

MS_SSURGO_2020

Shapefile



Tags

Soil Survey, Mississippi, GDG, geoscientificInformation, farming, soils, gSSURGO, Geospatial Data Gateway, SSURGO, United States of America, environment, MS033 (2020-06-03), MS093 (2020-06-03), MS009 (2020-06-03), MS139 (2020-06-03), MS003 (2020-06-03), MS141 (2020-06-03), MS143 (2020-06-03), MS137 (2020-06-03), MS117 (2020-06-03), MS107 (2020-06-03), MS071 (2020-06-03), MS145 (2020-06-03), MS027 (2020-06-03), MS119 (2020-06-03), MS081 (2020-06-03), MS057 (2020-06-03), MS115 (2020-06-03), MS135 (2020-06-03), MS161 (2020-06-03), MS013 (2020-06-03), MS011 (2020-06-03), MS017 (2020-06-03), MS095 (2020-06-03), MS133 (2020-06-03), MS043 (2020-06-03), MS083 (2020-06-03), MS025 (2020-06-03), MS015 (2020-06-03), MS097 (2020-06-03), MS155 (2020-06-03), MS087 (2020-06-03), MS105 (2020-06-03), MS151 (2020-06-03), MS019 (2020-06-03), MS051 (2020-06-03), MS053 (2020-06-03), MS007 (2020-06-03), MS159 (2020-06-03), MS103 (2020-06-03), MS125 (2020-06-03), MS055 (2020-06-03), MS163 (2020-06-03), MS089 (2020-06-03), MS079 (2020-06-03), MS099 (2020-06-03), MS069 (2020-06-03), MS149 (2020-06-03), MS049 (2020-06-03), MS121 (2020-06-03), MS123 (2020-06-03), MS101 (2020-06-03), MS075 (2020-06-03), MS021 (2020-06-03), MS129 (2020-06-03), MS061 (2020-06-03), MS023 (2020-06-03), MS029 (2020-06-03), MS127 (2020-06-03), MS063 (2020-06-03), MS153 (2020-06-03), MS001 (2020-06-03), MS077 (2020-06-03), MS065 (2020-06-03), MS031 (2020-06-03), MS067 (2020-06-03), MS085 (2020-06-03), MS037 (2020-06-03), MS157 (2020-06-03), MS113 (2020-06-03), MS147 (2020-06-03), MS091 (2020-06-03), MS073 (2020-06-03), MS035 (2020-06-03), MS111 (2020-06-03), MS041 (2020-06-03), MS005 (2020-06-03), MS109 (2020-06-03), MS039 (2020-06-03), MS131 (2020-06-03), MS047 (2020-06-03), MS059 (2020-06-03), MS045 (2020-06-03), USA

Summary

The dataset was created for use in national, regional, and state-wide resource planning and analysis of soils data. The Soil Survey Geographic (SSURGO) Database 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.

Description

This dataset 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 dataset consists of georeferenced digital map data and computerized attribute data. The map data are in a state-wide 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. 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

Soil Survey Staff. Gridded Soil Survey Geographic (gSSURGO) Database for Mississippi. United States Department of Agriculture, Natural Resources Conservation Service. Available online at <http://datagateway.nrcs.usda.gov/>. 20200603 (202007 official release).

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 dataset is not designed for use as a primary regulatory tool in permitting or siting 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. Digital data files are periodically updated. Files are dated, and users are responsible for obtaining the latest version of the data.

Extent

West -91.706883 **East** -87.908997
North 35.165836 **South** 30.085911

Scale Range

There is no scale range for this item.

ArcGIS Metadata ►

Topics and Keywords ►

THEMES OR CATEGORIES OF THE RESOURCE farming, environment, geoscientificInformation

