

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: **chaashto**

Table Label: Horizon AASHTO

Column Physical Name: **aashtocl**

Column Label AASHTO

A rating based on a system that classifies soils according to those properties that affect roadway construction and maintenance. Soils are classified into seven basic groups plus eight subgroups, for a total of fifteen for mineral soils. Another class for organic soils is used. The groups are based on determinations of particle-size distribution, liquid limit, and plasticity index. The group classification, including group index, is useful in determining the relative quality of the soil material for use in earthwork structures, particularly embankments, subgrades, subbases, and bases. (American Association fo State Highway and Transportation Officials)

Column Physical Name: **rvindicator**

Column Label RV?

A yes/no field that indicates if a listed AASHTO classification is representative for the horizon.

Column Physical Name: **chkey**

Column Label Chorizon Key

The unique identifier of a record in the Horizon table. Use this column to join the Horizon AASHTO table to the Horizon table.

Column Physical Name: **chaashtokey**

Column Label Chorizon AASHTO Key

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

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Table Physical Name: chconsistence	Table Label: Horizon Consistence
Column Physical Name: rupresblkmoist	Column Label Rupture Moist
<i>The rupture resistance of a block-shaped specimen of 25 to 30 mm size and moist water state. (SSM)</i>	
Column Physical Name: rupresblkdry	Column Label Rupture Dry
<i>The rupture resistance of a block-shaped specimen of 25 to 30 mm size and dry water state. (SSM)</i>	
Column Physical Name: rupresblkcem	Column Label Rupture Cement
<i>The rupture resistance of a block-like specimen of 25 to 30 mm size that has been air dried and then submerged in water. (SSM)</i>	
Column Physical Name: rupresplate	Column Label Rupture Plate
<i>The rupture resistance of an air dry plate-shaped specimen of specified size. (SSM)</i>	
Column Physical Name: mannerfailure	Column Label Manner of Failure
<i>The manner in which soil specimens fail under increasing force. (SSM)</i>	
Column Physical Name: stickiness	Column Label Stickiness
<i>The maximum capacity of thoroughly puddled soil to adhere to other objects.</i>	
Column Physical Name: plasticity	Column Label Plasticity
<i>The degree to which a puddled, wet soil mass is permanently deformed without rupturing by a slow continuous application of force in any direction. (SSM)</i>	
Column Physical Name: rvindicator	Column Label RV?
<i>A yes/no field that indicates if a set of descriptors of soil consistence is representative for the horizon.</i>	
Column Physical Name: chkey	Column Label Chorizon Key
<i>The unique identifier of a record in the Horizon table. Use this column to join the Horizon Consistence table to the Horizon table.</i>	
Column Physical Name: chconsistkey	Column Label Chorizon Consistence Key
<i>A non-connotative string of characters used to uniquely identify a record in the Horizon Consistence table.</i>	

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Table Physical Name: **chdesgnsuffix**

Table Label: Horizon Designation Suffix

Column Physical Name: **desgnsuffix**

Column Label Suffix

One of the four kinds of symbols, that when concatenated, are used to distinguish different kinds of layers in soils. Letter suffixes are used to designate subordinate distinctions within master horizons, and layers using lowercase letters. (SSM)

Column Physical Name: **chkey**

Column Label Chorizon Key

The unique identifier of a record in the Horizon table. Use this column to join the Horizon Designation Suffix table to the Horizon table.

Column Physical Name: **chdesgnsfxkey**

Column Label Chorizon Designation Suffix Key

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

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Table Physical Name: **chfrags**

Table Label: Horizon Fragments

Column Physical Name: **fragvol_l**

Column Label Vol % - Low Value

Column Physical Name: **fragvol_r**

Column Label Vol % - Representative Value

Column Physical Name: **fragvol_h**

Column Label Vol % - High Value

The volume percentage of the horizon occupied by the 2 mm or larger fraction (20 mm or larger for wood fragments), on a whole soil base.

Column Physical Name: **fragkind**

Column Label Kind

The lithology/composition of the 2 mm or larger fraction of the soil (20 mm or larger for wood fragments).

Column Physical Name: **fragsize_l**

Column Label Size - Low Value

Column Physical Name: **fragsize_r**

Column Label Size - Representative Value

Column Physical Name: **fragsize_h**

Column Label Size - High Value

Size based on the multi-axial dimensions of the fragment fraction.

Column Physical Name: **fragshp**

Column Label Shape

A description of the overall shape of the fragment.

Column Physical Name: **fraground**

Column Label Roundness

An expression of the sharpness of edges and corners of fragments. (Sedimentary Rocks, Pettijohn, 1957)

Column Physical Name: **fraghard**

Column Label Hardness

The hardness of a fragment.

Column Physical Name: **chkey**

Column Label Chorizon Key

The unique identifier of a record in the Horizon table. Use this column to join the Horizon Fragments table to the Horizon table.

Column Physical Name: **chfragskey**

Column Label Chorizon Fragments Key

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

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Table Physical Name: chorizon	Table Label: Horizon
Column Physical Name: hzname	Column Label Designation
<i>The concatenated string of four kinds of symbols (five data elements) used to distinguish different kinds of layers in the soil. (SSM)</i>	
Column Physical Name: desgndisc	Column Label Disc
<i>An Arabic numeral used to indicate a significant change in particle-size distribution or mineralogy that indicates a difference in the material from which the horizon(s) formed and/or a significant difference in age, unless that difference in age is indicated by the suffix "b". (SSM) This numeral is one of four kinds of symbols, that when concatenated, are used to distinguish different kinds of layers in the soil.</i>	
Column Physical Name: desgnmaster	Column Label Master
<i>One of four kinds of symbols, that when concatenated, are used to distinguish different kinds of layers in soils. Master horizons and layers are the base symbols to which other characters are added to complete the designations. Capital letters, virgules (/), and ampersands (&) are used. (SSM)</i>	
Column Physical Name: desgnmasterprime	Column Label Prime
<i>A character used to indicate that this horizon has an identical horizon designation as some overlying horizon. The two horizons in question are separated by at least one other horizon.</i>	
Column Physical Name: desgnvert	Column Label Sub
<i>One of the four kinds of symbols, when concatenated, are used to distinguish different kinds of layers in soils. Vertical subdivisions are used to subdivide a horizon or layer designated by a single letter or combination of letters.</i>	
Column Physical Name: hzdept_l	Column Label Top Depth - Low Value
Column Physical Name: hzdept_r	Column Label Top Depth - Representative Value
Column Physical Name: hzdept_h	Column Label Top Depth - High Value
<i>The distance from the top of the soil to the upper boundary of the soil horizon.</i>	
Column Physical Name: hzdepb_l	Column Label Bottom Depth - Low Value
Column Physical Name: hzdepb_r	Column Label Bottom Depth - Representative Value
Column Physical Name: hzdepb_h	Column Label Bottom Depth - High Value
<i>The distance from the top of the soil to the base of the soil horizon.</i>	
Column Physical Name: hzthk_l	Column Label Thickness - Low Value
Column Physical Name: hzthk_r	Column Label Thickness - Representative Value
Column Physical Name: hzthk_h	Column Label Thickness - High Value
<i>A measurement from the top to bottom of a soil horizon throughout its areal extent.</i>	
Column Physical Name: fraggt10_l	Column Label Rock >10 - Low Value
Column Physical Name: fraggt10_r	Column Label Rock >10 - Representative Value
Column Physical Name: fraggt10_h	Column Label Rock >10 - High Value
<i>The percent by weight of the horizon occupied by rock fragments greater than 10 inches in size.</i>	
Column Physical Name: frag3to10_l	Column Label Rock 3-10 - Low Value
Column Physical Name: frag3to10_r	Column Label Rock 3-10 - Representative Value
Column Physical Name: frag3to10_h	Column Label Rock 3-10 - High Value
<i>The percent by weight of the horizon occupied by rock fragments 3 to 10 inches in size.</i>	
Column Physical Name: sieveno4_l	Column Label #4 - Low Value
Column Physical Name: sieveno4_r	Column Label #4 - Representative Value
Column Physical Name: sieveno4_h	Column Label #4 - High Value
<i>Soil fraction passing a number 4 sieve (4.70mm square opening) as a weight percentage of the less than 3 inch (76.4mm) fraction.</i>	
Column Physical Name: sieveno10_l	Column Label #10 - Low Value

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Table Physical Name: **chorizon**

Table Label: Horizon

Column Physical Name: **sieveno10_r**

Column Label #10 - Representative Value

Column Physical Name: **sieveno10_h**

Column Label #10 - High Value

Soil fraction passing a number 10 sieve (2.00mm square opening) as a weight percentage of the less than 3 inch (76.4mm) fraction.

Column Physical Name: **sieveno40_l**

Column Label #40 - Low Value

Column Physical Name: **sieveno40_r**

Column Label #40 - Representative Value

Column Physical Name: **sieveno40_h**

Column Label #40 - High Value

Soil fraction passing a number 40 sieve (0.42mm square opening) as a weight percentage of the less than 3 inch (76.4mm) fraction.

Column Physical Name: **sieveno200_l**

Column Label #200 - Low Value

Column Physical Name: **sieveno200_r**

Column Label #200 - Representative Value

Column Physical Name: **sieveno200_h**

Column Label #200 - High Value

Soil fraction passing a number 200 sieve (0.074mm square opening) as a weight percentage of the less than 3 inch (76.4mm) fraction.

Column Physical Name: **sandtotal_l**

Column Label Total Sand - Low Value

Column Physical Name: **sandtotal_r**

Column Label Total Sand - Representative Value

Column Physical Name: **sandtotal_h**

Column Label Total Sand - High Value

Mineral particles 0.05mm to 2.0mm in equivalent diameter as a weight percentage of the less than 2 mm fraction.

Column Physical Name: **sandvc_l**

Column Label vcos - Low Value

Column Physical Name: **sandvc_r**

Column Label vcos - Representative Value

Column Physical Name: **sandvc_h**

Column Label vcos - High Value

Mineral particles 1.0mm to 2.0mm in equivalent diameter as a weight percentage of the less than 2 mm fraction.

Column Physical Name: **sandco_l**

Column Label cos - Low Value

Column Physical Name: **sandco_r**

Column Label cos - Representative Value

Column Physical Name: **sandco_h**

Column Label cos - High Value

Mineral particles 0.5mm to 1.0mm in equivalent diameter as a weight percentage of the less than 2 mm fraction.

Column Physical Name: **sandmed_l**

Column Label ms - Low Value

Column Physical Name: **sandmed_r**

Column Label ms - Representative Value

Column Physical Name: **sandmed_h**

Column Label ms - High Value

Mineral particles 0.25mm to 0.5mm in equivalent diameter as a weight percentage of the less than 2 mm fraction.

Column Physical Name: **sandfine_l**

Column Label fs - Low Value

Column Physical Name: **sandfine_r**

Column Label fs - Representative Value

Column Physical Name: **sandfine_h**

Column Label fs - High Value

Mineral particles 0.10 to 0.25mm in equivalent diameter as a weight percentage of the less than 2 mm fraction.

Column Physical Name: **sandvf_l**

Column Label vfs - Low Value

Column Physical Name: **sandvf_r**

Column Label vfs - Representative Value

Column Physical Name: **sandvf_h**

Column Label vfs - High Value

Mineral particles 0.05 to 0.10mm in equivalent diameter as a weight percentage of the less than 2 mm fraction.

Column Physical Name: **silttotal_l**

Column Label Total Silt - Low Value

Column Physical Name: **silttotal_r**

Column Label Total Silt - Representative Value

Column Physical Name: **silttotal_h**

Column Label Total Silt - High Value

Mineral particles 0.002 to 0.05mm in equivalent diameter as a weight percentage of the less than 2.0mm fraction.

Column Physical Name: **siltco_l**

Column Label Coarse Silt - Low Value

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Table Physical Name: **chorizon**

Table Label: Horizon

Column Physical Name: **siltco_r**

Column Label Coarse Silt - Representative Value

Column Physical Name: **siltco_h**

Column Label Coarse Silt - High Value

Mineral particles ranging in size from 0.02mm to 0.05mm in equivalent diameter as a weight percentage of the less than 2.0mm fraction.

Column Physical Name: **siltfine_l**

Column Label Fine Silt - Low Value

Column Physical Name: **siltfine_r**

Column Label Fine Silt - Representative Value

Column Physical Name: **siltfine_h**

Column Label Fine Silt - High Value

Mineral particles ranging in size from 0.002 to 0.02mm in equivalent diameter as a weight percentage of the less than 2.0mm fraction.

Column Physical Name: **claytotal_l**

Column Label Total Clay - Low Value

Column Physical Name: **claytotal_r**

Column Label Total Clay - Representative Value

Column Physical Name: **claytotal_h**

Column Label Total Clay - High Value

Mineral particles less than 0.002mm in equivalent diameter as a weight percentage of the less than 2.0mm fraction.

Column Physical Name: **claysizedcarb_l**

Column Label CaCO3 Clay - Low Value

Column Physical Name: **claysizedcarb_r**

Column Label CaCO3 Clay - Representative Value

Column Physical Name: **claysizedcarb_h**

Column Label CaCO3 Clay - High Value

Carbonate particles less than 0.002mm in equivalent diameter as a weight percentage of the less than 2.0mm fraction.

Column Physical Name: **om_l**

Column Label OM - Low Value

Column Physical Name: **om_r**

Column Label OM - Representative Value

Column Physical Name: **om_h**

Column Label OM - High Value

The amount by weight of decomposed plant and animal residue expressed as a weight percentage of the less than 2 mm soil material.

Column Physical Name: **dbtenthbar_l**

Column Label Db 0.1 bar H2O - Low Value

Column Physical Name: **dbtenthbar_r**

Column Label Db 0.1 bar H2O - Representative Value

Column Physical Name: **dbtenthbar_h**

Column Label Db 0.1 bar H2O - High Value

The oven dried weight of the less than 2 mm soil material per unit volume of soil at a water tension of 1/10 bar.

Column Physical Name: **dbthirdbar_l**

Column Label Db 0.33 bar H2O - Low Value

Column Physical Name: **dbthirdbar_r**

Column Label Db 0.33 bar H2O - Representative Value

Column Physical Name: **dbthirdbar_h**

Column Label Db 0.33 bar H2O - High Value

The oven dry weight of the less than 2 mm soil material per unit volume of soil at a water tension of 1/3 bar.

Column Physical Name: **dbfifteenbar_l**

Column Label Db 15 bar H2O - Low Value

Column Physical Name: **dbfifteenbar_r**

Column Label Db 15 bar H2O - Representative Value

Column Physical Name: **dbfifteenbar_h**

Column Label Db 15 bar H2O - High Value

The oven dry weight of the less than 2 mm soil material per unit volume of soil at a water tension of 15 bar.

Column Physical Name: **dbovendry_l**

Column Label Db oven dry - Low Value

Column Physical Name: **dbovendry_r**

Column Label Db oven dry - Representative Value

Column Physical Name: **dbovendry_h**

Column Label Db oven dry - High Value

The oven dry weight of the less than 2 mm soil material per unit volume of soil exclusive of the desiccation cracks, measured on a coated clod.

Column Physical Name: **partdensity**

Column Label Dp

Mass per unit of volume (not including pore space) of the solid soil particle either mineral or organic. Also known as specific gravity.

Column Physical Name: **ksat_l**

Column Label Ksat - Low Value

Column Physical Name: **ksat_r**

Column Label Ksat - Representative Value

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Table Physical Name: **chorizon**

Table Label: Horizon

Column Physical Name: **ksat_h**

Column Label Ksat - High Value

The amount of water that would move vertically through a unit area of saturated soil in unit time under unit hydraulic gradient.

Column Physical Name: **awc_l**

Column Label AWC - Low Value

Column Physical Name: **awc_r**

Column Label AWC - Representative Value

Column Physical Name: **awc_h**

Column Label AWC - High Value

The amount of water that an increment of soil depth, inclusive of fragments, can store that is available to plants. AWC is expressed as a volume fraction, and is commonly estimated as the difference between the water contents at 1/10 or 1/3 bar (field capacity) and 15 bars (permanent wilting point) tension and adjusted for salinity, and fragments.

Column Physical Name: **wtenthbar_l**

Column Label 0.1 bar H2O - Low Value

Column Physical Name: **wtenthbar_r**

Column Label 0.1 bar H2O - Representative Value

Column Physical Name: **wtenthbar_h**

Column Label 0.1 bar H2O - High Value

The volumetric content of soil water retained at a tension of 1/10 bar (10 kPa), expressed as a percentage of the whole soil.

