

Soil Survey Geographic (SSURGO) database for Adams County, Mississippi (soil1)

Shapefile

Thumbnail Not Available

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: MARIS in July 2012, downloaded this data from the Geospatial Data Store. The Import template for Access 2002 was loaded and the data table muaggatt was exported into EXCEL. The attribute Mapunit Symbol was changed to Symbol, the attribute Mapunit Name was changed to Soil, and the attribute Hydric Classification Presence was changed to HydricClass. All other attributes were deleted from this version of the Excel file. This file was joined with the map unit shapefile soilmu_a_ms<FIPS> on the fields Symbol and MapSym. The shapefile was exported to form this shapefile to keep the joined attributes.

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

There are no credits for this item.

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.

ArcGIS Metadata ►

Topics and Keywords ►

* CONTENT TYPE Downloadable Data

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)

Hide Thesaurus ▲

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

Hide Topics and Keywords ▲

Citation ►

TITLE Soil Survey Geographic (SSURGO) database for Adams County, Mississippi (soil1)

PUBLICATION DATE 2010-07-08

PRESENTATION FORMATS * digital map

OTHER CITATION DETAILS ms001

Hide Citation ▲

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

Hide Contact information ▲

RESPONSIBLE PARTY

ORGANIZATION'S NAME U.S. Department of Agriculture, Natural Resources Conservation Service

CONTACT'S ROLE originator

Hide Citation Contacts ▲

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 XP Version 5.1 (Build 2600) Service Pack 3; ESRI ArcGIS 10.0.4.4000

ARCGIS ITEM PROPERTIES

* NAME soil1

* SIZE 16.754

* LOCATION file:///\\SWALKER-

6712\E\$\DATA\soils\SSURGO_2012\New_Shapefiles\soil1.shp

* ACCESS PROTOCOL Local Area Network

Hide Resource Details ▲

Extents ►

EXTENT

DESCRIPTION

publication date

TEMPORAL EXTENT

BEGINNING DATE 2007-07-10

ENDING DATE 2010-07-08

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching

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 -91.654710

* EAST LONGITUDE -91.153875

* NORTH LATITUDE 31.750060

* SOUTH LATITUDE 31.191224

* EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM

* WEST LONGITUDE -91.654710

* EAST LONGITUDE -91.153875

* SOUTH LATITUDE 31.191224

* NORTH LATITUDE 31.750060

* EXTENT CONTAINS THE RESOURCE Yes

[Hide Extents ▲](#)

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 ►

PHONE

VOICE 601-965-5209 Ext 121

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

[mailto:delaney.johnson@ms.usda.gov?subject=Soil%20Survey%20Geographic%20\(SSURGO\)%20database%20for%20Adams%20County,%20Mississippi%20\(soil1\)](mailto:delaney.johnson@ms.usda.gov?subject=Soil%20Survey%20Geographic%20(SSURGO)%20database%20for%20Adams%20County,%20Mississippi%20(soil1))

[Hide Contact information ▲](#)

[Hide Resource Points of Contact ▲](#)

Resource Maintenance ►

RESOURCE MAINTENANCE

UPDATE FREQUENCY as needed

[Hide Resource Maintenance ▲](#)

Resource Constraints ►

LEGAL CONSTRAINTS

LIMITATIONS OF USE

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[Hide Resource Constraints ▲](#)

Spatial Reference ►

ARCGIS COORDINATE SYSTEM

- * TYPE Geographic
- * GEOGRAPHIC COORDINATE REFERENCE GCS_North_American_1983
- * COORDINATE REFERENCE DETAILS

GEOGRAPHIC COORDINATE SYSTEM
WELL-KNOWN IDENTIFIER 4269
X ORIGIN -400
Y ORIGIN -400
XY SCALE 11258999068426.238
Z ORIGIN -100000
Z SCALE 10000
M ORIGIN -100000
M SCALE 10000
XY TOLERANCE 8.9831528411952133e-009
Z TOLERANCE 0.001
M TOLERANCE 0.001
HIGH PRECISION true

