Soil Data Access Related Tables
Tables and Columns

Table Physical Name: area
Table Label: Area

Seq	Column Physical Name	Column Label	Logical Data Type	Physical Data Type	Not Null?	Size	Precision	Minimum	Maximum	Units of Measure	Domain Name
1	seqnum	Seq	Integer	Smallint	No			1			
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	obterm	Obsolete?	Boolean	Bit	No						
6	areatypeiidref	Area Type	Integer	Int	No						
7	areaiid	Rec ID	Integer	Int	Yes						

The Area table lists the areas for each area type shown in the Area Type table. For example, the list of traditional soil survey areas is under the area type "Non-MLRA Soil Survey Areas". Nationally coordinated areas are listed under area types owned by the "NSSC Pangaea" database.

Areas listed under the area types "Non-MLRA Soil Survey Area" and "MLRA Soil Survey Area" are linked to legends in the Legend table. Areas listed under other area types are used to define areas of geographic coincidence with soil survey areas in the Legend Area Overlap table.

Soil Data Access Related Tables
Tables and Columns

Table Physical Name: areatype
Table Label: Area Type

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	atdbiidref	Area Type Site	Integer	Smallint	Yes						
3	grpiidref	Group	Integer	Int	Yes						
4	useriidref	User	Integer	Int	No						
5	wlupdated	Last Updated	Date/Time	Datetime	Yes						
6	areatypeiid	Rec ID	Integer	Int	Yes						

The Area Type table lists area types and the owner of each area type. In NASIS, different kinds of areas are organized by area type. For example, traditional soil survey areas are listed in the Area table under the "Non MLRA Soil Survey Area" type. Nationally coordinated area types are owned by "NSSC Pangaea", but users may create their own area types.

Soil Data Access Related Tables
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	Char	Yes	3					
3	chkey	Chorizon Key	Integer	Int	Yes						
4	chaashtokey	Chorizon AASHTO Key	Integer	Int	Yes						

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.

Soil Data Access Related Tables
Tables and Columns

Table Physical Name: chconsistence
Table Label: Horizon Consistence

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

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.

Soil Data Access Related Tables
Tables and Columns

Table Physical Name: chdesgnsuffix
Table Label: Horizon Designation Suffix

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

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.

Soil Data Access Related Tables
Tables and Columns

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	Integer	Int	Yes						
12	chfragskey	Chorizon Fragments Key	Integer	Int	Yes						

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.

Soil Data Access Related Tables
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	

Soil Data Access Related Tables
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
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	

Soil Data Access Related Tables
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
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	

Soil Data Access Related Tables
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
97	wsatiated_l	Low	Integer	Smallint	No			0	100	percent	
98	wsatiated_r	RV	Integer	Smallint	No			0	100	percent	
99	wsatiated_h	High	Integer	Smallint	No			0	100	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	cmol(+)/kg	
127	cec7_r	RV	Float	Real	No		1	0	400	cmol(+)/kg	
128	cec7_h	High	Float	Real	No		1	0	400	cmol(+)/kg	

Soil Data Access Related Tables
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
129	ecec_l	Low	Float	Real	No		1	0	400	cmol(+)/kg	
130	ecec_r	RV	Float	Real	No		1	0	400	cmol(+)/kg	
131	ecec_h	High	Float	Real	No		1	0	400	cmol(+)/kg	
132	sumbases_l	Low	Float	Float	No		1	0	300	cmol(+)/kg	
133	sumbases_r	RV	Float	Float	No		1	0	300	cmol(+)/kg	
134	sumbases_h	High	Float	Float	No		1	0	300	cmol(+)/kg	
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	cmol(+)/kg	
148	extracid_r	RV	Float	Real	No		1	0	250	cmol(+)/kg	
149	extracid_h	High	Float	Real	No		1	0	250	cmol(+)/kg	
150	extral_l	Low	Float	Real	No		2	0	150	cmol(+)/kg	
151	extral_r	RV	Float	Real	No		2	0	150	cmol(+)/kg	
152	extral_h	High	Float	Real	No		2	0	150	cmol(+)/kg	
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	

Soil Data Access Related Tables
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
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	Integer	Int	Yes						
171	chkey	Chorizon Key	Integer	Int	Yes						

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.

Soil Data Access Related Tables
Tables and Columns

Table Physical Name: chpores
Table Label: Horizon Pores

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

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.