Column Physical Name: **wthirdbar_l**

Column Label 0.33 bar H2O - Low Value

Column Physical Name: **wthirdbar_r**

Column Label 0.33 bar H2O - Representative Value

Column Physical Name: **wthirdbar_h**

Column Label 0.33 bar H2O - High Value

The volumetric content of soil water retained at a tension of 1/3 bar (33 kPa), expressed as a percentage of the whole soil.

Column Physical Name: **wfifteenbar_l**

Column Label 15 bar H2O - Low Value

Column Physical Name: **wfifteenbar_r**

Column Label 15 bar H2O - Representative Value

Column Physical Name: **wfifteenbar_h**

Column Label 15 bar H2O - High Value

The volumetric content of soil water retained at a tension of 15 bars (1500 kPa), expressed as a percentage of the whole soil.

Column Physical Name: **wsatiated_l**

Column Label Satiated H2O - Low Value

Column Physical Name: **wsatiated_r**

Column Label Satiated H2O - Representative Value

Column Physical Name: **wsatiated_h**

Column Label Satiated H2O - High Value

The estimated volumetric soil water content at or near zero bar tension, expressed as a percentage of the whole soil.

Column Physical Name: **lep_l**

Column Label LEP - Low Value

Column Physical Name: **lep_r**

Column Label LEP - Representative Value

Column Physical Name: **lep_h**

Column Label LEP - High Value

The linear expression of the volume difference of natural soil fabric at 1/3 or 1/10 bar water content and oven dryness. The volume change is reported as percent change for the whole soil.

Column Physical Name: **ll_l**

Column Label LL - Low Value

Column Physical Name: **ll_r**

Column Label LL - Representative Value

Column Physical Name: **ll_h**

Column Label LL - High Value

The water content of the soil at the change between the liquid and plastic states.

Column Physical Name: **pi_l**

Column Label PI - Low Value

Column Physical Name: **pi_r**

Column Label PI - Representative Value

Column Physical Name: **pi_h**

Column Label PI - High Value

The numerical difference between the liquid limit and plastic limit.

Column Physical Name: **aashind_l**

Column Label AASHTO Group Index - Low Value

Column Physical Name: **aashind_r**

Column Label AASHTO Group Index - Representative Value

Column Physical Name: **aashind_h**

Column Label AASHTO Group Index - High Value

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Table Physical Name: **chorizon**

Table Label: Horizon

The empirical group index formula devised for approximately within-group evaluation of the "clayey granular materials" and the "silty-clay materials".

Column Physical Name: **kwfact** Column Label Kw

An erodibility factor which quantifies the susceptibility of soil particles to detachment and movement by water. This factor is adjusted for the effect of rock fragments.

Column Physical Name: **kffact** Column Label Kf

An erodibility factor which quantifies the susceptibility of soil particles to detachment by water.

Column Physical Name: **caco3_l** Column Label CaCO3 - Low Value

Column Physical Name: **caco3_r** Column Label CaCO3 - Representative Value

Column Physical Name: **caco3_h** Column Label CaCO3 - High Value

The quantity of Carbonate (CO3) in the soil expressed as CaCO3 and as a weight percentage of the less than 2 mm size fraction.

Column Physical Name: **gypsum_l** Column Label Gypsum - Low Value

Column Physical Name: **gypsum_r** Column Label Gypsum - Representative Value

Column Physical Name: **gypsum_h** Column Label Gypsum - High Value

The percent by weight of hydrated calcium sulfate in the less than 20 mm fraction of soil.

Column Physical Name: **sar_l** Column Label SAR - Low Value

Column Physical Name: **sar_r** Column Label SAR - Representative Value

Column Physical Name: **sar_h** Column Label SAR - High Value

A measure of the amount of Sodium (Na) relative to Calcium (Ca) and Magnesium (Mg) in the water extract from saturated soil paste.

Column Physical Name: **ec_l** Column Label EC - Low Value

Column Physical Name: **ec_r** Column Label EC - Representative Value

Column Physical Name: **ec_h** Column Label EC - High Value

The electrical conductivity of an extract from saturated soil paste.

Column Physical Name: **cec7_l** Column Label CEC-7 - Low Value

Column Physical Name: **cec7_r** Column Label CEC-7 - Representative Value

Column Physical Name: **cec7_h** Column Label CEC-7 - High Value

The amount of readily exchangeable cations that can be electrically adsorbed to negative charges in the soil, soil constituent, or other material, at pH 7.0, as estimated by the ammonium acetate method.

Column Physical Name: **ecec_l** Column Label ECEC - Low Value

Column Physical Name: **ecec_r** Column Label ECEC - Representative Value

Column Physical Name: **ecec_h** Column Label ECEC - High Value

The sum of NH4OAc extractable bases plus KCl extractable aluminum.

Column Physical Name: **sumbases_l** Column Label Sum of Bases - Low Value

Column Physical Name: **sumbases_r** Column Label Sum of Bases - Representative Value

Column Physical Name: **sumbases_h** Column Label Sum of Bases - High Value

The sum of NH4OAc extractable bases (pH 7.0), reported on less than 2mm base.

Column Physical Name: **ph1to1h2o_l** Column Label pH H2O - Low Value

Column Physical Name: **ph1to1h2o_r** Column Label pH H2O - Representative Value

Column Physical Name: **ph1to1h2o_h** Column Label pH H2O - High Value

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Table Physical Name: **chorizon**

Table Label: Horizon

The negative logarithm to the base 10, of the hydrogen ion activity in the soil using the 1:1 soil-water ratio method. A numerical expression of the relative acidity or alkalinity of a soil sample. (SSM)

Column Physical Name: ph01mcac12_l	Column Label pH CaCl2 - Low Value
Column Physical Name: ph01mcac12_r	Column Label pH CaCl2 - Representative Value
Column Physical Name: ph01mcac12_h	Column Label pH CaCl2 - High Value

The negative logarithm to base of 10 or the hydrogen ion activity in the soil, using the 0.01M CaCl2 method, in a 1:2 soil:solution ratio. A numerical expression of the relative acidity or alkalinity of a soil sample. (SSM)

Column Physical Name: freeiron_l	Column Label Free Iron - Low Value
Column Physical Name: freeiron_r	Column Label Free Iron - Representative Value
Column Physical Name: freeiron_h	Column Label Free Iron - High Value

The secondary iron oxides such as goethite, hematite, ferrihydrite, lepidocrocite and maghemite. This form of iron may occur as discrete particles, as coatings on other particles, or as cementing agents between soil mineral grains. It is iron extracted by dithionite-citrate.

Column Physical Name: feoxalate_l	Column Label Oxalate Fe - Low Value
Column Physical Name: feoxalate_r	Column Label Oxalate Fe - Representative Value
Column Physical Name: feoxalate_h	Column Label Oxalate Fe - High Value

The amount of ammonium oxalate extractable iron in the less than 2mm fraction. It is considered a measure of noncrystalline iron in the soil.

Column Physical Name: extracid_l	Column Label Ext Acidity - Low Value
Column Physical Name: extracid_r	Column Label Ext Acidity - Representative Value
Column Physical Name: extracid_h	Column Label Ext Acidity - High Value

A measure of soil exchangeable hydrogen ions that may become active by cation exchange.

Column Physical Name: extral_l	Column Label Extract Al - Low Value
Column Physical Name: extral_r	Column Label Extract Al - Representative Value
Column Physical Name: extral_h	Column Label Extract Al - High Value

The amount of aluminum extracted in 1 normal potassium chloride. The following laboratory method is applied: 55 ml of 1 normal potassium chloride is extracted through 2.5 g of soil sample. The extract is analyzed by use of an atomic adsorption spectrometer or similar instrument (SSIR #1, method 6G9a and NSSH).

Column Physical Name: aloxalate_l	Column Label Oxalate Al - Low Value
Column Physical Name: aloxalate_r	Column Label Oxalate Al - Representative Value
Column Physical Name: aloxalate_h	Column Label Oxalate Al - High Value

The amount of ammonium oxalate extractable aluminum in the less than 2mm fraction. This is an estimate of the total pedogenic aluminum, much of which may be in noncrystalline material, or complexed by organic matter.

Column Physical Name: pbray1_l	Column Label Bray 1 Phos - Low Value
Column Physical Name: pbray1_r	Column Label Bray 1 Phos - Representative Value
Column Physical Name: pbray1_h	Column Label Bray 1 Phos - High Value

The amount of phosphorous in the less than 2mm fraction, that is extractable using the Bray1 method. It represents the plant available phosphorous content.

Column Physical Name: poxalate_l	Column Label Oxalate Phos - Low Value
Column Physical Name: poxalate_r	Column Label Oxalate Phos - Representative Value
Column Physical Name: poxalate_h	Column Label Oxalate Phos - High Value

The amount of phosphorous in the less than 2mm fraction, that is extractable by aluminum oxalate method. It represents the phosphorous level intermediate between total P and water soluble P.

Column Physical Name: ph2osoluble_l	Column Label Water Soluble Phos - Low Value
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Table Physical Name: **chorizon**

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Column Physical Name: **ph2osoluble_r**

Column Label Water Soluble Phos - Representative Value

Column Physical Name: **ph2osoluble_h**

Column Label Water Soluble Phos - High Value

The amount of water soluble phosphorous in the less than 2mm fraction, that is extractable by distilled water. It represents the mobile phosphorous content.

Column Physical Name: **ptotal_l**

Column Label Total Phos - Low Value

Column Physical Name: **ptotal_r**

Column Label Total Phos - Representative Value

Column Physical Name: **ptotal_h**

Column Label Total Phos - High Value

The estimate of the total phosphorous content of the soil, measured after total dissolution of a size fraction of the soil material. It is reported as a gravimetric percent oxide of the size fraction used.

Column Physical Name: **excavdifcl**

Column Label Excav Diff

An estimation of the difficulty of working an excavation into soil layers, horizons, pedons, or geologic layers. In most instances, excavation difficulty is related to and controlled by a water state.

Column Physical Name: **excavdifms**

Column Label Excav Diff Moisture

The soil moisture status for which the excavation difficulty class is assigned for the individual component.

Column Physical Name: **cokey**

Column Label Component Key

The unique identifier of a record in the Component table. Use this column to join the Horizon table to the Component table.

Column Physical Name: **chkey**

Column Label Chorizon Key

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

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Table Physical Name: **chpores**

Table Label: Horizon Pores

Column Physical Name: **poreqty_l**

Column Label Quantity - Low Value

Column Physical Name: **poreqty_r**

Column Label Quantity - Representative Value

Column Physical Name: **poreqty_h**

Column Label Quantity - High Value

The number of a selected size of pores per unit area of undisturbed soils.

Column Physical Name: **poresize**

Column Label Size

The average diameter of a pore. (SSM)

Column Physical Name: **porecont**

Column Label Continuity

Average vertical distance through which the minimum diameter of the pore exceeds 0.5mm when the soil layer is moist or wetter.

Column Physical Name: **poreshp**

Column Label Shape

A description of the multi-axial shape of the pore.

Column Physical Name: **rvindicator**

Column Label RV?

A yes/no field that indicates if the pores described are representative for the horizon.

Column Physical Name: **chkey**

Column Label Chorizon Key

The unique identifier of a record in the Horizon table. Use this column to join the Horizon Pores table to the Horizon table.

Column Physical Name: **chporeskey**

Column Label Chorizon Pores Key

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

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Table Physical Name: chstruct	Table Label: Horizon Structure
Column Physical Name: structgrade	Column Label: Grade
<i>The distinctness of the peds described in terms of ease of separation into discrete units.</i>	
Column Physical Name: structsize	Column Label: Size
<i>Measurement of the smallest dimension of the selected secondary particles, units, or peds.</i>	
Column Physical Name: structtype	Column Label: Type
<i>The multiaxial shape of secondary particles, units, or peds.</i>	
Column Physical Name: structid	Column Label: Structure ID
<i>An integer number assigned by the user to identify a particular row in the table.</i>	
Column Physical Name: structpartsto	Column Label: Parts to Structure ID
<i>An integer referring to the Structure ID in another row in the same table, intended to indicate if the soil structure described on the current row parts or separates to the structure described on the other row.</i>	
Column Physical Name: chstructgrpkey	Column Label: Chorizon Structure Group Key
<i>The unique identifier of a record in the Horizon Structure Group table. Use this column to join the Horizon Structure table to the Horizon Structure Group table.</i>	
Column Physical Name: chstructkey	Column Label: Chorizon Structure Key
<i>A non-connotative string of characters used to uniquely identify a record in the Horizon Structure table.</i>	

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: **chstructgrp**

Table Label: Horizon Structure Group

Column Physical Name: **structgrpname**

Column Label Structure

The narrative description of the soil structure within a soil horizon.

Column Physical Name: **rvindicator**

Column Label RV?

A yes/no field that indicates if a soil structure is representative for the horizon.

Column Physical Name: **chkey**

Column Label Chorizon Key

The unique identifier of a record in the Horizon table. Use this column to join the Horizon Structure Group table to the Horizon table.

Column Physical Name: **chstructgrpkey**

Column Label Chorizon Structure Group Key

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

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: **chtext**

Table Label: Horizon Text

Column Physical Name: **recdate**

Column Label Date

The date associated with a particular record, expressed as month, day, year -- xx/xx/xxxx.

Column Physical Name: **chorizontextkind**

Column Label Kind

A text entry is identified by its kind, category, and subcategory. Kind is the highest division of classification. Text kind provides a grouping of text entries according to their subject matter.

Column Physical Name: **textcat**

Column Label Category

A text entry is identified by its kind, category, and subcategory. Category is a subdivision of kind. "Agr" and "Soi" are two categories for the text kind "Nontechnical Description".

Column Physical Name: **textsubcat**

Column Label Subcategory

A text entry is identified by its kind, category, and subcategory. Subcategory is a subdivision of category. For text kind "Nontechnical" description and text category "Agr", subcategory would correspond to the SSSD field "desnum".

Column Physical Name: **text**

Column Label Text

The actual narrative text portion of a text entry. The other parts of a text entry are its identifiers: kind, category and subcategory.

Column Physical Name: **chkey**

Column Label Chorizon Key

The unique identifier of a record in the Horizon table. Use this column to join the Horizon Text table to the Horizon table.

Column Physical Name: **chtextkey**

Column Label Chorizon Text Key

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

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: **chttexture**

Table Label: Horizon Texture

Column Physical Name: **texcl**

Column Label: Texture

An expression, based on the USDA system of particle sizes, for the relative portions of the various size groups of individual mineral grains less than 2mm equivalent diameter in a mass of soil.

Column Physical Name: **lieutex**

Column Label: In Lieu

Substitute terms applied to materials that do not fit into a textural class because of organic matter content, size, rupture resistance, solubility, or another reason.

Column Physical Name: **chtgkey**

Column Label: Chorizon Texture Group Key

The unique identifier of a record in the Horizon Texture Group table. Use this column to join the Horizon Texture table to the Horizon Texture Group table.

Column Physical Name: **chtkey**

Column Label: Chorizon Texture Key

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

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: chttexturegrp	Table Label: Horizon Texture Group
Column Physical Name: texture	Column Label: Tex Mod & Class
<i>Name for the concatenation of TEXTURE_MODIFIER and TEXTURE_CLASS.</i>	
Column Physical Name: stratextsflag	Column Label: Stratified?
<i>A Boolean flag that when set (Y) indicates that the textures that comprise a particular texture group, are stratified.</i>	
Column Physical Name: rvindicator	Column Label: RV?
<i>A yes/no field that indicates if a soil texture is representative for the horizon.</i>	
Column Physical Name: texdesc	Column Label: Texture Description
<i>The full texture description for a horizon, using full texture class and in lieu of names rather than abbreviations.</i>	
Column Physical Name: chkey	Column Label: Chorizon Key
<i>The unique identifier of a record in the Horizon table. Use this column to join the Horizon Texture Group table to the Horizon table.</i>	
Column Physical Name: chtgkey	Column Label: Chorizon Texture Group Key
<i>A non-connotative string of characters used to uniquely identify a record in the Horizon Texture Group table.</i>	

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: **chttexturemod**

Table Label: Horizon Texture Modifier

Column Physical Name: **texmod**

Column Label: Modifier

A term used to denote the presence of a condition or component other than sand, silt, or clay.

Column Physical Name: **chtkey**

Column Label: Chorizon Texture Key

The unique identifier of a record in the Horizon Texture table. Use this column to join the Horizon Texture Modifier table to the Horizon Texture table.

