

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **chaashto**

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

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Table Physical Name: **chconsistence**

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

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Table Physical Name: **chdesgnsuffix**

Seq	Column Physical Name	Column Label	Logical Data Type	Not Null?	Size	Prec	Min	Max	Units of Measure	Domain
1	desgnsuffix	Suffix	Choice	No	254					horz_desgn_letter_suffix
2	chkey	Chorizon Key	String	Yes	30					
3	chdesgnsfxkey	Chorizon Designation Suffix Key	String	Yes	30					

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Table Physical Name: **chfrags**

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

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Table Physical Name: **chorizon**

Seq	Column Physical Name	Column Label	Logical Data Type	Not Null?	Size	Prec	Min	Max	Units of Measure	Domain
1	hzname	Designation	String	No	12					
2	desgndisc	Disc	Integer	No			2	99		
3	desgnmaster	Master	Choice	No	254					horz_desgn_master
4	desgnmasterprime	Prime	Choice	No	254					horz_desgn_master_prime
5	desgnvert	Sub	Integer	No			1			
6	hzdept_l	Top Depth - Low Value	Integer	No			0	9999	centimeters	
7	hzdept_r	Top Depth - Representative Value	Integer	No			0	9999	centimeters	
8	hzdept_h	Top Depth - High Value	Integer	No			0	9999	centimeters	
9	hzdepb_l	Bottom Depth - Low Value	Integer	No			0	9999	centimeters	
10	hzdepb_r	Bottom Depth - Representative Value	Integer	No			0	9999	centimeters	
11	hzdepb_h	Bottom Depth - High Value	Integer	No			0	9999	centimeters	
12	hzthk_l	Thickness - Low Value	Integer	No			0	9999	centimeters	
13	hzthk_r	Thickness - Representative Value	Integer	No			0	9999	centimeters	
14	hzthk_h	Thickness - High Value	Integer	No			0	9999	centimeters	
15	fraggt10_l	Rock >10 - Low Value	Integer	No			0	100	percent	
16	fraggt10_r	Rock >10 - Representative Value	Integer	No			0	100	percent	
17	fraggt10_h	Rock >10 - High Value	Integer	No			0	100	percent	
18	frag3to10_l	Rock 3-10 - Low Value	Integer	No			0	100	percent	
19	frag3to10_r	Rock 3-10 - Representative Value	Integer	No			0	100	percent	
20	frag3to10_h	Rock 3-10 - High Value	Integer	No			0	100	percent	
21	sieven4_l	#4 - Low Value	Float	No		1	0	100	percent	
22	sieven4_r	#4 - Representative Value	Float	No		1	0	100	percent	
23	sieven4_h	#4 - High Value	Float	No		1	0	100	percent	
24	sieven10_l	#10 - Low Value	Float	No		1	0	100	percent	
25	sieven10_r	#10 - Representative Value	Float	No		1	0	100	percent	
26	sieven10_h	#10 - High Value	Float	No		1	0	100	percent	
27	sieven40_l	#40 - Low Value	Float	No		1	0	100	percent	
28	sieven40_r	#40 - Representative Value	Float	No		1	0	100	percent	
29	sieven40_h	#40 - High Value	Float	No		1	0	100	percent	
30	sieven200_l	#200 - Low Value	Float	No		1	0	100	percent	
31	sieven200_r	#200 - Representative Value	Float	No		1	0	100	percent	