Soil Data Access Related Tables
Tables and Columns

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	Integer	Int	Yes						
7	chstructkey	Chorizon Structure Key	Integer	Int	Yes						

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.

Soil Data Access Related Tables
Tables and Columns

Table Physical Name: chstructgrp
Table Label: Horizon Structure Group

Seq	Column Physical Name	Column Label	Logical Data Type	Physical Data Type	Not Null?	Size	Precision	Minimum	Maximum	Units of Measure	Domain Name
1	structgrpname	Structure	String	Varchar	No	254					
2	rvindicator	RV?	Boolean	Char	Yes	3					
3	chkey	Chorizon Key	Integer	Int	Yes						
4	chstructgrpkey	Chorizon Structure Group Key	Integer	Int	Yes						

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.

Soil Data Access Related Tables
Tables and Columns

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	Varchar(max)	No						
6	chkey	Chorizon Key	Integer	Int	Yes						
7	chtextkey	Chorizon Text Key	Integer	Int	Yes						

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.

Soil Data Access Related Tables
Tables and Columns

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	Integer	Int	Yes						
4	chtkey	Chorizon Texture Key	Integer	Int	Yes						

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.

Soil Data Access Related Tables
Tables and Columns

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	Char	Yes	3					
3	rvindicator	RV?	Boolean	Char	Yes	3					
4	texdesc	Texture Description	Narrative Text	Varchar(max)	No						
5	chkey	Chorizon Key	Integer	Int	Yes						
6	chtgkey	Chorizon Texture Group Key	Integer	Int	Yes						

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".

Soil Data Access Related Tables
Tables and Columns

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	Integer	Int	Yes						
3	chtexmodkey	Chorizon Texture Modifier Key	Integer	Int	Yes						

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.

Soil Data Access Related Tables
Tables and Columns

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	Char	Yes	3					
3	chkey	Chorizon Key	Integer	Int	Yes						
4	chunifiedkey	Chorizon Unified Key	Integer	Int	Yes						

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.

Soil Data Access Related Tables
Tables and Columns

Table Physical Name: clippolygon
Table Label: Clip 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	clipareasymbol	Clip Area Symbol	String	Varchar	Yes	20					
2	clipareaname	Clip Area Name	String	Varchar	Yes	135					
3	mbrminx	Minimum Bounding Rectangle Minimum X	Float	Float	No		15	-180	180	degrees	
4	mbrmaxx	Minimum Bounding Rectangle Maximum X	Float	Float	No		15	-180	180	degrees	
5	mbrminy	Minimum Bounding Rectangle Minimum Y	Float	Float	No		15	-90	90	degrees	
6	mbrmaxy	Minimum Bounding Rectangle Maximum Y	Float	Float	No		15	-90	90	degrees	
7	tabularestsize	Tabular Estimated Size	Integer	Int	Yes					bytes	
8	spatialestsize	Spatial Estimated Size	Integer	Int	Yes					bytes	
9	clippolygongeo	Clip Polygon Geographic	ESRI Geometry	Geometry	No						
10	clippolygonproj	Clip Polygon Projected	ESRI Geometry	Geometry	No						
11	clippolygonkey	Clip Polygon Key	Integer	Int	Yes						

This table contains the feature class that is used for creating a subset of a soil survey area for that portion of that survey area that coincides with the specified geographic region.

Soil Data Access Related Tables
Tables and Columns

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	Integer	Int	Yes						
6	cocanopycovkey	Component Canopy Cover Key	Integer	Int	Yes						

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

Soil Data Access Related Tables
Tables and Columns

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	Integer	Int	Yes						
12	cocropyldkey	Component Crop Yield Key	Integer	Int	Yes						

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.

Soil Data Access Related Tables
Tables and Columns

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	Integer	Int	Yes						
12	codiagfeatkey	Component Diagnostic Features Key	Integer	Int	Yes						

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

Soil Data Access Related Tables
Tables and Columns

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	Varchar(max)	No						
5	cokey	Component Key	Integer	Int	Yes						
6	coecoclasskey	Component Ecological Classification Key	Integer	Int	Yes						
7	sourcesdwprimarykey	Source SDW Primary Key	Integer	Int	No						
8	sourcesdwtablephysicalname	Source SDW Table Physical Name	String	Varchar	No	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.

