# SSURGO 2.2.6
## Tables and Columns

Table Physical Name: chaashto
Table Label: Horizon AASHTO

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | aashtocl | AASHTO | Choice | Varchar | No | 254 | | | | | aashto_group_classification |
| 2 | rvindicator | RV? | Boolean | Varchar | Yes | 3 | | | | | |
| 3 | chkey | Chorizon Key | String | Varchar | Yes | 30 | | | | | |
| 4 | chaashtokey | Chorizon AASHTO Key | String | Varchar | Yes | 30 | | | | | |

The Horizon AASHTO table contains the American Association of State Highway Transportation Officials classification(s) for the referenced horizon. One row in this table is marked as the representative AASHTO classification for the horizon.

# SSURGO 2.2.6
## Tables and Columns

Table Physical Name: chconsistence
Table Label: Horizon Consistence

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | rupresblkmst | Rupture Moist | Choice | Varchar | No | 254 | | | | | rupture_resist_block_moist |
| 2 | rupresblkdry | Rupture Dry | Choice | Varchar | No | 254 | | | | | rupture_resist_block_dry |
| 3 | rupresblkcem | Rupture Cement | Choice | Varchar | No | 254 | | | | | rupture_resist_block_cem |
| 4 | rupresplate | Rupture Plate | Choice | Varchar | No | 254 | | | | | rupture_resist_plate |
| 5 | mannerfailure | Manner of Failure | Choice | Varchar | No | 254 | | | | | manner_of_failure |
| 6 | stickiness | Stickiness | Choice | Varchar | No | 254 | | | | | stickiness |
| 7 | plasticity | Plasticity | Choice | Varchar | No | 254 | | | | | plasticity |
| 8 | rvindicator | RV? | Boolean | Varchar | Yes | 3 | | | | | |
| 9 | chkey | Chorizon Key | String | Varchar | Yes | 30 | | | | | |
| 10 | chconsistkey | Chorizon Consistence Key | String | Varchar | Yes | 30 | | | | | |

The Horizon Consistence table contains descriptive terms of soil consistence -- rupture resistance, plasticity, and stickiness -- for the referenced horizon. One row in this table is marked as having the representative characteristics for the horizon.

# SSURGO 2.2.6
## Tables and Columns

Table Physical Name: chdesgnsuffix
Table Label: Horizon Designation Suffix

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | desgnsuffix | Suffix | Choice | Varchar | No | 254 | | | | | horz_desgn_letter_suffix |
| 2 | chkey | Chorizon Key | String | Varchar | Yes | 30 | | | | | |
| 3 | chdesgnsfxkey | Chorizon Designation Suffix Key | String | Varchar | Yes | 30 | | | | | |

The Horizon Designation Suffix table contains the designation suffix(es), one per row, for the referenced horizon. For example, the "h" and "s" of a Bhs horizon appear as two rows in this table.

Table Physical Name: chfrags
Table Label: Horizon Fragments

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | fragvol_l | Low | Integer | Smallint | No | | | 0 | 100 | percent | |
| 2 | fragvol_r | RV | Integer | Smallint | No | | | 0 | 100 | percent | |
| 3 | fragvol_h | High | Integer | Smallint | No | | | 0 | 100 | percent | |
| 4 | fragkind | Kind | Choice | Varchar | No | 254 | | | | | fragment_kind |
| 5 | fragsize_l | Low | Integer | Smallint | No | | | 2 | 3000 | mm | |
| 6 | fragsize_r | RV | Integer | Smallint | No | | | 2 | 3000 | mm | |
| 7 | fragsize_h | High | Integer | Smallint | No | | | 2 | 3000 | mm | |
| 8 | fragshp | Shape | Choice | Varchar | No | 254 | | | | | fragment_shape |
| 9 | fraground | Roundness | Choice | Varchar | No | 254 | | | | | fragment_roundness |
| 10 | fraghard | Hardness | Choice | Varchar | No | 254 | | | | | rupture_resist_block_cem |
| 11 | chkey | Chorizon Key | String | Varchar | Yes | 30 | | | | | |
| 12 | chfragskey | Chorizon Fragments Key | String | Varchar | Yes | 30 | | | | | |

The Horizon Fragments table lists the mineral and organic fragments that generally occur in the referenced horizon. If the Volume % is greater than zero (low=5, RV=10, high=15) in a row, the kind and size of fragment in that row exists everywhere this horizon and component occur in the map unit. If the Volume % includes zero (low=0, RV=5, high=10), the kind and size of fragment may exist in some places, but not in others.

# SSURGO 2.2.6
## Tables and Columns

Table Physical Name: chorizon
Table Label: Horizon

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | hzname | Designation | String | Varchar | No | 12 | | | | | |
| 2 | desgndisc | Disc | Integer | Smallint | No | | | 2 | 99 | | |
| 3 | desgnmaster | Master | Choice | Varchar | No | 254 | | | | | horz_desgn_master |
| 4 | desgnmasterprime | Prime | Choice | Varchar | No | 254 | | | | | horz_desgn_master_prime |
| 5 | desgnvert | Sub | Integer | Smallint | No | | | 1 | | | |
| 6 | hzdept_l | Low | Integer | Smallint | No | | | 0 | 9999 | cm | |
| 7 | hzdept_r | RV | Integer | Smallint | No | | | 0 | 9999 | cm | |
| 8 | hzdept_h | High | Integer | Smallint | No | | | 0 | 9999 | cm | |
| 9 | hzdepb_l | Low | Integer | Smallint | No | | | 0 | 9999 | cm | |
| 10 | hzdepb_r | RV | Integer | Smallint | No | | | 0 | 9999 | cm | |
| 11 | hzdepb_h | High | Integer | Smallint | No | | | 0 | 9999 | cm | |
| 12 | hzthk_l | Low | Integer | Smallint | No | | | 0 | 9999 | cm | |
| 13 | hzthk_r | RV | Integer | Smallint | No | | | 0 | 9999 | cm | |
| 14 | hzthk_h | High | Integer | Smallint | No | | | 0 | 9999 | cm | |
| 15 | fraggt10_l | Low | Integer | Smallint | No | | | 0 | 100 | percent | |
| 16 | fraggt10_r | RV | Integer | Smallint | No | | | 0 | 100 | percent | |
| 17 | fraggt10_h | High | Integer | Smallint | No | | | 0 | 100 | percent | |
| 18 | frag3to10_l | Low | Integer | Smallint | No | | | 0 | 100 | percent | |
| 19 | frag3to10_r | RV | Integer | Smallint | No | | | 0 | 100 | percent | |
| 20 | frag3to10_h | High | Integer | Smallint | No | | | 0 | 100 | percent | |
| 21 | sieveno4_l | Low | Float | Real | No | | 1 | 0 | 100 | percent | |
| 22 | sieveno4_r | RV | Float | Real | No | | 1 | 0 | 100 | percent | |
| 23 | sieveno4_h | High | Float | Real | No | | 1 | 0 | 100 | percent | |
| 24 | sieveno10_l | Low | Float | Real | No | | 1 | 0 | 100 | percent | |
| 25 | sieveno10_r | RV | Float | Real | No | | 1 | 0 | 100 | percent | |
| 26 | sieveno10_h | High | Float | Real | No | | 1 | 0 | 100 | percent | |
| 27 | sieveno40_l | Low | Float | Real | No | | 1 | 0 | 100 | percent | |
| 28 | sieveno40_r | RV | Float | Real | No | | 1 | 0 | 100 | percent | |
| 29 | sieveno40_h | High | Float | Real | No | | 1 | 0 | 100 | percent | |
| 30 | sieveno200_l | Low | Float | Real | No | | 1 | 0 | 100 | percent | |
| 31 | sieveno200_r | RV | Float | Real | No | | 1 | 0 | 100 | percent | |
| 32 | sieveno200_h | High | Float | Real | No | | 1 | 0 | 100 | percent | |

Table Physical Name: chorizon
Table Label: Horizon

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 33 | sandtotal_l | Low | Float | Real | No | | 1 | 0 | 100 | percent | |
| 34 | sandtotal_r | RV | Float | Real | No | | 1 | 0 | 100 | percent | |
| 35 | sandtotal_h | High | Float | Real | No | | 1 | 0 | 100 | percent | |
| 36 | sandvc_l | Low | Float | Real | No | | 1 | 0 | 100 | percent | |
| 37 | sandvc_r | RV | Float | Real | No | | 1 | 0 | 100 | percent | |
| 38 | sandvc_h | High | Float | Real | No | | 1 | 0 | 100 | percent | |
| 39 | sandco_l | Low | Float | Real | No | | 1 | 0 | 100 | percent | |
| 40 | sandco_r | RV | Float | Real | No | | 1 | 0 | 100 | percent | |
| 41 | sandco_h | High | Float | Real | No | | 1 | 0 | 100 | percent | |
| 42 | sandmed_l | Low | Float | Real | No | | 1 | 0 | 100 | percent | |
| 43 | sandmed_r | RV | Float | Real | No | | 1 | 0 | 100 | percent | |
| 44 | sandmed_h | High | Float | Real | No | | 1 | 0 | 100 | percent | |
| 45 | sandfine_l | Low | Float | Real | No | | 1 | 0 | 100 | percent | |
| 46 | sandfine_r | RV | Float | Real | No | | 1 | 0 | 100 | percent | |
| 47 | sandfine_h | High | Float | Real | No | | 1 | 0 | 100 | percent | |
| 48 | sandvf_l | Low | Float | Real | No | | 1 | 0 | 100 | percent | |
| 49 | sandvf_r | RV | Float | Real | No | | 1 | 0 | 100 | percent | |
| 50 | sandvf_h | High | Float | Real | No | | 1 | 0 | 100 | percent | |
| 51 | silttotal_l | Low | Float | Real | No | | 1 | 0 | 100 | percent | |
| 52 | silttotal_r | RV | Float | Real | No | | 1 | 0 | 100 | percent | |
| 53 | silttotal_h | High | Float | Real | No | | 1 | 0 | 100 | percent | |
| 54 | siltco_l | Low | Float | Real | No | | 1 | 0 | 100 | percent | |
| 55 | siltco_r | RV | Float | Real | No | | 1 | 0 | 100 | percent | |
| 56 | siltco_h | High | Float | Real | No | | 1 | 0 | 100 | percent | |
| 57 | siltfine_l | Low | Float | Real | No | | 1 | 0 | 100 | percent | |
| 58 | siltfine_r | RV | Float | Real | No | | 1 | 0 | 100 | percent | |
| 59 | siltfine_h | High | Float | Real | No | | 1 | 0 | 100 | percent | |
| 60 | claytotal_l | Low | Float | Real | No | | 1 | 0 | 100 | percent | |
| 61 | claytotal_r | RV | Float | Real | No | | 1 | 0 | 100 | percent | |
| 62 | claytotal_h | High | Float | Real | No | | 1 | 0 | 100 | percent | |
| 63 | claysizedcarb_l | Low | Float | Real | No | | 1 | 0 | 100 | percent | |
| 64 | claysizedcarb_r | RV | Float | Real | No | | 1 | 0 | 100 | percent | |

Table Physical Name: chorizon
Table Label: Horizon

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 65 | claysizedcarb_h | High | Float | Real | No | | 1 | 0 | 100 | percent | |
| 66 | om_l | Low | Float | Real | No | | 2 | 0 | 100 | percent | |
| 67 | om_r | RV | Float | Real | No | | 2 | 0 | 100 | percent | |
| 68 | om_h | High | Float | Real | No | | 2 | 0 | 100 | percent | |
| 69 | dbtenthbar_l | Low | Float | Real | No | | 2 | 0.02 | 2.6 | g/cm3 | |
| 70 | dbtenthbar_r | RV | Float | Real | No | | 2 | 0.02 | 2.6 | g/cm3 | |
| 71 | dbtenthbar_h | High | Float | Real | No | | 2 | 0.02 | 2.6 | g/cm3 | |
| 72 | dbthirdbar_l | Low | Float | Real | No | | 2 | 0.02 | 2.6 | g/cm3 | |
| 73 | dbthirdbar_r | RV | Float | Real | No | | 2 | 0.02 | 2.6 | g/cm3 | |
| 74 | dbthirdbar_h | High | Float | Real | No | | 2 | 0.02 | 2.6 | g/cm3 | |
| 75 | dbfifteenbar_l | Low | Float | Real | No | | 2 | 0.02 | 2.6 | g/cm3 | |
| 76 | dbfifteenbar_r | RV | Float | Real | No | | 2 | 0.02 | 2.6 | g/cm3 | |
| 77 | dbfifteenbar_h | High | Float | Real | No | | 2 | 0.02 | 2.6 | g/cm3 | |
| 78 | dbovendry_l | Low | Float | Float | No | | 2 | 0.02 | 2.6 | g/cm3 | |
| 79 | dbovendry_r | RV | Float | Float | No | | 2 | 0.02 | 2.6 | g/cm3 | |
| 80 | dbovendry_h | High | Float | Float | No | | 2 | 0.02 | 2.6 | g/cm3 | |
| 81 | partdensity | Dp | Float | Real | No | | 2 | 0.01 | 5 | g/cm3 | |
| 82 | ksat_l | Low | Float | Real | No | | 4 | 0 | 705 | um/s | |
| 83 | ksat_r | RV | Float | Real | No | | 4 | 0 | 705 | um/s | |
| 84 | ksat_h | High | Float | Real | No | | 4 | 0 | 705 | um/s | |
| 85 | awc_l | Low | Float | Real | No | | 2 | 0 | 0.7 | cm/cm | |
| 86 | awc_r | RV | Float | Real | No | | 2 | 0 | 0.7 | cm/cm | |
| 87 | awc_h | High | Float | Real | No | | 2 | 0 | 0.7 | cm/cm | |
| 88 | wtenthbar_l | Low | Float | Real | No | | 1 | 0 | 2000 | percent | |
| 89 | wtenthbar_r | RV | Float | Real | No | | 1 | 0 | 2000 | percent | |
| 90 | wtenthbar_h | High | Float | Real | No | | 1 | 0 | 2000 | percent | |
| 91 | wthirdbar_l | Low | Float | Real | No | | 1 | 0 | 2000 | percent | |
| 92 | wthirdbar_r | RV | Float | Real | No | | 1 | 0 | 2000 | percent | |
| 93 | wthirdbar_h | High | Float | Real | No | | 1 | 0 | 2000 | percent | |
| 94 | wfifteenbar_l | Low | Float | Real | No | | 1 | 0 | 400 | percent | |
| 95 | wfifteenbar_r | RV | Float | Real | No | | 1 | 0 | 400 | percent | |
| 96 | wfifteenbar_h | High | Float | Real | No | | 1 | 0 | 400 | percent | |