LEFT LONGITUDE -180
WELL-KNOWN TEXT
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],AUTHORITY["EPSG",4269]]

REFERENCE SYSTEM IDENTIFIER

- *VALUE 4269
- *CODESPACE EPSG
- *VERSION 7.4.1

[Hide Spatial Reference ▲](#)

Spatial Data Properties ►

VECTOR ►

- *LEVEL OF TOPOLOGY FOR THIS DATASET geometry only

GEOMETRIC OBJECTS

- FEATURE CLASS NAME soil1
- *OBJECT TYPE composite
- *OBJECT COUNT 8208

[Hide Vector ▲](#)

ARCGIS FEATURE CLASS PROPERTIES ►

- *FEATURE TYPE Simple
- *GEOMETRY TYPE Polygon
- *HAS TOPOLOGY FALSE
- *FEATURE COUNT 8208
- *SPATIAL INDEX TRUE
- *LINEAR REFERENCING FALSE

[Hide ArcGIS Feature Class Properties ▲](#)

[Hide Spatial Data Properties ▲](#)

Data Quality ►

SCOPE OF QUALITY INFORMATION ►

- RESOURCE LEVEL dataset

[Hide Scope of quality information ▲](#)

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.

[Hide Data quality report - Topological consistency ▲](#)

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.

[Hide Data quality report - Conceptual consistency ▲](#)

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.

[Hide Data quality report - Completeness omission ▲](#)

DATA QUALITY REPORT - QUANTITATIVE ATTRIBUTE ACCURACY ►

MEASURE DESCRIPTION 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).

[Hide Data quality report - Quantitative attribute accuracy ▲](#)

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.

[Hide Data quality report - Absolute external positional accuracy ▲](#)

[Hide Data Quality ▲](#)

Lineage ►

PROCESS STEP ►

WHEN THE PROCESS OCCURRED 2012-07-09

DESCRIPTION The tabular data were extracted from the data mart without change. The spatial data was exported to an ESRI shapefile.

SOURCE DATA ►

RELATIONSHIP TO THE PROCESS STEP used

SOURCE CITATION ►

ALTERNATE TITLES NASIS

[Hide Source citation ▲](#)

[Hide Source data ▲](#)

[Hide Process step ▲](#)

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

[Hide Source citation ▲](#)

[Hide Source data ▲](#)

[Hide Process step ▲](#)

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

Hide Source citation ▲

Hide Source data ▲

Hide Process step ▲

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

Hide Source citation ▲

Hide Source data ▲

Hide Process step ▲

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

Hide Source citation ▲

Hide Source data ▲

Hide Process step ▲

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

Hide Source citation ▲

Hide Source data ▲

Hide Process step ▲

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

Hide Source citation ▲

Hide Source data ▲

Hide Process step ▲

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

Hide Source citation ▲

Hide Source data ▲

Hide Process step ▲

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

Hide Source citation ▲

Hide Source data ▲

Hide Process step ▲

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

Hide Source citation ▲

Hide Source data ▲

Hide Process step ▲

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

Hide Source citation ▲

Hide Source data ▲

[Hide Process step ▲](#)

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

[Hide Source citation ▲](#)

[Hide Source data ▲](#)

[Hide Process step ▲](#)

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

[Hide Source citation ▲](#)

[Hide Source data ▲](#)

[Hide Process step ▲](#)

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

Hide Source citation ▲

Hide Source data ▲

Hide Process step ▲

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

Hide Source citation ▲

Hide Source data ▲

Hide Process step ▲

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

Hide Source citation ▲

Hide Source data ▲

Hide Process step ▲

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 neatline 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

Hide Source citation ▲

Hide Source data ▲

Hide Process step ▲

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

Hide Source citation ▲

Hide Source data ▲

Hide Process step ▲

PROCESS STEP ▶

WHEN THE PROCESS OCCURRED 2012-07-10 00:00:00

DESCRIPTION NOTE: MARIS in July 2012, downloaded this data from the Geospatial Data Store. The Import template for Access 2002 was loaded and the data table muaggatt was exported into EXCEL. The attribute Mapunit Symbol was changed to Symbol, the attribute Mapunit Name was changed to Soil, and the attribute Hydric Classification Presence was changed to HydricClass. All other attributes were deleted from this version of the Excel file. This file was joined with the map unit shapefile soilmu_a_ms<FIPS> on the files Symbol and MapSym. The shapefile was exported to form this shapefile to keep the joined attributes.