* CONTENT TYPE Downloadable Data

PLACE KEYWORDS Mississippi, United States of America, MS033 (2020-06-03), MS093 (2020-06-03), MS009 (2020-06-03), MS139 (2020-06-03), MS003 (2020-06-03), MS141 (2020-06-03), MS143 (2020-06-03), MS137 (2020-06-03), MS117 (2020-06-03), MS107 (2020-06-03), MS071 (2020-06-03), MS145 (2020-06-03), MS027 (2020-06-03), MS119 (2020-06-03), MS081 (2020-06-03), MS057 (2020-06-03), MS115 (2020-06-03), MS135 (2020-06-03), MS161 (2020-06-03), MS013 (2020-06-03), MS011 (2020-06-03), MS017 (2020-06-03), MS095 (2020-06-03), MS133 (2020-06-03), MS043 (2020-06-03), MS083 (2020-06-03), MS025 (2020-06-03), MS015 (2020-06-03), MS097 (2020-06-03), MS155 (2020-06-03), MS087 (2020-06-03), MS105 (2020-06-03), MS151 (2020-06-03), MS019 (2020-06-03), MS051 (2020-06-03), MS053 (2020-06-03), MS007 (2020-06-03), MS159 (2020-06-03), MS103 (2020-06-03), MS125 (2020-06-03), MS055 (2020-06-03), MS163 (2020-06-03), MS089 (2020-06-03), MS079 (2020-06-03), MS099 (2020-06-03), MS069 (2020-06-03), MS149 (2020-06-03), MS049 (2020-06-03), MS121 (2020-06-03), MS123 (2020-06-03), MS101 (2020-06-03), MS075 (2020-06-03), MS021 (2020-06-03), MS129 (2020-06-03), MS061 (2020-06-03), MS023 (2020-06-03), MS029 (2020-06-03), MS127 (2020-06-03), MS063 (2020-06-03), MS153 (2020-06-03), MS001 (2020-06-03), MS077 (2020-06-03), MS065 (2020-06-03), MS031 (2020-06-03), MS067 (2020-06-03), MS085 (2020-06-03), MS037 (2020-06-03), MS157 (2020-06-03), MS113 (2020-06-03), MS147 (2020-06-03), MS091 (2020-06-03), MS073 (2020-06-03), MS035 (2020-06-03), MS111 (2020-06-03), MS041 (2020-06-03), MS005 (2020-06-03), MS109 (2020-06-03), MS039 (2020-06-03), MS131 (2020-06-03), MS047 (2020-06-03), MS059 (2020-06-03), MS045 (2020-06-03), USA

THESAURUS ►

TITLE Counties and County Equivalents of the States of the United States and the District of Columbia (FIPS Pub 6-3)

[Hide Thesaurus ▲](#)

THEME KEYWORDS geoscientificInformation, farming, environment

THESAURUS ►

TITLE ISO 19115 Topic Categories

[Hide Thesaurus ▲](#)

THEME KEYWORDS Soil Survey, GDG, soils, gSSURGO, Geospatial Data Gateway, SSURGO

[Hide Topics and Keywords ▲](#)

Citation ►

* TITLE MS_SSURGO_2020

PRESENTATION FORMATS digital map

FGDC GEOSPATIAL PRESENTATION FORMAT vector digital data

[Hide Citation ▲](#)

Resource Details ►

DATASET LANGUAGES English (UNITED STATES)

SPATIAL REPRESENTATION TYPE vector

* PROCESSING ENVIRONMENT Version 6.2 (Build 9200) ; Esri ArcGIS 10.8.1.14362

CREDITS

Soil Survey Staff. Gridded Soil Survey Geographic (gSSURGO) Database for Mississippi. United States Department of Agriculture, Natural Resources Conservation Service. Available online at <http://datagateway.nrcs.usda.gov/>. 20200603 (202007 official release).

ARCGIS ITEM PROPERTIES

* NAME MS_SSURGO_2020

* SIZE 1259.618

* LOCATION file:///\\DESKTOP-

TP9LNVL\F\$\DATA\00_GEOSCIENTIFIC\soils\Statewide\MS_SSURGO_2020.shp

* ACCESS PROTOCOL Local Area Network

[Hide Resource Details ▲](#)

Extents ►

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

WEST LONGITUDE -91.706883
EAST LONGITUDE -87.908997
SOUTH LATITUDE 30.085911
NORTH LATITUDE 35.165836

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching
* WEST LONGITUDE -91.706883
* EAST LONGITUDE -87.908997
* NORTH LATITUDE 35.165836
* SOUTH LATITUDE 30.085911
* EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM

* WEST LONGITUDE 412308.400000
* EAST LONGITUDE 731720.100000
* SOUTH LATITUDE 808213.800000
* NORTH LATITUDE 1355265.200000
* 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, National Geospatial Center of Excellence
CONTACT'S ROLE point of contact

CONTACT INFORMATION ►

PHONE

VOICE 800 672 5559
FAX 817 509 3469

ADDRESS

TYPE postal
DELIVERY POINT 501 West Felix Street
CITY Fort Worth
ADMINISTRATIVE AREA TX
POSTAL CODE 76115
COUNTRY US

[Hide Contact information ▲](#)

POINT OF CONTACT

ORGANIZATION'S NAME U.S. Department of Agriculture, Natural Resources Conservation Service, National Soil Survey Center

CONTACT'S ROLE point of contact

CONTACT INFORMATION ►

ADDRESS

TYPE postal
DELIVERY POINT Federal Building, Room 152
DELIVERY POINT 100 Centennial Mall North
CITY Lincoln
ADMINISTRATIVE AREA NE
POSTAL CODE 68508-3866
COUNTRY US
E-MAIL ADDRESS SoilsHotline@lin.usda.gov

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TYPE postal
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COUNTRY US
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Hide Resource Points of Contact ▲

Resource Maintenance ►

RESOURCE MAINTENANCE

UPDATE FREQUENCY annually

Hide Resource Maintenance ▲

Resource Constraints ►

LEGAL CONSTRAINTS

LIMITATIONS OF USE

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CONSTRAINTS

LIMITATIONS OF USE

The U.S. Department of Agriculture, Natural Resources Conservation Service, should be acknowledged as the data source in products derived from these data. This dataset is not designed for use as a primary regulatory tool in permitting or siting 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. Digital data files are periodically updated. Files are dated, and users are responsible for obtaining the latest version of the data.

[Hide Resource Constraints ▲](#)

Spatial Reference ►

ARCGIS COORDINATE SYSTEM

- * TYPE Projected
- * GEOGRAPHIC COORDINATE REFERENCE GCS_North_American_1983
- * PROJECTION USA_Contiguous_Albers_Equal_Area_Conic_USGS_version
- * COORDINATE REFERENCE DETAILS

PROJECTED COORDINATE SYSTEM

WELL-KNOWN IDENTIFIER 102039
X ORIGIN -16901100
Y ORIGIN -6972200
XY SCALE 266467840.99085236
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 102039
WELL-KNOWN TEXT
PROJCS["USA_Contiguous_Albers_Equal_Area_Conic_USGS_version",GEOGCS["GCS_No

rth_American_1983",DATUM["D_North_American_1983",SPHEROID["GRS_1980",6378137.0,298.257222101]],PRIMEM["Greenwich",0.0],UNIT["Degree",0.0174532925199433],PROJECTION["Albers"],PARAMETER["False_Easting",0.0],PARAMETER["False_Northing",0.0],PARAMETER["Central_Meridian",-96.0],PARAMETER["Standard_Parallel_1",29.5],PARAMETER["Standard_Parallel_2",45.5],PARAMETER["Latitude_Of_Origin",23.0],UNIT["Meter",1.0],AUTHORITY["Esri",102039]]

REFERENCE SYSTEM IDENTIFIER

- * VALUE 102039
- * CODESPACE Esri
- * VERSION 8.1.2

[Hide Spatial Reference ▲](#)

Spatial Data Properties ►

VECTOR ►

- * LEVEL OF TOPOLOGY FOR THIS DATASET geometry only

GEOMETRIC OBJECTS

- FEATURE CLASS NAME MS_SSURGO_2020
- * OBJECT TYPE composite
- * OBJECT COUNT 708117

[Hide Vector ▲](#)

ARCGIS FEATURE CLASS PROPERTIES ►

- FEATURE CLASS NAME MS_SSURGO_2020
- * FEATURE TYPE Simple
- * GEOMETRY TYPE Polygon
- * HAS TOPOLOGY FALSE
- * FEATURE COUNT 708117
- * 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 ▲](#)

[Hide Data Quality ▲](#)