Table Physical Name: chorizon
Table Label: Horizon

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 97 | wsatiated_l | Low | Integer | Smallint | No | | | 10 | 70 | percent | |
| 98 | wsatiated_r | RV | Integer | Smallint | No | | | 10 | 70 | percent | |
| 99 | wsatiated_h | High | Integer | Smallint | No | | | 10 | 70 | percent | |
| 100 | lep_l | Low | Float | Real | No | | 1 | 0 | 30 | percent | |
| 101 | lep_r | RV | Float | Real | No | | 1 | 0 | 30 | percent | |
| 102 | lep_h | High | Float | Real | No | | 1 | 0 | 30 | percent | |
| 103 | ll_l | Low | Float | Real | No | | 1 | 0 | 400 | percent | |
| 104 | ll_r | RV | Float | Real | No | | 1 | 0 | 400 | percent | |
| 105 | ll_h | High | Float | Real | No | | 1 | 0 | 400 | percent | |
| 106 | pi_l | Low | Float | Real | No | | 1 | 0 | 130 | percent | |
| 107 | pi_r | RV | Float | Real | No | | 1 | 0 | 130 | percent | |
| 108 | pi_h | High | Float | Real | No | | 1 | 0 | 130 | percent | |
| 109 | aashind_l | Low | Integer | Smallint | No | | | 0 | 120 | | |
| 110 | aashind_r | RV | Integer | Smallint | No | | | 0 | 120 | | |
| 111 | aashind_h | High | Integer | Smallint | No | | | 0 | 120 | | |
| 112 | kwfact | Kw | Choice | Varchar | No | 254 | | | | | soil_erodibility_factor |
| 113 | kffact | Kf | Choice | Varchar | No | 254 | | | | | soil_erodibility_factor |
| 114 | caco3_l | Low | Integer | Smallint | No | | | 0 | 110 | percent | |
| 115 | caco3_r | RV | Integer | Smallint | No | | | 0 | 110 | percent | |
| 116 | caco3_h | High | Integer | Smallint | No | | | 0 | 110 | percent | |
| 117 | gypsum_l | Low | Integer | Smallint | No | | | 0 | 120 | percent | |
| 118 | gypsum_r | RV | Integer | Smallint | No | | | 0 | 120 | percent | |
| 119 | gypsum_h | High | Integer | Smallint | No | | | 0 | 120 | percent | |
| 120 | sar_l | Low | Float | Real | No | | 1 | 0 | 9999 | | |
| 121 | sar_r | RV | Float | Real | No | | 1 | 0 | 9999 | | |
| 122 | sar_h | High | Float | Real | No | | 1 | 0 | 9999 | | |
| 123 | ec_l | Low | Float | Real | No | | 1 | 0 | 15000 | mmhos/cm | |
| 124 | ec_r | RV | Float | Real | No | | 1 | 0 | 15000 | mmhos/cm | |
| 125 | ec_h | High | Float | Real | No | | 1 | 0 | 15000 | mmhos/cm | |
| 126 | cec7_l | Low | Float | Real | No | | 1 | 0 | 400 | meq/100g | |
| 127 | cec7_r | RV | Float | Real | No | | 1 | 0 | 400 | meq/100g | |
| 128 | cec7_h | High | Float | Real | No | | 1 | 0 | 400 | meq/100g | |

Table Physical Name: chorizon
Table Label: Horizon

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 129 | ecec_l | Low | Float | Real | No | | 1 | 0 | 400 | meq/100g | |
| 130 | ecec_r | RV | Float | Real | No | | 1 | 0 | 400 | meq/100g | |
| 131 | ecec_h | High | Float | Real | No | | 1 | 0 | 400 | meq/100g | |
| 132 | sumbases_l | Low | Float | Float | No | | 1 | 0 | 300 | meq/100g | |
| 133 | sumbases_r | RV | Float | Float | No | | 1 | 0 | 300 | meq/100g | |
| 134 | sumbases_h | High | Float | Float | No | | 1 | 0 | 300 | meq/100g | |
| 135 | ph1to1h2o_l | Low | Float | Real | No | | 1 | 1.8 | 11 | | |
| 136 | ph1to1h2o_r | RV | Float | Real | No | | 1 | 1.8 | 11 | | |
| 137 | ph1to1h2o_h | High | Float | Real | No | | 1 | 1.8 | 11 | | |
| 138 | ph01mcacl2_l | Low | Float | Real | No | | 1 | 1.8 | 11 | | |
| 139 | ph01mcacl2_r | RV | Float | Real | No | | 1 | 1.8 | 11 | | |
| 140 | ph01mcacl2_h | High | Float | Real | No | | 1 | 1.8 | 11 | | |
| 141 | freeiron_l | Low | Float | Real | No | | 2 | 0 | 100 | percent | |
| 142 | freeiron_r | RV | Float | Real | No | | 2 | 0 | 100 | percent | |
| 143 | freeiron_h | High | Float | Real | No | | 2 | 0 | 100 | percent | |
| 144 | feoxalate_l | Low | Float | Real | No | | 2 | 0 | 150000 | mg/kg | |
| 145 | feoxalate_r | RV | Float | Real | No | | 2 | 0 | 150000 | mg/kg | |
| 146 | feoxalate_h | High | Float | Real | No | | 2 | 0 | 150000 | mg/kg | |
| 147 | extracid_l | Low | Float | Real | No | | 1 | 0 | 250 | meq/100g | |
| 148 | extracid_r | RV | Float | Real | No | | 1 | 0 | 250 | meq/100g | |
| 149 | extracid_h | High | Float | Real | No | | 1 | 0 | 250 | meq/100g | |
| 150 | extral_l | Low | Float | Real | No | | 2 | 0 | 150 | meq/100g | |
| 151 | extral_r | RV | Float | Real | No | | 2 | 0 | 150 | meq/100g | |
| 152 | extral_h | High | Float | Real | No | | 2 | 0 | 150 | meq/100g | |
| 153 | aloxalate_l | Low | Float | Real | No | | 1 | 0 | 170000 | mg/kg | |
| 154 | aloxalate_r | RV | Float | Real | No | | 1 | 0 | 170000 | mg/kg | |
| 155 | aloxalate_h | High | Float | Real | No | | 1 | 0 | 170000 | mg/kg | |
| 156 | pbray1_l | Low | Float | Real | No | | 1 | 0 | 500 | mg/kg | |
| 157 | pbray1_r | RV | Float | Real | No | | 1 | 0 | 500 | mg/kg | |
| 158 | pbray1_h | High | Float | Real | No | | 1 | 0 | 500 | mg/kg | |
| 159 | poxalate_l | Low | Float | Real | No | | 1 | 0 | | mg/kg | |
| 160 | poxalate_r | RV | Float | Real | No | | 1 | 0 | | mg/kg | |

Table Physical Name: chorizon
Table Label: Horizon

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 161 | poxalate_h | High | Float | Real | No | | 1 | 0 | | mg/kg | |
| 162 | ph2osoluble_l | Low | Float | Real | No | | 1 | 0 | 5000 | mg/kg | |
| 163 | ph2osoluble_r | RV | Float | Real | No | | 1 | 0 | 5000 | mg/kg | |
| 164 | ph2osoluble_h | High | Float | Real | No | | 1 | 0 | 5000 | mg/kg | |
| 165 | ptotal_l | Low | Float | Real | No | | 2 | 0 | | percent | |
| 166 | ptotal_r | RV | Float | Real | No | | 2 | 0 | | percent | |
| 167 | ptotal_h | High | Float | Real | No | | 2 | 0 | | percent | |
| 168 | excavdifcl | Excav Diff | Choice | Varchar | No | 254 | | | | | excavation_difficulty_class |
| 169 | excavdifms | Excav Diff Moisture | Choice | Varchar | No | 254 | | | | | observed_soil_moisture_statu s |
| 170 | cokey | Component Key | String | Varchar | Yes | 30 | | | | | |
| 171 | chkey | Chorizon Key | String | Varchar | Yes | 30 | | | | | |

The Horizon table lists the horizon(s) and related data for the referenced map unit component. If the horizon thickness is greater than zero (low=5, RV=8, high=12), the horizon exists everywhere this component occurs. If the horizon thickness includes zero (low=0, RV=1, high=3), the horizon may exist in some places, but not in other places.
Horizons that have two distinct parts, such as E/B or E&Bt horizons, are recorded twice. Once for the characteristics of the first part; and again on another row, using the same depths and thicknesses, for the characteristics of the other part.

# SSURGO 2.2.6
## Tables and Columns

Table Physical Name: chpores
Table Label: Horizon Pores

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | poreqty_l | Low | Float | Real | No | | 1 | 0 | 99 | pores/area | |
| 2 | poreqty_r | RV | Float | Real | No | | 1 | 0 | 99 | pores/area | |
| 3 | poreqty_h | High | Float | Real | No | | 1 | 0 | 99 | pores/area | |
| 4 | poresize | Size | Choice | Varchar | No | 254 | | | | | pore_root_size |
| 5 | porecont | Continuity | Choice | Varchar | No | 254 | | | | | pore_continuity_vertical |
| 6 | poreshp | Shape | Choice | Varchar | No | 254 | | | | | pore_shape |
| 7 | rvindicator | RV? | Boolean | Varchar | Yes | 3 | | | | | |
| 8 | chkey | Chorizon Key | String | Varchar | Yes | 30 | | | | | |
| 9 | chporeskey | Chorizon Pores Key | String | Varchar | Yes | 30 | | | | | |

The Horizon Pores table lists the voids for the referenced horizon. If the Quantity is greater than zero (low=2, RV=5, high=10) in a row, the voids in that row exist everywhere the horizon and component occur in the map unit. If the Quantity includes zero (low=0, RV=2, high=5), the voids may exist in some places, but not in others. More than one row can be marked as an RV row because a horizon may have more than one size or shape of void.

Table Physical Name: chstruct
Table Label: Horizon Structure

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | structgrade | Grade | Choice | Varchar | No | 254 | | | | | structure_grade |
| 2 | structsize | Size | Choice | Varchar | No | 254 | | | | | structure_size |
| 3 | structtype | Type | Choice | Varchar | No | 254 | | | | | structure_type |
| 4 | structid | Structure ID | Integer | Smallint | No | | | 1 | | | |
| 5 | structpartsto | Parts to Structure ID | Integer | Smallint | No | | | | | | |
| 6 | chstructgrpkey | Chorizon Structure Group Key | String | Varchar | Yes | 30 | | | | | |
| 7 | chstructkey | Chorizon Structure Key | String | Varchar | Yes | 30 | | | | | |

The Horizon Structure table lists the individual soil structure size, grade, and shape terms for the referenced horizon. Terms in this table are assembled into a structure group string which is recorded in the Horizon Structure Group table.

# SSURGO 2.2.6
## Tables and Columns

Table Physical Name: chstructgrp
Table Label: Horizon Structure Group

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | structgrpname | Structure | String | Varchar | No | 100 | | | | | |
| 2 | rvindicator | RV? | Boolean | Varchar | Yes | 3 | | | | | |
| 3 | chkey | Chorizon Key | String | Varchar | Yes | 30 | | | | | |
| 4 | chstructgrpkey | Chorizon Structure Group Key | String | Varchar | Yes | 30 | | | | | |

The Horizon Structure Group table lists the ranges of soil structure for the referenced horizon. The row with the typically occurring structure is marked as being representative. The entry in this table is based on grouping of entries in the Horizon Structure table.

Table Physical Name: chtext
Table Label: Horizon Text

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | recdate | Date | Date/Time | Datetime | No | | | | | | |
| 2 | chorizontextkind | Kind | Choice | Varchar | No | 254 | | | | | chorizon_text_kind |
| 3 | textcat | Category | String | Varchar | No | 20 | | | | | |
| 4 | textsubcat | Subcategory | String | Varchar | No | 20 | | | | | |
| 5 | text | Text | Narrative Text | Text | No | | | | | | |
| 6 | chkey | Chorizon Key | String | Varchar | Yes | 30 | | | | | |
| 7 | chtextkey | Chorizon Text Key | String | Varchar | Yes | 30 | | | | | |

The Horizon Text table contains notes and narrative descriptions related to the referenced horizon. Some notes may provide additional information about the horizon for which there is no explicit column for such data. In many cases, the table is empty for a particular horizon.

Table Physical Name: chtexture
Table Label: Horizon Texture

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | texcl | Texture | Choice | Varchar | No | 254 | | | | | texture_class |
| 2 | lieutex | In Lieu | Choice | Varchar | No | 254 | | | | | terms_used_in_lieu_of_texture |
| 3 | chtgkey | Chorizon Texture Group Key | String | Varchar | Yes | 30 | | | | | |
| 4 | chtkey | Chorizon Texture Key | String | Varchar | Yes | 30 | | | | | |

The Horizon Texture table lists the individual texture(s), or term(s) used in lieu of texture, for the referenced horizon. Only the unmodified texture terms are listed in the Horizon Texture table; modifiers are listed in the Horizon Texture Modifier table. For example, a gravelly loamy sand is shown as "GR-LS" in the Horizon Texture Group table, "ls" in the Horizon Texture table, and "gr" in the Horizon Texture Modifier table.

Table Physical Name: chtexturegrp
Table Label: Horizon Texture Group

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | texture | Tex Mod & Class | String | Varchar | No | 30 | | | | | |
| 2 | stratextsflag | Stratified? | Boolean | Varchar | Yes | 3 | | | | | |
| 3 | rvindicator | RV? | Boolean | Varchar | Yes | 3 | | | | | |
| 4 | texdesc | Texture Description | Narrative Text | Text | No | | | | | | |
| 5 | chkey | Chorizon Key | String | Varchar | Yes | 30 | | | | | |
| 6 | chtgkey | Chorizon Texture Group Key | String | Varchar | Yes | 30 | | | | | |

The Horizon Texture Group table lists the range of textures for the referenced horizon as a concatenation of horizon texture and texture modifier(s). For example, a horizon that is gravelly loamy sand in some places and gravelly loamy coarse sand in other places is shown as GR-LS on one row and GR-LCOS on another row in this table. The row with the typically occurring texture is identified as the RV row. Stratified textures are shown in one row. For example, a horizon that is stratified gravelly loamy fine sand and cobbly coarse sand is shown as SR- GR-LFS CB-COS on one row and the Stratified? column for that row is marked "yes". If two or more textures always occur together but are not stratified, all of the textures are listed on one row and the Stratified? column for that row is marked "no".