PROCESS CONTACT

INDIVIDUAL'S NAME Steve Walker

ORGANIZATION'S NAME MARIS

CONTACT'S POSITION GIS Operations Manager

CONTACT'S ROLE processor

CONTACT INFORMATION ▶

PHONE

VOICE 601 432-6149

ADDRESS

TYPE postal

DELIVERY POINT 3825 Ridgewood Rd

CITY Jackson

ADMINISTRATIVE AREA MS

POSTAL CODE 39211

E-MAIL ADDRESS

mailto:swalker@ihl.state.ms.us?subject=Soil%20Survey%20Geographic%20(SSURGO)%20database%20for%20Adams%20County,%20Mississippi%20(soil1)

Hide Contact information ▲

Hide Process step ▲

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.

Hide Contact information ▲

RESPONSIBLE PARTY

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

Hide Source citation ▲

EXTENT OF THE SOURCE DATA

DESCRIPTION
publication date

TEMPORAL EXTENT
DATE AND TIME 2007-01-01

Hide Source data ▲

SOURCE DATA ►

DESCRIPTION source material for scanning

SOURCE MEDIUM NAME hardcopy—diaz 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

[Hide Source citation ▲](#)

EXTENT OF THE SOURCE DATA

DESCRIPTION

2007

TEMPORAL EXTENT

DATE AND TIME 2007-01-01

[Hide Source data ▲](#)

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. Geological Survey

CONTACT'S ROLE originator

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

[Hide Contact information ▲](#)

[Hide Source citation ▲](#)

EXTENT OF THE SOURCE DATA

DESCRIPTION

2007

TEMPORAL EXTENT

DATE AND TIME 2007-01-01

[Hide Source data ▲](#)

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

[Hide Source citation ▲](#)

EXTENT OF THE SOURCE DATA

DESCRIPTION

2007

TEMPORAL EXTENT

DATE AND TIME 2007-01-01

[Hide Source 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 originator

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

Hide Contact information ▲

Hide Source citation ▲

EXTENT OF THE SOURCE DATA

DESCRIPTION

publication date

TEMPORAL EXTENT

BEGINNING DATE 2007-01-01

ENDING DATE 2007-01-01

Hide Source data ▲

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

Hide Source citation ▲

EXTENT OF THE SOURCE DATA

DESCRIPTION

2007

TEMPORAL EXTENT

DATE AND TIME 2007-01-01

[Hide Source data ▲](#)

[Hide Lineage ▲](#)

Distribution ►

DISTRIBUTOR ►

CONTACT INFORMATION

ORGANIZATION'S NAME U.S. Department of Agriculture, Natural Resources Conservation Service, National Cartography and Geospatial Center

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, P.O. Box 6567

CITY Fort Worth

ADMINISTRATIVE AREA Texas

POSTAL CODE 76115

[Hide Contact information ▲](#)

AVAILABLE FORMAT

NAME ArcView shapefile

FILE DECOMPRESSION TECHNIQUE WinZip or equivalent

AVAILABLE FORMAT

NAME ARC/INFO coverage

FILE DECOMPRESSION TECHNIQUE WinZip or equivalent

AVAILABLE FORMAT

NAME ARC/INFO interchange file

FILE DECOMPRESSION TECHNIQUE WinZip or equivalent

AVAILABLE FORMAT

NAME ASCII

FILE DECOMPRESSION TECHNIQUE WinZip or equivalent

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 (ArcView,ArcInfo) shapefile, coverage and interchange (i.e., export) formats. 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://SoilDataMart.nrcs.usda.gov/>

