIAS engdwobdcd
* DATA TYPE String
* WIDTH 254
* PRECISION 0
* SCALE 0

FIELD engdwbdcd ►
* ALIAS engdwbdcd
* DATA TYPE String
* WIDTH 254
* PRECISION 0
* SCALE 0

FIELD engdwbll ►
* ALIAS engdwbll
* DATA TYPE String
* WIDTH 254
* PRECISION 0
* SCALE 0

FIELD engdwbml ►
* ALIAS engdwbml
* DATA TYPE String
* WIDTH 254
* PRECISION 0
* SCALE 0

FIELD engstafdcd ►
* ALIAS engstafdcd
* DATA TYPE String
* WIDTH 254
* PRECISION 0
* SCALE 0

FIELD engstafll ►
* ALIAS engstafll
* DATA TYPE String
* WIDTH 254
* PRECISION 0
* SCALE 0

FIELD engstafml ►
* ALIAS engstafml
* DATA TYPE String
* WIDTH 254
* PRECISION 0
* SCALE 0

FIELD engsldcd ►
* ALIAS engsldcd
* DATA TYPE String
* WIDTH 254
* PRECISION 0
* SCALE 0

FIELD engsldcp ►
* ALIAS engsldcp
* DATA TYPE String
* WIDTH 254
* PRECISION 0
* SCALE 0

FIELD englrsdcd ►
* ALIAS englrsdcd
* DATA TYPE String
* WIDTH 254
* PRECISION 0
* SCALE 0

FIELD engcmssdcd ►
* ALIAS engcmssdcd
* DATA TYPE String
* WIDTH 254
* PRECISION 0
* SCALE 0

FIELD engcmssmp ►
* ALIAS engcmssmp
* DATA TYPE String
* WIDTH 254
* PRECISION 0
* SCALE 0

FIELD urbrecptdc ►
* ALIAS urbrecptdc
* DATA TYPE String
* WIDTH 254
* PRECISION 0
* SCALE 0

FIELD urbrecptwt ►
* ALIAS urbrecptwt
* DATA TYPE Single
* WIDTH 13
* PRECISION 0
* SCALE 0

Field forpehrtdc ►
* Alias forpehrtdc
* Data type String
* Width 254
* Precision 0
* Scale 0

Field hydclprs ►
* Alias hydclprs
* Data type String
* Width 254
* Precision 0
* Scale 0

Field awmmfpwwta ►
* Alias awmmfpwwta
* Data type Single
* Width 13
* Precision 0
* Scale 0

Field mukey_1 ►
* Alias mukey_1
* Data type String
* Width 30
* Precision 0
* Scale 0

Overview Description ►
Entity and Attribute Overview
Map Unit Delineations are closed polygons that may be dominated by a single soil or miscellaneous area component plus allowable similar or dissimilar soils, or they can be geographic mixtures of groups of soils or soils and miscellaneous areas. The map unit symbol uniquely identifies each closed map unit delineation. Each symbol corresponds to a map unit name. The map unit key is used to link to information in the National Soil Information System tables. Map Unit Delineations are described by the National Soil Information System database. This attribute database gives the proportionate extent of the component soils and the properties for each soil. The database contains both estimated and measured data on the physical and chemical soil properties and soil interpretations for engineering, water management, recreation, agronomic, woodland, range, and wildlife uses of the soil. The National Soil Information System database contains static metadata. It documents the data structure and includes such information as what tables, columns, indexes, and relationships are defined as well as a variety of attributes of each of these database objects. Attributes include table and column descriptions and detailed domain information. The National Soil Information System database also contains a distribution metadata. It records the criteria used for selecting map units and components for inclusion in the set of distributed data. Special

features are described in the feature table. It includes an area symbol, feature label, feature name, and feature description for each special and ad hoc feature in the survey area.