Table Physical Name: chtexturemod
Table Label: Horizon Texture Modifier

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | texmod | Modifier | Choice | Varchar | No | 254 | | | | | texture_modifier |
| 2 | chtkey | Chorizon Texture Key | String | Varchar | Yes | 30 | | | | | |
| 3 | chtexmodkey | Chorizon Texture Modifier Key | String | Varchar | Yes | 30 | | | | | |

The Horizon Texture Modifier table lists the texture modifier(s) for the referenced texture. For example, a gravelly loamy sand is shown as "GR-LS" in the Horizon Texture Group table, "ls" in the Horizon Texture table, and "gr" in this table.

Table Physical Name: chunified
Table Label: Horizon Unified

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | unifiedcl | Unified | Choice | Varchar | No | 254 | | | | | unified_soil_classification |
| 2 | rvindicator | RV? | Boolean | Varchar | Yes | 3 | | | | | |
| 3 | chkey | Chorizon Key | String | Varchar | Yes | 30 | | | | | |
| 4 | chunifiedkey | Chorizon Unified Key | String | Varchar | Yes | 30 | | | | | |

The Horizon Unified table contains the Unified Soil Classification(s) for the referenced horizon. One row in the Horizon Unified table is marked as the representative Unified classification for the horizon.

Table Physical Name: cocanopycover
Table Label: Component Canopy Cover

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | plantcov | Canopy Cover % | Integer | Smallint | No | | | 0 | 100 | percent | |
| 2 | plantsym | Plant Symbol | String | Varchar | Yes | 8 | | | | | |
| 3 | plantsciname | Scientific Name | String | Varchar | No | 127 | | | | | |
| 4 | plantcomname | Common Name | String | Varchar | No | 60 | | | | | |
| 5 | cokey | Component Key | String | Varchar | Yes | 30 | | | | | |
| 6 | cocanopycovkey | Component Canopy Cover Key | String | Varchar | Yes | 30 | | | | | |

The Component Canopy Cover table lists the overstory plants that typically occur on the referenced map unit component.

Table Physical Name: cocropyld
Table Label: Component Crop Yield

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | cropname | Crop Name | Choice | Varchar | No | 254 | | | | | crop_name |
| 2 | yldunits | Units | Choice | Varchar | No | 254 | | | | | crop_yield_units |
| 3 | nonirryield_l | Low | Float | Real | No | | 2 | 0 | 9999.99 | | |
| 4 | nonirryield_r | RV | Float | Real | No | | 2 | 0 | 9999.99 | | |
| 5 | nonirryield_h | High | Float | Real | No | | 2 | 0 | 9999.99 | | |
| 6 | irryield_l | Low | Float | Real | No | | 2 | 0 | 9999.99 | | |
| 7 | irryield_r | RV | Float | Real | No | | 2 | 0 | 9999.99 | | |
| 8 | irryield_h | High | Float | Real | No | | 2 | 0 | 9999.99 | | |
| 9 | cropprodindex | Prod Index | Integer | Smallint | No | | | 0 | 100 | | |
| 10 | vasoiprdgrp | VA Soil Prod Grp | Choice | Varchar | No | 254 | | | | | va_soil_productivity_group |
| 11 | cokey | Component Key | String | Varchar | Yes | 30 | | | | | |
| 12 | cocropyldkey | Component Crop Yield Key | String | Varchar | Yes | 30 | | | | | |

The Component Crop Yield table lists commonly grown crops and their expected range in yields when grown on the referenced map unit component. Yields for the map unit as a whole are given in the Mapunit Crop Yield table.

Table Physical Name: codiagfeatures
Table Label: Component Diagnostic Features

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | featkind | Kind | Choice | Varchar | No | 254 | | | | | diag_horz_feat_kind |
| 2 | featdept_l | Low | Integer | Smallint | No | | | 0 | 9999 | cm | |
| 3 | featdept_r | RV | Integer | Smallint | No | | | 0 | 9999 | cm | |
| 4 | featdept_h | High | Integer | Smallint | No | | | 0 | 9999 | cm | |
| 5 | featdepb_l | Low | Integer | Smallint | No | | | 0 | 9999 | cm | |
| 6 | featdepb_r | RV | Integer | Smallint | No | | | 0 | 9999 | cm | |
| 7 | featdepb_h | High | Integer | Smallint | No | | | 0 | 9999 | cm | |
| 8 | featthick_l | Low | Integer | Smallint | No | | | 0 | 9999 | cm | |
| 9 | featthick_r | RV | Integer | Smallint | No | | | 0 | 9999 | cm | |
| 10 | featthick_h | High | Integer | Smallint | No | | | 0 | 9999 | cm | |
| 11 | cokey | Component Key | String | Varchar | Yes | 30 | | | | | |
| 12 | codiagfeatkey | Component Diagnostic Features Key | String | Varchar | Yes | 30 | | | | | |

The Component Diagnostic Features table lists the typical soil features, such as ochric epipedon or cambic horizon, for the referenced map unit component.

Table Physical Name: coecoclass
Table Label: Component Ecological Classification

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | ecoclasstypename | Ecological Classification Type Name | String | Varchar | Yes | 60 | | | | | |
| 2 | ecoclassref | Ecological Classification Reference | String | Varchar | No | 254 | | | | | |
| 3 | ecoclassid | Ecological Classification ID | String | Varchar | Yes | 30 | | | | | |
| 4 | ecoclassname | Ecological Classification Name | Narrative Text | Text | No | | | | | | |
| 5 | cokey | Component Key | String | Varchar | Yes | 30 | | | | | |
| 6 | coecoclasskey | Component Ecological Classification Key | String | Varchar | Yes | 30 | | | | | |

The Component Ecological Classification table identifies the ecological sites typically associated with the referenced map unit component. These may include the official NRCS forestland and rangland ecological sites, as well as those of other classification systems, such as the USFS Habitat Types.

Table Physical Name: coeplants
Table Label: Component Existing Plants

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | plantsym | Plant Symbol | String | Varchar | Yes | 8 | | | | | |
| 2 | plantsciname | Scientific Name | String | Varchar | No | 127 | | | | | |
| 3 | plantcomname | Common Name | String | Varchar | No | 60 | | | | | |
| 4 | forestunprod | Understory Prod % | Integer | Smallint | No | | | 0 | 100 | percent | |
| 5 | rangeprod | Range Prod % | Integer | Smallint | No | | | 0 | 100 | percent | |
| 6 | cokey | Component Key | String | Varchar | Yes | 30 | | | | | |
| 7 | coeplantskey | Component Existing Plants Key | String | Varchar | Yes | 30 | | | | | |

The Component Existing Plants table lists the plants, either rangeland or forestland plants, that typically occur on the referenced map unit component.

Table Physical Name: coerosionacc
Table Label: Component Erosion Accelerated

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | erokind | Kind | Choice | Varchar | No | 254 | | | | | erosion_accelerated_kind |
| 2 | rvindicator | RV? | Boolean | Varchar | Yes | 3 | | | | | |
| 3 | cokey | Component Key | String | Varchar | Yes | 30 | | | | | |
| 4 | coeroacckey | Component Erosion Accelerated Key | String | Varchar | Yes | 30 | | | | | |

The Component Erosion Accelerated table lists the kinds of accelerated erosion that occur on the referenced map unit component. One row in this table is marked as the representative kind of accelerated erosion for that component.

Table Physical Name: coforprod
Table Label: Component Forest Productivity

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | plantsym | Plant Symbol | String | Varchar | Yes | 8 | | | | | |
| 2 | plantsciname | Scientific Name | String | Varchar | No | 127 | | | | | |
| 3 | plantcomname | Common Name | String | Varchar | No | 60 | | | | | |
| 4 | siteindexbase | Site Index Base | Choice | Varchar | No | 254 | | | | | site_index_curves |
| 5 | siteindex_l | Low | Integer | Smallint | No | | | 1 | 300 | | |
| 6 | siteindex_r | RV | Integer | Smallint | No | | | 1 | 300 | | |
| 7 | siteindex_h | High | Integer | Smallint | No | | | 1 | 300 | | |
| 8 | fprod_l | Low | Float | Real | No | | 2 | 0 | 9999 | | |
| 9 | fprod_r | RV | Float | Real | No | | 2 | 0 | 9999 | | |
| 10 | fprod_h | High | Float | Real | No | | 2 | 0 | 9999 | | |
| 11 | cokey | Component Key | String | Varchar | Yes | 30 | | | | | |
| 12 | cofprodkey | Component Forest Productivity Key | String | Varchar | Yes | 30 | | | | | |

The Component Forest Productivity table lists the site index and the annual productivity in cubic feet per acre per year (CAMI) of forest overstory tree species that typically occur on the referenced map unit component.

Table Physical Name: coforprodo
Table Label: Component Forest Productivity - Other

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | siteindexbase | Site Index Base | Choice | Varchar | No | 254 | | | | | site_index_curves |
| 2 | siteindex_l | Low | Integer | Smallint | No | | | 1 | 300 | | |
| 3 | siteindex_r | RV | Integer | Smallint | No | | | 1 | 300 | | |
| 4 | siteindex_h | High | Integer | Smallint | No | | | 1 | 300 | | |
| 5 | fprod_l | Low | Float | Real | No | | 2 | 0 | 9999 | | |
| 6 | fprod_r | RV | Float | Real | No | | 2 | 0 | 9999 | | |
| 7 | fprod_h | High | Float | Real | No | | 2 | 0 | 9999 | | |
| 8 | fprodunits | Units | Choice | Varchar | No | 254 | | | | | forest_productivity_units |
| 9 | cofprodkey | Component Forest Productivity Key | String | Varchar | Yes | 30 | | | | | |
| 10 | cofprodokey | Component Forest Productivity Other Key | String | Varchar | Yes | 30 | | | | | |

The Component Forest Productivity - Other table lists the site index and annual productivity of forest overstory tree species in units other than cubic feet per acre per year for trees that typically occur on the referenced map unit component.

Table Physical Name: cogeomordesc
Table Label: Component Geomorphic Description

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | geomftname | Feature Type | String | Varchar | Yes | 30 | | | | | |
| 2 | geomfname | Feature Name | String | Varchar | Yes | 50 | | | | | |
| 3 | geomfmod | Feature Modifier | String | Varchar | No | 60 | | | | | |
| 4 | geomfeatid | Feature ID | Integer | Smallint | No | | | | | | |
| 5 | existsonfeat | Exists On Feature ID | Integer | Smallint | No | | | | | | |
| 6 | rvindicator | RV? | Boolean | Varchar | Yes | 3 | | | | | |
| 7 | cokey | Component Key | String | Varchar | Yes | 30 | | | | | |
| 8 | cogeomdkey | Component Geomorphic Description Key | String | Varchar | Yes | 30 | | | | | |

The Component Geomorphic Description table lists the geomorphic features on which the referenced map unit component typically occurs.

Table Physical Name: cohydriccriteria
Table Label: Component Hydric Criteria

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | hydriccriterion | Hydric Criterion | Choice | Varchar | No | 254 | | | | | hydric_criteria |
| 2 | cokey | Component Key | String | Varchar | Yes | 30 | | | | | |
| 3 | cohydcritkey | Component Hydric Criteria Key | String | Varchar | Yes | 30 | | | | | |

The Component Hydric Criteria table lists the hydric soil criteria met for those referenced map unit components that are classified as a "hydric soil."

Table Physical Name: cointerp
Table Label: Component Interpretation

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | cokey | Component Key | String | Varchar | Yes | 30 | | | | | |
| 2 | mrulekey | Main Rule Key | String | Varchar | Yes | 30 | | | | | |
| 3 | mrulename | Main Rule Name | String | Varchar | Yes | 60 | | | | | |
| 4 | seqnum | Seq | Integer | Smallint | Yes | | | 1 | | | |
| 5 | rulekey | Rule Key | String | Varchar | Yes | 30 | | | | | |
| 6 | rulename | Rule Name | String | Varchar | Yes | 60 | | | | | |
| 7 | ruledepth | Rule Depth | Integer | Smallint | Yes | | | | | | |
| 8 | interpll | Interp Low Low | Float | Float | No | | 2 | | | | |
| 9 | interpllc | Interp Low Low Class | String | Varchar | No | 254 | | | | | |
| 10 | interplr | Interp Low Representative Value | Float | Float | No | | 2 | | | | |
| 11 | interplrc | Interp Low Representative Value Class | String | Varchar | No | 254 | | | | | |
| 12 | interphr | Interp High Representative Value | Float | Float | No | | 2 | | | | |
| 13 | interphrc | Interp High Representative Value Class | String | Varchar | No | 254 | | | | | |
| 14 | interphh | Interp High High | Float | Float | No | | 2 | | | | |
| 15 | interphhc | Interp High High Class | String | Varchar | No | 254 | | | | | |
| 16 | nullpropdatabool | Null Property Data Boolean | Boolean | Varchar | No | 3 | | | | | |
| 17 | defpropdatabool | Default Property Data Boolean | Boolean | Varchar | No | 3 | | | | | |
| 18 | incpropdatabool | Inconsistent Property Data Boolean | Boolean | Varchar | No | 3 | | | | | |
| 19 | cointerpkey | Component Interpretation Key | String | Varchar | Yes | 30 | | | | | |

The Component Interpretation table lists the predictions of behavior and limiting features for specified uses made for the referenced map unit component.

Table Physical Name: comonth
Table Label: Component Month

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | monthseq | Month Sequence | Integer | Smallint | No | | | 1 | 12 | | |
| 2 | month | Month | Choice | Varchar | No | 254 | | | | | flooding_ponding_month |
| 3 | flodfreqcl | Flooding Frequency | Choice | Varchar | No | 254 | | | | | flooding_frequency_class |
| 4 | floddurcl | Flooding Duration | Choice | Varchar | No | 254 | | | | | flooding_duration_class |
| 5 | pondfreqcl | Ponding Frequency | Choice | Varchar | No | 254 | | | | | ponding_frequency_class |
| 6 | ponddurcl | Ponding Duration | Choice | Varchar | No | 254 | | | | | ponding_duration_class |
| 7 | ponddep_l | Low | Integer | Smallint | No | | | 0 | 185 | cm | |
| 8 | ponddep_r | RV | Integer | Smallint | No | | | 0 | 185 | cm | |
| 9 | ponddep_h | High | Integer | Smallint | No | | | 0 | 185 | cm | |
| 10 | dlyavgprecip_l | Low | Integer | Smallint | No | | | 0 | 750 | mm | |
| 11 | dlyavgprecip_r | RV | Integer | Smallint | No | | | 0 | 750 | mm | |
| 12 | dlyavgprecip_h | High | Integer | Smallint | No | | | 0 | 750 | mm | |
| 13 | dlyavgpotet_l | Low | Integer | Smallint | No | | | 0 | 300 | mm | |
| 14 | dlyavgpotet_r | RV | Integer | Smallint | No | | | 0 | 300 | mm | |
| 15 | dlyavgpotet_h | High | Integer | Smallint | No | | | 0 | 300 | mm | |
| 16 | cokey | Component Key | String | Varchar | Yes | 30 | | | | | |
| 17 | comonthkey | Component Month Key | String | Varchar | Yes | 30 | | | | | |

The Component Month table lists the monthly flooding and ponding characteristics for the referenced map unit component. This table has one row for each month of the year.