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Seq	Column Physical Name	Column Label	Logical Data Type	Not Null?	Size	Prec	Min	Max	Units of Measure	Domain
32	sieveno200_h	#200 - High Value	Float	No		1	0	100	percent	
33	sandtotal_l	Total Sand - Low Value	Float	No		1	0	100	percent	
34	sandtotal_r	Total Sand - Representative Value	Float	No		1	0	100	percent	
35	sandtotal_h	Total Sand - High Value	Float	No		1	0	100	percent	
36	sandvc_l	vcos - Low Value	Float	No		1	0	100	percent	
37	sandvc_r	vcos - Representative Value	Float	No		1	0	100	percent	
38	sandvc_h	vcos - High Value	Float	No		1	0	100	percent	
39	sandco_l	cos - Low Value	Float	No		1	0	100	percent	
40	sandco_r	cos - Representative Value	Float	No		1	0	100	percent	
41	sandco_h	cos - High Value	Float	No		1	0	100	percent	
42	sandmed_l	ms - Low Value	Float	No		1	0	100	percent	
43	sandmed_r	ms - Representative Value	Float	No		1	0	100	percent	
44	sandmed_h	ms - High Value	Float	No		1	0	100	percent	
45	sandfine_l	fs - Low Value	Float	No		1	0	100	percent	
46	sandfine_r	fs - Representative Value	Float	No		1	0	100	percent	
47	sandfine_h	fs - High Value	Float	No		1	0	100	percent	
48	sandvf_l	vfs - Low Value	Float	No		1	0	100	percent	
49	sandvf_r	vfs - Representative Value	Float	No		1	0	100	percent	
50	sandvf_h	vfs - High Value	Float	No		1	0	100	percent	
51	silttotal_l	Total Silt - Low Value	Float	No		1	0	100	percent	
52	silttotal_r	Total Silt - Representative Value	Float	No		1	0	100	percent	
53	silttotal_h	Total Silt - High Value	Float	No		1	0	100	percent	
54	siltco_l	Coarse Silt - Low Value	Float	No		1	0	100	percent	
55	siltco_r	Coarse Silt - Representative Value	Float	No		1	0	100	percent	
56	siltco_h	Coarse Silt - High Value	Float	No		1	0	100	percent	
57	siltfine_l	Fine Silt - Low Value	Float	No		1	0	100	percent	
58	siltfine_r	Fine Silt - Representative Value	Float	No		1	0	100	percent	
59	siltfine_h	Fine Silt - High Value	Float	No		1	0	100	percent	
60	claytotal_l	Total Clay - Low Value	Float	No		1	0	100	percent	
61	claytotal_r	Total Clay - Representative Value	Float	No		1	0	100	percent	
62	claytotal_h	Total Clay - High Value	Float	No		1	0	100	percent	

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Seq	Column Physical Name	Column Label	Logical Data Type	Not Null?	Size	Prec	Min	Max	Units of Measure	Domain
63	claysizedcarb_l	CaCO3 Clay - Low Value	Float	No		1	0	100	percent	
64	claysizedcarb_r	CaCO3 Clay - Representative Value	Float	No		1	0	100	percent	
65	claysizedcarb_h	CaCO3 Clay - High Value	Float	No		1	0	100	percent	
66	om_l	OM - Low Value	Float	No		2	0	100	percent	
67	om_r	OM - Representative Value	Float	No		2	0	100	percent	
68	om_h	OM - High Value	Float	No		2	0	100	percent	
69	dbtenthbar_l	Db 0.1 bar H2O - Low Value	Float	No		2	0.02	2.6	grams per cubic centimeter	
70	dbtenthbar_r	Db 0.1 bar H2O - Representative Value	Float	No		2	0.02	2.6	grams per cubic centimeter	
71	dbtenthbar_h	Db 0.1 bar H2O - High Value	Float	No		2	0.02	2.6	grams per cubic centimeter	
72	dbthirdbar_l	Db 0.33 bar H2O - Low Value	Float	No		2	0.02	2.6	grams per cubic centimeter	
73	dbthirdbar_r	Db 0.33 bar H2O - Representative Value	Float	No		2	0.02	2.6	grams per cubic centimeter	
74	dbthirdbar_h	Db 0.33 bar H2O - High Value	Float	No		2	0.02	2.6	grams per cubic centimeter	
75	dbfifteenbar_l	Db 15 bar H2O - Low Value	Float	No		2	0.02	2.6	grams per cubic centimeter	
76	dbfifteenbar_r	Db 15 bar H2O - Representative Value	Float	No		2	0.02	2.6	grams per cubic centimeter	
77	dbfifteenbar_h	Db 15 bar H2O - High Value	Float	No		2	0.02	2.6	grams per cubic centimeter	
78	dbovendry_l	Db oven dry - Low Value	Float	No		2	0.02	2.6	grams per cubic centimeter	
79	dbovendry_r	Db oven dry - Representative Value	Float	No		2	0.02	2.6	grams per cubic centimeter	
80	dbovendry_h	Db oven dry - High Value	Float	No		2	0.02	2.6	grams per cubic centimeter	
81	partdensity	Dp	Float	No		2	0.01	5	grams per cubic centimeter	
82	ksat_l	Ksat - Low Value	Float	No		4	0	705	micrometers per second	
83	ksat_r	Ksat - Representative Value	Float	No		4	0	705	micrometers per second	
84	ksat_h	Ksat - High Value	Float	No		4	0	705	micrometers per second	
85	awc_l	AWC - Low Value	Float	No		2	0	0.7	centimeters per centimeter	
86	awc_r	AWC - Representative Value	Float	No		2	0	0.7	centimeters per centimeter	
87	awc_h	AWC - High Value	Float	No		2	0	0.7	centimeters per centimeter	
88	wtenthbar_l	0.1 bar H2O - Low Value	Float	No		1	0	2000	percent	
89	wtenthbar_r	0.1 bar H2O - Representative Value	Float	No		1	0	2000	percent	
90	wtenthbar_h	0.1 bar H2O - High Value	Float	No		1	0	2000	percent	
91	wthirdbar_l	0.33 bar H2O - Low Value	Float	No		1	0	2000	percent	
92	wthirdbar_r	0.33 bar H2O - Representative Value	Float	No		1	0	2000	percent	