Lineage ►

PROCESS STEP ►

DESCRIPTION

All available SSURGO data were downloaded from Web Soil Survey to a local cache. As part of the download process, the tabular data for each survey were imported into individual SSURGO template databases (MS Access format) using a custom set of 'SSURGO Download Tools' for ArcGIS 10.x. For each state or territory, intersecting SSURGO datasets were identified using the 'laoverlap' table (Legend Area Overlap). The selected datasets were merged and converted from shapefile and MS Access tables into a single ESRI file geodatabase for that state or territory. The data were not clipped to a state boundary, thus in some instances feature classes may extend beyond a state's boundary. All datasets were projected from the original Geographic WGS 1984 coordinate system to the appropriate Albers Equal Area Conic coordinate system. Relationship classes between tables and feature classes were created in the geodatabase.

PROCESS CONTACT

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

CONTACT'S ROLE processor

CONTACT INFORMATION ►

PHONE

VOICE 800 672 5559

FAX 817 509 3469

ADDRESS

TYPE postal

DELIVERY POINT 501 West Felix Street

CITY Fort Worth

ADMINISTRATIVE AREA TX

POSTAL CODE 76115

COUNTRY US

[Hide Contact information ▲](#)

SOURCE DATA ►

RELATIONSHIP TO THE PROCESS STEP used

SOURCE CITATION ►

ALTERNATE TITLES Soil Survey Geographic (SSURGO) database vector data

[Hide Source citation ▲](#)

[Hide Source data ▲](#)

[Hide Process step ▲](#)

PROCESS STEP ►

DESCRIPTION

The SSURGO dataset 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 dataset 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. The soil map units are linked to attributes in the National Soil Information System (NASIS) relational database, which gives the proportionate extent of the component soils and their properties.

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ORGANIZATION'S NAME U.S. Department of Agriculture, Natural Resources Conservation Service, National Soil Survey Center

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CONTACT INFORMATION ►

ADDRESS

TYPE postal

DELIVERY POINT 100 Centennial Mall North

DELIVERY POINT Federal Building, Room 152

CITY Lincoln

ADMINISTRATIVE AREA NE

POSTAL CODE 68508-3866

COUNTRY US

E-MAIL ADDRESS SoilsHotline@lin.usda.gov

[Hide Contact information ▲](#)

SOURCE DATA ►

RELATIONSHIP TO THE PROCESS STEP produced

SOURCE CITATION ►

ALTERNATE TITLES Soil Survey Geographic (SSURGO) Database for Soil Survey Areas

[Hide Source citation ▲](#)

[Hide Source data ▲](#)

[Hide Process step ▲](#)

[Hide Lineage ▲](#)

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

FAX 817 509 3469

ADDRESS

TYPE postal

DELIVERY POINT 501 West Felix Street

CITY Fort Worth

ADMINISTRATIVE AREA TX

POSTAL CODE 76115

COUNTRY US

[Hide Contact information ▲](#)

AVAILABLE FORMAT

NAME ESRI File Geodatabase

VERSION 10.0

ORDERING PROCESS

TERMS AND FEES The charge is \$250 for an external hard drive that contains one or more datasets. A dataset is one state that includes both spatial and attribute data.

INSTRUCTIONS

Call or write to organizations listed under Distributor.

TRANSFER OPTIONS

ONLINE SOURCE

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

TRANSFER OPTIONS

MEDIUM OF DISTRIBUTION

LIMITATIONS FOR USING THE MEDIUM

Offline Media: External Drive Recording Format: NTFS 3.0

[Hide Distributor ▲](#)

DISTRIBUTION FORMAT

* **NAME** Shapefile

TRANSFER OPTIONS

* TRANSFER SIZE 1259.618

[Hide Distribution ▲](#)

Fields ►

DETAILS FOR OBJECT [MS_SSURGO_2020](#) ►

* TYPE Feature Class

* ROW COUNT 708117

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 [MUSYM](#) ►

* ALIAS MUSYM

* DATA TYPE String

* WIDTH 6

* PRECISION 0

* SCALE 0

[FIELD DESCRIPTION](#)

The symbol used to uniquely identify the soil mapunit in the soil survey.

[Hide Field MUSYM ▲](#)

FIELD [OBJECTID](#) ►

* ALIAS OBJECTID

* DATA TYPE Integer

* WIDTH 10

* PRECISION 10

* SCALE 0

[FIELD DESCRIPTION](#)

Internal feature number.