Table Physical Name: component
Table Label: Component

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | comppct_l | Low | Integer | Smallint | No | | | 0 | 100 | percent | |
| 2 | comppct_r | RV | Integer | Smallint | No | | | 0 | 100 | percent | |
| 3 | comppct_h | High | Integer | Smallint | No | | | 0 | 100 | percent | |
| 4 | compname | Component Name | String | Varchar | No | 60 | | | | | |
| 5 | compkind | Kind | Choice | Varchar | No | 254 | | | | | component_kind |
| 6 | majcompflag | Major Component | Boolean | Varchar | No | 3 | | | | | |
| 7 | otherph | SIR phase | String | Varchar | No | 40 | | | | | |
| 8 | localphase | Local Phase | String | Varchar | No | 40 | | | | | |
| 9 | slope_l | Low | Float | Real | No | | 1 | 0 | 999 | percent | |
| 10 | slope_r | RV | Float | Real | No | | 1 | 0 | 999 | percent | |
| 11 | slope_h | High | Float | Real | No | | 1 | 0 | 999 | percent | |
| 12 | slopelenusle_l | Low | Integer | Smallint | No | | | 0 | 4000 | meters | |
| 13 | slopelenusle_r | RV | Integer | Smallint | No | | | 0 | 4000 | meters | |
| 14 | slopelenusle_h | High | Integer | Smallint | No | | | 0 | 4000 | meters | |
| 15 | runoff | Runoff Class | Choice | Varchar | No | 254 | | | | | runoff |
| 16 | tfact | T | Integer | Smallint | No | | | 1 | 5 | tons/acre/yr | |
| 17 | wei | WEI | Choice | Varchar | No | 254 | | | | tons/acre/yr | wind_erodibility_index |
| 18 | weg | WEG | Choice | Varchar | No | 254 | | | | | wind_erodibility_group |
| 19 | erocl | Erosion Class | Choice | Varchar | No | 254 | | | | | erosion_class |
| 20 | earthcovkind1 | Cover Kind 1 | Choice | Varchar | No | 254 | | | | | earth_cover_kind_level_one |
| 21 | earthcovkind2 | Cover Kind 2 | Choice | Varchar | No | 254 | | | | | earth_cover_kind_level_two |
| 22 | hydricon | Hydric Condition | Choice | Varchar | No | 254 | | | | | hydric_condition |
| 23 | hydricrating | Hydric Rating | Choice | Varchar | No | 254 | | | | | hydric_rating |
| 24 | drainagecl | Drainage Class | Choice | Varchar | No | 254 | | | | | drainage_class |
| 25 | elev_l | Low | Float | Real | No | | 1 | -300 | 8550 | meters | |
| 26 | elev_r | RV | Float | Real | No | | 1 | -300 | 8550 | meters | |
| 27 | elev_h | High | Float | Real | No | | 1 | -300 | 8550 | meters | |
| 28 | aspectccwise | Aspect Counter Clockwise | Integer | Smallint | No | | | 0 | 360 | degrees | |
| 29 | aspectrep | Aspect Representative | Integer | Smallint | No | | | 0 | 360 | degrees | |
| 30 | aspectcwise | Aspect Clockwise | Integer | Smallint | No | | | 0 | 360 | degrees | |
| 31 | geomdesc | Geomorphic Description | Narrative Text | Text | No | | | | | | |

Table Physical Name: component
Table Label: Component

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 32 | albedodry_l | Low | Float | Real | No | | 2 | 0 | 1 | | |
| 33 | albedodry_r | RV | Float | Real | No | | 2 | 0 | 1 | | |
| 34 | albedodry_h | High | Float | Real | No | | 2 | 0 | 1 | | |
| 35 | airtempa_l | Low | Float | Real | No | | 1 | -50 | 50 | degrees c | |
| 36 | airtempa_r | RV | Float | Real | No | | 1 | -50 | 50 | degrees c | |
| 37 | airtempa_h | High | Float | Real | No | | 1 | -50 | 50 | degrees c | |
| 38 | map_l | Low | Integer | Smallint | No | | | 0 | 11500 | mm | |
| 39 | map_r | RV | Integer | Smallint | No | | | 0 | 11500 | mm | |
| 40 | map_h | High | Integer | Smallint | No | | | 0 | 11500 | mm | |
| 41 | reannualprecip_l | Low | Integer | Smallint | No | | | 0 | 11500 | mm | |
| 42 | reannualprecip_r | RV | Integer | Smallint | No | | | 0 | 11500 | mm | |
| 43 | reannualprecip_h | High | Integer | Smallint | No | | | 0 | 11500 | mm | |
| 44 | ffd_l | Low | Integer | Smallint | No | | | 0 | 365 | days | |
| 45 | ffd_r | RV | Integer | Smallint | No | | | 0 | 365 | days | |
| 46 | ffd_h | High | Integer | Smallint | No | | | 0 | 365 | days | |
| 47 | nirrcapcl | Nirr LCC | Choice | Varchar | No | 254 | | | | | capability_class |
| 48 | nirrcapscl | Nirr Subcl | Choice | Varchar | No | 254 | | | | | capability_subclass |
| 49 | nirrcapunit | Nirr LCU | Integer | Smallint | No | | | 1 | 99 | | |
| 50 | irrcapcl | Irr LCC | Choice | Varchar | No | 254 | | | | | capability_class |
| 51 | irrcapscl | Irr Subcl | Choice | Varchar | No | 254 | | | | | capability_subclass |
| 52 | irrcapunit | Irr LCU | Integer | Smallint | No | | | 1 | 99 | | |
| 53 | cropprodindex | Prod Index | Integer | Smallint | No | | | 0 | 100 | | |
| 54 | constreeshrubgrp | Cons Tree Shrub Group | Choice | Varchar | No | 254 | | | | | conservation_tree_shrub_group |
| 55 | wndbrksuitgrp | Windbreak Suitability (Obsolete) | Choice | Varchar | No | 254 | | | | | windbreak_suitability_group |
| 56 | rsprod_l | Low | Integer | Int | No | | | 0 | 20000 | lbs/acre/yr | |
| 57 | rsprod_r | RV | Integer | Int | No | | | 0 | 20000 | lbs/acre/yr | |
| 58 | rsprod_h | High | Integer | Int | No | | | 0 | 20000 | lbs/acre/yr | |
| 59 | foragesuitgrpid | Forage Suitability Group ID | String | Varchar | No | 11 | | | | | |
| 60 | wlgrain | Grain Habitat | Choice | Varchar | No | 254 | | | | | wildlife_rating |
| 61 | wlgrass | Grass Habitat | Choice | Varchar | No | 254 | | | | | wildlife_rating |
| 62 | wlherbaceous | Herbaceous Habitat | Choice | Varchar | No | 254 | | | | | wildlife_rating |

Table Physical Name: component
Table Label: Component

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 63 | wlshrub | Shrub Habitat | Choice | Varchar | No | 254 | | | | | wildlife_rating |
| 64 | wlconiferous | Conifer Habitat | Choice | Varchar | No | 254 | | | | | wildlife_rating |
| 65 | wlhardwood | Hardwood Habitat | Choice | Varchar | No | 254 | | | | | wildlife_rating |
| 66 | wlwetplant | Wetland Habitat | Choice | Varchar | No | 254 | | | | | wildlife_rating |
| 67 | wlshallowwat | Water Habitat | Choice | Varchar | No | 254 | | | | | wildlife_rating |
| 68 | wlrangeland | Rangeland Wildlife | Choice | Varchar | No | 254 | | | | | wildlife_rating |
| 69 | wlopenland | Openland Wildlife | Choice | Varchar | No | 254 | | | | | wildlife_rating |
| 70 | wlwoodland | Woodland Wildlife | Choice | Varchar | No | 254 | | | | | wildlife_rating |
| 71 | wlwetland | Wetland Wildlife | Choice | Varchar | No | 254 | | | | | wildlife_rating |
| 72 | soilslippot | Soil Slip Pot | Choice | Varchar | No | 254 | | | | | soil_slippage_potential |
| 73 | frostact | Frost Action | Choice | Varchar | No | 254 | | | | | potential_frost_action |
| 74 | initsub_l | Low | Integer | Smallint | No | | | 0 | 999 | cm | |
| 75 | initsub_r | RV | Integer | Smallint | No | | | 0 | 999 | cm | |
| 76 | initsub_h | High | Integer | Smallint | No | | | 0 | 999 | cm | |
| 77 | totalsub_l | Low | Integer | Smallint | No | | | 0 | 999 | cm | |
| 78 | totalsub_r | RV | Integer | Smallint | No | | | 0 | 999 | cm | |
| 79 | totalsub_h | High | Integer | Smallint | No | | | 0 | 999 | cm | |
| 80 | hydgrp | Hydrologic Group | Choice | Varchar | No | 254 | | | | | hydrologic_group |
| 81 | corcon | Corrosion Concrete | Choice | Varchar | No | 254 | | | | | corrosion_concrete |
| 82 | corsteel | Corrosion Steel | Choice | Varchar | No | 254 | | | | | corrosion_uncoated_steel |
| 83 | taxclname | Taxonomic Class | String | Varchar | No | 120 | | | | | |
| 84 | taxorder | Order | Choice | Varchar | No | 254 | | | | | taxonomic_order |
| 85 | taxsuborder | Suborder | Choice | Varchar | No | 254 | | | | | taxonomic_suborder |
| 86 | taxgrtgroup | Great Group | Choice | Varchar | No | 254 | | | | | taxonomic_great_group |
| 87 | taxsubgrp | Subgroup | Choice | Varchar | No | 254 | | | | | taxonomic_subgroup |
| 88 | taxpartsize | Particle Size | Choice | Varchar | No | 254 | | | | | taxonomic_family_particle_size |
| 89 | taxpartsizemod | Particle Size Mod | Choice | Varchar | No | 254 | | | | | taxonomic_family_part_size_mod |
| 90 | taxceactcl | CEC Activity Cl | Choice | Varchar | No | 254 | | | | | taxonomic_family_c_e_act_class |
| 91 | taxreaction | Reaction | Choice | Varchar | No | 254 | | | | | taxonomic_family_reaction |
| 92 | taxtempcl | Temp Class | Choice | Varchar | No | 254 | | | | | taxonomic_family_temp_class |

Table Physical Name: component
Table Label: Component

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 93 | taxmoistscl | Moist Subclass | Choice | Varchar | No | 254 | | | | | taxonomic_moisture_subclass |
| 94 | taxtempregime | Temp Regime | Choice | Varchar | No | 254 | | | | | taxonomic_temp_regime |
| 95 | soiltaxedition | Keys to Taxonomy Edition Used | Choice | Varchar | No | 254 | | | | | soil_taxonomy_edition |
| 96 | castorieindex | CA Storie Index | Integer | Smallint | No | | | 0 | 100 | | |
| 97 | flecolcomnum | FL Ecol Comm # | String | Varchar | No | 5 | | | | | |
| 98 | flhe | FL HE | Choice | Varchar | No | 3 | | | | | yes_no_n.a. |
| 99 | flphe | FL PHE | Choice | Varchar | No | 3 | | | | | yes_no_n.a. |
| 100 | flsoilleachpot | FL Leach Pot | Choice | Varchar | No | 254 | | | | | fl_soil_leaching_potential |
| 101 | flsoirunoffpot | FL Runoff Pot | Choice | Varchar | No | 254 | | | | | fl_soil_runoff_potential |
| 102 | fltemik2use | FL Temik | Choice | Varchar | No | 3 | | | | | yes_no_n.a. |
| 103 | fltriumph2use | FL Triumph | Choice | Varchar | No | 3 | | | | | yes_no_n.a. |
| 104 | indraingrp | IN Drainage Grp | String | Varchar | No | 3 | | | | | |
| 105 | innitrateleachi | IN NO3 Leach Index | Integer | Smallint | No | | | 0 | 99 | | |
| 106 | misoimgmtgrp | MI Soil Mgmt Grp | Choice | Varchar | No | 254 | | | | | mi_soil_management_group |
| 107 | vasoimgtgrp | VA Soil Mgmt Grp | Choice | Varchar | No | 254 | | | | | va_soil_management_group |
| 108 | mukey | Mapunit Key | String | Varchar | Yes | 30 | | | | | |
| 109 | cokey | Component Key | String | Varchar | Yes | 30 | | | | | |

The Component table lists the map unit components identified in the referenced map unit, and selected properties of each component. If the Component % is greater than zero (low=65, RV=75, high=90) for a component, that component exists in every delineation of that mapunit. If the Component % includes zero (low=0, RV=50, high=90), the component may exist in some delineations, but not in others.

Table Physical Name: copm
Table Label: Component Parent Material

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | pmorder | Vertical Order | Integer | Smallint | No | | | 1 | | | |
| 2 | pmmodifier | Textural Modifier | Choice | Varchar | No | 254 | | | | | parent_material_modifier |
| 3 | pmgenmod | General Modifier | String | Varchar | No | 60 | | | | | |
| 4 | pmkind | Kind | Choice | Varchar | No | 254 | | | | | parent_material_kind |
| 5 | pmorigin | Origin | Choice | Varchar | No | 254 | | | | | parent_material_origin |
| 6 | copmgrpkey | Component Parent Material Group Key | String | Varchar | Yes | 30 | | | | | |
| 7 | copmkey | Component Parent Material Key | String | Varchar | Yes | 30 | | | | | |

The Component Parent Material table lists the individual parent material(s) for the referenced map unit component. In some cases where soils developed in multiple materials in a vertical sequence, that sequence will be noted. In other cases multiple entries with no vertical sequence noted indicates the soil may have formed in one of the materials listed.