Soil Data Access Related Tables
Tables and Columns

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	Integer	Int	Yes						
7	coeplantskey	Component Existing Plants Key	Integer	Int	Yes						

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

Soil Data Access Related Tables
Tables and Columns

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	Char	Yes	3					
3	cokey	Component Key	Integer	Int	Yes						
4	coeroacckey	Component Erosion Accelerated Key	Integer	Int	Yes						

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.

Soil Data Access Related Tables
Tables and Columns

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	Integer	Int	Yes						
12	cofprodkey	Component Forest Productivity Key	Integer	Int	Yes						

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.

Soil Data Access Related Tables
Tables and Columns

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	Integer	Int	Yes						
10	cofprodokey	Component Forest Productivity Other Key	Integer	Int	Yes						

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.

Soil Data Access Related Tables
Tables and Columns

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	Char	Yes	3					
7	cokey	Component Key	Integer	Int	Yes						
8	cogeomdkey	Component Geomorphic Description Key	Integer	Int	Yes						

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

Soil Data Access Related Tables
Tables and Columns

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	Integer	Int	Yes						
3	cohydcritkey	Component Hydric Criteria Key	Integer	Int	Yes						

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

Soil Data Access Related Tables
Tables and Columns

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	Integer	Int	Yes						
2	mrulekey	Main Rule Key	Integer	Int	Yes						
3	mrulename	Main Rule Name	String	Varchar	Yes	60					
4	seqnum	Seq	Integer	Smallint	Yes			1			
5	rulekey	Rule Key	Integer	Int	Yes						
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	Char	No	3					
17	defpropdatabool	Default Property Data Boolean	Boolean	Char	No	3					
18	incpropdatabool	Inconsistent Property Data Boolean	Boolean	Char	No	3					
19	cointerpkey	Component Interpretation Key	Integer	Int	Yes						
20	ruledepthseq	Rule Depth Sequence	Integer	Smallint	No						
21	ruledesign	Rule Design	Choice	Smallint	Yes						rule_design

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

Soil Data Access Related Tables
Tables and Columns

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	Integer	Int	Yes						
17	comonthkey	Component Month Key	Integer	Int	Yes						

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.

Soil Data Access Related Tables
Tables and Columns

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	Char	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	Varchar(max)	No						

Soil Data Access Related Tables
Tables and Columns

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

Soil Data Access Related Tables
Tables and Columns

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

Soil Data Access Related Tables
Tables and Columns

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	Char	No	3					yes_no_n.a.
99	flphe	FL PHE	Choice	Char	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	Char	No	3					yes_no_n.a.
103	fltriumph2use	FL Triumph	Choice	Char	No	3					yes_no_n.a.
104	indraingrp	IN Drainage Grp	String	Char	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	Integer	Int	Yes						
109	cokey	Component Key	Integer	Int	Yes						

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.

Soil Data Access Related Tables
Tables and Columns

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	Integer	Int	Yes						
7	copmkey	Component Parent Material Key	Integer	Int	Yes						

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.

Soil Data Access Related Tables
Tables and Columns

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	Char	Yes	3					
3	cokey	Component Key	Integer	Int	Yes						
4	copmgrpkey	Component Parent Material Group Key	Integer	Int	Yes						

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.

Soil Data Access Related Tables
Tables and Columns

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	Integer	Int	Yes						
8	copwindbreakkey	Component Potential Windbreak Key	Integer	Int	Yes						

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.

Soil Data Access Related Tables
Tables and Columns

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	Integer	Int	Yes						
13	corestrictkey	Component Restrictions Key	Integer	Int	Yes						

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.

Soil Data Access Related Tables
Tables and Columns

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	Integer	Int	Yes						
9	cosoilmoistkey	Component Soil Moisture Key	Integer	Int	Yes						

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.

Soil Data Access Related Tables
Tables and Columns

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			-40	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	Integer	Int	Yes						
9	cosoiltempkey	Component Soil Temperature Key	Integer	Int	Yes						

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.

Soil Data Access Related Tables
Tables and Columns

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	Integer	Int	Yes						
15	cosurffragskey	Component Surface Fragments Key	Integer	Int	Yes						

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.

Soil Data Access Related Tables
Tables and Columns

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	Integer	Int	Yes						
6	cosurfmorgckey	Component Surface Morphometry - Geomorphic Component Key	Integer	Int	Yes						

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.