TRANSFER OPTIONS

TRANSFER SIZE 17.5

ONLINE SOURCE

LOCATION URL: <http://SoilDataMart.nrcs.usda.gov/>

TRANSFER OPTIONS

TRANSFER SIZE 17.5

ONLINE SOURCE

LOCATION URL: <http://SoilDataMart.nrcs.usda.gov/>

TRANSFER OPTIONS

TRANSFER SIZE 10.5

ONLINE SOURCE

LOCATION URL: <http://SoilDataMart.nrcs.usda.gov/>

TRANSFER OPTIONS

ONLINE SOURCE

DESCRIPTION Adams County, Mississippi SSURGO

Hide Distributor ▲

DISTRIBUTION FORMAT

* NAME Shapefile

TRANSFER OPTIONS

* TRANSFER SIZE 16.754

ONLINE SOURCE

LOCATION URL: <http://SoilDataMart.nrcs.usda.gov/>

Hide Distribution ▲

Fields ►

DETAILS FOR OBJECT soil1 ►

* TYPE Feature Class

* ROW COUNT 8208

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.

Hide Field FID ▲

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.

Hide Field Shape ▲

FIELD AREASYMBOL ►

- * ALIAS AREASYMBOL
- * DATA TYPE String
- * WIDTH 20
- * PRECISION 0
- * SCALE 0

Hide Field AREASYMBOL ▲

FIELD SPATIALVER ►

- * ALIAS SPATIALVER
- * DATA TYPE Double
- * WIDTH 10
- * PRECISION 10
- * SCALE 0

Hide Field SPATIALVER ▲

FIELD MUSYM ►

- * ALIAS MUSYM
- * DATA TYPE String
- * WIDTH 6
- * PRECISION 0
- * SCALE 0

Hide Field MUSYM ▲

FIELD MUKEY ►

- * ALIAS MUKEY
- * DATA TYPE String
- * WIDTH 30
- * PRECISION 0
- * SCALE 0

Hide Field MUKEY ▲

FIELD Symbol ►

- * ALIAS Symbol
- * DATA TYPE String
- * WIDTH 254
- * PRECISION 0
- * SCALE 0

Hide Field Symbol ▲

FIELD Soil ►

- * ALIAS Soil
- * DATA TYPE String
- * WIDTH 254
- * PRECISION 0
- * SCALE 0

Hide Field Soil ▲

FIELD HydricClas ►

- * ALIAS HydricClas
- * DATA TYPE String
- * WIDTH 254
- * PRECISION 0
- * SCALE 0

Hide Field HydricClas ▲

Hide Details for object soil1 ▲

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 Overview Description ▲](#)

[Hide Fields ▲](#)

Metadata Details ►

METADATA LANGUAGE English (UNITED STATES)

SCOPE OF THE DATA DESCRIBED BY THE METADATA dataset

SCOPE NAME * dataset

* **LAST UPDATE** 2012-07-11

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 2012-07-10 13:40:31

LAST MODIFIED IN ARCGIS 2012-07-11 08:18:02

AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes

LAST UPDATE 2012-07-11 08:18:02

[Hide Metadata Details ▲](#)

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 ►

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DELIVERY POINT Suite 1321 Federal Building

CITY Jackson

ADMINISTRATIVE AREA MS

POSTAL CODE 39269

E-MAIL ADDRESS

mailto:delaney.johnson@ms.usda.gov?subject=Soil%20Survey%20Geographic%20(SSURGO)%20database%20for%20Adams%20County,%20Mississippi%20(soil1)

Hide Contact information ▲

Hide Metadata Contacts ▲

FGDC Metadata (read-only) ▼

DETAILED DESCRIPTION

ENTITY TYPE

ENTITY TYPE LABEL soil1

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 SPATIALVER

ATTRIBUTE
ATTRIBUTE LABEL MUSYM

ATTRIBUTE
ATTRIBUTE LABEL MUKEY

ATTRIBUTE
ATTRIBUTE LABEL Symbol

ATTRIBUTE
ATTRIBUTE LABEL Soil

ATTRIBUTE
ATTRIBUTE LABEL HydricClas

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 ▲](#)