Table Physical Name: copmgrp
Table Label: Component Parent Material Group

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | pmgroupname | Group Name | String | Varchar | No | 252 | | | | | |
| 2 | rvindicator | RV? | Boolean | Varchar | Yes | 3 | | | | | |
| 3 | cokey | Component Key | String | Varchar | Yes | 30 | | | | | |
| 4 | copmgrpkey | Component Parent Material Group Key | String | Varchar | Yes | 30 | | | | | |

The Component Parent Material Group table lists the concatenated string of parent material(s) in which the referenced map unit component formed based on entries in the Component Parent Material table. For example, a component formed in one parent material, such as loess, or one vertical sequence of parent materials, such as loamy glacial drift over silty residuum weathered from shale, has one row in this table. A component formed in one parent material in some locations, but another parent material (or sequence of parent materials) in other locations has two rows in this table, one for each parent material (or sequence of parent materials). One row is identified as the representative parent material.

Table Physical Name: copwindbreak
Table Label: Component Potential Windbreak

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | wndbrkht_l | Low | Float | Real | No | | 1 | 0.1 | 35 | meters | |
| 2 | wndbrkht_r | RV | Float | Real | No | | 1 | 0.1 | 35 | meters | |
| 3 | wndbrkht_h | High | Float | Real | No | | 1 | 0.1 | 35 | meters | |
| 4 | plantsym | Plant Symbol | String | Varchar | Yes | 8 | | | | | |
| 5 | plantsciname | Scientific Name | String | Varchar | No | 127 | | | | | |
| 6 | plantcomname | Common Name | String | Varchar | No | 60 | | | | | |
| 7 | cokey | Component Key | String | Varchar | Yes | 30 | | | | | |
| 8 | copwindbreakkey | Component Potential Windbreak Key | String | Varchar | Yes | 30 | | | | | |

The Component Potential Windbreak table lists the windbreak plant species commonly recommended for the referenced map unit component. A windbreak plant listed in this table may be used alone or in combination with other plants.

Table Physical Name: corestrictions
Table Label: Component Restrictions

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | reskind | Kind | Choice | Varchar | No | 254 | | | | | restriction_kind |
| 2 | reshard | Hardness | Choice | Varchar | No | 254 | | | | | rupture_resist_block_cem |
| 3 | resdept_l | Low | Integer | Smallint | No | | | 0 | 9999 | cm | |
| 4 | resdept_r | RV | Integer | Smallint | No | | | 0 | 9999 | cm | |
| 5 | resdept_h | High | Integer | Smallint | No | | | 0 | 9999 | cm | |
| 6 | resdepb_l | Low | Integer | Smallint | No | | | 0 | 9999 | cm | |
| 7 | resdepb_r | RV | Integer | Smallint | No | | | 0 | 9999 | cm | |
| 8 | resdepb_h | High | Integer | Smallint | No | | | 0 | 9999 | cm | |
| 9 | resthk_l | Low | Integer | Smallint | No | | | 0 | 999 | cm | |
| 10 | resthk_r | RV | Integer | Smallint | No | | | 0 | 999 | cm | |
| 11 | resthk_h | High | Integer | Smallint | No | | | 0 | 999 | cm | |
| 12 | cokey | Component Key | String | Varchar | Yes | 30 | | | | | |
| 13 | corestrictkey | Component Restrictions Key | String | Varchar | Yes | 30 | | | | | |

The Component Restrictions table lists the root restrictive feature(s) or layer(s) for the referenced map unit component. If the thickness of the restrictive layer is greater than zero (low=5, RV=8, high=10), the restrictive layer exists in all delineations of the map unit where the component occurs. If the thickness of the restrictive layer includes zero (low=0, RV=2, high=5), the restrictive layer may exist in some delineations, but not in others. This table will be empty if the component does not have restrictive features, but could have several rows if several restrictive features occur in the soil.

Table Physical Name: cosoilmoist
Table Label: Component Soil Moisture

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | soimoistdept_l | Low | Integer | Smallint | No | | | 0 | 9999 | cm | |
| 2 | soimoistdept_r | RV | Integer | Smallint | No | | | 0 | 9999 | cm | |
| 3 | soimoistdept_h | High | Integer | Smallint | No | | | 0 | 9999 | cm | |
| 4 | soimoistdepb_l | Low | Integer | Smallint | No | | | 0 | 9999 | cm | |
| 5 | soimoistdepb_r | RV | Integer | Smallint | No | | | 0 | 9999 | cm | |
| 6 | soimoistdepb_h | High | Integer | Smallint | No | | | 0 | 9999 | cm | |
| 7 | soimoiststat | Moisture Status | Choice | Varchar | No | 254 | | | | | soil_moisture_status |
| 8 | comonthkey | Component Month Key | String | Varchar | Yes | 30 | | | | | |
| 9 | cosoilmoistkey | Component Soil Moisture Key | String | Varchar | Yes | 30 | | | | | |

The Component Soil Moisture table describes the typical soil moisture profile for the referenced map unit component during the month referenced in the Component Month table. The soil moisture profiles for each month, taken as a group of twelve months, describe the representative situation for the component throughout the year.

Table Physical Name: cosoiltemp
Table Label: Component Soil Temperature

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | soitempmm | Monthly Temp | Integer | Smallint | No | | | -25 | 50 | degrees c | |
| 2 | soitempdept_l | Low | Integer | Smallint | No | | | 0 | 9999 | cm | |
| 3 | soitempdept_r | RV | Integer | Smallint | No | | | 0 | 9999 | cm | |
| 4 | soitempdept_h | High | Integer | Smallint | No | | | 0 | 9999 | cm | |
| 5 | soitempdepb_l | Low | Integer | Smallint | No | | | 0 | 9999 | cm | |
| 6 | soitempdepb_r | RV | Integer | Smallint | No | | | 0 | 9999 | cm | |
| 7 | soitempdepb_h | High | Integer | Smallint | No | | | 0 | 9999 | cm | |
| 8 | comonthkey | Component Month Key | String | Varchar | Yes | 30 | | | | | |
| 9 | cosoiltempkey | Component Soil Temperature Key | String | Varchar | Yes | 30 | | | | | |

The Component Soil Temperature table describes the typical soil temperature profile for the referenced map unit component during the month referenced in the Component Month table. The soil temperature profiles for each month, taken as a group of twelve months, describe the representative situation for the component throughout the year.

Table Physical Name: cosurffrags
Table Label: Component Surface Fragments

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | sfragcov_l | Low | Float | Real | No | | 2 | 0 | 100 | percent | |
| 2 | sfragcov_r | RV | Float | Real | No | | 2 | 0 | 100 | percent | |
| 3 | sfragcov_h | High | Float | Real | No | | 2 | 0 | 100 | percent | |
| 4 | distrocks_l | Low | Float | Real | No | | 2 | 0 | 50 | meters | |
| 5 | distrocks_r | RV | Float | Real | No | | 2 | 0 | 50 | meters | |
| 6 | distrocks_h | High | Float | Real | No | | 2 | 0 | 50 | meters | |
| 7 | sfragkind | Kind | Choice | Varchar | No | 254 | | | | | fragment_kind |
| 8 | sfragsize_l | Low | Integer | Smallint | No | | | 2 | 3000 | mm | |
| 9 | sfragsize_r | RV | Integer | Smallint | No | | | 2 | 3000 | mm | |
| 10 | sfragsize_h | High | Integer | Smallint | No | | | 2 | 3000 | mm | |
| 11 | sfragshp | Shape | Choice | Varchar | No | 254 | | | | | fragment_shape |
| 12 | sfraground | Roundness | Choice | Varchar | No | 254 | | | | | fragment_roundness |
| 13 | sfraghard | Hardness | Choice | Varchar | No | 254 | | | | | rupture_resist_block_cem |
| 14 | cokey | Component Key | String | Varchar | Yes | 30 | | | | | |
| 15 | cosurffragskey | Component Surface Fragments Key | String | Varchar | Yes | 30 | | | | | |

The Component Surface Fragments table lists the organic or mineral fragments that generally occur on the surface of the referenced map unit component. If the cover percent is greater than zero (low=0.1, RV=1, high=3) for a row in this table, the fragment is in every delineation of the map unit where the referenced component occurs. If the Cover % includes zero (low=0, RV=0.01, high=1) for a row in this table, the fragment may exist in some delineations and not in others.

Table Physical Name: cosurfmorphgc
Table Label: Component Three Dimensional Surface Morphometry

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | geomposmntn | Geomorphic Component - Mountains | Choice | Varchar | No | 254 | | | | | geomor_pos_mountain |
| 2 | geomposhill | Geomorphic Component - Hills | Choice | Varchar | No | 254 | | | | | geomor_pos_hill |
| 3 | geompostrce | Geomorphic Component - Terraces | Choice | Varchar | No | 254 | | | | | geomor_pos_terrace |
| 4 | geomposflats | Geomorphic Component - Flats | Choice | Varchar | No | 254 | | | | | geomor_pos_flat |
| 5 | cogeomdkey | Component Geomorphic Description Key | String | Varchar | Yes | 30 | | | | | |
| 6 | cosurfmorgckey | Component Surface Morphometry - Geomorphic Component Key | String | Varchar | Yes | 30 | | | | | |

The Component Three Dimensional Surface Morphometry table lists the typical geomorphic position (s) of the referenced map unit component, in three dimension terms. The geomorphic position(s) listed in this table apply to the geomorphic feature referenced in the Component Geomorphic Description table.

Table Physical Name: cosurfmorphhpp
Table Label: Component Two Dimensional Surface Morphometry

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | hillslopeprof | Hillslope Profile | Choice | Varchar | No | 254 | | | | | hillslope_profile |
| 2 | cogeomdkey | Component Geomorphic Description Key | String | Varchar | Yes | 30 | | | | | |
| 3 | cosurfmorhppkey | Component Surface Morphometry - Hillslope Profile Position | String | Varchar | Yes | 30 | | | | | |

The Component Two Dimensional Surface Morphometry table lists the geomorphic position(s) of the referenced map unit component, in two dimensional hillslope profile terms. The geomorphic position(s) listed in this table apply to the geomorphic feature referenced in the Component Geomorphic Description table.

Table Physical Name: cosurfmorphmr
Table Label: Component Microrelief Surface Morphometry

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | geomicrorelief | Microrelief Kind | Choice | Varchar | No | 254 | | | | | microrelief_kind |
| 2 | cogeomdkey | Component Geomorphic Description Key | String | Varchar | Yes | 30 | | | | | |
| 3 | cosurfmormrkey | Component Surface Morphometry - Micro Relief Key | String | Varchar | Yes | 30 | | | | | |

The Component Microrelief Surface Morphometry table lists microrelief features associated with the referenced geomorphic (microfeature) feature shown in the Component Geomorphic Description table.

Table Physical Name: cosurfmorphss
Table Label: Component Slope Shape Surface Morphometry

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | shapeacross | Slope Shape Across | Choice | Varchar | No | 254 | | | | | slope_shape |
| 2 | shapedown | Slope Shape Up/Down | Choice | Varchar | No | 254 | | | | | slope_shape |
| 3 | cogeomdkey | Component Geomorphic Description Key | String | Varchar | Yes | 30 | | | | | |
| 4 | cosurfmorsskey | Component Surface Morphometry - Slope Shape Key | String | Varchar | Yes | 30 | | | | | |

The Component Slope Shape Surface Morphometry table lists the geomorphic shape(s) of the referenced map unit component, in slope shape terms. The slope shape terms listed in this table apply to the referenced geomorphic feature shown in the Component Geomorphic Description table.

Table Physical Name: cotaxfmmin
Table Label: Component Taxonomic Family Mineralogy

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | taxminalogy | Mineralogy | Choice | Varchar | No | 254 | | | | | taxonomic_family_mineralogy |
| 2 | cokey | Component Key | String | Varchar | Yes | 30 | | | | | |
| 3 | cotaxfmminkey | Component Taxonomic Family Mineralogy Key | String | Varchar | Yes | 30 | | | | | |

The Component Taxonomic Family Mineralogy table lists the mineralogy characteristics, as defined in Soil Taxonomy, that apply to the referenced map unit component.

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

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | taxmoistcl | Moisture Class | Choice | Varchar | No | 254 | | | | | taxonomic_moisture_class |
| 2 | cokey | Component Key | String | Varchar | Yes | 30 | | | | | |
| 3 | cotaxmckey | Component Taxonomic Family Moisture Class Key | String | Varchar | Yes | 30 | | | | | |

The Component Taxonomic Moisture Class table provides clear identification of the intended taxonomic moisture class, as defined in Soil Taxonomy, that apply to the referenced map unit component, even though moisture class is implied at a higher taxonomic level. The class or classes listed in this table describe the representative situation for the component.

Table Physical Name: cotext
Table Label: Component Text

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | recdate | Date | Date/Time | Datetime | No | | | | | | |
| 2 | comptextkind | Kind | Choice | Varchar | No | 254 | | | | | component_text_kind |
| 3 | textcat | Category | String | Varchar | No | 20 | | | | | |
| 4 | textsubcat | Subcategory | String | Varchar | No | 20 | | | | | |
| 5 | text | Text | Narrative Text | Text | No | | | | | | |
| 6 | cokey | Component Key | String | Varchar | Yes | 30 | | | | | |
| 7 | cotextkey | Component Text Key | String | Varchar | Yes | 30 | | | | | |

The Component Text table contains notes and narrative descriptions for the referenced map unit component. In many cases, the table will be empty for a particular component.

Table Physical Name: cotreestomng
Table Label: Component Trees To Manage

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | plantsym | Plant Symbol | String | Varchar | Yes | 8 | | | | | |
| 2 | plantsciname | Scientific Name | String | Varchar | No | 127 | | | | | |
| 3 | plantcomname | Common Name | String | Varchar | No | 60 | | | | | |
| 4 | cokey | Component Key | String | Varchar | Yes | 30 | | | | | |
| 5 | cotreestomngkey | Component Trees to Manage Key | String | Varchar | Yes | 30 | | | | | |

The Component Trees To Manage table lists the trees commonly recommended for managing on the referenced map unit component.

Table Physical Name: cotxfmother
Table Label: Component Taxonomic Family Other Criteria

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | taxfamother | Family Other | Choice | Varchar | No | 254 | | | | | taxonomic_family_other |
| 2 | cokey | Component Key | String | Varchar | Yes | 30 | | | | | |
| 3 | cotaxfokey | Component Taxonomic Family Other Key | String | Varchar | Yes | 30 | | | | | |

The Component Taxonomic Family Other Criteria table lists the other taxonomic characteristics, such as classes of coatings or permanent cracks, as defined in Soil Taxonomy, that apply to the referenced map unit component. The characteristics listed in this table describe the representative situation for the component.