Soil Data Access Related Tables
Tables and Columns

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	Integer	Int	Yes						
3	cosurfmorhppkey	Component Surface Morphometry - Hillslope Profile Position	Integer	Int	Yes						

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.

Soil Data Access Related Tables
Tables and Columns

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	Integer	Int	Yes						
3	cosurfmormrkey	Component Surface Morphometry - Micro Relief Key	Integer	Int	Yes						

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

Soil Data Access Related Tables
Tables and Columns

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	Integer	Int	Yes						
4	cosurfmorsskey	Component Surface Morphometry - Slope Shape Key	Integer	Int	Yes						

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.

Soil Data Access Related Tables
Tables and Columns

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	Integer	Int	Yes						
3	cotaxfmminkey	Component Taxonomic Family Mineralogy Key	Integer	Int	Yes						

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

Soil Data Access Related Tables
Tables and Columns

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	Integer	Int	Yes						
3	cotaxmckey	Component Taxonomic Family Moisture Class Key	Integer	Int	Yes						

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.

Soil Data Access Related Tables
Tables and Columns

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	Varchar(max)	No						
6	cokey	Component Key	Integer	Int	Yes						
7	cotextkey	Component Text Key	Integer	Int	Yes						

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.

Soil Data Access Related Tables
Tables and Columns

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	Integer	Int	Yes						
5	cotreestomngkey	Component Trees to Manage Key	Integer	Int	Yes						

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

Soil Data Access Related Tables
Tables and Columns

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	Integer	Int	Yes						
3	cotaxfokey	Component Taxonomic Family Other Key	Integer	Int	Yes						

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.

Soil Data Access Related Tables
Tables and Columns

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	Varchar(max)	No						
4	dataafuse	Ready to use?	Boolean	Char	No	3					
5	mrecentrulecwlu	Most Recent Rule Component When Last Updated	Date/Time	Datetime	No						
6	rulekey	Rule Key	Integer	Int	Yes						
7	distmdkey	Distribution Metadata Key	Integer	Int	Yes						
8	distinterpmdkey	Distribution Interpretation Metadata Key	Integer	Int	Yes						

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.

Soil Data Access Related Tables
Tables and Columns

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	Varchar(max)	No						
9	lkey	Legend Key	Integer	Int	Yes						
10	distmdkey	Distribution Metadata Key	Integer	Int	Yes						
11	distlegendmdkey	Distribution Legend Metadata Key	Integer	Int	Yes						

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.

Soil Data Access Related Tables
Tables and Columns

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	Integer	Int	Yes						
5	areasymbol	Area Symbol	String	Varchar	Yes	20					
6	tabularversion	Tabular Version	Integer	Int	Yes						

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.

Soil Data Access Related Tables
Tables and Columns

Table Physical Name: featdesc
Table Label: Feature Description

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

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

Soil Data Access Related Tables
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	Integer	Int	Yes						
5	featlinegeo	Feature Line Geographic	ESRI Geometry	Geometry	No						
6	featlineproj	Feature Line Projected	ESRI Geometry	Geometry	No						
7	featlinekey	Feature Line Key	Integer	Int	Yes						

The Feature Line table records all spot feature symbols in a soil survey area that were digitized as one or more lines.

Soil Data Access Related Tables
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	Integer	Int	Yes						
5	featpointgeo	Feature Point Geographic	ESRI Geometry	Geometry	No						
6	featpointproj	Feature Point Projected	ESRI Geometry	Geometry	No						
7	featpointkey	Feature Point key	Integer	Int	Yes						

The Feature Point table records all spot feature symbols in a soil survey area that were digitized as one or more points.

Soil Data Access Related Tables
Tables and Columns

Table Physical Name: gsmmupolygon
Table Label: General Soil Map 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	clipareasymbol	Clip Area Symbol	String	Varchar	Yes	20					
3	spatialversion	Spatial Version	Integer	Int	Yes						
4	musym	Mapunit Symbol	String	Varchar	Yes	6					
5	mukey	Mapunit Key	Integer	Int	Yes						
6	mupolygongeo	Mapunit Polygon Geographic	ESRI Geometry	Geometry	No						
7	mupolygonproj	Mapunit Polygon Projected	ESRI Geometry	Geometry	No						
8	mupolygonkey	Mapunit Polygon Key	Integer	Int	Yes						
9	gsmmupolygonkey	GSM Mapunit Polygon Key	Integer	Int	Yes						

This table contains the map unit polygon feature classes for the general soil map of the United States and some of its territories. This coverage is historically known as "STATSGO". In addition to the map unit feature class for the entire US, this table includes the individual state map unit feature classes.