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Seq	Column Physical Name	Column Label	Logical Data Type	Not Null?	Size	Prec	Min	Max	Units of Measure	Domain
93	wthirdbar_h	0.33 bar H2O - High Value	Float	No		1	0	2000	percent	
94	wfifteenbar_l	15 bar H2O - Low Value	Float	No		1	0	400	percent	
95	wfifteenbar_r	15 bar H2O - Representative Value	Float	No		1	0	400	percent	
96	wfifteenbar_h	15 bar H2O - High Value	Float	No		1	0	400	percent	
97	wsatiated_l	Satiated H2O - Low Value	Integer	No			10	70	percent	
98	wsatiated_r	Satiated H2O - Representative Value	Integer	No			10	70	percent	
99	wsatiated_h	Satiated H2O - High Value	Integer	No			10	70	percent	
100	lep_l	LEP - Low Value	Float	No		1	0	30	percent	
101	lep_r	LEP - Representative Value	Float	No		1	0	30	percent	
102	lep_h	LEP - High Value	Float	No		1	0	30	percent	
103	ll_l	LL - Low Value	Float	No		1	0	400	percent	
104	ll_r	LL - Representative Value	Float	No		1	0	400	percent	
105	ll_h	LL - High Value	Float	No		1	0	400	percent	
106	pi_l	PI - Low Value	Float	No		1	0	130	percent	
107	pi_r	PI - Representative Value	Float	No		1	0	130	percent	
108	pi_h	PI - High Value	Float	No		1	0	130	percent	
109	aashind_l	AASHTO Group Index - Low Value	Integer	No			0	120		
110	aashind_r	AASHTO Group Index - Representative Value	Integer	No			0	120		
111	aashind_h	AASHTO Group Index - High Value	Integer	No			0	120		
112	kwfact	Kw	Choice	No	254					soil_erodibility_factor
113	kffact	Kf	Choice	No	254					soil_erodibility_factor
114	caco3_l	CaCO3 - Low Value	Integer	No			0	110	percent	
115	caco3_r	CaCO3 - Representative Value	Integer	No			0	110	percent	
116	caco3_h	CaCO3 - High Value	Integer	No			0	110	percent	
117	gypsum_l	Gypsum - Low Value	Integer	No			0	120	percent	
118	gypsum_r	Gypsum - Representative Value	Integer	No			0	120	percent	
119	gypsum_h	Gypsum - High Value	Integer	No			0	120	percent	
120	sar_l	SAR - Low Value	Float	No		1	0	9999		
121	sar_r	SAR - Representative Value	Float	No		1	0	9999		
122	sar_h	SAR - High Value	Float	No		1	0	9999		

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Table Physical Name: **chorizon**