Column Physical Name: **chtexmodkey**

Column Label: Chorizon Texture Modifier Key

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

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: **chunified**

Table Label: Horizon Unified

Column Physical Name: **unifiedcl**

Column Label Unified

A system for classifying mineral and organo-mineral soils for engineering purposes based on particle size characteristics, liquid limit, and plasticity index.

Column Physical Name: **rvindicator**

Column Label RV?

A yes/no field that indicates if a Unified soil classification is representative for the horizon.

Column Physical Name: **chkey**

Column Label Chorizon Key

The unique identifier of a record in the Horizon table. Use this column to join the Horizon Unified table to the Horizon table.

Column Physical Name: **chunifiedkey**

Column Label Chorizon Unified Key

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

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: **cocanopycover**

Table Label: Component Canopy Cover

Column Physical Name: **plantcov**

Column Label: Canopy Cover %

Percent of coverage (canopy) attributed to a specific plant species.

Column Physical Name: **plantsym**

Column Label: Plant Symbol

A unique symbol used to identify a plant genus or a plant species. (The PLANTS Database, USDA-NRCS, National Plant Data Center.)

Column Physical Name: **plantsciname**

Column Label: Scientific Name

The full genus and species name as listed in the PLANTS Database, USDA-NRCS, National Plant Data Center.

Column Physical Name: **plantcomname**

Column Label: Common Name

A generally accepted common name used for a plant in a geographic region, usually a state.

Column Physical Name: **cokey**

Column Label: Component Key

The unique identifier of a record in the Component table. Use this column to join the Component Canopy Cover table to the Component table.

Column Physical Name: **cocanopycovkey**

Column Label: Component Canopy Cover Key

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

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: cocropyld	Table Label: Component Crop Yield
Column Physical Name: cropname <i>The common name for the crop.</i>	Column Label Crop Name
Column Physical Name: yldunits <i>Crop yield units per unit area for the specified crop.</i>	Column Label Units
Column Physical Name: nonirryield_l	Column Label Nirr Yield - Low Value
Column Physical Name: nonirryield_r	Column Label Nirr Yield - Representative Value
Column Physical Name: nonirryield_h <i>The expected yield per acre of the specific crop without supplemental irrigation.</i>	Column Label Nirr Yield - High Value
Column Physical Name: irryield_l	Column Label Irr Yield - Low Value
Column Physical Name: irryield_r	Column Label Irr Yield - Representative Value
Column Physical Name: irryield_h <i>The expected yield per acre of the specific crop with irrigation.</i>	Column Label Irr Yield - High Value
Column Physical Name: cropprodindex <i>An index of the capacity of a soil to produce a specific plant under a defined management system.</i>	Column Label Prod Index
Column Physical Name: vasoiprdgrp <i>Crop specific groupings of soils indicating potential yields under a high level of management.</i>	Column Label VA Soil Prod Grp
Column Physical Name: cokey <i>The unique identifier of a record in the Component table. Use this column to join the Component Crop Yield table to the Component table.</i>	Column Label Component Key
Column Physical Name: cocropyldkey <i>A non-connotative string of characters used to uniquely identify a record in the Component Crop Yield table.</i>	Column Label Component Crop Yield Key

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: **codiagfeatures**

Table Label: Component Diagnostic Features

Column Physical Name: **featkind**

Column Label Kind

Kind of diagnostic horizon or diagnostic feature in the soil.

Column Physical Name: **featdept_l**

Column Label Top Depth - Low Value

Column Physical Name: **featdept_r**

Column Label Top Depth - Representative Value

Column Physical Name: **featdept_h**

Column Label Top Depth - High Value

The distance from the top of the soil to the upper boundary of the identified diagnostic horizon or to the upper limit of the occurrence of the diagnostic feature.

Column Physical Name: **featdepb_l**

Column Label Bottom Depth - Low Value

Column Physical Name: **featdepb_r**

Column Label Bottom Depth - Representative Value

Column Physical Name: **featdepb_h**

Column Label Bottom Depth - High Value

The distance from the top of the soil to the base of the identified diagnostic horizon or to the lower limit of the occurrence of the diagnostic feature.

Column Physical Name: **featthick_l**

Column Label Thickness - Low Value

Column Physical Name: **featthick_r**

Column Label Thickness - Representative Value

Column Physical Name: **featthick_h**

Column Label Thickness - High Value

The distance from the upper to lower boundary of the identified diagnostic horizon or feature.

Column Physical Name: **cokey**

Column Label Component Key

The unique identifier of a record in the Component table. Use this column to join the Component Diagnostic Features table to the Component table.

Column Physical Name: **codiagfeatkey**

Column Label Component Diagnostic Features Key

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

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: coecoclass	Table Label: Component Ecological Classification
Column Physical Name: ecoclasstypename	Column Label Ecological Classification Type Name
<i>The name of a particular ecological classification scheme. An example might be "West Virginia Grassland Suitability Groups" or "NRCS Ecological Sites".</i>	
Column Physical Name: ecoclassref	Column Label Ecological Classification Reference
<i>The reference citation for a particular ecological classification scheme, typically a publication.</i>	
Column Physical Name: ecoclassid	Column Label Ecological Classification ID
<i>The identifier of a particular ecological community. For NRCS ecological sites, it is the concatenated form of ecological site type, ecological site MLRA, ecological site LRU, ecological site number and ecological site state FIPS alpha code.</i>	
Column Physical Name: ecoclassname	Column Label Ecological Classification Name
<i>The descriptive name of a particular ecological community. For NRCS ecological sites, it is the concatenated form of three or six other fields. The actual fields that are concatenated together to form this name differ between range and forest ecological sites.</i>	
Column Physical Name: cokey	Column Label Component Key
<i>The unique identifier of a record in the Component table. Use this column to join the Component Ecological Classification table to the Component table.</i>	
Column Physical Name: coecoclasskey	Column Label Component Ecological Classification Key
<i>A non-connotative string of characters used to uniquely identify a record in the Component Ecological Classification table.</i>	

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: coeplants	Table Label: Component Existing Plants
Column Physical Name: plantsym	Column Label Plant Symbol
<i>A unique symbol used to identify a plant genus or a plant species. (The PLANTS Database, USDA-NRCS, National Plant Data Center.)</i>	
Column Physical Name: plantsciname	Column Label Scientific Name
<i>The full genus and species name as listed in the PLANTS Database, USDA-NRCS, National Plant Data Center.</i>	
Column Physical Name: plantcomname	Column Label Common Name
<i>A generally accepted common name used for a plant in a geographic region, usually a state.</i>	
Column Physical Name: forestunprod	Column Label Understory Prod %
<i>The percentage of total annual site production attributed to the specific forest understory plant, expressed as percent of total air dry plant material by weight.</i>	
Column Physical Name: rangeprod	Column Label Range Prod %
<i>The percentage of total annual site production attributed to the specific rangeland plant, expressed as percent of total air dry plant material by weight.</i>	
Column Physical Name: cokey	Column Label Component Key
<i>The unique identifier of a record in the Component table. Use this column to join the Component Existing Plants table to the Component table.</i>	
Column Physical Name: coeplantskey	Column Label Component Existing Plants Key
<i>A non-connnotative string of characters used to uniquely identify a record in the Component Existing Plants table.</i>	

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: **coerosionacc**

Table Label: Component Erosion Accelerated

Column Physical Name: **erokind**

Column Label Kind

The type of detachment and removal of surface soil particles as largely affected by human activities. (SSM)

Column Physical Name: **rvindicator**

Column Label RV?

A yes/no field that indicates if a listed erosion type is representative for the component.

Column Physical Name: **cokey**

Column Label Component Key

The unique identifier of a record in the Component table. Use this column to join the Component Erosion Accelerated table to the Component table.

Column Physical Name: **coeroacckey**

Column Label Component Erosion Accelerated Key

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

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: coforprod	Table Label: Component Forest Productivity
Column Physical Name: plantsym	Column Label Plant Symbol
<i>A unique symbol used to identify a plant genus or a plant species. (The PLANTS Database, USDA-NRCS, National Plant Data Center.)</i>	
Column Physical Name: plantsciname	Column Label Scientific Name
<i>The full genus and species name as listed in the PLANTS Database, USDA-NRCS, National Plant Data Center.</i>	
Column Physical Name: plantcomname	Column Label Common Name
<i>A generally accepted common name used for a plant in a geographic region, usually a state.</i>	
Column Physical Name: siteindexbase	Column Label Site Index Base
<i>The number in the National Register of Site Index Curves corresponding to the site index curve used to determine the site index and the annual productivity of forest overstory tree species.</i>	
Column Physical Name: siteindex_l	Column Label Site Index - Low Value
Column Physical Name: siteindex_r	Column Label Site Index - Representative Value
Column Physical Name: siteindex_h	Column Label Site Index - High Value
<i>The height in feet of the dominant or dominant and co-dominant trees at some index age, except for the pinyon-juniper forest type, for which site index is determined by basal area.</i>	
Column Physical Name: fprod_l	Column Label Productivity ft ³ /ac/yr CMAI - Low Value
Column Physical Name: fprod_r	Column Label Productivity ft ³ /ac/yr CMAI - Representative Value
Column Physical Name: fprod_h	Column Label Productivity ft ³ /ac/yr CMAI - High Value
<i>The annual growth of forest overstory tree species.</i>	
Column Physical Name: cokey	Column Label Component Key
<i>The unique identifier of a record in the Component table. Use this column to join the Component Forest Productivity table to the Component table.</i>	
Column Physical Name: cofprodkey	Column Label Component Forest Productivity Key
<i>A non-connnotative string of characters used to uniquely identify a record in the Component Forest Productivity table.</i>	

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: **coforprodo**

Table Label: Component Forest Productivity - Other

Column Physical Name: **siteindexbase**

Column Label Site Index Base

The number in the National Register of Site Index Curves corresponding to the site index curve used to determine the site index and the annual productivity of forest overstory tree species.

Column Physical Name: **siteindex_l**

Column Label Site Index - Low Value

Column Physical Name: **siteindex_r**

Column Label Site Index - Representative Value

Column Physical Name: **siteindex_h**

Column Label Site Index - High Value

The height in feet of the dominant or dominant and co-dominant trees at some index age, except for the pinyon-juniper forest type, for which site index is determined by basal area.

Column Physical Name: **fprod_l**

Column Label Productivity - Low Value

Column Physical Name: **fprod_r**

Column Label Productivity - Representative Value

Column Physical Name: **fprod_h**

Column Label Productivity - High Value

The annual growth of forest overstory tree species.

Column Physical Name: **fprodunits**

Column Label Units

The unit of measure in which the annual productivity of forest overstory tree species is expressed.

Column Physical Name: **cofprodkey**

Column Label Component Forest Productivity Key

The unique identifier of a record in the Component Forest Productivity table. Use this column to join the Component Forest Productivity table to the Component Forest Productivity - Other table.

Column Physical Name: **cofprodokey**

Column Label Component Forest Productivity Other Key

A non-connotative string of characters used to uniquely identify a record in the Component Forest Productivity - Other table.

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: cogeomordesc	Table Label: Component Geomorphic Description
Column Physical Name: geomftname	Column Label: Feature Type
<i>One of several pseudo-hierarchical terms used to describe relative levels of scale for geomorphic terms.</i>	
Column Physical Name: geomfname	Column Label: Feature Name
<i>A word or group of words used to name a feature on the earth's surface, expressed in the singular form.</i>	
Column Physical Name: geomfmod	Column Label: Feature Modifier
<i>A user specified term(s) used in association with geomorphic features to further define, clarify, and describe the setting of a soil in the the landscape. The terms may, for example, describe relative position, mode of formation, degree of degradation, slope, or geologic time of origin.</i>	
Column Physical Name: geomfeatid	Column Label: Feature ID
<i>An integer number assigned by a user to identify a particular row in the table.</i>	
Column Physical Name: existsonfeat	Column Label: Exists On Feature ID
<i>An integer referring to the Feature ID in another row in the same table, intended to indicate a relationship between two or more rows in a table.</i>	
Column Physical Name: rvindicator	Column Label: RV?
<i>A yes/no field that indicates if a particular geomorphic feature is representative for the component.</i>	
Column Physical Name: cokey	Column Label: Component Key
<i>The unique identifier of a record in the Component table. Use this column to join the Component Geomorphic Description table to the Component table.</i>	
Column Physical Name: cogeomdkey	Column Label: Component Geomorphic Description Key
<i>A non-connotative string of characters used to uniquely identify a record in the Component Geomorphic Description table.</i>	

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: **cohydriccriteria**

Table Label: Component Hydric Criteria

Column Physical Name: **hydriccriterion**

Column Label: Hydric Criterion

Criterion code for the soil characteristic(s) and/or feature(s) that cause the map unit component to be classified as a "hydric soil." These codes are the paragraph numbers in the hydric soil criteria publication.

Column Physical Name: **cokey**

Column Label: Component Key

The unique identifier of a record in the Component table. Use this column to join the Component Hydric Criteria table to the Component table.

Column Physical Name: **cohydrickey**

Column Label: Component Hydric Criteria Key

A non-connnotative string of characters used to uniquely identify a record in the Component Hydric Criteria table.

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

<p>Table Physical Name: cointerp</p>	<p>Table Label: Component Interpretation</p>
<p>Column Physical Name: cokey</p> <p><i>The unique identifier of a record in the Component table. Use this column to join the Component Interpretation table to the Component table.</i></p>	<p>Column Label Component Key</p>
<p>Column Physical Name: mrulekey</p> <p><i>The unique identifier of the rule at the top of the interpretation rule hierarchy (the main rule). Use this key to find the main rule in the Component Interpretation table.</i></p>	<p>Column Label Main Rule Key</p>
<p>Column Physical Name: mrulename</p> <p><i>The name of an interpretation, such as ENG - Dwellings with Basements. A main rule (interpretation) may contain subordinate rules, which in turn may have other subordinate rules. The main rule entry in this column is the user assigned name (typically connotative) for the interpretation rule at the top of the hierarchy.</i></p>	<p>Column Label Main Rule Name</p>
<p>Column Physical Name: seqnum</p> <p><i>Sequential number of the feature being described.</i></p>	<p>Column Label Seq</p>
<p>Column Physical Name: rulekey</p> <p><i>The unique identifier of a record in the Rule table in NASIS.</i></p>	<p>Column Label Rule Key</p>
<p>Column Physical Name: rulename</p> <p><i>A user assigned name (typically connotative) for a particular interpretation rule.</i></p>	<p>Column Label Rule Name</p>
<p>Column Physical Name: ruledepth</p> <p><i>An interpretation rule may contain subordinate rules, which in turn may have subordinate rules. This is an indicator of the depth within the interpretation hierarchy that a particular rule exists, where zero is the top level.</i></p>	<p>Column Label Rule Depth</p>
<p>Column Physical Name: interpll</p> <p><i>The minimum extreme numeric rating for the interpretation rating.</i></p>	<p>Column Label Interp Low Low</p>
<p>Column Physical Name: interpllc</p> <p><i>The rating class term for the minimum extreme of the interpretation rating.</i></p>	<p>Column Label Interp Low Low Class</p>
<p>Column Physical Name: interplr</p> <p><i>The minimum numeric rating of the representative values for the interpretation rating.</i></p>	<p>Column Label Interp Low Representative Value</p>
<p>Column Physical Name: interplrc</p> <p><i>The rating class term for the minimum of the representative values of the interpretation rating.</i></p>	<p>Column Label Interp Low Representative Value Class</p>
<p>Column Physical Name: interphr</p> <p><i>The maximum numeric rating of the representative values of the interpretation rating.</i></p>	<p>Column Label Interp High Representative Value</p>
<p>Column Physical Name: interphrc</p> <p><i>The rating class term for the maximum of the representative values for the interpretation rating.</i></p>	<p>Column Label Interp High Representative Value Class</p>
<p>Column Physical Name: interphh</p> <p><i>The maximum extreme numeric rating for the interpretation rating.</i></p>	<p>Column Label Interp High High</p>
<p>Column Physical Name: interphhc</p> <p><i>A rating class term for the maximum extreme of the interpretation rating.</i></p>	<p>Column Label Interp High High Class</p>
<p>Column Physical Name: nullpropdatabool</p>	<p>Column Label Null Property Data Boolean</p>

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: **cointerp**

Table Label: Component Interpretation

The value of this attribute is set to true whenever any property used in an interpretation returns any null value.

Column Physical Name: **defpropdatabool**

Column Label: Default Property Data Boolean

The value of this attribute is set to true whenever any property used in an interpretation returns a default value in place of any null value.