ENTITY AND ATTRIBUTE DETAIL CITATION

Soil Taxonomy: A basic system of soil classification for making and interpreting soil surveys. Agricultural Handbook 436, 1999, USDA, SCS. Keys to Soil Taxonomy (current issue), USDA, SCS. National Soil Survey Handbook, Title 430-VI, part 647 (current issue), USDA, NRCS. Agricultural Handbook 18, Soil Survey Manual, 1993, USDA, SCS.

Metadata Details ►

METADATA LANGUAGE English (UNITED STATES)
METADATA CHARACTER SET utf8 - 8 bit UCS Transfer Format

SCOPE OF THE DATA DESCRIBED BY THE METADATA dataset
SCOPE NAME * dataset

* LAST UPDATE 2015-09-23

ARCGIS METADATA PROPERTIES
METADATA FORMAT ArcGIS 1.0
METADATA STYLE ISO 19139 Metadata Implementation Specification
STANDARD OR PROFILE USED TO EDIT METADATA ISO19139

CREATED IN ARCGIS FOR THE ITEM 2015-09-23 12:25:14
LAST MODIFIED IN ARCGIS FOR THE ITEM 2015-09-23 12:26:00

AUTOMATIC UPDATES
HAVE BEEN PERFORMED Yes
LAST UPDATE 2015-09-23 12:26:00

ITEM LOCATION HISTORY
ITEM COPIED OR MOVED 2015-09-23 12:25:14
FROM E:\DATA\soils\Statewide\SSURGO_14
TO \\SWALKER-PC\E$\DATA\soils\Statewide\Webdata\mstm\SSURGO_14

Metadata Contacts ►

METADATA CONTACT
ORGANIZATION'S NAME U.S. Department of Agriculture, Natural Resources Conservation Service
CONTACT'S POSITION State Soil Scientist
CONTACT'S ROLE point of contact

CONTACT INFORMATION ►
PHONE
VOICE 601-965-5209

TDD/TTY 800-877-8339
FAX 601-965-5162

ADDRESS
TYPE postal
DELIVERY POINT 100 West Capitol Street
DELIVERY POINT Suite 1321 Federal Building
CITY Jackson
ADMINISTRATIVE AREA MS
POSTAL CODE 39269
E-MAIL ADDRESS delaney.johnson@ms.usda.gov

Thumbnail and Enclosures ►

THUMBNAIL
THUMBNAIL TYPE JPG

FGDC Metadata (read-only) ▼

DETAILED DESCRIPTION
ENTITY TYPE
ENTITY TYPE LABEL SSURGO_14
ENTITY TYPE DEFINITION
Special Soil Features represent soil, miscellaneous area, or landform features that are too small to be digitized as soil delineations (area features).
ENTITY TYPE DEFINITION SOURCE Agricultural Handbook 18, Soil Survey Manual, 1993, USDA, SCS.

ATTRIBUTE
ATTRIBUTE LABEL FID
ATTRIBUTE DEFINITION
Internal feature number.
ATTRIBUTE DEFINITION SOURCE Esri
ATTRIBUTE DOMAIN VALUES
UNREPRESENTABLE DOMAIN
Sequential unique whole numbers that are automatically generated.

ATTRIBUTE
ATTRIBUTE LABEL Shape
ATTRIBUTE DEFINITION
Feature geometry.
ATTRIBUTE DEFINITION SOURCE Esri
ATTRIBUTE DOMAIN VALUES
UNREPRESENTABLE DOMAIN
Coordinates defining the features.