Seq	Column Physical Name	Column Label	Logical Data Type	Not Null?	Size	Prec	Min	Max	Units of Measure	Domain
123	ec_l	EC - Low Value	Float	No		1	0	15000	millimhos per centimeter	
124	ec_r	EC - Representative Value	Float	No		1	0	15000	millimhos per centimeter	
125	ec_h	EC - High Value	Float	No		1	0	15000	millimhos per centimeter	
126	cec7_l	CEC-7 - Low Value	Float	No		1	0	400	milliequivalents per 100 grams	
127	cec7_r	CEC-7 - Representative Value	Float	No		1	0	400	milliequivalents per 100 grams	
128	cec7_h	CEC-7 - High Value	Float	No		1	0	400	milliequivalents per 100 grams	
129	ecec_l	ECEC - Low Value	Float	No		1	0	400	milliequivalents per 100 grams	
130	ecec_r	ECEC - Representative Value	Float	No		1	0	400	milliequivalents per 100 grams	
131	ecec_h	ECEC - High Value	Float	No		1	0	400	milliequivalents per 100 grams	
132	sumbases_l	Sum of Bases - Low Value	Float	No		1	0	300	milliequivalents per 100 grams	
133	sumbases_r	Sum of Bases - Representative Value	Float	No		1	0	300	milliequivalents per 100 grams	
134	sumbases_h	Sum of Bases - High Value	Float	No		1	0	300	milliequivalents per 100 grams	
135	ph1to1h2o_l	pH H2O - Low Value	Float	No		1	1.8	11		
136	ph1to1h2o_r	pH H2O - Representative Value	Float	No		1	1.8	11		
137	ph1to1h2o_h	pH H2O - High Value	Float	No		1	1.8	11		
138	ph01mcacl2_l	pH CaCl2 - Low Value	Float	No		1	1.8	11		
139	ph01mcacl2_r	pH CaCl2 - Representative Value	Float	No		1	1.8	11		
140	ph01mcacl2_h	pH CaCl2 - High Value	Float	No		1	1.8	11		
141	freeiron_l	Free Iron - Low Value	Float	No		2	0	100	percent	
142	freeiron_r	Free Iron - Representative Value	Float	No		2	0	100	percent	
143	freeiron_h	Free Iron - High Value	Float	No		2	0	100	percent	
144	feoxalate_l	Oxalate Fe - Low Value	Float	No		2	0	150000	milligrams per kilogram	
145	feoxalate_r	Oxalate Fe - Representative Value	Float	No		2	0	150000	milligrams per kilogram	
146	feoxalate_h	Oxalate Fe - High Value	Float	No		2	0	150000	milligrams per kilogram	

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Table Physical Name: **chorizon**

Seq	Column Physical Name	Column Label	Logical Data Type	Not Null?	Size	Prec	Min	Max	Units of Measure	Domain
147	extracid_l	Ext Acidity - Low Value	Float	No		1	0	250	milliequivalents per 100 grams	
148	extracid_r	Ext Acidity - Representative Value	Float	No		1	0	250	milliequivalents per 100 grams	
149	extracid_h	Ext Acidity - High Value	Float	No		1	0	250	milliequivalents per 100 grams	
150	extral_l	Extract Al - Low Value	Float	No		2	0	150	milliequivalents per 100 grams	
151	extral_r	Extract Al - Representative Value	Float	No		2	0	150	milliequivalents per 100 grams	
152	extral_h	Extract Al - High Value	Float	No		2	0	150	milliequivalents per 100 grams	
153	aloxalate_l	Oxalate Al - Low Value	Float	No		1	0	170000	milligrams per kilogram	
154	aloxalate_r	Oxalate Al - Representative Value	Float	No		1	0	170000	milligrams per kilogram	
155	aloxalate_h	Oxalate Al - High Value	Float	No		1	0	170000	milligrams per kilogram	
156	pbray1_l	Bray 1 Phos - Low Value	Float	No		1	0	500	milligrams per kilogram	
157	pbray1_r	Bray 1 Phos - Representative Value	Float	No		1	0	500	milligrams per kilogram	
158	pbray1_h	Bray 1 Phos - High Value	Float	No		1	0	500	milligrams per kilogram	
159	poxalate_l	Oxalate Phos - Low Value	Float	No		1	0		milligrams per kilogram	
160	poxalate_r	Oxalate Phos - Representative Value	Float	No		1	0		milligrams per kilogram	
161	poxalate_h	Oxalate Phos - High Value	Float	No		1	0		milligrams per kilogram	
162	ph2osoluble_l	Water Soluble Phos - Low Value	Float	No		1	0	5000	milligrams per kilogram	
163	ph2osoluble_r	Water Soluble Phos - Representative Value	Float	No		1	0	5000	milligrams per kilogram	
164	ph2osoluble_h	Water Soluble Phos - High Value	Float	No		1	0	5000	milligrams per kilogram	
165	ptotal_l	Total Phos - Low Value	Float	No		2	0		percent	
166	ptotal_r	Total Phos - Representative Value	Float	No		2	0		percent	
167	ptotal_h	Total Phos - High Value	Float	No		2	0		percent	
168	excavdifcl	Excav Diff	Choice	No	254					excavation_difficulty_class
169	excavdifms	Excav Diff Moisture	Choice	No	254					observed_soil_moisture_status
170	cokey	Component Key	String	Yes	30					
171	chkey	Chorizon Key	String	Yes	30					