Column Physical Name: **incpropdatabool**

Column Label: Inconsistent Property Data Boolean

The value of this attribute is set to true whenever any property used in an interpretation that is based on multiple observations returns inconsistent results for the low low value, the low representative value, the high representative value and the high high value.

A property always returns either a representative value or a low, high and representative value. Values for low low, low representative, high representative and high high are only derived in the case where the values of a property used in an interpretation are based on multiple observations.

Column Physical Name: **cointerpkey**

Column Label: Component Interpretation Key

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

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: comonth	Table Label: Component Month
Column Physical Name: monthseq	Column Label Month Sequence
<i>An interger number used to sequence the months of the year in their proper order.</i>	
Column Physical Name: month	Column Label Month
<i>One of the twelve months of the year.</i>	
Column Physical Name: floodfreqcl	Column Label Flooding Frequency
<i>The annual probability of a flood event expressed as a class. (SSM).</i>	
Column Physical Name: flooddurcl	Column Label Flooding Duration
<i>Average duration of inundation per flood occurrence and expressed as a class. (NSSH)</i>	
Column Physical Name: pondfreqcl	Column Label Ponding Frequency
<i>The number of times ponding occurs over a period of time. (SSM)</i>	
Column Physical Name: ponddurcl	Column Label Ponding Duration
<i>The average duration, or length of time, of the ponding occurrence. (NSSH)</i>	
Column Physical Name: ponddep_l	Column Label Ponding Depth - Low Value
Column Physical Name: ponddep_r	Column Label Ponding Depth - Representative Value
Column Physical Name: ponddep_h	Column Label Ponding Depth - High Value
<i>The depth of surface water that is ponding on the soil.</i>	
Column Physical Name: dlyavgprecip_l	Column Label Daily Precip - Low Value
Column Physical Name: dlyavgprecip_r	Column Label Daily Precip - Representative Value
Column Physical Name: dlyavgprecip_h	Column Label Daily Precip - High Value
<i>The daily average precipitation for the referenced month. Commonly calculated as the total precipitation for the month divided by the number of days in the month. (February nominally has 28 days).</i>	
Column Physical Name: dlyavgpotet_l	Column Label Daily ET - Low Value
Column Physical Name: dlyavgpotet_r	Column Label Daily ET - Representative Value
Column Physical Name: dlyavgpotet_h	Column Label Daily ET - High Value
<i>Daily average potential evapotranspiration for the referenced month.</i>	
Column Physical Name: cokey	Column Label Component Key
<i>The unique identifier of a record in the Component table. Use this column to join the Component Month table to the Component table.</i>	
Column Physical Name: comonthkey	Column Label Component Month Key
<i>A non-connotative string of characters used to uniquely identify a record in the Component Month table.</i>	

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: component	Table Label: Component
Column Physical Name: compct_l	Column Label Comp % - Low Value
Column Physical Name: compct_r	Column Label Comp % - Representative Value
Column Physical Name: compct_h	Column Label Comp % - High Value
<i>The percentage of the component of the mapunit.</i>	
Column Physical Name: compname	Column Label Component Name
<i>Name assigned to a component based on its range of properties.</i>	
Column Physical Name: compkind	Column Label Kind
<i>Identifies the kind of component of the mapunit. Examples are series and miscellaneous areas.</i>	
Column Physical Name: majcompflag	Column Label Major Component
<i>Indicates whether or not a component is a major component in the mapunit.</i>	
Column Physical Name: otherph	Column Label SIR phase
<i>Phase criterion other than slope, texture, and flooding used to identify soil components.</i>	
Column Physical Name: localphase	Column Label Local Phase
<i>Phase criterion to be used at a local level, in conjunction with "component name" to help identify a soil component.</i>	
Column Physical Name: slope_l	Column Label Slope Gradient - Low Value
Column Physical Name: slope_r	Column Label Slope Gradient - Representative Value
Column Physical Name: slope_h	Column Label Slope Gradient - High Value
<i>The difference in elevation between two points, expressed as a percentage of the distance between those points. (SSM)</i>	
Column Physical Name: slopelenusle_l	Column Label Slope Length USLE - Low Value
Column Physical Name: slopelenusle_r	Column Label Slope Length USLE - Representative Value
Column Physical Name: slopelenusle_h	Column Label Slope Length USLE - High Value
<i>The distance from the point of origin of overland flow to the point where either the slope gradient decreases enough that deposition begins, or the runoff water enters a well-defined channel that may be part of a drainage network or a constructed channel. (Predicting Rainfall Erosion Losses a Guide to Conservation Planning, Agr. Handbook #537, USDA, 1978).</i>	
Column Physical Name: runoff	Column Label Runoff Class
<i>Runoff potential class for the soil.</i>	
Column Physical Name: tfact	Column Label T
<i>Soil loss tolerance factor. The maximum amount of erosion at which the quality of a soil as a medium for plant growth can be maintained.</i>	
Column Physical Name: wei	Column Label WEI
<i>A value in tons/acre/year that is a factor in calculating soil loss by wind. The values are acquired from WEG.</i>	
Column Physical Name: weg	Column Label WEG
<i>Grouping of soils that have similar properties affecting their resistance to soil blowing in cultivated areas. The groups indicate the susceptibility to soil blowing.</i>	
Column Physical Name: erocl	Column Label Erosion Class
<i>Class of accelerated erosion. (SSM)</i>	
Column Physical Name: earthcovkind1	Column Label Cover Kind 1

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: **component**

Table Label: Component

The natural or artificial material that is observed to cover a portion of the earth's surface. It is determined (at least conceptually) as a vertical projection downward. Level one of a hierarchical system. (1992 NRI Instructions)

Column Physical Name: **earthcovkind2** Column Label Cover Kind 2

The description of ground cover based on a set of vegetal and non-vegetal classes. It is determined (at least conceptually) as a vertical projection downward. Level two of a hierarchical system.

Column Physical Name: **hydricon** Column Label Hydric Condition

Natural condition of the soil component.

Column Physical Name: **hydricrating** Column Label Hydric Rating

A yes/no field that indicates whether or not a map unit component is classified as a "hydric soil". If rated as hydric, the specific criteria met are listed in the Component Hydric Criteria table.

Column Physical Name: **drainagecl** Column Label Drainage Class

Identifies the natural drainage conditions of the soil and refers to the frequency and duration of wet periods. An example of a drainage class is well drained.

Column Physical Name: **elev_l** Column Label Elevation - Low Value

Column Physical Name: **elev_r** Column Label Elevation - Representative Value

Column Physical Name: **elev_h** Column Label Elevation - High Value

The vertical distance from mean sea level to a point on the earth's surface.

Column Physical Name: **aspectccwise** Column Label Aspect Counter Clockwise

One end of the range in characteristics for the slope aspect of a component. This end of the range is expressed in degrees measured clockwise from true north, and is the end of the range that is counter-clockwise from the representative slope aspect.

Column Physical Name: **aspectrep** Column Label Aspect Representative

The common, typical, or expected direction toward which the surface of the soil faces, expressed as an angle between 0 and 360 degrees measured clockwise from true north.

Column Physical Name: **aspectwise** Column Label Aspect Clockwise

One end of the range in characteristics for the slope aspect of a component. This end of the range is expressed in degrees measured clockwise from true north, and is the end of the range that is clockwise from the representative slope aspect.

Column Physical Name: **geomdesc** Column Label Geomorphic Description

A narrative description of the geomorphic setting of a component. The description may incorporate multiple geomorphic features as well as their relationship to each other. The individual parts of the description are recorded in the Component Geomorphic Description table.

Column Physical Name: **albedodry_l** Column Label Albedo Dry - Low Value

Column Physical Name: **albedodry_r** Column Label Albedo Dry - Representative Value

Column Physical Name: **albedodry_h** Column Label Albedo Dry - High Value

The estimated ratio of the incident short-wave (solar) radiation that is reflected by the air dry, less than 2 mm fraction of the soil surface.

Column Physical Name: **airtempa_l** Column Label MAAT - Low Value

Column Physical Name: **airtempa_r** Column Label MAAT - Representative Value

Column Physical Name: **airtempa_h** Column Label MAAT - High Value

The arithmetic average of the daily maximum and minimum temperatures for a calendar year taken over the standard "normal" period, 1961 to 1990.

Column Physical Name: **map_l** Column Label MAP - Low Value

Column Physical Name: **map_r** Column Label MAP - Representative Value

Column Physical Name: **map_h** Column Label MAP - High Value

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: **component**

Table Label: Component

The arithmetic average of the total annual (liquid) precipitation taken over the standard "normal" period, 1961-1990.

Column Physical Name: **reannualprecip_l**

Column Label REAP - Low Value

Column Physical Name: **reannualprecip_r**

Column Label REAP - Representative Value

Column Physical Name: **reannualprecip_h**

Column Label REAP - High Value

An estimate of the amount of moisture available for plant use and/or soil forming processes at a given site. It may vary, plus or minus, from "actual" precipitation amounts as a function of runoff, temperature, aspect, etc.

Column Physical Name: **ffd_l**

Column Label Frost Free Days - Low Value

Column Physical Name: **ffd_r**

Column Label Frost Free Days - Representative Value

Column Physical Name: **ffd_h**

Column Label Frost Free Days - High Value

The expected number of days between the last freezing temperature (0 degrees Celsius) in spring (Jan-Jul) and the first freezing temperature (0 degrees Celsius) in the fall (Aug-Dec). The number of days is based on the probability that the values for the standard "normal" period of 1961 to 1990 will be exceeded in 5 years out of 10.

Column Physical Name: **nirrcapcl**

Column Label Nirr LCC

The broadest category in the land capability classification system for nonirrigated soils.

Column Physical Name: **nirrcapscl**

Column Label Nirr Subcl

The second category in the land capability classification system for nonirrigated soils.

Column Physical Name: **nirrcapunit**

Column Label Nirr LCU

The third category in the land capability classification system for nonirrigated soils.

Column Physical Name: **irrcapcl**

Column Label Irr LCC

The broadest category in the land capability classification system for irrigated soils.

Column Physical Name: **irrcapscl**

Column Label Irr Subcl

The second category in the land capability classification system for irrigated soils.

Column Physical Name: **irrcapunit**

Column Label Irr LCU

The third category in the land capability classification system for irrigated soils.

Column Physical Name: **cropprodindex**

Column Label Prod Index

An index of the capacity of a soil to produce a specific plant under a defined management system.

Column Physical Name: **constreeshrubgrp**

Column Label Cons Tree Shrub Group

The identifier for a particular Conservation Tree Shrub Group (CTSG) which that is associated with a soil map unit component. A CTSG is a physiographic unit or area having similar climatic and edaphic characteristics that control the selection and height of growth of trees and shrubs (National Forestry Manual).

Column Physical Name: **wndbrksuitgrp**

Column Label Windbreak Suitability (Obsolete)

A grouping for selecting plant species best suited for different kinds of soils and for predicting height growth and effectiveness. (National Forestry Manual)

Column Physical Name: **rsprod_l**

Column Label Range Prod - Low Value

Column Physical Name: **rsprod_r**

Column Label Range Prod - Representative Value

Column Physical Name: **rsprod_h**

Column Label Range Prod - High Value

The estimated annual potential production of range forage per year.

Column Physical Name: **foragesuitgrp**

Column Label Forage Suitability Group ID

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: **component**

Table Label: Component

The identifier of the Forage Suitability Group to which the map unit component is assigned.

Column Physical Name: **wlgrain**

Column Label Grain Habitat

Suitability of the soil to produce the wildlife element grain.

Column Physical Name: **wlgrass**

Column Label Grass Habitat

Suitability of the soil to produce the wildlife element grass.

Column Physical Name: **wlherbaceous**

Column Label Herbaceous Habitat

Suitability of the soil to produce the wildlife element herbaceous plants.

Column Physical Name: **wlshrub**

Column Label Shrub Habitat

Suitability of the soil to produce the wildlife element shrub.

Column Physical Name: **wlconiferous**

Column Label Conifer Habitat

Suitability of the soil to produce the wildlife element coniferous trees.

Column Physical Name: **wlhardwood**

Column Label Hardwood Habitat

Suitability of the soil to produce the wildlife element hardwood trees.

Column Physical Name: **wlwetplant**

Column Label Wetland Habitat

Suitability of the soil to produce the wildlife habitat element wetland plant.

Column Physical Name: **wlshallowwat**

Column Label Water Habitat

Suitability of the soil to support the wildlife habitat element shallow water.

Column Physical Name: **wlrangeland**

Column Label Rangeland Wildlife

Suitability of the soil to support the habitat requirements for rangeland wildlife.

Column Physical Name: **wlopenland**

Column Label Openland Wildlife

Suitability of the soil to support the habitat requirements for openland wildlife.

Column Physical Name: **wlwoodland**

Column Label Woodland Wildlife

Suitability of the soil to produce the habitat elements for woodland wildlife.

Column Physical Name: **wlwetland**

Column Label Wetland Wildlife

Suitability of the soil to support the habitat elements for wetland wildlife.

Column Physical Name: **soilslippot**

Column Label Soil Slip Pot

The possibility that a mass of soil will slip when these conditions are met: 1) vegetation is removed, 2) soil water is at or near saturation, and 3) other normal practices are applied. Increasing the hazard of slippage but not considered in this rating are: 1) the undercutting lower portions or loading the upper parts of a slope or 2) altering the drainage or offsite water contribution to the site such as through irrigation.

Column Physical Name: **frostact**

Column Label Frost Action

An interpretation rating of the susceptibility of the soil to frost heaving.

Column Physical Name: **initsub_l**

Column Label Init Subsid - Low Value

Column Physical Name: **initsub_r**

Column Label Init Subsid - Representative Value

Column Physical Name: **initsub_h**

Column Label Init Subsid - High Value

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: **component**

Table Label: Component

The decrease of surface elevation that occurs within the first 3 years of drainage of wet soils having organic layers or semifluid mineral layers. (NSSH)

Column Physical Name: totalsub_l	Column Label	Total Subsid - Low Value
Column Physical Name: totalsub_r	Column Label	Total Subsid - Representative Value
Column Physical Name: totalsub_h	Column Label	Total Subsid - High Value

The potential decrease of surface elevation as a result of the drainage of wet soils having organic layers or semifluid mineral layers. (NSSH)

Column Physical Name: hydgrp	Column Label	Hydrologic Group
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A group of soils having similar runoff potential under similar storm and cover conditions. Examples are A and A/D. (NSSH)

Column Physical Name: corcon	Column Label	Corrosion Concrete
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Susceptibility of concrete to corrosion when in contact with the soil.

Column Physical Name: corsteel	Column Label	Corrosion Steel
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Susceptibility of uncoated steel to corrosion when in contact with the soil.

Column Physical Name: taxclname	Column Label	Taxonomic Class
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A concatenation of the Soil Taxonomy subgroup and family for a soil (long name).

Column Physical Name: taxorder	Column Label	Order
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The highest level in Soil Taxonomy.

Column Physical Name: taxsuborder	Column Label	Suborder
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The second level of Soil Taxonomy. The suborder is below the order and above the great group.

Column Physical Name: taxgrtgroup	Column Label	Great Group
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The third level of Soil Taxonomy. The category is below the suborder and above the subgroup.

Column Physical Name: taxsubgrp	Column Label	Subgroup
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The fourth level of Soil Taxonomy. The subgroup is below great group and above family.

Column Physical Name: taxpartsize	Column Label	Particle Size
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Particle-size classes are used as family differentiae. Particle-size refers to grain-size distribution of the whole soil and is not the same as texture. (Soil Taxonomy).

Column Physical Name: taxpartsize mod	Column Label	Particle Size Mod
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Taxonomic family criteria that is used to indicate the presence of more than two strongly contrasting classes in the particle size control section. (Soil Taxonomy)

Column Physical Name: taxceactcl	Column Label	CEC Activity Cl
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Cation exchange activity classes are used as family criteria differentiae. It is the relative cation exchange (CEC) activity level of the soil based on the CEC to clay ratio. (Soil Taxonomy)

Column Physical Name: taxreaction	Column Label	Reaction
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Indicates the presence or absence of carbonates and the reaction. They are treated together because of their intimate relationship, and are used to indicate family differentiae. (Soil Taxonomy)

Column Physical Name: taxtempcl	Column Label	Temp Class
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SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: **component**

Table Label: Component

The taxonomic family temperature class used to construct the official classification name. It may be null when the taxonomic family temperature class is embedded in the classification name. The actual taxonomic temperature regime is recorded in another place.