Table Physical Name: distinterpmd
Table Label: Distribution Interp Metadata

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | rulename | Rule Name | String | Varchar | No | 60 | | | | | |
| 2 | ruledesign | Rule Design | Choice | Varchar | Yes | 254 | | | | | rule_design |
| 3 | ruledesc | Description | Narrative Text | Text | No | | | | | | |
| 4 | dataafuse | Ready to use? | Boolean | Varchar | No | 3 | | | | | |
| 5 | mrecentrulecwlu | Most Recent Rule Component When Last Updated | Date/Time | Datetime | No | | | | | | |
| 6 | rulekey | Rule Key | String | Varchar | Yes | 30 | | | | | |
| 7 | distmdkey | Distribution Metadata Key | String | Varchar | Yes | 30 | | | | | |
| 8 | distinterpmdkey | Distribution Interpretation Metadata Key | String | Varchar | Yes | 30 | | | | | |

The Distribution Interp Metadata table records the set of NASIS fuzzy logic interpretations which were generated for the map unit components included in a set of distribution data.

Table Physical Name: distlegendmd
Table Label: Distribution Legend Metadata

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | areatypename | Area Type Name | String | Varchar | No | 45 | | | | | |
| 2 | areasymbol | Area Symbol | String | Varchar | No | 20 | | | | | |
| 3 | areaname | Area Name | String | Varchar | No | 135 | | | | | |
| 4 | ssastatus | Survey Status | Choice | Varchar | No | 254 | | | | | soil_survey_area_status |
| 5 | cordate | Correlation Date | Date/Time | Datetime | No | | | | | | |
| 6 | exportcertstatus | Export Certification Status | Choice | Varchar | No | 254 | | | | | export_certification_status |
| 7 | exportcertdate | Export Certification Date | Date/Time | Datetime | No | | | | | | |
| 8 | exportmetadata | Export Metadata | Narrative Text | Text | No | | | | | | |
| 9 | lkey | Legend Key | String | Varchar | Yes | 30 | | | | | |
| 10 | distmdkey | Distribution Metadata Key | String | Varchar | Yes | 30 | | | | | |
| 11 | distlegendmdkey | Distribution Legend Metadata Key | String | Varchar | Yes | 30 | | | | | |

The Distribution Legend Metadata table records information about the legends or soil survey areas selected for inclusion in a set of distributed data. The presence of a legend in this table does not imply that all of the available data for that legend was included in the set of data that was distributed. Only certain map units and components for that legend may have been selected. The record of the criteria used for selecting map units and components may be found in the Distribution Metadata table.

Table Physical Name: distmd
Table Label: Distribution Metadata

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | distgendate | Distribution Generation Date | Date/Time | Datetime | No | | | | | | |
| 2 | diststatus | Distribution Status | Choice | Varchar | Yes | 254 | | | | | distribution_status |
| 3 | interpmaxreasons | Interpretation Maximum Reasons | Integer | Smallint | No | | | 0 | | | |
| 4 | distmdkey | Distribution Metadata Key | String | Varchar | Yes | 30 | | | | | |

The Distribution Metadata table records information associated with the selection of a set of data for distribution to some entity or information system external to NASIS. A set of distribution data may include only selected map units from a legend or legends, and only selected components of those map units. This table records the criteria used for selecting map units and components for inclusion in the set of distributed data. Other recorded information includes the name of the NASIS user who initiated a distribution request, and the times when that request was made, and when that request was ultimately processed.

# SSURGO 2.2.6
## Tables and Columns

Table Physical Name: featdesc
Table Label: Feature Description

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | areasymbol | Area Symbol | String | Varchar | Yes | 20 | | | | | |
| 2 | spatialversion | Spatial Version | Integer | Int | Yes | | | | | | |
| 3 | featsym | Feature Symbol | String | Varchar | Yes | 3 | | | | | |
| 4 | featname | Feature Name | String | Varchar | Yes | 80 | | | | | |
| 5 | featdesc | Feature Description | Narrative Text | Text | Yes | | | | | | |
| 6 | featkey | Feature Key | String | Varchar | Yes | 30 | | | | | |

This table records the description of all spot features that occur in a soil survey area.

# SSURGO 2.2.6
## Tables and Columns

Table Physical Name: featline
Table Label: Feature Line

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | areasymbol | Area Symbol | String | Varchar | Yes | 20 | | | | | |
| 2 | spatialversion | Spatial Version | Integer | Int | Yes | | | | | | |
| 3 | featsym | Feature Symbol | String | Varchar | Yes | 3 | | | | | |
| 4 | featkey | Feature Key | String | Varchar | Yes | 30 | | | | | |

This table records all of the spot features of a soil survey area that are represented as one or more lines. This table is not like other tabular data tables that are delivered as ASCII delimited files. How the information is delivered depends on the spatial format that was requested at the time the corresponding soil survey area was exported. Spatial information is typically delivered in GIS vendor specific format, and more than one output file may be produced when the information for this spatial entity is exported. Consequently, no spatially oriented columns are shown, because the name and number of columns necessary to portray spatial characteristics vary depending on spatial format.

This table is documented in order to show attributes that will always be available when working with the corresponding spatial entity in a GIS. These attributes have two purposes. One purpose is to identify each instance of the corresponding spatial entity. The other purpose is to identify each instance of the corresponding tabular entity. The tabular entity corresponding to a spot feature line is represented by a record in the Feature Description table.

# SSURGO 2.2.6
## Tables and Columns

Table Physical Name: featpoint
Table Label: Feature Point

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | areasymbol | Area Symbol | String | Varchar | Yes | 20 | | | | | |
| 2 | spatialversion | Spatial Version | Integer | Int | Yes | | | | | | |
| 3 | featsym | Feature Symbol | String | Varchar | Yes | 3 | | | | | |
| 4 | featkey | Feature Key | String | Varchar | Yes | 30 | | | | | |

This table records all of the spot features of a soil survey area that are represented as one or more points. This table is not like other tabular data tables that are delivered as ASCII delimited files. How the information is delivered depends on the spatial format that was requested at the time the corresponding soil survey area was exported. Spatial information is typically delivered in GIS vendor specific format, and more than one output file may be produced when the information for this spatial entity is exported. Consequently, no spatially oriented columns are shown, because the name and number of columns necessary to portray spatial characteristics vary depending on spatial format.

This table is documented in order to show attributes that will always be available when working with the corresponding spatial entity in a GIS. These attributes have two purposes. One purpose is to identify each instance of the corresponding spatial entity. The other purpose is to identify each instance of the corresponding tabular entity. The tabular entity corresponding to a spot feature point is represented by a record in the Feature Description table.

Table Physical Name: laoverlap
Table Label: Legend Area Overlap

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | areatypename | Area Type Name | String | Varchar | Yes | 45 | | | | | |
| 2 | areasymbol | Area Symbol | String | Varchar | Yes | 20 | | | | | |
| 3 | areaname | Area Name | String | Varchar | No | 135 | | | | | |
| 4 | areaovacres | Overlap Acres | Integer | Int | No | | | 0 | | acres | |
| 5 | lkey | Legend Key | String | Varchar | Yes | 30 | | | | | |
| 6 | lareaovkey | Legend Area Overlap Key | String | Varchar | Yes | 30 | | | | | |

The Legend Area Overlap table lists the geographic areas that are coincident with the soil survey area identified in the Legend table. For example, a survey area that covers two counties would have two rows in this table, one for each county. Other types of geographic areas listed might include state, MLRA, rainfall (R) factor area, climate (C) factor area, etc.

Table Physical Name: legend
Table Label: Legend

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | areatypename | Area Type Name | String | Varchar | Yes | 45 | | | | | |
| 2 | areasymbol | Area Symbol | String | Varchar | Yes | 20 | | | | | |
| 3 | areaname | Area Name | String | Varchar | No | 135 | | | | | |
| 4 | areaacres | Area Acres | Integer | Int | No | | | 0 | | acres | |
| 5 | mlraoffice | MLRA Office | Choice | Varchar | No | 254 | | | | | mlra_office |
| 6 | legenddesc | Legend Description | String | Varchar | No | 60 | | | | | |
| 7 | ssastatus | Survey Status | Choice | Varchar | No | 254 | | | | | soil_survey_area_status |
| 8 | mouagncyresp | MOU Agency Responsible | Choice | Varchar | No | 254 | | | | | mou_agency_responsible |
| 9 | projectscale | Project Scale | Integer | Int | No | | | | | | |
| 10 | cordate | Correlation Date | Date/Time | Datetime | No | | | | | | |
| 11 | ssurgoarchived | SSURGO Archived | Date/Time | Datetime | No | | | | | | |
| 12 | legendsuituse | Geographic Applicability | Choice | Varchar | No | 254 | | | | | legend_suitability_for_use |
| 13 | legendcertstat | Legend Certification Status | Choice | Varchar | No | 254 | | | | | legend_certification_status |
| 14 | lkey | Legend Key | String | Varchar | Yes | 30 | | | | | |

The Legend table identifies the soil survey area that the legend is related to, and related information about that legend.

Table Physical Name: legendtext
Table Label: Legend Text

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | recdate | Date | Date/Time | Datetime | No | | | | | | |
| 2 | legendtextkind | Kind | Choice | Varchar | No | 254 | | | | | legend_text_kind |
| 3 | textcat | Category | String | Varchar | No | 20 | | | | | |
| 4 | textsubcat | Subcategory | String | Varchar | No | 20 | | | | | |
| 5 | text | Text | Narrative Text | Text | No | | | | | | |
| 6 | lkey | Legend Key | String | Varchar | Yes | 30 | | | | | |
| 7 | legtextkey | Legend Text Key | String | Varchar | Yes | 30 | | | | | |

The Legend Text table contains notes and narrative descriptions related to the referenced legend. Legend text is optional. In many cases, this table is empty.

# SSURGO 2.2.6
## Tables and Columns

Table Physical Name: mapunit
Table Label: Mapunit

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | musym | Mapunit Symbol | String | Varchar | Yes | 6 | | | | | |
| 2 | muname | Mapunit Name | String | Varchar | No | 175 | | | | | |
| 3 | mukind | Kind | Choice | Varchar | No | 254 | | | | | mapunit_kind |
| 4 | mustatus | Status | Choice | Varchar | No | 254 | | | | | mapunit_status |
| 5 | muacres | Total Acres | Integer | Int | No | | | 0 | | acres | |
| 6 | mapunitlfw_l | Low | Integer | Smallint | No | | | | | meters | |
| 7 | mapunitlfw_r | RV | Integer | Smallint | No | | | | | meters | |
| 8 | mapunitlfw_h | High | Integer | Smallint | No | | | | | meters | |
| 9 | mapunitpfa_l | Low | Float | Real | No | | 1 | 0.1 | 10 | acres | |
| 10 | mapunitpfa_r | RV | Float | Real | No | | 1 | 0.1 | 10 | acres | |
| 11 | mapunitpfa_h | High | Float | Real | No | | 1 | 0.1 | 10 | acres | |
| 12 | farmlndcl | Farm Class | Choice | Varchar | No | 254 | | | | | farmland_classification |
| 13 | muhelcl | HEL | Choice | Varchar | No | 254 | | | | | mapunit_hel_class |
| 14 | muwathelcl | HEL Water | Choice | Varchar | No | 254 | | | | | mapunit_hel_class |
| 15 | muwndhelcl | HEL Wind | Choice | Varchar | No | 254 | | | | | mapunit_hel_class |
| 16 | interpfocus | Interpretive Focus | String | Varchar | No | 30 | | | | | |
| 17 | invesintens | Order of Mapping | Choice | Varchar | No | 254 | | | | | investigation_intensity |
| 18 | iacornsr | IA CSR | Integer | Smallint | No | | | 5 | 100 | | |
| 19 | nhiforsoigrp | NH Forest Soil Grp | Choice | Varchar | No | 254 | | | | | nh_important_forest_soil_group |
| 20 | nhspiagr | NH SPI Agr | Float | Float | No | | 1 | 0 | 100 | | |
| 21 | vtsepticsyscl | VT Septic System | Choice | Varchar | No | 254 | | | | | vt_septic_system_class_2007 |
| 22 | mucertstat | Map Unit Certification Status | Choice | Varchar | No | 254 | | | | | mapunit_certification_status |
| 23 | lkey | Legend Key | String | Varchar | Yes | 30 | | | | | |
| 24 | mukey | Mapunit Key | String | Varchar | Yes | 30 | | | | | |

The Mapunit table identifies the map units included in the referenced legend. Data related the map unit as a whole are also given.

Table Physical Name: mdstatdomdet
Table Label: Domain Detail Static Metadata

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | domainname | Domain Name | String | Varchar | Yes | 40 | | | | | |
| 2 | choicesequence | Choice Sequence | Integer | Smallint | Yes | | | | | | |
| 3 | choice | Choice | String | Varchar | Yes | 254 | | | | | |
| 4 | choicedesc | Choice Description | Narrative Text | Text | No | | | | | | |
| 5 | choiceobsolete | Obsolete Choice? | Boolean | Varchar | Yes | 3 | | | | | |

The Domain Detail Static Metadata table records the individual domain members for all domains associated with the tabular data set. Each record in this table represents one member of a particular domain.

Table Physical Name: mdstatdommas
Table Label: Domain Master Static Metadata

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | domainname | Domain Name | String | Varchar | Yes | 40 | | | | | |
| 2 | domainmaxlen | Domain Maximum Length | Integer | Smallint | Yes | | | 1 | 254 | | |

The Domain Master Static Metadata table records the metadata that pertains to a domain as a whole, for all domains associated with the tabular data set. A domain is a fixed set of choices to which a column's value is restricted. Each column in the Table Column Static Metadata table whose logical data type is "choice", has a corresponding domain. Each record in this table represents a particular domain. A particular domain may serve as the domain for more than one column. Information about the members that make up a particular domain is found in the Domain Detail Static Metadata table.

# SSURGO 2.2.6
## Tables and Columns

Table Physical Name: mdstatidxdet
Table Label: Index Detail Static Metadata

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | tabphyname | Table Physical Name | String | Varchar | Yes | 30 | | | | | |
| 2 | idxphyname | Index Physical Name | String | Varchar | Yes | 30 | | | | | |
| 3 | idxcolsequence | Index Column Sequence | Integer | Smallint | Yes | | | | | | |
| 4 | colphyname | Column Physical Name | String | Varchar | Yes | 30 | | | | | |

The Index Detail Static Metadata table records what columns of a table make up a particular index. Each record in this table represents one column of a particular index.