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Table Physical Name: **chpores**

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

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Table Physical Name: **chstruct**

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

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Table Physical Name: **chstructgrp**

Seq	Column Physical Name	Column Label	Logical Data Type	Not Null?	Size	Prec	Min	Max	Units of Measure	Domain
1	structgrpname	Structure	String	No	100					
2	rvindicator	RV?	Boolean	Yes	3					
3	chkey	Chorizon Key	String	Yes	30					
4	chstructgrpkey	Chorizon Structure Group Key	String	Yes	30					

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Table Physical Name: **chtext**

Seq	Column Physical Name	Column Label	Logical Data Type	Not Null?	Size	Prec	Min	Max	Units of Measure	Domain
1	reccdate	Date	Date/Time	No						
2	chorizontextkind	Kind	Choice	No	254					chorizon_text_kind
3	textcat	Category	String	No	20					
4	textsubcat	Subcategory	String	No	20					
5	text	Text	Vtext	No						
6	chkey	Chorizon Key	String	Yes	30					
7	chtextkey	Chorizon Text Key	String	Yes	30					

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Table Physical Name: **chttexture**

Seq	Column Physical Name	Column Label	Logical Data Type	Not Null?	Size	Prec	Min	Max	Units of Measure	Domain
1	texcl	Texture	Choice	No	254					texture_class
2	lieutex	In Lieu	Choice	No	254					terms_used_in_lieu_of_textur e
3	chtgkey	Chorizon Texture Group Key	String	Yes	30					
4	chtkey	Chorizon Texture Key	String	Yes	30					

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Table Physical Name: **chttexturegrp**

Seq	Column Physical Name	Column Label	Logical Data Type	Not Null?	Size	Prec	Min	Max	Units of Measure	Domain
1	texture	Tex Mod & Class	String	No	30					
2	stratextsflag	Stratified?	Boolean	Yes	3					
3	rvindicator	RV?	Boolean	Yes	3					
4	texdesc	Texture Description	Vtext	No						
5	chkey	Chorizon Key	String	Yes	30					
6	chtgkey	Chorizon Texture Group Key	String	Yes	30					

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Table Physical Name: **chttexturemod**

Seq	Column Physical Name	Column Label	Logical Data Type	Not Null?	Size	Prec	Min	Max	Units of Measure	Domain
1	texmod	Modifier	Choice	No	254					texture_modifier
2	chtkey	Chorizon Texture Key	String	Yes	30					
3	chtexmodkey	Chorizon Texture Modifier Key	String	Yes	30					

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Table Physical Name: **chunified**

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

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **cocanopycover**

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

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **cocropyld**

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

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **codiagfeatures**

Seq	Column Physical Name	Column Label	Logical Data Type	Not Null?	Size	Prec	Min	Max	Units of Measure	Domain
1	featkind	Kind	Choice	No	254					diag_horz_feat_kind
2	featdept_l	Top Depth - Low Value	Integer	No			0	9999	centimeters	
3	featdept_r	Top Depth - Representative Value	Integer	No			0	9999	centimeters	
4	featdept_h	Top Depth - High Value	Integer	No			0	9999	centimeters	
5	featdepb_l	Bottom Depth - Low Value	Integer	No			0	9999	centimeters	
6	featdepb_r	Bottom Depth - Representative Value	Integer	No			0	9999	centimeters	
7	featdepb_h	Bottom Depth - High Value	Integer	No			0	9999	centimeters	
8	featthick_l	Thickness - Low Value	Integer	No			0	9999	centimeters	
9	featthick_r	Thickness - Representative Value	Integer	No			0	9999	centimeters	
10	featthick_h	Thickness - High Value	Integer	No			0	9999	centimeters	
11	cokey	Component Key	String	Yes	30					
12	codiagfeatkey	Component Diagnostic Features Key	String	Yes	30					

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **coecoclass**

Seq	Column Physical Name	Column Label	Logical Data Type	Not Null?	Size	Prec	Min	Max	Units of Measure	Domain
1	ecoclasstypename	Ecological Classification Type Name	String	Yes	60					
2	ecoclassref	Ecological Classification Reference	String	No	254					
3	ecoclassid	Ecological Classification ID	String	Yes	30					
4	ecoclassname	Ecological Classification Name	Vtext	No						
5	cokey	Component Key	String	Yes	30					
6	coecoclasskey	Component Ecological Classification Key	String	Yes	30					