Column Physical Name: **taxmoistscl**

Column Label: Moist Subclass

Soil moisture subclasses are taxonomic subgroup criteria, whether included or not in the name of the subgroup. The definition of each subclass is dependent upon the specific taxonomic great group to which it is attached.

Column Physical Name: **taxtempregime**

Column Label: Temp Regime

Soil temperature regime as defined in Soil Taxonomy.

Column Physical Name: **soiltaxedition**

Column Label: Keys to Taxonomy Edition Used

The edition of Keys to Soil Taxonomy used to classify the soil.

Column Physical Name: **castorieindex**

Column Label: CA Storie Index

The California Storie Index expresses numerically the relative degree of suitability of a soil for general intensive agricultural uses at the time of evaluation. The rating is based on soil characteristics only and is obtained by evaluating such factors as soil depth, texture of the surface soil, subsoil characteristics, and surface relief.

Storie, R. Earl and Walter W. Weir. 1948. Manual for identifying and classifying California soil series. With 1958 Supplement, revised 1978. Associated Students Store, University of California, Berkeley, California.

Column Physical Name: **flecolcomnum**

Column Label: FL Ecol Comm #

Numbers correspond to the NRCS printed publication "26 Ecological Communities of Florida" 1995. This publication is based on the awareness that a soil type commonly supports a specific vegetative community, which in turn provides the habitat needed by specific wildlife species.

Column Physical Name: **flhe**

Column Label: FL HE

A data element with a yes/no entry, assigned by soil component, used in Florida. It is used to identify highly erodible land.

Column Physical Name: **flphe**

Column Label: FL PHE

A data element with a yes/no entry, assigned by soil component, used in Florida. The basis for identifying highly erodible land is the erodibility index of a soil survey map unit. The erodibility index of a soil is determined by dividing the potential erodibility for each soil survey map unit by the soil loss tolerance (T) value established for the soil. The potential erodibility for a map unit differs according to the erosion type (water or wind erosion). The T value represents the maximum annual rate of soil erosion that could take place without causing a decline in long-term productivity. A soil map unit with an erodibility index of 8 or more is a highly erodible soil map unit.

For water erosion, a soil survey map unit is potentially highly erodible if: (1) the RKLS/T value using the minimum LS factor is less than 8 and (2) the RKLS/T value using the maximum LS factor is equal to or greater than 8. (Predicting Rainfall Erosion Losses; A Guide to Conservation Planning, Field Office Technical Guide, Nat. FSA Handbook Sec. 511.23, and Florida Erosion Control Handbook)

Column Physical Name: **fsoilleachpot**

Column Label: FL Leach Pot

The potential of the soil to allow chemicals to leave the application site by leaching through the soil, as used in Florida state law. Soils with a rating of High or Medium are considered to pose a potential leaching hazard.

Column Physical Name: **fsoirunoffpot**

Column Label: FL Runoff Pot

The potential of the soil to allow chemicals to leave the application site with runoff water and/or detached soil particles, as defined for use in Florida. Soils with a rating of High or Medium are considered to pose a potential runoff hazard.

Column Physical Name: **ftemik2use**

Column Label: FL Temik

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: **component**

Table Label: Component

The following soil related use restrictions for Temik 10G (aldicarb) exits if the pesticide is to be applied to citrus in Florida. Temik cannot be used within 1000 feet of a drinking water well unless it is known that the well is cased to 100 feet below ground level or to a minimum of 30 feet below the water table in soils that have:

- 1. A permeability of twenty inches/hour or more (very rapid permeability) and*
- 2. A water holding capacity of less than 0.06 inch/inch of soil (very low water holding capacity)-- in all horizons to a depth of 80 inches or to bedrock if bedrock is within 80 inches of the surface.*

The choice indicates that if a component has soil properties, according to state labeling, favorable for the application of the pesticide Temik 10G, the entry is Yes. If the component does not have favorable properties the entry is No.

Column Physical Name: **fltriumph2use**

Column Label FL Triumph

Soil related use restrictions for Triumph 4E Insecticide are applicable in certain conditions in Florida. Please note the label for the conditions. The soil related conditions are as follows:

- 1. A permeability of six inches/hour or more (rapid or very rapid permeability) and*
- 2. A water holding capacity of 0.10 inch/inch of soil or less (low or very low water holding capacity)-- in all horizons to a depth of 80 inches or to bedrock if bedrock is within 80 inches of the surface.*

The choice indicates that if a component has soil properties, according to state labeling, favorable for the application of the pesticide Triumph 4E Insecticide (trademark), the entry is Yes. If the component does not have favorable properties the entry is No.

Column Physical Name: **indraingrp**

Column Label IN Drainage Grp

A group of soils that share similar recommendations for drainage whether the drainage is subsurface or surface. (Agronomy Guide, ID-160 - Purdue University)

Column Physical Name: **innitrateleachi**

Column Label IN NO3 Leach Index

A number which reflects annual precipitation, rainfall distribution, and hydrologic group. The system allows comparison of the amount of nitrate which could be leached in percolating water. The numbers were obtained from the Midwest National Technical Center and are used in Indiana.

Column Physical Name: **misoimgmtgrp**

Column Label MI Soil Mgmt Grp

A system for ranking soils for major uses, developed by Michigan State University. Soils are assigned to a group according to the dominant profile texture, the natural drainage class, and the management groups are listed in the same order as the series named in the complex. (Mokma, D.L., E.P. Whiteside, and J.F. Schneider. 1978. Soil Management Units in Land Use Planning. Mich. State Univ., Ext. Bull. E-1262, 12 pp.

Column Physical Name: **vasoimgtgrp**

Column Label VA Soil Mgmt Grp

A system for ranking soils in Virginia for productivity estimates. Developed by VPI&SU. See Virginia Agronomic Land Use Evaluation System (VALUES) 1993.

Column Physical Name: **mukey**

Column Label Mapunit Key

The unique identifier of a record in the Mapunit table. Use this column to join the Component table to the Mapunit table.

Column Physical Name: **cokey**

Column Label Component Key

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

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: **copm**

Table Label: Component Parent Material

Column Physical Name: **pmorder**

Column Label: Vertical Order

The sequence in which the parent material occurs, when more than one parent material exists for one soil profile. If only one parent material occurs for a soil, i.e. no lithologic discontinuities, no entry is required.

Column Physical Name: **pmmodifier**

Column Label: Textural Modifier

General description of the texture of the parent material. Class limits correspond to those of textural groupings defined in the Soil Survey Manual and family particle-size classes in Soil Taxonomy.

Column Physical Name: **pmgenmod**

Column Label: General Modifier

A user specified term(s) used to further describe the nature of the parent material for a given soil.

Column Physical Name: **pmkind**

Column Label: Kind

A term describing the general physical, chemical and mineralogical composition of the material, mineral or organic, from which the soil develops. Mode of deposition and/or weathering may be implied or implicit.

Column Physical Name: **pmorigin**

Column Label: Origin

The type of bedrock from which the parent material was derived.

Column Physical Name: **copmgrpkey**

Column Label: Component Parent Material Group Key

The unique identifier of a record in the Component Parent Material Group table. Use this column to join the Component Parent Material Group table to the Component Parent Material table.

Column Physical Name: **copmkey**

Column Label: Component Parent Material Key

A non-connnotative string of characters used to uniquely identify a record in the Component Parent Material table.

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: **copmgrp**

Table Label: Component Parent Material Group

Column Physical Name: **pmgroupname**

Column Label Group Name

Name for the concatenation of PARENT_MATERIAL_MODIFIER, PARENT_MATERIAL_KIND, and PARENT_MATERIAL_ORIGIN for each of the parent materials that may occur in a vertical cross section of a soil.

Column Physical Name: **rvindicator**

Column Label RV?

A yes/no field that indicates if a listed parent material is representative for the component.

Column Physical Name: **cokey**

Column Label Component Key

The unique identifier of a record in the Component table. Use this column to join the Component Parent Material Group table to the Component table.

Column Physical Name: **copmgrpkey**

Column Label Component Parent Material Group Key

A non-connnotative string of characters used to uniquely identify a record in the Component Parent Material Group table.

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: **copwindbreak**

Table Label: Component Potential Windbreak

Column Physical Name: **wndbrkht_l**

Column Label Height - Low Value

Column Physical Name: **wndbrkht_r**

Column Label Height - Representative Value

Column Physical Name: **wndbrkht_h**

Column Label Height - High Value

Windbreak tree height at age 20 years.

Column Physical Name: **plantsym**

Column Label Plant Symbol

A unique symbol used to identify a plant genus or a plant species. (The PLANTS Database, USDA-NRCS, National Plant Data Center.)

Column Physical Name: **plantsciname**

Column Label Scientific Name

The full genus and species name as listed in the PLANTS Database, USDA-NRCS, National Plant Data Center.

Column Physical Name: **plantcomname**

Column Label Common Name

A generally accepted common name used for a plant in a geographic region, usually a state.

Column Physical Name: **cokey**

Column Label Component Key

The unique identifier of a record in the Component table. Use this column to join the Component Potential Windbreak table to the Component table.

Column Physical Name: **copwindbreakkey**

Column Label Component Potential Windbreak Key

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

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: **corestrictions**

Table Label: Component Restrictions

Column Physical Name: **reskind**

Column Label Kind

Type of nearly continuous layer that has one or more physical, chemical, or thermal property(ies) that significantly reduce the movement of water and air through the soil or that otherwise provides an unfavorable root environment.

Column Physical Name: **reshard**

Column Label Hardness

The rupture resistance class of block-like specimens from the restrictive feature that have been air dried and then submerged in water.

Column Physical Name: **resdept_l**

Column Label Top Depth - Low Value

Column Physical Name: **resdept_r**

Column Label Top Depth - Representative Value

Column Physical Name: **resdept_h**

Column Label Top Depth - High Value

The distance from the soil surface to the upper boundary of the restrictive layer.

Column Physical Name: **resdepb_l**

Column Label Bottom Depth - Low Value

Column Physical Name: **resdepb_r**

Column Label Bottom Depth - Representative Value

Column Physical Name: **resdepb_h**

Column Label Bottom Depth - High Value

The distance from the soil surface to the lower boundary of the restrictive layer.

Column Physical Name: **resthk_l**

Column Label Thickness - Low Value

Column Physical Name: **resthk_r**

Column Label Thickness - Representative Value

Column Physical Name: **resthk_h**

Column Label Thickness - High Value

The distance from the top to bottom of a restrictive layer.

Column Physical Name: **cokey**

Column Label Component Key

The unique identifier of a record in the Component table. Use this column to join the Component Restrictions table to the Component table.

Column Physical Name: **corestrictkey**

Column Label Component Restrictions Key

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

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: **cosoilmoist**

Table Label: Component Soil Moisture

Column Physical Name: **soimoistdept_l**

Column Label Top Depth - Low Value

Column Physical Name: **soimoistdept_r**

Column Label Top Depth - Representative Value

Column Physical Name: **soimoistdept_h**

Column Label Top Depth - High Value

The distance from the top of the soil to the upper boundary of the moisture layer.

Column Physical Name: **soimoistdepb_l**

Column Label Bottom Depth - Low Value

Column Physical Name: **soimoistdepb_r**

Column Label Bottom Depth - Representative Value

Column Physical Name: **soimoistdepb_h**

Column Label Bottom Depth - High Value

The distance from the top of the soil to the lower boundary of the moisture layer.

Column Physical Name: **soimoiststat**

Column Label Moisture Status

The typical soil moisture state of the layer, for the month in question.

Column Physical Name: **comonthkey**

Column Label Component Month Key

The unique identifier of a record in the Component Month table. Use this column to join the Component Soil Moisture table to the Component Month table.

Column Physical Name: **cosoilmoistkey**

Column Label Component Soil Moisture Key

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

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: **cosoiltemp**

Table Label: Component Soil Temperature

Column Physical Name: **soilempmm**

Column Label: Monthly Temp

The long-term monthly average of the mean daily soil temperature of the layer for the month in question. Long-term is generally considered to be a 30-year average.

Column Physical Name: **soilempdept_l**

Column Label: Top Depth - Low Value

Column Physical Name: **soilempdept_r**

Column Label: Top Depth - Representative Value

Column Physical Name: **soilempdept_h**

Column Label: Top Depth - High Value

The distance from the top of the soil to the upper boundary of the soil temperature layer.

Column Physical Name: **soilempdepb_l**

Column Label: Bottom Depth - Low Value

Column Physical Name: **soilempdepb_r**

Column Label: Bottom Depth - Representative Value

Column Physical Name: **soilempdepb_h**

Column Label: Bottom Depth - High Value

The distance from the top of the soil to the lower boundary of the soil temperature layer.

Column Physical Name: **comonthkey**

Column Label: Component Month Key

The unique identifier of a record in the Component Month table. Use this column to join the Component Soil Temperature table to the Component Month table.

Column Physical Name: **cosoiltempkey**

Column Label: Component Soil Temperature Key

A non-connnotative string of characters used to uniquely identify a record in the Component Soil Temperature table.

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: cosurffrags	Table Label: Component Surface Fragments
Column Physical Name: sfragcov_l	Column Label Cover % - Low Value
Column Physical Name: sfragcov_r	Column Label Cover % - Representative Value
Column Physical Name: sfragcov_h	Column Label Cover % - High Value
<i>Percent of the ground covered by fragments 2 mm or larger (20 mm or larger for wood fragments).</i>	
Column Physical Name: distrocks_l	Column Label Spacing - Low Value
Column Physical Name: distrocks_r	Column Label Spacing - Representative Value
Column Physical Name: distrocks_h	Column Label Spacing - High Value
<i>Average distance between surface stones and/or boulders, measured between edges.</i>	
Column Physical Name: sfragkind	Column Label Kind
<i>The lithology/composition of the surface fragments 2 mm or larger (20 mm or larger for wood fragments).</i>	
Column Physical Name: sfragsize_l	Column Label Size - Low Value
Column Physical Name: sfragsize_r	Column Label Size - Representative Value
Column Physical Name: sfragsize_h	Column Label Size - High Value
<i>Size based on the multi-axial dimensions of the surface fragment.</i>	
Column Physical Name: sfragshp	Column Label Shape
<i>A description of the overall shape of the surface fragment.</i>	
Column Physical Name: sfraground	Column Label Roundness
<i>An expression of the sharpness of edges and corners of surface fragments.</i>	
Column Physical Name: sfraghard	Column Label Hardness
<i>The hardness of the fragment.</i>	
Column Physical Name: cokey	Column Label Component Key
<i>The unique identifier of a record in the Component table. Use this column to join the Component Surface Fragments table to the Component table.</i>	
Column Physical Name: cosurffragskey	Column Label Component Surface Fragments Key
<i>A non-connotative string of characters used to uniquely identify a record in the Component Surface Fragments table.</i>	

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: cosurfmorphgc	Table Label: Component Three Dimensional Surface Morphometry
Column Physical Name: geomposmntn	Column Label: Geomorphic Component - Mountains
<i>A mappable part of the earth's surface (three dimensional) that represents an episode of landscape development of mountains.</i>	
Column Physical Name: geomposhill	Column Label: Geomorphic Component - Hills
<i>A mappable part of the earth's surface (three dimensional) that represents an episode of landscape development of hills.</i>	
Column Physical Name: geompostrce	Column Label: Geomorphic Component - Terraces
<i>A mappable part of the earth's surface (three dimensional) that represents an episode of landscape development of terraces.</i>	
Column Physical Name: geomposflats	Column Label: Geomorphic Component - Flats
<i>Description of the geomorphic component for flats.</i>	
Column Physical Name: cogeomdkey	Column Label: Component Geomorphic Description Key
<i>The unique identifier of a record in the Component Geomorphic Description table. Use this column to join the Component Geomorphic Description table to the Component Three Dimensional Surface Morphometry table.</i>	
Column Physical Name: cosurfmorgckey	Column Label: Component Surface Morphometry - Geomorphic Component Key
<i>A non-connotative string of characters used to uniquely identify a record in the Component Three Dimensional Surface Morphometry table.</i>	

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: **cosurfmorphhpp**

Table Label: Component Two Dimensional Surface Morphometry

Column Physical Name: **hillslopeprof**

Column Label Hillslope Profile

Two dimensional slope segments of a hillslope that have similar geometric, erosional, or depositional characteristics.

Column Physical Name: **cogeomdkey**

Column Label Component Geomorphic Description Key

The unique identifier of a record in the Component Geomorphic Description table. Use this column to join the Component Geomorphic Description table to the Component Two Dimensional Surface Morphometry table.