Soil Data Access Related Tables
Tables and Columns

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	Integer	Int	Yes						
6	lareaovkey	Legend Area Overlap Key	Integer	Int	Yes						

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.

Soil Data Access Related Tables
Tables and Columns

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	Integer	Int	Yes						
15	tabularversion	Tabular Version	Integer	Int	Yes						

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

Soil Data Access Related Tables
Tables and Columns

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	Varchar(max)	No						
6	lkey	Legend Key	Integer	Int	Yes						
7	legtextkey	Legend Text Key	Integer	Int	Yes						

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.

Soil Data Access Related Tables
Tables and Columns

Table Physical Name: mapunit
Table Label: Mapunit

Seq	Column Physical Name	Column Label	Logical Data Type	Physical Data Type	Not Null?	Size	Precision	Minimum	Maximum	Units of Measure	Domain Name
1	musym	Mapunit Symbol	String	Varchar	Yes	6					
2	muname	Mapunit Name	String	Varchar	No	240					
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	Integer	Int	Yes						
24	mukey	Mapunit Key	Integer	Int	Yes						
25	museq	Mapunit Sequence	Integer	Int	Yes						
26	nationalmusym	National Mapunit Symbol	String	Varchar	Yes	6					

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

Soil Data Access Related Tables
Tables and Columns

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	240					
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

Soil Data Access Related Tables
Tables and Columns

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	Integer	Int	No						

Soil Data Access Related Tables
Tables and Columns

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	Integer	Int	Yes						

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.

Soil Data Access Related Tables
Tables and Columns

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	Integer	Int	Yes						
3	mukey	Mapunit Key	Integer	Int	Yes						
4	muareaovkey	Mapunit Area Overlap Key	Integer	Int	Yes						

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.

Soil Data Access Related Tables
Tables and Columns

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	Integer	Int	Yes						
10	mucrpyldkey	Mapunit Crop Yield Key	Integer	Int	Yes						

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.

Soil Data Access Related Tables
Tables and Columns

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	nationalmusym	National Mapunit Symbol	String	Varchar	Yes	6					
5	mukey	Mapunit Key	Integer	Int	Yes						
6	muareaacres	Mapunit Area Acres	Float	Numeric	No	38	8			acres	
7	mulinegeo	Mapunit Line Geographic	ESRI Geometry	Geometry	No						
8	mulineproj	Mapunit Line Projected	ESRI Geometry	Geometry	No						
9	mulinekey	Mapunit Line Key	Integer	Int	Yes						

The Mapunit Line table records all map units in a soil survey area that were digitized as one or more lines.

Soil Data Access Related Tables
Tables and Columns

Table Physical Name: mupoint
Table Label: Mapunit Point

Seq	Column Physical Name	Column Label	Logical Data Type	Physical Data Type	Not Null?	Size	Precision	Minimum	Maximum	Units of Measure	Domain Name
1	areasymbol	Area Symbol	String	Varchar	Yes	20					
2	spatialversion	Spatial Version	Integer	Int	Yes						
3	musym	Mapunit Symbol	String	Varchar	Yes	6					
4	nationalmusym	National Mapunit Symbol	String	Varchar	Yes	6					
5	mukey	Mapunit Key	Integer	Int	Yes						
6	muareaacres	Mapunit Area Acres	Float	Numeric	No	38	8			acres	
7	mupointgeo	Mapunit Point Geographic	ESRI Geometry	Geometry	No						
8	mupointproj	Mapunit Point Projected	ESRI Geometry	Geometry	No						
9	mupointkey	Mapunit Point Key	Integer	Int	Yes						

The Mapunit Point table records all map units in a soil survey area that were digitized as one or more points.