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **coeplants**

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

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **coerosionacc**

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

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **coforprod**

Seq	Column Physical Name	Column Label	Logical Data Type	Not Null?	Size	Prec	Min	Max	Units of Measure	Domain
1	plantsym	Plant Symbol	String	Yes	8					
2	plantsciname	Scientific Name	String	No	127					
3	plantcomname	Common Name	String	No	60					
4	siteindexbase	Site Index Base	Choice	No	254					site_index_curves
5	siteindex_l	Site Index - Low Value	Integer	No			1	300		
6	siteindex_r	Site Index - Representative Value	Integer	No			1	300		
7	siteindex_h	Site Index - High Value	Integer	No			1	300		
8	fprod_l	Productivity ft ³ /ac/yr CMAI - Low Value	Float	No		2	0	9999		
9	fprod_r	Productivity ft ³ /ac/yr CMAI - Representative Value	Float	No		2	0	9999		
10	fprod_h	Productivity ft ³ /ac/yr CMAI - High Value	Float	No		2	0	9999		
11	cokey	Component Key	String	Yes	30					
12	cofprodkey	Component Forest Productivity Key	String	Yes	30					

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **coforprodo**

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

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **cogeomordesc**

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

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **cohydriccriteria**

Seq	Column Physical Name	Column Label	Logical Data Type	Not Null?	Size	Prec	Min	Max	Units of Measure	Domain
1	hydriccriterion	Hydric Criterion	Choice	No	254					hydric_criteria
2	cokey	Component Key	String	Yes	30					
3	cohydricritkey	Component Hydric Criteria Key	String	Yes	30					

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **cointerp**

Seq	Column Physical Name	Column Label	Logical Data Type	Not Null?	Size	Prec	Min	Max	Units of Measure	Domain
1	cokey	Component Key	String	Yes	30					
2	mrulekey	Main Rule Key	String	Yes	30					
3	mrulename	Main Rule Name	String	Yes	60					
4	seqnum	Seq	Integer	Yes			1			
5	rulekey	Rule Key	String	Yes	30					
6	rulename	Rule Name	String	Yes	60					
7	ruledepth	Rule Depth	Integer	Yes						
8	interp1l	Interp Low Low	Float	No		2				
9	interp1lc	Interp Low Low Class	String	No	254					
10	interp1r	Interp Low Representative Value	Float	No		2				
11	interp1rc	Interp Low Representative Value Class	String	No	254					
12	interp1hr	Interp High Representative Value	Float	No		2				
13	interp1hrc	Interp High Representative Value Class	String	No	254					
14	interp1hh	Interp High High	Float	No		2				
15	interp1hhc	Interp High High Class	String	No	254					
16	nullpropdatabool	Null Property Data Boolean	Boolean	No	3					
17	defpropdatabool	Default Property Data Boolean	Boolean	No	3					
18	incpropdatabool	Inconsistent Property Data Boolean	Boolean	No	3					
19	cointerpkey	Component Interpretation Key	String	Yes	30					

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **comonth**

Seq	Column Physical Name	Column Label	Logical Data Type	Not Null?	Size	Prec	Min	Max	Units of Measure	Domain
1	monthseq	Month Sequence	Integer	No			1	12		
2	month	Month	Choice	No	254					flooding_ponding_month
3	flodfreqcl	Flooding Frequency	Choice	No	254					flooding_frequency_class
4	floddurcl	Flooding Duration	Choice	No	254					flooding_duration_class
5	pondfreqcl	Ponding Frequency	Choice	No	254					ponding_frequency_class
6	ponddurcl	Ponding Duration	Choice	No	254					ponding_duration_class
7	ponddep_l	Ponding Depth - Low Value	Integer	No			0	185	centimeters	
8	ponddep_r	Ponding Depth - Representative Value	Integer	No			0	185	centimeters	
9	ponddep_h	Ponding Depth - High Value	Integer	No			0	185	centimeters	
10	dlyavgprecip_l	Daily Precip - Low Value	Integer	No			0	750	millimeters	
11	dlyavgprecip_r	Daily Precip - Representative Value	Integer	No			0	750	millimeters	
12	dlyavgprecip_h	Daily Precip - High Value	Integer	No			0	750	millimeters	
13	dlyavgpotet_l	Daily ET - Low Value	Integer	No			0	300	millimeters	
14	dlyavgpotet_r	Daily ET - Representative Value	Integer	No			0	300	millimeters	
15	dlyavgpotet_h	Daily ET - High Value	Integer	No			0	300	millimeters	
16	cokey	Component Key	String	Yes	30					
17	comonthkey	Component Month Key	String	Yes	30					