Column Physical Name: **cosurfmorhppkey**

Column Label Component Surface Morphometry - Hillslope Profile Position

A non-connotative string of characters used to uniquely identify a record in the Component Two Dimensional Surface Morphometry table.

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: **cosurfmorphmr**

Table Label: Component Microrelief Surface
Morphometry

Column Physical Name: **geomicrorelief**

Column Label: Microrelief Kind

The kind of slight variations in the height of a land surface that are too small or intricate to delineate on a topographic or soils map at commonly used scales (1:24000, and 1:10000).

Column Physical Name: **cogeomdkey**

Column Label: Component Geomorphic Description
Key

The unique identifier of a record in the Component Geomorphic Description table. Use this column to join the Component Geomorphic Description table to the Component Microrelief Surface Morphometry table.

Column Physical Name: **cosurfmormrkey**

Column Label: Component Surface Morphometry -
Micro Relief Key

A non-connotative string of characters used to uniquely identify a record in the Component Microrelief Surface Morphometry table.

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: **cosurfmorphss**

Table Label: Component Slope Shape Surface Morphometry

Column Physical Name: **shapeacross**

Column Label: Slope Shape Across

The geometric, two dimensional profile (shape) of the slope parallel to elevation contours.

Column Physical Name: **shapedown**

Column Label: Slope Shape Up/Down

The longitudinal shape of the slope.

Column Physical Name: **cogeomdkey**

Column Label: Component Geomorphic Description Key

The unique identifier of a record in the Component Geomorphic Description table. Use this column to join the Component Geomorphic Description table to the Component Slope Shape Surface Morphometry table.

Column Physical Name: **cosurfmorsskey**

Column Label: Component Surface Morphometry - Slope Shape Key

A non-connotative string of characters used to uniquely identify a record in the Component Slope Shape Surface Morphometry table.

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: **cotaxfmmin**

Table Label: Component Taxonomic Family
Mineralogy

Column Physical Name: **taxminalogy**

Column Label: Mineralogy

Mineralogy classes are used as family differentiae. They are based on the approximate mineralogical composition of selected size fractions of the same segment of the soil (control section) that is used for application of particle-size classes. (Soil Taxonomy)

Column Physical Name: **cokey**

Column Label: Component Key

The unique identifier of a record in the Component table. Use this column to join the Component Taxonomic Family Mineralogy table to the Component table.

Column Physical Name: **cotaxfmminkey**

Column Label: Component Taxonomic Family
Mineralogy Key

A non-connotative string of characters used to uniquely identify a record in the Component Taxonomic Family Mineralogy table.

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: **cotaxmoistcl** Table Label: Component Taxonomic Moisture Class

Column Physical Name: **taxmoistcl** Column Label: Moisture Class

Soil moisture classes are unique to the family classification, though not included specifically in the name, this is a mechanism to provide clear identification of the actual moisture regime.

Column Physical Name: **cokey** Column Label: Component Key

The unique identifier of a record in the Component table. Use this column to join the Component Taxonomic Moisture Class table to the Component table.

Column Physical Name: **cotaxmckey** Column Label: Component Taxonomic Family
Moisture Class Key

A non-connotative string of characters used to uniquely identify a record in the Component Taxonomic Moisture Class table.

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: cotext	Table Label: Component Text
Column Physical Name: recdate	Column Label: Date
<i>The date associated with a particular record, expressed as month, day, year -- xx/xx/xxxx.</i>	
Column Physical Name: comptextkind	Column Label: Kind
<i>A text entry is identified by its kind, category, and subcategory. Kind is the highest division of classification. Text kind provides a grouping of text entries according to their subject matter.</i>	
Column Physical Name: textcat	Column Label: Category
<i>A text entry is identified by its kind, category, and subcategory. Category is a subdivision of kind. "Agr" and "Soi" are two categories for the text kind "Nontechnical Description".</i>	
Column Physical Name: textsubcat	Column Label: Subcategory
<i>A text entry is identified by its kind, category, and subcategory. Subcategory is a subdivision of category. For text kind "Nontechnical" description and text category "Agr", subcategory would correspond to the SSSD field "desnum".</i>	
Column Physical Name: text	Column Label: Text
<i>The actual narrative text portion of a text entry. The other parts of a text entry are its identifiers: kind, category and subcategory.</i>	
Column Physical Name: cokey	Column Label: Component Key
<i>The unique identifier of a record in the Component table. Use this column to join the Component Text table to the Component table.</i>	
Column Physical Name: cotextkey	Column Label: Component Text Key
<i>A non-connnotative string of characters used to uniquely identify a record in the Component Text table.</i>	

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: **cotreestomng**

Table Label: Component Trees To Manage

Column Physical Name: **plantsym**

Column Label Plant Symbol

A unique symbol used to identify a plant genus or a plant species. (The PLANTS Database, USDA-NRCS, National Plant Data Center.)

Column Physical Name: **plantsciname**

Column Label Scientific Name

The full genus and species name as listed in the PLANTS Database, USDA-NRCS, National Plant Data Center.

Column Physical Name: **plantcomname**

Column Label Common Name

A generally accepted common name used for a plant in a geographic region, usually a state.

Column Physical Name: **cokey**

Column Label Component Key

The unique identifier of a record in the Component table. Use this column to join the Component Trees To Manage table to the Component table.

Column Physical Name: **cotreestomngkey**

Column Label Component Trees to Manage Key

A non-connotative string of characters used to uniquely identify a record in the Component Trees To Manage table.

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: **cotxfmother**

Table Label: Component Taxonomic Family Other
Criteria

Column Physical Name: **taxfmother**

Column Label: Family Other

Soil characteristics other than the defined family characteristics of particle-size classes, mineralogy classes, calcareous and reaction classes, and soil temperature classes. These characteristics include depth of soil, consistence, moisture equivalent, slope of soil, and permanent cracks. (Soil Taxonomy)

Column Physical Name: **cokey**

Column Label: Component Key

The unique identifier of a record in the Component table. Use this column to join the Component Taxonomic Family Other Criteria table to the Component table.

Column Physical Name: **cotaxfokey**

Column Label: Component Taxonomic Family Other
Key

A non-connotative string of characters used to uniquely identify a record in the Component Taxonomic Family Other Criteria table.

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: distinterpmd	Table Label: Distribution Interp Metadata
Column Physical Name: rulename	Column Label Rule Name
<i>A user assigned name (typically connotative) for a particular interpretation rule.</i>	
Column Physical Name: ruledesign	Column Label Rule Design
<i>An indicator of the design scheme of the rule. The entry provides an indication of which end of the fuzzy value range, 0 or 1, represents the most limiting features.</i>	
<i>Most interpretive rules are designed such that the most limiting features are those with a fuzzy value closest to 1. However, interpretive rules that are designed to evaluate the favorable features of a soil, such as the suitability as a gravel source, may be written such that the most limiting features are those with a fuzzy value closest to 0.</i>	
Column Physical Name: ruledesc	Column Label Description
<i>A narrative text definition of a rule.</i>	
Column Physical Name: dataafuse	Column Label Ready to use?
<i>Indicates whether or not an object is approved for use.</i>	
Column Physical Name: mrecentrulecwl	Column Label Most Recent Rule Component When Last Updated
<i>The date of the most recently updated component of an interpretation. This date is not necessarily the when last updated date of the interpretation itself. An interpretation may have a subrule, evaluation or property that was updated more recently than the master interpretation (rule) itself. The time of update of an interpretation component (subrule, evaluation, property) in NASIS is not explicitly reflected in other components that may reference the updated component.</i>	
Column Physical Name: rulekey	Column Label Rule Key
<i>The unique identifier of a record in the Rule table in NASIS.</i>	
Column Physical Name: distmdkey	Column Label Distribution Metadata Key
<i>The unique identifier of a record in the Distribution Metadata table. Use this column to join the Distribution Interp Metadata table to the Distribution Metadata table.</i>	
Column Physical Name: distinterpmdkey	Column Label Distribution Interpretation Metadata Key
<i>A non-connotative string of characters used to uniquely identify a record in the Distribution Interp Metadata table.</i>	

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: distlegendmd	Table Label: Distribution Legend Metadata
Column Physical Name: areatype	Column Label: Area Type Name
<i>The name of a particular type of area. Area type names include "state", "county", "mlra", etc.</i>	
Column Physical Name: areasymbol	Column Label: Area Symbol
<i>A symbol that uniquely identifies a single occurrence of a particular type of area (e.g. Lancaster Co., Nebraska is NE109).</i>	
Column Physical Name: areaname	Column Label: Area Name
<i>The name given to the specified geographic area.</i>	
Column Physical Name: ssastatus	Column Label: Survey Status
<i>Identifies the operational activity of a soil survey area and currency of published soil information. Examples are Non-Project, Update and Published.</i>	
<i>As of SSURGO version 2.1, values for this attribute are no longer provided. This attribute will be dropped from the next major SSURGO version.</i>	
Column Physical Name: cordate	Column Label: Correlation Date
<i>The date the final correlation document for a soil survey is signed, expressed as month, year (e.g. 07/1999).</i>	
Column Physical Name: exportcertstatus	Column Label: Export Certification Status
<i>The level of certification assigned to a tabular data package for a particular soil survey area.</i>	
Column Physical Name: exportcertdate	Column Label: Export Certification Date
<i>The date and time that soil survey area tabular data was exported from NASIS.</i>	
Column Physical Name: exportmetadata	Column Label: Export Metadata
<i>Narrative text notes (metadata) associated with the assignment of the tabular data certification status for a particular soil survey area.</i>	
Column Physical Name: lkey	Column Label: Legend Key
<i>The unique identifier of a record in the Legend table. Use this column to join the Distribution Legend Metadata table to the Legend table.</i>	
Column Physical Name: distmdkey	Column Label: Distribution Metadata Key
<i>The unique identifier of a record in the Distribution Metadata table. Use this column to join the Distribution Legend Metadata table to the Distribution Metadata table.</i>	
Column Physical Name: distlegendmdkey	Column Label: Distribution Legend Metadata Key
<i>A non-connotative string of characters used to uniquely identify a record in the Distribution Legend Metadata table.</i>	

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: **distmd**

Table Label: Distribution Metadata

Column Physical Name: **distgendate**

Column Label: Distribution Generation Date

The date and time that a request to export data, which was submitted by a NASIS user, was actually processed.

Column Physical Name: **diststatus**

Column Label: Distribution Status

The current status of a NASIS export request. This status may reflect either a pending request status or a processed request status.

Column Physical Name: **interpmxreasons**

Column Label: Interpretation Maximum Reasons

The maximum number of reasons recorded for the corresponding soil interpretation.

Column Physical Name: **distmdkey**

Column Label: Distribution Metadata Key

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

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: **featdesc**

Table Label: Feature Description

Column Physical Name: **areasympol**

Column Label: Area Symbol

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

Column Physical Name: **spatialversion**

Column Label: Spatial Version

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

Column Physical Name: **featsym**

Column Label: Feature Symbol

A symbol that, within the context of a particular soil survey area, uniquely identifies a point or line spot feature.

Column Physical Name: **featname**

Column Label: Feature Name

A short descriptive name of a point or line spot feature.

Column Physical Name: **featdesc**

Column Label: Feature Description

A narrative description of a point or line spot feature.

Column Physical Name: **featkey**

Column Label: Feature Key

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

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: **featline**

Table Label: Feature Line

Column Physical Name: **areasympol**

Column Label: Area Symbol

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

Column Physical Name: **spatialversion**

Column Label: Spatial Version

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

Column Physical Name: **featsym**

Column Label: Feature Symbol

A symbol that, within the context of a particular soil survey area, uniquely identifies a point or line spot feature.

Column Physical Name: **featkey**

Column Label: Feature Key

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

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: **featpoint**

Table Label: Feature Point

Column Physical Name: **areasympol**

Column Label Area Symbol

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

Column Physical Name: **spatialversion**

Column Label Spatial Version

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

Column Physical Name: **featsym**

Column Label Feature Symbol

A symbol that, within the context of a particular soil survey area, uniquely identifies a point or line spot feature.

Column Physical Name: **featkey**

Column Label Feature Key

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

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: **laoverlap**

Table Label: Legend Area Overlap

Column Physical Name: **areatypename**

Column Label: Area Type Name

The name of a particular type of geographic area with which the soil survey area overlaps or coincides. Examples include "state or territory" and "county or parish".

Column Physical Name: **areasymbol**

Column Label: Area Symbol

The identifying symbol given to the specified geographic area with which the soil survey area overlaps or coincides.

Column Physical Name: **areaname**

Column Label: Area Name

The name of a geographic area with which the soil survey area overlaps or coincides. Examples include the name of a particular state or county.

Column Physical Name: **areaovacres**

Column Label: Overlap Acres

The area overlap of two geographic regions, in acres.

Column Physical Name: **lkey**

Column Label: Legend Key

The unique identifier of a record in the Legend table. Use this column to join the Legend Area Overlap table to the Legend table.

Column Physical Name: **lareaovkey**

Column Label: Legend Area Overlap Key

A non-connnotative string of characters used to uniquely identify a record in the Legend Area Overlap table.

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: legend	Table Label: Legend
Column Physical Name: areatype	Column Label: Area Type Name
<i>The name of a particular type of geographic area to which the legend applies. Examples include "Non-MLRA Soil Survey Area" and "MLRA Soil Survey Area".</i>	
Column Physical Name: areasymbol	Column Label: Area Symbol
<i>The identifying symbol given to the specified geographic area to which the legend applies.</i>	
Column Physical Name: areaname	Column Label: Area Name
<i>The name given to the specified geographic area to which the legend applies.</i>	
Column Physical Name: areaacres	Column Label: Area Acres
<i>The acreage total of all land and water areas in the specified geographic area to which the legend applies. The number listed here is used for administrative purposes and may differ from that measured using GIS software, or other techniques, due to fact that it was assigned to agree with the acreage listed in the NRCS Natural Resource Inventory for the geographic area.</i>	
Column Physical Name: mlraoffice	Column Label: MLRA Office
<i>An NRCS business unit responsible for oversight of soil survey production activities of a particular soil survey area.</i>	
Column Physical Name: legendedesc	Column Label: Legend Description
<i>A short text field used to describe a particular soil survey area legend.</i>	
Column Physical Name: ssastatus	Column Label: Survey Status
<i>Identifies the operational activity of a soil survey area and currency of published soil information. Examples are Non-Project, Update and Published.</i>	
<i>As of SSURGO version 2.1, values for this attribute are no longer provided. This attribute will be dropped from the next major SSURGO version.</i>	
Column Physical Name: mouagencyresp	Column Label: MOU Agency Responsible
<i>The lead agency designated as responsible for a particular soil survey.</i>	
Column Physical Name: projectscale	Column Label: Project Scale
<i>The map scale in which the final map products will be published, expressed as the denominator of the scale, i.e. 24000 = 1:24000.</i>	
Column Physical Name: cordate	Column Label: Correlation Date
<i>The date the final correlation document for a soil survey is signed, expressed as month, year (e.g. 07/1999).</i>	
Column Physical Name: ssurgoarchived	Column Label: SSURGO Archived
<i>The date on which the SSURGO product for a particular soil survey is actually archived, expressed as month, day, year -- xx/xx/xxxx.</i>	
Column Physical Name: legendsuituse	Column Label: Geographic Applicability
<i>Identifies the relative geographic extent over which a legend has the most up-to-date soil survey data.</i>	
<i>As of SSURGO version 2.1, values for this attribute are no longer provided. This attribute will be dropped from the next major SSURGO version.</i>	
Column Physical Name: legendcertstat	Column Label: Legend Certification Status
<i>The level of certification assigned to a legend. Intended to indicate whether or not the legend should be used and the degree of confidence with which it may be used.</i>	
<i>As of SSURGO version 2.1, values for this attribute are no longer provided. This attribute will be dropped from the next major SSURGO version.</i>	