Table Physical Name: mdstatidxmas
Table Label: Index Master Static Metadata

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | tabphyname | Table Physical Name | String | Varchar | Yes | 30 | | | | | |
| 2 | idxphyname | Index Physical Name | String | Varchar | Yes | 30 | | | | | |
| 3 | uniqueindex | Unique Index? | Boolean | Varchar | Yes | 3 | | | | | |

The Index Master Static Metadata table records the metadata that pertains to an index, as a whole, for all indexes defined for the tabular data set. Each record in this table represents one index for a particular table. An index is based on one or more columns from a particular table. Information about the columns that make up an index is found in the Index Detail Static Metadata table.

Table Physical Name: mdstatrshipdet
Table Label: Relationship Detail Static Metadata

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | ltabphyname | Left Table Physical Name | String | Varchar | Yes | 30 | | | | | |
| 2 | rtabphyname | Right Table Physical Name | String | Varchar | Yes | 30 | | | | | |
| 3 | relationshipname | Relationship Name | String | Varchar | Yes | 30 | | | | | |
| 4 | ltabcolphyname | Left Table Column Physical Name | String | Varchar | Yes | 30 | | | | | |
| 5 | rtabcolphyname | Right Table Column Physical Name | String | Varchar | Yes | 30 | | | | | |

The Relationship Detail Static Metadata table records the pairs of join columns that define a particular relationship. Each record in this table represents one pair of join columns for a particular relationship.

Table Physical Name: mdstatrshipmas
Table Label: Relationship Master Static Metadata

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | ltabphyname | Left Table Physical Name | String | Varchar | Yes | 30 | | | | | |
| 2 | rtabphyname | Right Table Physical Name | String | Varchar | Yes | 30 | | | | | |
| 3 | relationshipname | Relationship Name | String | Varchar | Yes | 30 | | | | | |
| 4 | cardinality | Cardinality | Choice | Varchar | Yes | 254 | | | | | cardinality |
| 5 | mandatory | Mandatory? | Boolean | Varchar | Yes | 3 | | | | | |

The Relationship Master Static Metadata table records the metadata that pertains to a relationship, as a whole, for all relationships defined for the tabular data set. Each record in this table represents one particular relationship between two related tables. A relationship involves one or more pairs of join columns, and more than one relationship may exist between the same two tables. Information about the join columns involved in a relationship is found in the Relationship Detail Static Metadata table.

Table Physical Name: mdstattabcols
Table Label: Table Column Static Metadata

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | tabphyname | Table Physical Name | String | Varchar | Yes | 30 | | | | | |
| 2 | colsequence | Column Sequence | Integer | Smallint | Yes | | | | | | |
| 3 | colphyname | Column Physical Name | String | Varchar | Yes | 30 | | | | | |
| 4 | collogname | Column Logical Name | String | Varchar | Yes | 30 | | | | | |
| 5 | collabel | Column Label | String | Varchar | Yes | 80 | | | | | |
| 6 | logicaldatatype | Logical Data Type | Choice | Varchar | Yes | 254 | | | | | logical_data_type_ssurgo |
| 7 | notnull | Not Null? | Boolean | Varchar | Yes | 3 | | | | | |
| 8 | fieldsize | Field Size | Integer | Smallint | No | | | | | | |
| 9 | precision | Precision | Integer | Smallint | No | | | | | | |
| 10 | minimum | Minimum | Float | Float | No | | 2 | | | | |
| 11 | maximum | Maximum | Float | Float | No | | 2 | | | | |
| 12 | uom | Unit of Measure | String | Varchar | No | 60 | | | | | |
| 13 | domainname | Domain Name | String | Varchar | No | 40 | | | | | |
| 14 | coldesc | Column Description | Narrative Text | Text | Yes | | | | | | |

The Table Column Static Metadata table records the metadata for all columns of all tables that make up the tabular data set. Each record in this table represents one column of a particular table.

# SSURGO 2.2.6
## Tables and Columns

Table Physical Name: mdstattabs
Table Label: Table Static Metadata

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | tabphyname | Table Physical Name | String | Varchar | Yes | 30 | | | | | |
| 2 | tablogname | Table Logical Name | String | Varchar | Yes | 30 | | | | | |
| 3 | tablabel | Table Label | String | Varchar | Yes | 80 | | | | | |
| 4 | tabdesc | Table Description | Narrative Text | Text | Yes | | | | | | |
| 5 | iefilename | Import/Export File Name | String | Varchar | Yes | 30 | | | | | |

The Table Static Metadata table records metadata about the tables that make up the tabular data set. Each record in this table represents one table.

Table Physical Name: month
Table Label: Month

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | monthseq | Month Sequence | Integer | Smallint | Yes | | | 1 | 12 | | |
| 2 | monthname | Month Name | String | Varchar | Yes | 9 | | | | | flooding_ponding_month |

This is a lookup table for months of the year.

Table Physical Name: muaggatt
Table Label: Mapunit Aggregated Attribute

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | musym | Mapunit Symbol | String | Varchar | Yes | 6 | | | | | |
| 2 | muname | Mapunit Name | String | Varchar | No | 175 | | | | | |
| 3 | mustatus | Status | Choice | Varchar | No | 254 | | | | | mapunit_status |
| 4 | slopegraddcp | Slope Gradient - Dominant Component | Float | Real | No | | 1 | | | percent | |
| 5 | slopegradwta | Slope Gradient - Weighted Average | Float | Real | No | | 1 | | | percent | |
| 6 | brockdepmin | Bedrock Depth - Minimum | Integer | Smallint | No | | | | | cm | |
| 7 | wtdepannmin | Water Table Depth - Annual - Minimum | Integer | Smallint | No | | | | | cm | |
| 8 | wtdepaprjunmin | Water Table Depth - April - June - Minimum | Integer | Smallint | No | | | | | cm | |
| 9 | flodfreqdcd | Flooding Frequency - Dominant Condition | Choice | Varchar | No | 254 | | | | | flooding_frequency_class |
| 10 | flodfreqmax | Flooding Frequency - Maximum | Choice | Varchar | No | 254 | | | | | flooding_frequency_class |
| 11 | pondfreqprs | Ponding Frequency - Presence | Choice | Varchar | No | 254 | | | | | ponding_frequency_map_legend |
| 12 | aws025wta | Available Water Storage 0-25 cm - Weighted Average | Float | Real | No | | 2 | | | cm | |
| 13 | aws050wta | Available Water Storage 0-50 cm - Weighted Average | Float | Real | No | | 2 | | | cm | |
| 14 | aws0100wta | Available Water Storage 0-100 cm - Weighted Average | Float | Real | No | | 2 | | | cm | |
| 15 | aws0150wta | Available Water Storage 0-150 cm - Weighted Average | Float | Real | No | | 2 | | | cm | |
| 16 | drclassdcd | Drainage Class - Dominant Condition | Choice | Varchar | No | 254 | | | | | drainage_class |
| 17 | drclasswettest | Drainage Class - Wettest | Choice | Varchar | No | 254 | | | | | drainage_class |
| 18 | hydgrpdcd | Hydrologic Group - Dominant Conditions | Choice | Varchar | No | 254 | | | | | hydrologic_group |
| 19 | iccdcd | Irrigated Capability Class - Dominant Condition | Choice | Varchar | No | 254 | | | | | capability_class |
| 20 | iccdcdpct | Irrigated Capability Class - Dominant Condition Aggregate Percent | Integer | Smallint | No | | | 0 | 100 | | |
| 21 | niccdcd | Non-Irrigated Capability Class - Dominant Condition | Choice | Varchar | No | 254 | | | | | capability_class |

Table Physical Name: muaggatt
Table Label: Mapunit Aggregated Attribute

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 22 | niccdcdpct | Non-Irrigated Capability Class - Dominant Condition Aggregate Percent | Integer | Smallint | No | | | 0 | 100 | | |
| 23 | engdwobdcd | ENG - Dwellings W/O Basements - Dominant Condition | String | Varchar | No | 254 | | | | | |
| 24 | engdwbdcd | ENG - Dwellings with Basements - Dominant Condition | String | Varchar | No | 254 | | | | | |
| 25 | engdwbll | ENG - Dwellings with Basements - Least Limiting | String | Varchar | No | 254 | | | | | |
| 26 | engdwbml | ENG - Dwellings with Basements - Most Limiting | String | Varchar | No | 254 | | | | | |
| 27 | engstafdcd | ENG - Septic Tank Absorption Fields - Dominant Condition | String | Varchar | No | 254 | | | | | |
| 28 | engstafll | ENG - Septic Tank Absorption Fields - Least Limiting | String | Varchar | No | 254 | | | | | |
| 29 | engstafml | ENG - Septic Tank Absorption Fields - Most Limiting | String | Varchar | No | 254 | | | | | |
| 30 | engsldcd | ENG - Sewage Lagoons - Dominant Condition | String | Varchar | No | 254 | | | | | |
| 31 | engsldcp | ENG - Sewage Lagoons - Dominant Component | String | Varchar | No | 254 | | | | | |
| 32 | englrsdcd | ENG - Local Roads and Streets - Dominant Condition | String | Varchar | No | 254 | | | | | |
| 33 | engcmssdcd | ENG - Construction Materials; Sand Source - Dominant Condition | String | Varchar | No | 254 | | | | | |
| 34 | engcmssmp | ENG - Construction Materials; Sand Source - Most Probable | String | Varchar | No | 254 | | | | | |
| 35 | urbrecptdcd | URB/REC - Paths and Trails - Dominant Condition | String | Varchar | No | 254 | | | | | |
| 36 | urbrecptwta | URB/REC - Paths and Trails - Weighted Average | Float | Real | No | | 2 | | | | |
| 37 | forpehrtdcp | FOR - Potential Erosion Hazard (Road/Trail) - Dominant Component | String | Varchar | No | 254 | | | | | |
| 38 | hydclprs | Hydric Classification - Presence | Choice | Varchar | No | 254 | | | | | hydric_classification_map_legend |

Table Physical Name: muaggatt
Table Label: Mapunit Aggregated Attribute

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 39 | awmmfpwwta | AWM - Manure and Food Processing Waste - Weighted Average | Float | Real | No | | 2 | | | | |
| 40 | mukey | Mapunit Key | String | Varchar | Yes | 30 | | | | | |

The Mapunit Aggregated Attribute table records a variety of soil attributes and interpretations that have been aggregated from the component level to a single value at the map unit level. They have been aggregated by one or more appropriate means in order to express a consolidated value or interpretation for the map unit as a whole.

Table Physical Name: muaoverlap
Table Label: Mapunit Area Overlap

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | areaovacres | Overlap Acres | Integer | Int | No | | | 0 | | acres | |
| 2 | lareaovkey | Legend Area Overlap Key | String | Varchar | Yes | 30 | | | | | |
| 3 | mukey | Mapunit Key | String | Varchar | Yes | 30 | | | | | |
| 4 | muareaovkey | Mapunit Area Overlap Key | String | Varchar | Yes | 30 | | | | | |

The Mapunit Area Overlap table lists the map units that exist in the overlap between the entire soil survey area and the referenced geographic area in the Legend Area Overlap table.

Table Physical Name: mucropyld
Table Label: Mapunit Crop Yield

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | cropname | Crop Name | Choice | Varchar | No | 254 | | | | | crop_name |
| 2 | yldunits | Units | Choice | Varchar | No | 254 | | | | | crop_yield_units |
| 3 | nonirryield_l | Low | Float | Real | No | | 2 | 0 | 9999.99 | | |
| 4 | nonirryield_r | RV | Float | Real | No | | 2 | 0 | 9999.99 | | |
| 5 | nonirryield_h | High | Float | Real | No | | 2 | 0 | 9999.99 | | |
| 6 | irryield_l | Low | Float | Real | No | | 2 | 0 | 9999.99 | | |
| 7 | irryield_r | RV | Float | Real | No | | 2 | 0 | 9999.99 | | |
| 8 | irryield_h | High | Float | Real | No | | 2 | 0 | 9999.99 | | |
| 9 | mukey | Mapunit Key | String | Varchar | Yes | 30 | | | | | |
| 10 | mucrpyldkey | Mapunit Crop Yield Key | String | Varchar | Yes | 30 | | | | | |

The Mapunit Crop Yield table lists commonly grown crops and their expected yields for the referenced map unit as a whole. Yields for individual map unit components are given in the Component Crop Yield table.

Table Physical Name: muline
Table Label: Mapunit Line

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | areasymbol | Area Symbol | String | Varchar | Yes | 20 | | | | | |
| 2 | spatialversion | Spatial Version | Integer | Int | Yes | | | | | | |
| 3 | musym | Mapunit Symbol | String | Varchar | Yes | 6 | | | | | |
| 4 | mukey | Mapunit Key | String | Varchar | Yes | 30 | | | | | |

This table records all of the soil map units of a soil survey area that are represented as one or more lines. This table is not like other tabular data tables that are delivered as ASCII delimited files. How the information is delivered depends on the spatial format that was requested at the time the corresponding soil survey area was exported. Spatial information is typically delivered in GIS vendor specific format, and more than one output file may be produced when the information for this spatial entity is exported. Consequently, no spatially oriented columns are shown, because the name and number of columns necessary to portray spatial characteristics vary depending on spatial format.

This table is documented in order to show attributes that will always be available when working with the corresponding spatial entity in a GIS. These attributes have two purposes. One purpose is to identify each instance of the corresponding spatial entity. The other purpose is to identify each instance of the corresponding tabular entity. The tabular entity corresponding to a map unit line is represented by a record in the Map Unit table.

# SSURGO 2.2.6
## Tables and Columns

Table Physical Name: mupoint
Table Label: Mapunit Point

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | areasymbol | Area Symbol | String | Varchar | Yes | 20 | | | | | |
| 2 | spatialversion | Spatial Version | Integer | Int | Yes | | | | | | |
| 3 | musym | Mapunit Symbol | String | Varchar | Yes | 6 | | | | | |
| 4 | mukey | Mapunit Key | String | Varchar | Yes | 30 | | | | | |

This table records all of the soil map units of a soil survey area that are represented as one or more points. This table is not like other tabular data tables that are delivered as ASCII delimited files. How the information is delivered depends on the spatial format that was requested at the time the corresponding soil survey area was exported. Spatial information is typically delivered in GIS vendor specific format, and more than one output file may be produced when the information for this spatial entity is exported. Consequently, no spatially oriented columns are shown, because the name and number of columns necessary to portray spatial characteristics vary depending on spatial format.

