SSURGO 2.3.2
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.

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.

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 2.3.2
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	dS/m	
124	ec_r	RV	Float	Real	No		1	0	15000	dS/m	
125	ec_h	High	Float	Real	No		1	0	15000	dS/m	
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_status
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.

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.

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

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
92	taxtempcl	Temp Class	Choice	Varchar	No	254					taxonomic_family_temp_class
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.

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.

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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 2.3.2
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.

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.

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.

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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.

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.

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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.

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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.

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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.

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.

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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	30					

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	30					
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	horzaggmeth	Horizon Aggregation Method	Choice	Varchar	Yes	30					horizon_aggregation_method
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						
53	effectivelogicaldatatype	Effective Logical Data Type	Choice	Varchar	Yes	20					sdv_attribute_logical_data_type

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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

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).