ATTRIBUTE
ATTRIBUTE LABEL AREASYMBOL

ATTRIBUTE
ATTRIBUTE LABEL FID_1

ATTRIBUTE

ATTRIBUTE LABEL SPATIALVER

ATTRIBUTE
ATTRIBUTE LABEL FID_12

ATTRIBUTE
ATTRIBUTE LABEL MUSYM

ATTRIBUTE
ATTRIBUTE LABEL MUKEY

ATTRIBUTE
ATTRIBUTE LABEL MUSYM_12

ATTRIBUTE
ATTRIBUTE LABEL musym_1

ATTRIBUTE
ATTRIBUTE LABEL musym_1_13

ATTRIBUTE
ATTRIBUTE LABEL muname

ATTRIBUTE
ATTRIBUTE LABEL mustatus

ATTRIBUTE
ATTRIBUTE LABEL slopegradd

ATTRIBUTE
ATTRIBUTE LABEL slopegradw

ATTRIBUTE
ATTRIBUTE LABEL brockdepmi

ATTRIBUTE
ATTRIBUTE LABEL wtdepannmi

ATTRIBUTE
ATTRIBUTE LABEL wtdepaprju

ATTRIBUTE
ATTRIBUTE LABEL flodfreqdc

ATTRIBUTE
ATTRIBUTE LABEL flodfreqma

ATTRIBUTE
ATTRIBUTE LABEL pondfreqpr

ATTRIBUTE
ATTRIBUTE LABEL aws025wta

ATTRIBUTE
ATTRIBUTE LABEL aws050wta

ATTRIBUTE
ATTRIBUTE LABEL aws0100wta

Attribute Label aws0150wta

Attribute

Attribute Label drclassdcd

Attribute

Attribute Label drclasswet

Attribute

Attribute Label hydgrpdcd

Attribute

Attribute Label iccdcd

Attribute

Attribute Label iccdcdpct

Attribute

Attribute Label niccdcd

Attribute

Attribute Label niccdcdpct

Attribute

Attribute Label engdwobdcd

Attribute

Attribute Label engdwbdcd

Attribute

Attribute Label engdwbll

Attribute

Attribute Label engdwbml

Attribute

Attribute Label engstafdcd

Attribute

Attribute Label engstafll

Attribute

Attribute Label engstafml

Attribute

Attribute Label engsldcd

Attribute

Attribute Label engsldcp

Attribute

Attribute Label englrsdcd

Attribute

Attribute Label engcmssdcd

Attribute

Attribute Label engcmssmp

Attribute

Attribute Label urbrecptdc

Attribute

Attribute Label urbrecptwt

Attribute

Attribute Label forpehrtdc

Attribute

Attribute Label hydclprs

Attribute

Attribute Label awmmfpwwta

Attribute

Attribute Label mukey_1

Overview Description

Entity and Attribute Overview

Map Unit Delineations are closed polygons that may be dominated by a single soil or miscellaneous area component plus allowable similar or dissimilar soils, or they can be geographic mixtures of groups of soils or soils and miscellaneous areas. The map unit symbol uniquely identifies each closed map unit delineation. Each symbol corresponds to a map unit name. The map unit key is used to link to information in the National Soil Information System tables. Map Unit Delineations are described by the National Soil Information System database. This attribute database gives the proportionate extent of the component soils and the properties for each soil. The database contains both estimated and measured data on the physical and chemical soil properties and soil interpretations for engineering, water management, recreation, agronomic, woodland, range, and wildlife uses of the soil. The National Soil Information System database contains static metadata. It documents the data structure and includes such information as what tables, columns, indexes, and relationships are defined as well as a variety of attributes of each of these database objects. Attributes include table and column descriptions and detailed domain information. The National Soil Information System database also contains a distribution metadata. It records the criteria used for selecting map units and components for inclusion in the set of distributed data. Special features are described in the feature table. It includes an area symbol, feature label, feature name, and feature description for each special and ad hoc feature in the survey area.

Entity and Attribute Detail Citation

Soil Taxonomy: A basic system of soil classification for making and interpreting soil surveys. Agricultural Handbook 436, 1999, USDA, SCS. Keys to Soil Taxonomy (current issue), USDA, SCS. National Soil Survey Handbook, Title 430-VI, part 647 (current issue), USDA, NRCS. Agricultural Handbook 18, Soil Survey Manual, 1993, USDA, SCS.

Hide Entities and Attributes ▲