Soil Data Access Related Tables
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	nationalmusym	National Mapunit Symbol	String	Varchar	Yes	6					
5	mukey	Mapunit Key	Integer	Int	Yes						
6	muareaacres	Mapunit Area Acres	Float	Numeric	No	38	8			acres	
7	mupolygongeo	Mapunit Polygon Geographic	ESRI Geometry	Geometry	No						
8	mupolygonproj	Mapunit Polygon Projected	ESRI Geometry	Geometry	No						
9	mupolygonkey	Mapunit Polygon Key	Integer	Int	Yes						
10	pointacreage	Point acreage	Float	Numeric	No	38	8			acres	
11	lineacreage	Line acreage	Float	Numeric	No	38	8			acres	

The Mapunit Polygon table records all map units in a soil survey area that were digitized as one or more polygons.

Soil Data Access Related Tables
Tables and Columns

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	Varchar(max)	No						
6	mukey	Mapunit Key	Integer	Int	Yes						
7	mutextkey	Mapunit Text Key	Integer	Int	Yes						
8	sourcesdwprimarykey	Source SDW Primary Key	Integer	Int	No						
9	sourcesdwtablephysicalname	Source SDW Table Physical Name	String	Varchar	No	30					

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

Soil Data Access Related Tables
Tables and Columns

Table Physical Name: sacatalog
Table Label: Survey Area Catalog

Seq	Column Physical Name	Column Label	Logical Data Type	Physical Data Type	Not Null?	Size	Precision	Minimum	Maximum	Units of Measure	Domain Name
1	areasymbol	Area Symbol	String	Varchar	Yes	20					
2	areaname	Area Name	String	Varchar	Yes	135					
3	saversion	Survey Area Version	Integer	Int	Yes						
4	saverest	Survey Area Version Established	Date/Time	Datetime	Yes						
5	fgdcmetadata	FGDC Metadata	Narrative Text	Varchar(max)	Yes						
6	mbrminx	Minimum Bounding Rectangle Minimum X	Float	Float	No		15	-180	180	degrees	
7	mbrminy	Minimum Bounding Rectangle Minimum Y	Float	Float	No		15	-90	90	degrees	
8	mbrmaxx	Minimum Bounding Rectangle Maximum X	Float	Float	No		15	-180	180	degrees	
9	mbrmaxy	Minimum Bounding Rectangle Maximum Y	Float	Float	No		15	-90	90	degrees	

The Survey Area Catalog table catalogs all soil survey areas that exist in the data mart. A survey area cannot exist in the data mart unless at least minimal spatial data (survey area boundary with no corresponding map unit polygons) exists. A survey area cannot be selected for downloading unless tabular data also exists.

Soil Data Access Related Tables
Tables and Columns

Table Physical Name: sainterp
Table Label: Survey Area Interpretion

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	tabularversion	Tabular Version	Integer	Int	Yes						
3	interpname	Interpretation Name	String	Varchar	Yes	60					
4	interptype	Interpretation Type	Choice	Varchar	Yes	254					rule_design
5	interpdesc	Interpretation Description	Narrative Text	Varchar(max)	No						
6	interpdesigndate	Interpretation Design Date	Date/Time	Datetime	Yes						
7	interpgendate	Interpretation Generation Date	Date/Time	Datetime	Yes						
8	interpmaxreasons	Interpretation Maximum Reasons	Integer	Smallint	No			0			
9	sainterpkey	Survey Area Interpretation Key	Integer	Int	Yes						

The Survey Area Interpretation table records information about the soil interpretations that were generated for a survey area.

Soil Data Access Related Tables
Tables and Columns

Table Physical Name: sapolygon
Table Label: Survey Area Polygon

Seq	Column Physical Name	Column Label	Logical Data Type	Physical Data Type	Not Null?	Size	Precision	Minimum	Maximum	Units of Measure	Domain Name
1	areasymbol	Area Symbol	String	Varchar	Yes	20					
2	spatialversion	Spatial Version	Integer	Int	Yes						
3	lkey	Legend Key	Integer	Int	Yes						
4	sapolygongeo	Survey Area Polygon Geographic	ESRI Geometry	Geometry	No						
5	sapolygonproj	Survey Area Polygon Projected	ESRI Geometry	Geometry	No						
6	sapolygonkey	Survey Area Polygon Key	Integer	Int	Yes						

The Survey Area Polygon table records the polygon or polygons that represent a soil survey area boundary.