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: **legend**

Table Label: Legend

Column Physical Name: **lkey**

Column Label Legend Key

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

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: legendtext	Table Label: Legend Text
Column Physical Name: recdate	Column Label: Date
<i>The date associated with a particular record, expressed as month, day, year -- xx/xx/xxxx.</i>	
Column Physical Name: legendtextkind	Column Label: Kind
<i>A text entry can be identified by its kind, category, and subcategory. Kind is the highest division of classification. Text kind provides a grouping of text entries according to their subject matter.</i>	
Column Physical Name: textcat	Column Label: Category
<i>A text entry is identified by its kind, category, and subcategory. Category is a subdivision of kind. "Agr" and "Soi" are two categories for the text kind "Nontechnical Description".</i>	
Column Physical Name: textsubcat	Column Label: Subcategory
<i>A text entry is identified by its kind, category, and subcategory. Subcategory is a subdivision of category. For text kind "Nontechnical" description and text category "Agr", subcategory would correspond to the SSSD field "desnum".</i>	
Column Physical Name: text	Column Label: Text
<i>The actual narrative text portion of a text entry. The other parts of a text entry are its identifiers: kind, category and subcategory.</i>	
Column Physical Name: lkey	Column Label: Legend Key
<i>The unique identifier of a record in the Legend table. Use this column to join the Legend Text table to the Legend table.</i>	
Column Physical Name: legtextkey	Column Label: Legend Text Key
<i>A non-connotative string of characters used to uniquely identify a record in the Legend Text table.</i>	

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: mapunit	Table Label: Mapunit
Column Physical Name: musym	Column Label Mapunit Symbol
<i>The symbol used to uniquely identify the soil mapunit in the soil survey.</i>	
Column Physical Name: muname	Column Label Mapunit Name
<i>Correlated name of the mapunit (recommended name or field name for surveys in progress).</i>	
Column Physical Name: mukind	Column Label Kind
<i>Code identifying the kind of mapunit. Example: C - consociation.</i>	
Column Physical Name: mustatus	Column Label Status
<i>Identifies the current status of the map unit.</i>	
<i>As of SSURGO version 2.1, values for this attribute are no longer provided. This attribute will be dropped from the next major SSURGO version.</i>	
Column Physical Name: muacres	Column Label Total Acres
<i>The number of acres of a particular map unit within the geographic area to which the legend applies. The number listed here may differ from that measured using GIS software due to different measuring techniques and rounding practices, or due to the fact that the value has been adjusted so that the sum total of all map units in the legend equals that listed for soil survey area.</i>	
Column Physical Name: mapunitfw_l	Column Label Linear Feature Width - Low Value
Column Physical Name: mapunitfw_r	Column Label Linear Feature Width - Representative Value
Column Physical Name: mapunitfw_h	Column Label Linear Feature Width - High Value
<i>The approximate width of a particular map unit delineation represented by a linear soil feature on a soil map.</i>	
Column Physical Name: mapunitpfa_l	Column Label Point Feature Area - Low Value
Column Physical Name: mapunitpfa_r	Column Label Point Feature Area - Representative Value
Column Physical Name: mapunitpfa_h	Column Label Point Feature Area - High Value
<i>The approximate area of a particular map unit delineation represented by a point feature on a soil map.</i>	
Column Physical Name: farmlndcl	Column Label Farm Class
<i>Identification of map units as prime farmland, farmland of statewide importance, or farmland of local importance.</i>	
Column Physical Name: muhelcl	Column Label HEL
<i>The overall Highly Erodible Lands (HEL) classification for the mapunit based on the rating of its components for wind and water HEL classification.</i>	
Column Physical Name: muwathelcl	Column Label HEL Water
<i>The Highly Erodible Lands (HEL) classification for the mapunit based on the rating of its components for water HEL classification.</i>	
Column Physical Name: muwndhelcl	Column Label HEL Wind
<i>The Highly Erodible Lands (HEL) classification for the mapunit based on the rating of its components for wind HEL classification.</i>	
Column Physical Name: interpfocus	Column Label Interpretive Focus
<i>The targeted landuse for which the Map Unit was developed. The properties of included mapunit components are tailored towards this landuse.</i>	
Column Physical Name: invesintens	Column Label Order of Mapping
<i>The level of detail and relative intensity of field observation under which the map unit was developed. Order 1 indicates the highest intensity, and order 5 the lowest.</i>	

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: **mapunit**

Table Label: Mapunit

Column Physical Name: **iacornsr**

Column Label IA CSR

Corn Suitability Rating (CSR) is an index procedure developed in Iowa to rate each different kind of soil for its row-crop productivity.

Column Physical Name: **nhiforsoigrp**

Column Label NH Forest Soil Grp

Interpretative class for the map unit, based on NH developed interpretations.

Column Physical Name: **nhspiagr**

Column Label NH SPI Agr

New Hampshire Soil Potential Index for Agriculture, 1992 revision. Used for computation of weighted average SPI on a parcel of land for adjustment of current use land assessment.

Column Physical Name: **vtsepticsysl**

Column Label VT Septic System

The interpretive separations, or class, based on the ability of the map unit to support an onsite septic system. (Ancillary Soil Interpretation Ratings For On-site Sewerage Disposal in Vermont)

Column Physical Name: **mucertstat**

Column Label Map Unit Certification Status

The level of certification assigned to a map unit. Intended to indicate whether or not the map unit should be used and the degree of confidence with which it may be used.

As of SSURGO version 2.1, values for this attribute are no longer provided. This attribute will be dropped from the next major SSURGO version.

Column Physical Name: **lkey**

Column Label Legend Key

The unique identifier of a record in the Legend table. Use this column to join the Mapunit table to the Legend table.

Column Physical Name: **mukey**

Column Label Mapunit Key

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

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: **mdstatdomdet**

Table Label: Domain Detail Static Metadata

Column Physical Name: **domainname**

Column Label: Domain Name

The name of the domain to which a column's values are restricted. A domain is a finite list of character strings that a column's value may assume.

Column Physical Name: **choicesequence**

Column Label: Choice Sequence

Specifies the sequence in which the members of a domain should be ordered or displayed.

Column Physical Name: **choice**

Column Label: Choice

A character string that represents a member of a domain. This value must be unique for every member of a given domain.

Column Physical Name: **choicedesc**

Column Label: Choice Description

The narrative text description or definition of a member of a domain.

Column Physical Name: **choiceobsolete**

Column Label: Obsolete Choice?

Indicates if a choice in a choice list or domain is considered "obsolete". If obsolete, data being currently populated would likely use a different choice.

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: **mdstatdommas**

Table Label: Domain Master Static Metadata

Column Physical Name: **domainname**

Column Label: Domain Name

The name of the domain to which a column's values are restricted. A domain is a finite list of character strings that a column's value may assume.

Column Physical Name: **domainmaxlen**

Column Label: Domain Maximum Length

The number of characters in the longest member of a domain. Each member of a domain is an ASCII character string consisting of at least 1 but no more than 254 characters.

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: **mdstatidxdet**

Table Label: Index Detail Static Metadata

Column Physical Name: **tabphname**

Column Label: Table Physical Name

The name that is used to physically implement a table in a database management system. In a database, each table's physical name must be unique.

Column Physical Name: **idxphname**

Column Label: Index Physical Name

The name that is used to physically implement an index in a database management system.

Column Physical Name: **idxcolsequence**

Column Label: Index Column Sequence

Specifies the sequence of a column in a database table index.

Column Physical Name: **colphname**

Column Label: Column Physical Name

The name that is used to physically implement a table column in a database management system. In a database table, each column's physical name must be unique.

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: **mdstatidxmas**

Table Label: Index Master Static Metadata

Column Physical Name: **tabphyname**

Column Label Table Physical Name

The name that is used to physically implement a table in a database management system. In a database, each table's physical name must be unique.

Column Physical Name: **idxphyname**

Column Label Index Physical Name

The name that is used to physically implement an index in a database management system.

Column Physical Name: **uniqueindex**

Column Label Unique Index?

Indicates whether or not all values of an index must be unique, or whether duplicate values may exist.

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: **mdstattrshipdet**

Table Label: Relationship Detail Static Metadata

Column Physical Name: **ltabphysname**

Column Label Left Table Physical Name

The physical name of a table on the left side of a relationship between two tables.

Column Physical Name: **rtabphysname**

Column Label Right Table Physical Name

The physical name of a table on the right side of a relationship between two tables.

Column Physical Name: **relationshipname**

Column Label Relationship Name

A name given to a relationship between two tables. If there is more than one relationship between the same two tables, the name of each of those relationships must be unique.

Column Physical Name: **ltabcolphysname**

Column Label Left Table Column Physical Name

The physical name of a column of a table on the left side of a relationship between two tables. This column is one of several potential columns used to create a join between the two tables involved in a relationship. The left table column joins to its corresponding right table column.

Column Physical Name: **rtabcolphysname**

Column Label Right Table Column Physical Name

The physical name of a column of a table on the right side of a relationship between two tables. This column is one of several potential columns used to create a join between the two tables involved in a relationship. The right table column joins to its corresponding left table column.

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: **mdstattrshipmas**

Table Label: Relationship Master Static Metadata

Column Physical Name: **ltabphyname**

Column Label Left Table Physical Name

The physical name of a table on the left side of a relationship between two tables.

Column Physical Name: **rtabphyname**

Column Label Right Table Physical Name

The physical name of a table on the right side of a relationship between two tables.

Column Physical Name: **relationshipname**

Column Label Relationship Name

A name given to a relationship between two tables. If there is more than one relationship between the same two tables, the name of each of those relationships must be unique.

Column Physical Name: **cardinality**

Column Label Cardinality

Indicates whether the relationship between the left table and right table is one to one (left is one, right is one) or one to many (left is one, right is many). For a one to one relationship, a record in the left table is related to no more than one record in the right table. For a one to many relationship, a record in the left table may be related to more than one record in the right table. Neither cardinality implies that a record in the left table necessarily has a corresponding record in the right table.

Column Physical Name: **mandatory**

Column Label Mandatory?

Indicates if in order for a record to exist in the right table of a relationship, a corresponding record must exist in the left table of that relationship, i.e. mandatory = "yes". In other words, when mandatory is "no", a record may exist in the right table of a relationship without having a corresponding record in the left table of that relationship.

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: mdstatabcols	Table Label: Table Column Static Metadata
Column Physical Name: tabphname	Column Label: Table Physical Name
<i>The name that is used to physically implement a table in a database management system. In a database, each table's physical name must be unique.</i>	
Column Physical Name: colsequence	Column Label: Column Sequence
<i>Specifies the sequence of the columns in a database table.</i>	
Column Physical Name: colphname	Column Label: Column Physical Name
<i>The name that is used to physically implement a table column in a database management system. In a database table, each column's physical name must be unique.</i>	
Column Physical Name: collogname	Column Label: Column Logical Name
<i>A name associated with a column that is more connotative than the column's corresponding physical name. For a SSURGO table, every column's logical name must be unique, making a column's logical name a suitable alias for identifying a column. For SSURGO, column logical names are lower case character strings with no embedded blanks, where individual parts of the logical name may be separated using the underscore character.</i>	
Column Physical Name: collabel	Column Label: Column Label
<i>A descriptive label associated with a column. For a SSURGO table, every column's label must be unique, making a column's label a suitable alias for identifying a column. For SSURGO, column labels are typically mixed case character strings with embedded blanks.</i>	
Column Physical Name: logicaldatatype	Column Label: Logical Data Type
<i>A column's logical data type is its generic, software independent data type. Since the SSURGO standard does not correspond to any specific database management system (DBMS), the SSURGO metadata records only logical data types. How a logical data type can be physically implemented varies from DBMS to DBMS.</i>	
Column Physical Name: notnull	Column Label: Not Null?
<i>Indicates whether or not the value of a column in a database table may be null.</i>	
Column Physical Name: fieldsize	Column Label: Field Size
<i>The maximum allowable length of a column whose logical data type is "string".</i>	
Column Physical Name: precision	Column Label: Precision
<i>The number of decimal digits that should be displayed for a column whose logical data type is "float".</i>	
Column Physical Name: minimum	Column Label: Minimum
<i>The minimum allowable value of a column.</i>	
Column Physical Name: maximum	Column Label: Maximum
<i>The maximum allowable value of a column.</i>	
Column Physical Name: uom	Column Label: Unit of Measure
<i>The units of measure in which a column is recorded.</i>	
Column Physical Name: domainname	Column Label: Domain Name
<i>The name of the domain to which a column's values are restricted. A domain is a finite list of character strings that a column's value may assume.</i>	
Column Physical Name: coldesc	Column Label: Column Description
<i>The narrative text description or definition of a column.</i>	

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: **mdstattabs**

Table Label: Table Static Metadata

Column Physical Name: **tabphname**

Column Label: Table Physical Name

The name that is used to physically implement a table in a database management system. In a database, each table's physical name must be unique.

Column Physical Name: **tablogname**

Column Label: Table Logical Name

A name associated with a database table that is more connotative than the table's corresponding physical name. For SSURGO, every table's logical name must be unique, making a table's logical name a suitable alias for identifying a table. For SSURGO, table logical names are lower case character strings with no embedded blanks, where individual parts of the logical name may be separated using the underscore character.

Column Physical Name: **tablabel**

Column Label: Table Label

A descriptive label associated with a database table. For SSURGO, every table's label must be unique, making a table's label a suitable alias for identifying a table. For SSURGO, table labels are typically mixed case character strings with embedded blanks.

Column Physical Name: **tabdesc**

Column Label: Table Description

A narrative text description of what a database table represents or records.

Column Physical Name: **iefilename**

Column Label: Import/Export File Name

The base part of the file name of a table's associated ASCII pipe delimited import/export file. The complete name of a table's associated import/export file is the base name followed by the characters ".txt". For example, if the base name is "alpha", the name of the associated import/export file is "alpha.txt".

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: muaggatt	Table Label: Mapunit Aggregated Attribute
Column Physical Name: musym	Column Label Mapunit Symbol
<i>The symbol used to uniquely identify the soil mapunit in the soil survey.</i>	
Column Physical Name: muname	Column Label Mapunit Name
<i>Correlated name of the mapunit (recommended name or field name for surveys in progress).</i>	
Column Physical Name: mustatus	Column Label Status
<i>Identifies the current status of the map unit.</i>	
<i>As of SSURGO version 2.1, values for this attribute are no longer provided. This attribute will be dropped from the next major SSURGO version.</i>	
Column Physical Name: slopegraddcp	Column Label Slope Gradient - Dominant Component
<i>The difference is elevation between two points, expressed as a percentage of the distance between those points. This column displays the slope gradient of the dominant component of the map unit based on composition percentage.</i>	
Column Physical Name: slopegradwta	Column Label Slope Gradient - Weighted Average
<i>The difference is elevation between two points, expressed as a percentage of the distance between those points. This column displays the weighted average slope gradient of all components in the map unit.</i>	
Column Physical Name: brockdepmin	Column Label Bedrock Depth - Minimum
<i>The distance from the soil surface to the top of a bedrock layer, expressed as a shallowest depth of components whose composition in the map unit is equal to or exceeds 15%.</i>	
Column Physical Name: wtdepannmin	Column Label Water Table Depth - Annual - Minimum
<i>The shallowest depth to a wet soil layer (water table) at any time during the year expressed as centimeters from the soil surface, for components whose composition in the map unit is equal to or exceeds 15%.</i>	
Column Physical Name: wtdepaprjunmin	Column Label Water Table Depth - April - June - Minimum
<i>The shallowest depth to a wet soil layer (water table) during the months of April through June expressed in centimeters from the soil surface for components whose composition in the map unit is equal to or exceeds 15%.</i>	
Column Physical Name: floodfreqdcd	Column Label Flooding Frequency - Dominant Condition
<i>The annual probability of a flood event expressed as a class. This column displays the dominant flood frequency class for the map unit, based on composition percentage of map unit components whose composition in the map unit is equal to or exceeds 15%.</i>	
Column Physical Name: floodfreqmax	Column Label Flooding Frequency - Maximum
<i>The annual probability of a flood event expressed as a class. This column displays the highest probability class assigned to an individual component of the map unit whose composition in the map unit is equal to or exceeds 15%.</i>	
Column Physical Name: pondfreqprs	Column Label Ponding Frequency - Presence
<i>The percentage of the map unit that is subject to water being ponded on the soil surface, expressed as one of four classes: 0-14%, 15-49%, 50-74% or 75-100%.</i>	
Column Physical Name: aws025wta	Column Label Available Water Storage 0-25 cm - Weighted Average
<i>Available water storage (AWS). The volume of water that the soil, to a depth of 25 centimeters, can store that is available to plants. It is reported as the weighted average of all components in the map unit, and is expressed as centimeters of water.</i>	
<i>AWS is calculated from AWC (available water capacity) which is commonly estimated as the difference between the water contents at 1/10 or 1/3 bar (field capacity) and 15 bars (permanent wilting point) tension, and adjusted for salinity and fragments.</i>	

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: **muaggatt**

Table Label: Mapunit Aggregated Attribute

Column Physical Name: **aws050wta**

Column Label Available Water Storage 0-50 cm -
Weighted Average

Available water storage (AWS). The volume of water that the soil, to a depth of 50 centimeters, can store that is available to plants. It is reported as the weighted average of all components in the map unit, and is expressed as centimeters of water.