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **component**

Seq	Column Physical Name	Column Label	Logical Data Type	Not Null?	Size	Prec	Min	Max	Units of Measure	Domain
1	compct_l	Comp % - Low Value	Integer	No			0	100	percent	
2	compct_r	Comp % - Representative Value	Integer	No			0	100	percent	
3	compct_h	Comp % - High Value	Integer	No			0	100	percent	
4	compname	Component Name	String	No	60					
5	compkind	Kind	Choice	No	254					component_kind
6	majcompflag	Major Component	Boolean	No	3					
7	otherph	SIR phase	String	No	40					
8	localphase	Local Phase	String	No	40					
9	slope_l	Slope Gradient - Low Value	Float	No		1	0	999	percent	
10	slope_r	Slope Gradient - Representative Value	Float	No		1	0	999	percent	
11	slope_h	Slope Gradient - High Value	Float	No		1	0	999	percent	
12	slopelenusle_l	Slope Length USLE - Low Value	Integer	No			0	4000	meters	
13	slopelenusle_r	Slope Length USLE - Representative Value	Integer	No			0	4000	meters	
14	slopelenusle_h	Slope Length USLE - High Value	Integer	No			0	4000	meters	
15	runoff	Runoff Class	Choice	No	254					runoff
16	tfact	T	Integer	No			1	5	tons per acre per year	
17	wei	WEI	Choice	No	254				tons per acre per year	wind_erosibility_index
18	weg	WEG	Choice	No	254					wind_erosibility_group
19	erocl	Erosion Class	Choice	No	254					erosion_class
20	earthcovkind1	Cover Kind 1	Choice	No	254					earth_cover_kind_level_one
21	earthcovkind2	Cover Kind 2	Choice	No	254					earth_cover_kind_level_two
22	hydricon	Hydric Condition	Choice	No	254					hydric_condition
23	hydricrating	Hydric Rating	Choice	No	254					hydric_rating
24	drainagecl	Drainage Class	Choice	No	254					drainage_class
25	elev_l	Elevation - Low Value	Float	No		1	-300	8550	meters	
26	elev_r	Elevation - Representative Value	Float	No		1	-300	8550	meters	
27	elev_h	Elevation - High Value	Float	No		1	-300	8550	meters	
28	aspectccwise	Aspect Counter Clockwise	Integer	No			0	360	degrees	
29	aspectrep	Aspect Representative	Integer	No			0	360	degrees	
30	aspectwise	Aspect Clockwise	Integer	No			0	360	degrees	

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **component**

Seq	Column Physical Name	Column Label	Logical Data Type	Not Null?	Size	Prec	Min	Max	Units of Measure	Domain
31	geomdesc	Geomorphic Description	Vtext	No						
32	albedodry_l	Albedo Dry - Low Value	Float	No		2	0	1		
33	albedodry_r	Albedo Dry - Representative Value	Float	No		2	0	1		
34	albedodry_h	Albedo Dry - High Value	Float	No		2	0	1		
35	airtempa_l	MAAT - Low Value	Float	No		1	-50	50	degrees centigrade	
36	airtempa_r	MAAT - Representative Value	Float	No		1	-50	50	degrees centigrade	
37	airtempa_h	MAAT - High Value	Float	No		1	-50	50	degrees centigrade	
38	map_l	MAP - Low Value	Integer	No			0	11500	millimeters	
39	map_r	MAP - Representative Value	Integer	No			0	11500	millimeters	
40	map_h	MAP - High Value	Integer	No			0	11500	millimeters	
41	reannualprecip_l	REAP - Low Value	Integer	No			0	11500	millimeters	
42	reannualprecip_r	REAP - Representative Value	Integer	No			0	11500	millimeters	
43	reannualprecip_h	REAP - High Value	Integer	No			0	11500	millimeters	
44	ffd_l	Frost Free Days - Low Value	Integer	No			0	365	days	
45	ffd_r	Frost Free Days - Representative Value	Integer	No			0	365	days	
46	ffd_h	Frost Free Days - High Value	Integer	No			0	365	days	
47	nirrcapcl	Nirr LCC	Choice	No	254					capability_class
48	nirrcapscl	Nirr Subcl	Choice	No	254					capability_subclass
49	nirrcapunit	Nirr LCU	Integer	No			1	99		
50	irrcapcl	Irr LCC	Choice	No	254					capability_class
51	irrcapscl	Irr Subcl	Choice	No	254					capability_subclass
52	irrcapunit	Irr LCU	Integer	No			1	99		
53	cropprodindex	Prod Index	Integer	No			0	100		
54	constreeshrubgrp	Cons Tree Shrub Group	Choice	No	254					conservation_tree_shrub_group windbreak_suitability_group
55	wndbrksuitgrp	Windbreak Suitability (Obsolete)	Choice	No	254					
56	rsprod_l	Range Prod - Low Value	Integer	No			0	20000	pounds per acre per year	
57	rsprod_r	Range Prod - Representative Value	Integer	No			0	20000	pounds per acre per year	
58	rsprod_h	Range Prod - High Value	Integer	No			0	20000	pounds per acre per year	
59	foragesuitgrp	Forage Suitability Group ID	String	No	11					
60	wlgrain	Grain Habitat	Choice	No	254					wildlife_rating