DESCRIPTION SOURCE

Esri

DESCRIPTION OF VALUES

Sequential unique whole numbers that are automatically generated.

Hide Field OBJECTID ▲

FIELD MUKEY ►

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

FIELD DESCRIPTION

A non-connotative string of characters used to uniquely identify a record in the Mapunit table.

Hide Field MUKEY ▲

FIELD AREASYMBOL ►

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

FIELD DESCRIPTION

A symbol that uniquely identifies a single occurrence of a particular type of area (e.g. Lancaster Co., Nebraska is NE109).

Hide Field AREASYMBOL ▲

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 SPATIALVER ►

- * ALIAS SPATIALVER
- * DATA TYPE Double
- * WIDTH 19
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

A sequential integer number used to denote the serial version of the spatial data for a soil survey area.

[Hide Field SPATIALVER ▲](#)

FIELD Shape_Leng ►

- * ALIAS Shape_Leng
- * DATA TYPE Double
- * WIDTH 19
- * PRECISION 0
- * SCALE 0

[Hide Field Shape_Leng ▲](#)

FIELD Shape_Area ►

- * ALIAS Shape_Area
- * DATA TYPE Double
- * WIDTH 19
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Area of feature in internal units squared.

DESCRIPTION SOURCE

Esri

DESCRIPTION OF VALUES

Positive real numbers that are automatically generated.

[Hide Field Shape_Area ▲](#)

FIELD OBJECTID_1 ►

- * ALIAS OBJECTID_1
- * DATA TYPE Integer
- * WIDTH 9
- * PRECISION 9
- * SCALE 0

[Hide Field OBJECTID_1 ▲](#)

FIELD musym_1 ►

- * ALIAS musym_1
- * DATA TYPE String
- * WIDTH 6
- * PRECISION 0
- * SCALE 0

[Hide Field musym_1 ▲](#)

FIELD muname ►

- * ALIAS muname
- * DATA TYPE String
- * WIDTH 240
- * PRECISION 0
- * SCALE 0

[Hide Field muname ▲](#)

FIELD mustatus ►

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

[Hide Field mustatus ▲](#)

FIELD slopegradd ►

- * ALIAS slopegradd
- * DATA TYPE Single
- * WIDTH 13
- * PRECISION 0
- * SCALE 0

[Hide Field slopegradd ▲](#)

FIELD slopegradw ►

- * ALIAS slopegradw
- * DATA TYPE Single
- * WIDTH 13
- * PRECISION 0
- * SCALE 0

Hide Field slopegradw ▲

FIELD brockdepmi ►

- * ALIAS brockdepmi
- * DATA TYPE Integer
- * WIDTH 5
- * PRECISION 5
- * SCALE 0

Hide Field brockdepmi ▲

FIELD wtdepannmi ►

- * ALIAS wtdepannmi
- * DATA TYPE Integer
- * WIDTH 5
- * PRECISION 5
- * SCALE 0

Hide Field wtdepannmi ▲

FIELD wtdepaprju ►

- * ALIAS wtdepaprju
- * DATA TYPE Integer
- * WIDTH 5
- * PRECISION 5
- * SCALE 0

Hide Field wtdepaprju ▲

FIELD flodfreqdc ►

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

Hide Field flodfreqdc ▲

FIELD flodfreqma ►

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

Hide Field flodfreqma ▲

FIELD pondfreqpr ►

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

Hide Field pondfreqpr ▲

FIELD aws025wta ►

- * ALIAS aws025wta
- * DATA TYPE Single
- * WIDTH 13
- * PRECISION 0
- * SCALE 0

Hide Field aws025wta ▲

FIELD aws050wta ►

- * ALIAS aws050wta
- * DATA TYPE Single
- * WIDTH 13
- * PRECISION 0
- * SCALE 0

Hide Field aws050wta ▲

FIELD aws0100wta ►

- * ALIAS aws0100wta
- * DATA TYPE Single
- * WIDTH 13
- * PRECISION 0
- * SCALE 0

Hide Field aws0100wta ▲

FIELD aws0150wta ►

- * ALIAS aws0150wta
- * DATA TYPE Single
- * WIDTH 13
- * PRECISION 0
- * SCALE 0