Soil Data Access Related Tables
Tables and Columns

Table Physical Name: saspatialver
Table Label: Survey Area Spatial Version

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	spatialverest	Spatial Version Established	Date/Time	Datetime	Yes						
4	saboundaryonly	Survey Area Boundary Only	Boolean	Bit	Yes						
5	spatialestsize	Spatial Estimated Size	Integer	Int	No					bytes	

The Survey Area Spatial Version table records information about the version of underlying spatial data. This table also serves as the parent table of all spatial table hierarchies, which due to corresponding cascade delete rules, allows all spatial data for a survey area to be deleted by simply deleting the appropriate record in this table.

Soil Data Access Related Tables
Tables and Columns

Table Physical Name: sastatusmap
Table Label: Survey Area Status Map

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	sapubstatuscode	Survey Area Publication Status Code	Choice	Smallint	Yes						survey_area_publication_status
4	sapubstatusname	Survey Area Publication Status Name	Choice	Varchar	Yes	40					survey_area_publication_status
5	wlupdated	Last Updated	Date/Time	Datetime	Yes						
6	mapregion	Map Region	Choice	Smallint	Yes						map_region
7	saversion	Survey Area Version	Integer	Int	No						
8	saverest	Survey Area Version Established	Date/Time	Datetime	No						
9	iscomplete	Is Complete?	Boolean	Smallint	Yes						
10	tabularmudist	Tabular Mapunit Distribution	Choice	Int	No						survey_area_mapunit_distribution
11	spatialmudist	Spatial Mapunit Distribution	Choice	Int	No						survey_area_mapunit_distribution
12	sapolygongeo	Survey Area Polygon Geographic	ESRI Geometry	Geometry	No						
13	sapolygonproj	Survey Area Polygon Projected	ESRI Geometry	Geometry	No						
14	sapolygonkey	Survey Area Polygon Key	Integer	Int	Yes						

This table records the polgons that make up the survey area status map. This map may include survey areas for which corresponding tabular data is not yet available.

Soil Data Access Related Tables
Tables and Columns

Table Physical Name: satabularver
Table Label: Survey Area Tabular Version

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	tabularversion	Tabular Version	Integer	Int	Yes						
3	tabularverest	Tabular Version Established	Date/Time	Datetime	Yes						
4	tabnasisexportdate	Tabular NASIS Export Date	Date/Time	Datetime	Yes						
5	tabcertstatus	Tabular Certification Status	Choice	Varchar	No	254					export_certification_status
6	tabcertstatusdesc	Tabular Certification Status Description	Narrative Text	Varchar(max)	No						
7	tabularestsize	Tabular Estimated Size	Integer	Int	No					bytes	

The Survey Area Tabular Version table records information about the version of underlying tabular data. This table also serves as the parent table of all tabular table hierarchies, which due to corresponding cascade delete rules, allows all tabular data for a survey area to be deleted by simply deleting the appropriate record in this table.

Soil Data Access Related Tables
Tables and Columns

Table Physical Name: state
Table Label: State

Seq	Column Physical Name	Column Label	Logical Data Type	Physical Data Type	Not Null?	Size	Precision	Minimum	Maximum	Units of Measure	Domain Name
1	stateid	State ID	String	Char	Yes	2					
2	statesequence	State Sequence	Integer	Int	Yes						
3	statename	State Name	String	Varchar	Yes	135					
4	contactperson	Contact Person	String	Varchar	No	254					
5	contactphone	Contact Phone	String	Varchar	No	254					
6	contactemailaddr	Contact E-Mail Address	String	Varchar	No	254					
7	addrline 1	Address Line 1	String	Varchar	No	80					
8	addrline2	Address Line 2	String	Varchar	No	80					
9	addrline3	Address Line 3	String	Varchar	No	80					
10	addrline4	Address Line 4	String	Varchar	No	80					
11	city	City	String	Varchar	No	40					
12	mailstate	Mail State	String	Char	No	2					
13	postalcode	Postal Code	String	Varchar	No	40					
14	wlupdated	Last Updated	Date/Time	Datetime	Yes						
15	staterefreshed	State Refreshed	Boolean	Bit	Yes						
16	contactfax	Contact Fax	String	Varchar	No	254					
17	contacttdd	Contact TDD	String	Varchar	No	254					
18	statefipscode	State Numeric FIPS Code	String	Char	No	2					

The State table records the set of U.S. states and territories for which published soil survey areas exist.