AWS is calculated from AWC (available water capacity) which is commonly estimated as the difference between the water contents at 1/10 or 1/3 bar (field capacity) and 15 bars (permanent wilting point) tension, and adjusted for salinity and fragments.

Column Physical Name: **aws0100wta**

Column Label Available Water Storage 0-100 cm -
Weighted Average

Available water storage (AWS). The volume of water that the soil, to a depth of 100 centimeters, can store that is available to plants. It is reported as the weighted average of all components in the map unit, and is expressed as centimeters of water.

AWS is calculated from AWC (available water capacity) which is commonly estimated as the difference between the water contents at 1/10 or 1/3 bar (field capacity) and 15 bars (permanent wilting point) tension, and adjusted for salinity and fragments.

Column Physical Name: **aws0150wta**

Column Label Available Water Storage 0-150 cm -
Weighted Average

Available water storage (AWS). The volume of water that the soil, to a depth of 150 centimeters, can store that is available to plants. It is reported as the weighted average of all components in the map unit, and is expressed as centimeters of water.

AWS is calculated from AWC (available water capacity) which is commonly estimated as the difference between the water contents at 1/10 or 1/3 bar (field capacity) and 15 bars (permanent wilting point) tension, and adjusted for salinity and fragments.

Column Physical Name: **drclassdcd**

Column Label Drainage Class - Dominant Condition

The natural drainage condition of the soil refers to the frequency and duration of wet periods. This column displays the dominant drainage class for the map unit, based on composition percentage of each map unit component.

Column Physical Name: **drclasswetest**

Column Label Drainage Class - Wettest

The natural drainage condition of the soil refers to the frequency and duration of wet periods. This column displays the wettest drainage class assigned to an individual component of the map unit whose composition in the map unit is equal to or exceeds 15%.

Column Physical Name: **hydgrpdc**

Column Label Hydrologic Group - Dominant
Conditions

Hydrologic Group is a grouping of soils that have similar runoff potential under similar storm and cover conditions. This column displays the dominant hydrologic group for the map unit, based on composition percentage of each map unit component.

Column Physical Name: **iccdcd**

Column Label Irrigated Capability Class - Dominant
Condition

The broadest category in the land capability classification system for soils. This column displays the dominant capability class, under irrigated conditions, for the map unit based on composition percentage of all components in the map unit.

Column Physical Name: **iccdcdpct**

Column Label Irrigated Capability Class - Dominant
Condition Aggregate Percent

The percent composition of the map unit that has the capability class displayed in the Irrigated Capability Class

Column Physical Name: **niccdcd**

Column Label Non-Irrigated Capability Class -
Dominant Condition

The broadest category in the land capability classification system for soils. This column displays the dominant capability class, under non-irrigated conditions, for the map unit based on composition percentage of all components in the map unit.

Column Physical Name: **niccdcdpct**

Column Label Non-Irrigated Capability Class -
Dominant Condition Aggregate Percent

The percent composition of the map unit that has the capability class displayed in the Non-Irrigated Capability Class - Dominant Condition column.

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

<p>Table Physical Name: muaggatt</p>	<p>Table Label: Mapunit Aggregated Attribute</p>
<p>Column Physical Name: engdwobdcd</p> <p><i>The rating of the map unit as a site for dwellings without basements, expressed as the dominant rating class for the map unit, based on composition percentage of each map unit component.</i></p>	<p>Column Label ENG - Dwellings W/O Basements - Dominant Condition</p>
<p>Column Physical Name: engdwbdcd</p> <p><i>The rating of the map unit as a site for dwellings with basements, expressed as the dominant rating class for the map unit, based on composition percentage of each map unit component.</i></p>	<p>Column Label ENG - Dwellings with Basements - Dominant Condition</p>
<p>Column Physical Name: engdwbll</p> <p><i>The rating of the map unit as a site for dwellings with basements, expressed as the least limiting rating class for the map unit, based on the evaluation of each component in the map unit.</i></p>	<p>Column Label ENG - Dwellings with Basements - Least Limiting</p>
<p>Column Physical Name: engdwbml</p> <p><i>The rating of the map unit as a site for dwellings with basements, expressed as the most limiting rating class for the map unit, based on the evaluation of each component in the map unit.</i></p>	<p>Column Label ENG - Dwellings with Basements - Most Limiting</p>
<p>Column Physical Name: engstafdcd</p> <p><i>The rating of the map unit as a site for septic tank absorption fields, expressed as the dominant rating class for the map unit, based on composition percentage of each map unit component.</i></p>	<p>Column Label ENG - Septic Tank Absorption Fields - Dominant Condition</p>
<p>Column Physical Name: engstafll</p> <p><i>The rating of the map unit as a site for septic tank absorption fields, expressed as the least limiting rating class for the map unit, based on the evaluation of each component in the map unit.</i></p>	<p>Column Label ENG - Septic Tank Absorption Fields - Least Limiting</p>
<p>Column Physical Name: engstafml</p> <p><i>The rating of the map unit as a site for septic tank absorption fields, expressed as the most limiting rating class for the map unit, based on the evaluation of each component in the map unit.</i></p>	<p>Column Label ENG - Septic Tank Absorption Fields - Most Limiting</p>
<p>Column Physical Name: engslldcd</p> <p><i>The rating of the map unit as a site for sewage lagoons, expressed as the dominant rating class for the map unit, based on composition percentage of each map unit component.</i></p>	<p>Column Label ENG - Sewage Lagoons - Dominant Condition</p>
<p>Column Physical Name: engslldcp</p> <p><i>The rating of the map unit as a site for sewage lagoons, expressed as the rating class for the dominant component in the map unit, based on composition percentage of each map unit component.</i></p>	<p>Column Label ENG - Sewage Lagoons - Dominant Component</p>
<p>Column Physical Name: englrstdcd</p> <p><i>The rating of the map unit as a site for local roads and streets, expressed as the dominant rating class for the map unit, based on composition percentage of each map unit component.</i></p>	<p>Column Label ENG - Local Roads and Streets - Dominant Condition</p>
<p>Column Physical Name: engcmssdcd</p> <p><i>The rating of the map unit as a source of sand, expressed as the dominant class for the map unit, based on composition percentage of each map unit component.</i></p>	<p>Column Label ENG - Construction Materials; Sand Source - Dominant Condition</p>
<p>Column Physical Name: engcmssmp</p>	<p>Column Label ENG - Construction Materials; Sand Source - Most Probable</p>

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: **muaggatt**

Table Label: Mapunit Aggregated Attribute

The rating of the map unit as a source of sand, expressed as the most probable class for the map unit, based on the evaluation of each component whose composition in the map unit is equal to or exceeds 15%.

Column Physical Name: **urbrecptdcd**

Column Label URB/REC - Paths and Trails -
Dominant Condition

The rating of the map unit as a site for paths and trails, expressed as the dominant rating class for the map unit, based on composition percentage of each map unit component.

Column Physical Name: **urbrecptwta**

Column Label URB/REC - Paths and Trails -
Weighted Average

The relative rating of the map unit for use as paths and trails, expressed as a weighted average of numerical ratings for individual soil components in the map unit. The ratings are on a scale of 0.0 to 1.0, with the higher values indicating more limitations.

Column Physical Name: **forpehrtcdp**

Column Label FOR - Potential Erosion Hazard
(Road/Trail) - Dominant Component

The relative potential erosion hazard for the map unit when used as a site for forest roads and trails, expressed as the rating class for the dominant component in the map unit, based on composition percentage of each map unit component.

Column Physical Name: **hydclprs**

Column Label Hydric Classification - Presence

An indication of the proportion of the map unit, expressed as a class, that is "hydric", based on the hydric classification of individual map unit components.

Column Physical Name: **awmmfpwta**

Column Label AWM - Manure and Food Processing
Waste - Weighted Average

The relative rating of the map unit for use as a disposal site of Manure and Food Processing Wastes, expressed as a weighted average of numerical ratings for individual components in the map unit. The ratings are on a scale of 0.0 to 1.0, with the higher values indicating increasing limitations.

Column Physical Name: **mukey**

Column Label Mapunit Key

The unique identifier of a record in the Mapunit table. It also serves as the non-connotative string of characters used to uniquely identify a record in the Mapunit Aggregated Attribute table as there is a one-to-one relationship between records in these two tables. Use this column to join the Mapunit Aggregated Attribute table to the Mapunit table.

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: **muaoverlap**

Table Label: Mapunit Area Overlap

Column Physical Name: **areaovacres**

Column Label: Overlap Acres

The extent, in acres, of the map unit within the geographic area referenced in the Legend Area Overlap table.

Column Physical Name: **lareaovkey**

Column Label: Legend Area Overlap Key

The unique identifier of a record in the Legend Area Overlap Table. Use this column to join the Mapunit Area Overlap table to the Legend Area Overlap table.

Column Physical Name: **mukey**

Column Label: Mapunit Key

The unique identifier of a record in the Mapunit table. Use this column to join the Mapunit Area Overlap table to the Mapunit table.

Column Physical Name: **muareaovkey**

Column Label: Mapunit Area Overlap Key

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

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: mucropyld	Table Label: Mapunit Crop Yield
Column Physical Name: cropname <i>The common name for the crop.</i>	Column Label: Crop Name
Column Physical Name: yldunits <i>Crop yield units per unit area for the specified crop.</i>	Column Label: Units
Column Physical Name: nonirryield_l	Column Label: Nirr Yield - Low Value
Column Physical Name: nonirryield_r	Column Label: Nirr Yield - Representative Value
Column Physical Name: nonirryield_h <i>The expected yield per acre of the specific crop without supplemental irrigation.</i>	Column Label: Nirr Yield - High Value
Column Physical Name: irryield_l	Column Label: Irr Yield - Low Value
Column Physical Name: irryield_r	Column Label: Irr Yield - Representative Value
Column Physical Name: irryield_h <i>The expected yield per acre of the specific crop with irrigation.</i>	Column Label: Irr Yield - High Value
Column Physical Name: mukey <i>The unique identifier of a record in the Mapunit table. Use this column to join the Mapunit Crop Yield table to the Mapunit table.</i>	Column Label: Mapunit Key
Column Physical Name: mucrpyldkey <i>A non-connotative string of characters used to uniquely identify a record in the Mapunit Crop Yield table.</i>	Column Label: Mapunit Crop Yield Key

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: **muline**

Table Label: Mapunit Line

Column Physical Name: **areasymbol**

Column Label: Area Symbol

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

Column Physical Name: **spatialversion**

Column Label: Spatial Version

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

Column Physical Name: **musym**

Column Label: Mapunit Symbol

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

Column Physical Name: **mukey**

Column Label: Mapunit Key

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

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: **mupoint**

Table Label: Mapunit Point

Column Physical Name: **areasymbol**

Column Label Area Symbol

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

Column Physical Name: **spatialversion**

Column Label Spatial Version

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

Column Physical Name: **musym**

Column Label Mapunit Symbol

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

Column Physical Name: **mukey**

Column Label Mapunit Key

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

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: **mupolygon**

Table Label: Mapunit Polygon

Column Physical Name: **areasymbol**

Column Label Area Symbol

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

Column Physical Name: **spatialversion**

Column Label Spatial Version

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

Column Physical Name: **musym**

Column Label Mapunit Symbol

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

Column Physical Name: **mukey**

Column Label Mapunit Key

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

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: mutext	Table Label: Mapunit Text
Column Physical Name: recdate	Column Label: Date
<i>The date associated with a particular record, expressed as month, day, year -- xx/xx/xxxx.</i>	
Column Physical Name: mapunittextkind	Column Label: Kind
<i>Text kind provides a grouping of text entries according to their subject matter. For example, the text kind "edit notes" groups text entries that deal with adding or changing data.</i>	
Column Physical Name: textcat	Column Label: Category
<i>A text entry is identified by its kind, category, and subcategory. Category is a subdivision of kind. "Agr" and "Soi" are two categories for the text kind "Nontechnical Description".</i>	
Column Physical Name: textsubcat	Column Label: Subcategory
<i>A text entry is identified by its kind, category, and subcategory. Subcategory is a subdivision of category. For text kind "Nontechnical" description and text category "Agr", subcategory would correspond to the SSSD field "desnum".</i>	
Column Physical Name: text	Column Label: Text
<i>The actual narrative text portion of a text entry. The other parts of a text entry are its identifiers: kind, category and subcategory.</i>	
Column Physical Name: mukey	Column Label: Mapunit Key
<i>The unique identifier of a record in the Mapunit table. Use this column to join the Mapunit Text table to the Mapunit table.</i>	
Column Physical Name: mutextkey	Column Label: Mapunit Text Key
<i>A non-connotative string of characters used to uniquely identify a record in the Mapunit Text table.</i>	

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: sacatalog	Table Label: Survey Area Catalog
Column Physical Name: areasymbol	Column Label: Area Symbol
<i>A symbol that uniquely identifies a single occurrence of a particular type of area (e.g. Lancaster Co., Nebraska is NE109).</i>	
Column Physical Name: areaname	Column Label: Area Name
<i>The name given to the specified geographic area.</i>	
Column Physical Name: saversion	Column Label: Survey Area Version
<i>A sequential integer number used to denote the overall serial version of the data (tabular and/or spatial) for a soil survey area.</i>	
Column Physical Name: saverest	Column Label: Survey Area Version Established
<i>The date and time that a particular version of data (tabular and/or spatial) for the soil survey area was established.</i>	
Column Physical Name: tabularversion	Column Label: Tabular Version
<i>A sequential integer number used to denote the serial version of the tabular data for a soil survey area.</i>	
Column Physical Name: tabularverest	Column Label: Tabular Version Established
<i>The date and time that a particular version of tabular data for the soil survey area was established.</i>	
Column Physical Name: tabnasisexportdate	Column Label: Tabular NASIS Export Date
<i>The date and time that soil survey area tabular data was exported from NASIS.</i>	
Column Physical Name: tabcertstatus	Column Label: Tabular Certification Status
<i>The level of certification assigned to a tabular data package for a particular soil survey area.</i>	
Column Physical Name: tabcertstatusdesc	Column Label: Tabular Certification Status Description
<i>Narrative text notes (metadata) associated with the assignment of the tabular data certification status for a particular soil survey area.</i>	
Column Physical Name: fgdcmetadata	Column Label: FGDC Metadata
<i>The FGDC (Federal Geographic Data Committee) spatial and/or tabular metadata for the corresponding soil survey area, in XML format.</i>	
Column Physical Name: sacatalogkey	Column Label: Survey Area Catalog Key
<i>A non-connotative string of characters used to uniquely identify a record in the Survey Area Catalog table.</i>	

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: sainterp	Table Label: Survey Area Interpretation
Column Physical Name: areasymbol	Column Label: Area Symbol
<i>A symbol that uniquely identifies a single occurrence of a particular type of area (e.g. Lancaster Co., Nebraska is NE109).</i>	
Column Physical Name: interpname	Column Label: Interpretation Name
<i>The connotative name of an interpretation.</i>	
Column Physical Name: interptype	Column Label: Interpretation Type
<i>Indicates if the corresponding interpretation is designed as a limitation, suitability or class.</i>	
Column Physical Name: interpdesc	Column Label: Interpretation Description
<i>A narrative text description of the logic used to generate an interpretation.</i>	
Column Physical Name: interpdesigndate	Column Label: Interpretation Design Date
<i>The date and time that the logic of an interpretation was last modified.</i>	
Column Physical Name: interpgendate	Column Label: Interpretation Generation Date
<i>The date and time that the corresponding interpretive results for this interpretation were generated.</i>	
Column Physical Name: interpmaxreasons	Column Label: Interpretation Maximum Reasons
<i>The maximum number of reasons recorded for the corresponding soil interpretation.</i>	
Column Physical Name: sacatalogkey	Column Label: Survey Area Catalog Key
<i>A non-connotative string of characters used to uniquely identify a record in the Survey Area Catalog table.</i>	
Column Physical Name: sainterpkey	Column Label: Survey Area Interpretation Key
<i>A non-connotative string of characters used to uniquely identify a record in the Survey Area Interpretation table.</i>	

SSURGO Metadata - Table Column Descriptions

SSURGO Metadata Version: 2.1.1

Table Physical Name: **sapolygon**

Table Label: Survey Area Polygon

Column Physical Name: **areasymbol**

Column Label Area Symbol

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

Column Physical Name: **spatialversion**

Column Label Spatial Version

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

Column Physical Name: **lkey**

Column Label Legend Key

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