[Hide Field aws0150wta ▲](#)

FIELD drclassdcd ▶

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

[Hide Field drclassdcd ▲](#)

FIELD drclasswet ▶

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

[Hide Field drclasswet ▲](#)

FIELD hydgrpdcd ▶

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

[Hide Field hydgrpdcd ▲](#)

FIELD iccdcd ▶

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

[Hide Field iccdcd ▲](#)

FIELD iccdcdpct ▶

- * ALIAS iccdcdpct
- * DATA TYPE Integer
- * WIDTH 5
- * PRECISION 5
- * SCALE 0

[Hide Field iccdcdpct ▲](#)

FIELD niccdcd ▶

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

[Hide Field niccdcd ▲](#)

FIELD niccdcdpct ▶

- * ALIAS niccdcdpct
- * DATA TYPE Integer
- * WIDTH 5
- * PRECISION 5
- * SCALE 0

[Hide Field niccdcdpct ▲](#)

FIELD engdwobdcd ▶

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

[Hide Field engdwobdcd ▲](#)

FIELD engdwbdcd ▶

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

[Hide Field engdwbdcd ▲](#)

FIELD engdwbll ▶

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

[Hide Field engdwbll ▲](#)

FIELD engdwbml ▶

- * ALIAS engdwbml
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- * WIDTH 254
- * PRECISION 0
- * SCALE 0

[Hide Field engdwbml ▲](#)

FIELD engstafdcd ▶

- * ALIAS engstafdcd
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- * WIDTH 254
- * PRECISION 0
- * SCALE 0

[Hide Field engstafdcd ▲](#)

FIELD engstafll ▶

- * ALIAS engstafll
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- * WIDTH 254
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- * SCALE 0

[Hide Field engstafll ▲](#)

FIELD engstafml ▶

- * ALIAS engstafml
- * DATA TYPE String
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[Hide Field engstafml ▲](#)

FIELD engslcdcd ▶

- * ALIAS engslcdcd
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[Hide Field engslcdc](#) ▲

FIELD engslcdc ▶

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[Hide Field engslcdc](#) ▲

FIELD englrscdc ▶

- * ALIAS englrscdc
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[Hide Field englrscdc](#) ▲

FIELD engcmssdc ▶

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[Hide Field engcmssdc](#) ▲

FIELD engcmssp ▶

- * ALIAS engcmssp
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- * SCALE 0

[Hide Field engcmssp](#) ▲

FIELD urbrecptdc ▶

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

Hide Field urbrecptdc ▲

FIELD urbrecptwt ►

- * ALIAS urbrecptwt
- * DATA TYPE Single
- * WIDTH 13
- * PRECISION 0
- * SCALE 0

Hide Field urbrecptwt ▲

FIELD forpehrtdc ►

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

Hide Field forpehrtdc ▲

FIELD hydclprs ►

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

Hide Field hydclprs ▲

FIELD awmmfpwwta ►

- * ALIAS awmmfpwwta
- * DATA TYPE Single
- * WIDTH 13
- * PRECISION 0
- * SCALE 0

Hide Field awmmfpwwta ▲

FIELD mukey_1 ►

- * ALIAS mukey_1
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- * WIDTH 30
- * PRECISION 0
- * SCALE 0

[Hide Field mukey_1 ▲](#)

[Hide Details for object MS_SSURGO_2020 ▲](#)

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 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.

[Hide Overview Description ▲](#)

[Hide Fields ▲](#)

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 2021-06-07

ARCGIS METADATA PROPERTIES

METADATA FORMAT ArcGIS 1.0
METADATA STYLE ISO 19139 Metadata Implementation Specification

CREATED IN ARCGIS FOR THE ITEM 2021-06-07 14:25:09
LAST MODIFIED IN ARCGIS FOR THE ITEM 2021-06-07 14:35:35

AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes
LAST UPDATE 2021-06-07 14:35:35

[Hide Metadata Details ▲](#)

Metadata Contacts ►

METADATA CONTACT

ORGANIZATION'S NAME U.S. Department of Agriculture, Natural Resources Conservation Service, National Soil Survey Center
CONTACT'S ROLE point of contact