This table is documented in order to show attributes that will always be available when working with the corresponding spatial entity in a GIS. These attributes have two purposes. One purpose is to identify each instance of the corresponding spatial entity. The other purpose is to identify each instance of the corresponding tabular entity. The tabular entity corresponding to a map unit point is represented by a record in the Map Unit table.

# SSURGO 2.2.6
## Tables and Columns

Table Physical Name: mupolygon
Table Label: Mapunit Polygon

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | areasymbol | Area Symbol | String | Varchar | Yes | 20 | | | | | |
| 2 | spatialversion | Spatial Version | Integer | Int | Yes | | | | | | |
| 3 | musym | Mapunit Symbol | String | Varchar | Yes | 6 | | | | | |
| 4 | mukey | Mapunit Key | String | Varchar | No | 30 | | | | | |

This table records all of the soil map units of a soil survey area that are represented as one or more polygons. This table is not like other tabular data tables that are delivered as ASCII delimited files. How the information is delivered depends on the spatial format that was requested at the time the corresponding soil survey area was exported. Spatial information is typically delivered in GIS vendor specific format, and more than one output file may be produced when the information for this spatial entity is exported. Consequently, no spatially oriented columns are shown, because the name and number of columns necessary to portray spatial characteristics vary depending on spatial format.

This table is documented in order to show attributes that will always be available when working with the corresponding spatial entity in a GIS. These attributes have two purposes. One purpose is to identify each instance of the corresponding spatial entity. The other purpose is to identify each instance of the corresponding tabular entity. The tabular entity corresponding to a map unit polygon is represented by a record in the Map Unit table.

Table Physical Name: mutext
Table Label: Mapunit Text

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | recdate | Date | Date/Time | Datetime | No | | | | | | |
| 2 | mapunittextkind | Kind | Choice | Varchar | No | 254 | | | | | mapunit_text_kind |
| 3 | textcat | Category | String | Varchar | No | 20 | | | | | |
| 4 | textsubcat | Subcategory | String | Varchar | No | 20 | | | | | |
| 5 | text | Text | Narrative Text | Text | No | | | | | | |
| 6 | mukey | Mapunit Key | String | Varchar | Yes | 30 | | | | | |
| 7 | mutextkey | Mapunit Text Key | String | Varchar | Yes | 30 | | | | | |

The Mapunit Text table contains notes and narrative descriptions related to the referenced map unit.

# SSURGO 2.2.6
## Tables and Columns

Table Physical Name: sacatalog
Table Label: Survey Area Catalog

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | areasymbol | Area Symbol | String | Varchar | Yes | 20 | | | | | |
| 2 | areaname | Area Name | String | Varchar | Yes | 135 | | | | | |
| 3 | saversion | Survey Area Version | Integer | Int | Yes | | | | | | |
| 4 | saverest | Survey Area Version Established | Date/Time | Datetime | Yes | | | | | | |
| 5 | tabularversion | Tabular Version | Integer | Int | Yes | | | | | | |
| 6 | tabularverest | Tabular Version Established | Date/Time | Datetime | Yes | | | | | | |
| 7 | tabnasisexportdate | Tabular NASIS Export Date | Date/Time | Datetime | Yes | | | | | | |
| 8 | tabcertstatus | Tabular Certification Status | Choice | Varchar | No | 254 | | | | | export_certification_status |
| 9 | tabcertstatusdesc | Tabular Certification Status Description | Narrative Text | Text | No | | | | | | |
| 10 | fgdcmetadata | FGDC Metadata | Narrative Text | Text | Yes | | | | | | |
| 11 | sacatalogkey | Survey Area Catalog Key | String | Varchar | Yes | 30 | | | | | |

This table records the primary dynamic cetadata associated with a soil survey area. This includes such things as survey area version, tabular data version, etc. The remaining dynamic metadata, which soil interpretations were generated for the corresponding soil survey area, is recorded in the Survey Area Interpretation table.

Table Physical Name: sainterp
Table Label: Survey Area Interpretation

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | areasymbol | Area Symbol | String | Varchar | Yes | 20 | | | | | |
| 2 | interpname | Interpretation Name | String | Varchar | Yes | 60 | | | | | |
| 3 | interptype | Interpretation Type | Choice | Varchar | Yes | 254 | | | | | rule_design |
| 4 | interpdesc | Interpretation Description | Narrative Text | Text | No | | | | | | |
| 5 | interpdesigndate | Interpretation Design Date | Date/Time | Datetime | Yes | | | | | | |
| 6 | interpgendate | Interpretation Generation Date | Date/Time | Datetime | Yes | | | | | | |
| 7 | interpmaxreasons | Interpretation Maximum Reasons | Integer | Smallint | No | | | 0 | | | |
| 8 | sacatalogkey | Survey Area Catalog Key | String | Varchar | Yes | 30 | | | | | |
| 9 | sainterpkey | Survey Area Interpretation Key | String | Varchar | Yes | 30 | | | | | |

This table records information about the soil interpretations that were generated for a soil survey area.

# SSURGO 2.2.6
## Tables and Columns

Table Physical Name: sapolygon
Table Label: Survey Area Polygon

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | areasymbol | Area Symbol | String | Varchar | Yes | 20 | | | | | |
| 2 | spatialversion | Spatial Version | Integer | Int | Yes | | | | | | |
| 3 | lkey | Legend Key | String | Varchar | Yes | 30 | | | | | |

This table records the set of polygons that make up a soil survey area boundary. The table is not like other tabular data tables that are delivered as ASCII delimited files. How the information in this table is delivered depends of the spatial format that was requested at the time the corresponding soil survey area data was exported. Spatial information is typically delivered in GIS vendor specific format, and more than one output file may be produced when the information for this spatial entity is exported. Consequently, no spatially oriented columns are shown, because the name and number of columns necessary to portray spatial characteristics vary depending on spatial format.

This table is documented in order to show attributes that will always be available when working with the corresponding spatial entity in a GIS. These attributes have two purposes. One purpose is to identify each instance of the corresponding spatial entity. The other purpose is to identify each instance of the corresponding tabular entity. The tabular entity corresponding to the survey area boundary is represented by a record in the Legend table.

Table Physical Name: sdvalgorithm
Table Label: SDV Algorithm

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | algorithmsequence | Algorithm Sequence | Integer | Smallint | Yes | | | | | | |
| 2 | algorithmname | Algorithm Name | String | Varchar | Yes | 50 | | | | | algorithm |
| 3 | algorithminitials | Algorithm Initials | String | Varchar | Yes | 3 | | | | | |
| 4 | algorithmdescription | Algorithm Description | Narrative Text | Text | Yes | | | | | | |

This lookup table records the valid algorithms for aggregating soil property values or soil interpretation results to the map unit level.

Table Physical Name: sdvattribute
Table Label: SDV Attribute

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | attributekey | Attribute Key | Integer | Int | Yes | | | 1 | | | |
| 2 | attributename | Attribute Name | String | Varchar | Yes | 60 | | | | | |
| 3 | attributetablename | Attribute Table Name | String | Varchar | Yes | 30 | | | | | |
| 4 | attributecolumnname | Attribute Column Name | String | Varchar | Yes | 30 | | | | | |
| 5 | attributelogicaldatatype | Attribute Logical Data Type | String | Varchar | Yes | 20 | | | | | sdv_attribute_logical_data_type |
| 6 | attributefieldsize | Attribute Field Size | Integer | Smallint | No | | | 1 | 255 | | |
| 7 | attributeprecision | Attribute Precision | Integer | Smallint | No | | | 1 | 6 | | |
| 8 | attributedescription | Attribute Description | Narrative Text | Text | Yes | | | | | | |
| 9 | attributeuom | Attribute Units of Measure | String | Varchar | No | 60 | | | | | |
| 10 | attributeuomabbrev | Attribute Units of Measure Abbreviation | String | Varchar | No | 30 | | | | | |
| 11 | attributetype | Attribute Type | String | Varchar | Yes | 20 | | | | | attributetype |
| 12 | nasisrulename | NASIS Rule Name | String | Varchar | No | 60 | | | | | |
| 13 | ruledesign | Rule Design | Integer | Smallint | No | | | | | | rule_design |
| 14 | notratedphrase | Not Rated Phrase | String | Varchar | No | 254 | | | | | |
| 15 | mapunitlevelattribflag | Map Unit Level Attribute Flag | Boolean | Smallint | Yes | | | | | | |
| 16 | complevelattribflag | Component Level Attribute Flag | Boolean | Smallint | Yes | | | | | | |
| 17 | cmonthlevelattribflag | Component Month Level Attribute Flag | Boolean | Smallint | Yes | | | | | | |
| 18 | horzlevelattribflag | Horizon Level Attribute Flag | Boolean | Smallint | Yes | | | | | | |
| 19 | tiebreakdomainname | Tie Break Domain Name | String | Varchar | No | 40 | | | | | |
| 20 | tiebreakruleoptionflag | Tie Break Rule Option Flag | Boolean | Smallint | Yes | | | | | | |
| 21 | tiebreaklowlabel | Tie Break Low Label | String | Varchar | No | 20 | | | | | |
| 22 | tiebreakhighlabel | Tie Break High Label | String | Varchar | No | 20 | | | | | |
| 23 | tiebreakrule | Tie Break Rule | Integer | Smallint | Yes | | | | | | tiebreakrule |
| 24 | resultcolumnname | Result Column Name | String | Varchar | Yes | 10 | | | | | |
| 25 | sqlwhereclause | SQL Where Clause | String | Varchar | No | 255 | | | | | |
| 26 | primaryconcolname | Primary Constraint Column Name | String | Varchar | No | 30 | | | | | |
| 27 | pcclogicaldatatype | Primary Constraint Column Logical Data Type | String | Varchar | No | 20 | | | | | sdv_attribute_logical_data_type |
| 28 | primaryconstraintlabel | Primary Constraint Label | String | Varchar | No | 20 | | | | | |

Table Physical Name: sdvattribute
Table Label: SDV Attribute

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 29 | secondaryconcolname | Secondary Constraint Column Name | String | Varchar | No | 30 | | | | | |
| 30 | scclogicaldatatype | Secondary Constraint Column Logical Data Type | String | Varchar | No | 20 | | | | | sdv_attribute_logical_data_type |
| 31 | secondaryconstraintlabel | Secondary Constraint Label | String | Varchar | No | 20 | | | | | |
| 32 | dqmodeoptionflag | Depth Qualifier Mode Option Flag | Boolean | Smallint | Yes | | | | | | |
| 33 | depthqualifiermode | Depth Qualifier Mode | String | Varchar | No | 20 | | | | | depthqualmode |
| 34 | layerdepthtotop | Layer Depth to Top | Float | Real | No | | 1 | 0 | 9999 | | |
| 35 | layerdepthtobottom | Layer Depth to Bottom | Float | Real | No | | 1 | 0 | 9999 | | |
| 36 | layerdepthuom | Layer Depth UOM | String | Varchar | No | 20 | | | | | depthuom |
| 37 | monthrangeoptionflag | Month Range Option Flag | Boolean | Smallint | Yes | | | | | | |
| 38 | beginningmonth | Beginning Month | String | Varchar | No | 9 | | | | | flooding_ponding_month |
| 39 | endingmonth | Ending Month | String | Varchar | No | 9 | | | | | flooding_ponding_month |
| 40 | fetchallcompsflag | Fetch All Components Flag | Boolean | Smallint | Yes | | | | | | |
| 41 | interpnullsaszerooptionflag | Interpret Nulls as Zero Option Flag | Boolean | Smallint | Yes | | | | | | |
| 42 | interpnullsaszeroflag | Interpret Nulls as Zero Flag | Boolean | Smallint | Yes | | | | | | |
| 43 | nullratingreplacementvalue | Null Rating Replacement Value | String | Varchar | No | 254 | | | | | |
| 44 | basicmodeflag | Basic Mode Flag | Boolean | Smallint | Yes | | | | | | |
| 45 | maplegendkey | Map Legend Key | Integer | Int | Yes | | | 1 | | | |
| 46 | maplegendclasses | Map Legend Classes | Integer | Smallint | No | | | 2 | 100 | | |
| 47 | maplegendxml | Map Legend XML | Narrative Text | Text | Yes | | | | | | |
| 48 | nasissiteid | NASIS Site ID | Integer | Int | Yes | | | | | | |
| 49 | wlupdated | Last Updated | Date/Time | Datetime | Yes | | | | | | |
| 50 | algorithmname | Algorithm Name | String | Varchar | Yes | 50 | | | | | algorithm |
| 51 | componentpercentcutoff | Component Percent Cutoff | Integer | Smallint | No | | | 0 | 100 | | |
| 52 | readytodistribute | Ready to Distribute | Boolean | Smallint | Yes | | | | | | |

Each record in this table corresponds to either an intrinsic soil property or a soil interpretation that is available in the Soil Data Viewer application. A record in this table is also referred to as an "SDV rule". A rule provides most of the information necessary for the Soil Data Viewer application to be able to create a thematic map for the corresponding soil attribute. Some additional information needed in order to be able to create a thematic map may be collected at run time.

Table Physical Name: sdvfolder
Table Label: SDV Folder

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | foldersequence | Folder Sequence | Integer | Smallint | Yes | | | 1 | | | |
| 2 | foldername | Folder Name | String | Varchar | Yes | 80 | | | | | |
| 3 | folderdescription | Folder Description | Narrative Text | Text | Yes | | | | | | |
| 4 | folderkey | Folder Key | Integer | Int | Yes | | | 1 | | | |
| 5 | parentfolderkey | Parent Folder Key | Integer | Int | No | | | | | | |
| 6 | wlupdated | Last Updated | Date/Time | Datetime | Yes | | | | | | |

The records in this table represent the folders and subfolders by which soil attributes (SDV rules) are grouped and displayed in the Soil Data Viewer application. One record in this table may be related to another record in this table, i.e. a subfolder must identify its corresponding parent folder.

Table Physical Name: sdvfolderattribute
Table Label: SDV Folder Attribute

| Seq | Column Physical Name | Column Label | Logical Data Type | Physical Data Type | Not Null? | Size | Precision | Minimum | Maximum | Units of Measure | Domain Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | folderkey | Folder Key | Integer | Int | Yes | | | 1 | | | |
| 2 | attributekey | Attribute Key | Integer | Int | Yes | | | 1 | | | |

This associative table resolves the many to many relationship between Soil Data Viewer folders and soil attributes (SDV rules).