CONTACT INFORMATION ►

ADDRESS

TYPE postal
DELIVERY POINT Federal Building, Room 152
DELIVERY POINT 100 Centennial Mall North
CITY Lincoln
ADMINISTRATIVE AREA NE
POSTAL CODE 68508-3866
COUNTRY US
E-MAIL ADDRESS SoilsHotline@lin.usda.gov

[Hide Contact information ▲](#)

[Hide Metadata Contacts ▲](#)

Thumbnail and Enclosures ►

THUMBNAIL

THUMBNAIL TYPE JPG

[Hide Thumbnail and Enclosures ▲](#)

FGDC Metadata (read-only) ▼

DETAILED DESCRIPTION

ENTITY TYPE

ENTITY TYPE LABEL MS_SSURGO_2020

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 MUSYM

ATTRIBUTE DEFINITION

The symbol used to uniquely identify the soil mapunit in the soil survey.

ATTRIBUTE

ATTRIBUTE LABEL OBJECTID

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 MUKEY

ATTRIBUTE DEFINITION

A non-connotative string of characters used to uniquely identify a record in the Mapunit table.

ATTRIBUTE

ATTRIBUTE LABEL AREASYMBOL

ATTRIBUTE DEFINITION

A symbol that uniquely identifies a single occurrence of a particular type of area (e.g. Lancaster Co., Nebraska is NE109).

ATTRIBUTE

ATTRIBUTE LABEL Shape

ATTRIBUTE DEFINITION

Feature geometry.

ATTRIBUTE DEFINITION SOURCE Esri

ATTRIBUTE DOMAIN VALUES

UNREPRESENTABLE DOMAIN

Coordinates defining the features.

ATTRIBUTE

ATTRIBUTE LABEL SPATIALVER

ATTRIBUTE DEFINITION

A sequential integer number used to denote the serial version of the spatial data for a soil survey area.

ATTRIBUTE

ATTRIBUTE LABEL Shape_Leng

ATTRIBUTE

ATTRIBUTE LABEL Shape_Area

ATTRIBUTE DEFINITION

Area of feature in internal units squared.

ATTRIBUTE DEFINITION SOURCE Esri

ATTRIBUTE DOMAIN VALUES

UNREPRESENTABLE DOMAIN

Positive real numbers that are automatically generated.

ATTRIBUTE

ATTRIBUTE LABEL OBJECTID_1

ATTRIBUTE

ATTRIBUTE LABEL musym_1

ATTRIBUTE

ATTRIBUTE LABEL muname

ATTRIBUTE

ATTRIBUTE LABEL mustatus

ATTRIBUTE

ATTRIBUTE LABEL slopegrad

ATTRIBUTE

ATTRIBUTE LABEL slopegradw

ATTRIBUTE LABEL	brockdepmi	ATTRIBUTE
ATTRIBUTE LABEL	wtdepanmi	ATTRIBUTE
ATTRIBUTE LABEL	wtdeparju	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
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

ATTRIBUTE LABEL	engdwbll	
		ATTRIBUTE
ATTRIBUTE LABEL	engdwbml	
		ATTRIBUTE
ATTRIBUTE LABEL	engstafdcd	
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		ATTRIBUTE
ATTRIBUTE LABEL	engslcdc	
		ATTRIBUTE
ATTRIBUTE LABEL	engslcdp	
		ATTRIBUTE
ATTRIBUTE LABEL	englrscdc	
		ATTRIBUTE
ATTRIBUTE LABEL	engcmssdc	
		ATTRIBUTE
ATTRIBUTE LABEL	engcmssmp	
		ATTRIBUTE
ATTRIBUTE LABEL	urbrecptdc	
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ATTRIBUTE LABEL	urbrecptwt	
		ATTRIBUTE
ATTRIBUTE LABEL	forpehrtdc	
		ATTRIBUTE
ATTRIBUTE LABEL	hydclprs	
		ATTRIBUTE
ATTRIBUTE LABEL	awmmfpwwta	
		ATTRIBUTE
ATTRIBUTE LABEL	mukey_1	
		ATTRIBUTE

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 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

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[Hide Entities and Attributes ▲](#)