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **component**

Seq	Column Physical Name	Column Label	Logical Data Type	Not Null?	Size	Prec	Min	Max	Units of Measure	Domain
61	wlgrass	Grass Habitat	Choice	No	254					wildlife_rating
62	wlherbaceous	Herbaceous Habitat	Choice	No	254					wildlife_rating
63	wlshrub	Shrub Habitat	Choice	No	254					wildlife_rating
64	wlconiferous	Conifer Habitat	Choice	No	254					wildlife_rating
65	wlhardwood	Hardwood Habitat	Choice	No	254					wildlife_rating
66	wlwetplant	Wetland Habitat	Choice	No	254					wildlife_rating
67	wlshallowwat	Water Habitat	Choice	No	254					wildlife_rating
68	wlrangeland	Rangeland Wildlife	Choice	No	254					wildlife_rating
69	wlopenland	Openland Wildlife	Choice	No	254					wildlife_rating
70	wlwoodland	Woodland Wildlife	Choice	No	254					wildlife_rating
71	wlwetland	Wetland Wildlife	Choice	No	254					wildlife_rating
72	soilslippot	Soil Slip Pot	Choice	No	254					soil_slippage_potential
73	frostact	Frost Action	Choice	No	254					potential_frost_action
74	initsub_l	Init Subsid - Low Value	Integer	No			0	999	centimeters	
75	initsub_r	Init Subsid - Representative Value	Integer	No			0	999	centimeters	
76	initsub_h	Init Subsid - High Value	Integer	No			0	999	centimeters	
77	totalsub_l	Total Subsid - Low Value	Integer	No			0	999	centimeters	
78	totalsub_r	Total Subsid - Representative Value	Integer	No			0	999	centimeters	
79	totalsub_h	Total Subsid - High Value	Integer	No			0	999	centimeters	
80	hydgrp	Hydrologic Group	Choice	No	254					hydrologic_group
81	corcon	Corrosion Concrete	Choice	No	254					corrosion_concrete
82	corsteel	Corrosion Steel	Choice	No	254					corrosion_uncoated_steel
83	taxcname	Taxonomic Class	String	No	120					
84	taxorder	Order	Choice	No	254					taxonomic_order
85	taxsuborder	Suborder	Choice	No	254					taxonomic_suborder
86	taxgrtgroup	Great Group	Choice	No	254					taxonomic_great_group
87	taxsubgrp	Subgroup	Choice	No	254					taxonomic_subgroup
88	taxpartsize	Particle Size	Choice	No	254					taxonomic_family_particle_size
89	taxpartsize mod	Particle Size Mod	Choice	No	254					taxonomic_family_part_size_mod

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **component**

Seq	Column Physical Name	Column Label	Logical Data Type	Not Null?	Size	Prec	Min	Max	Units of Measure	Domain
90	taxceactcl	CEC Activity Cl	Choice	No	254					taxonomic_family_c_e_act_class
91	taxreaction	Reaction	Choice	No	254					taxonomic_family_reaction
92	taxtempcl	Temp Class	Choice	No	254					taxonomic_family_temp_classes
93	taxmoistscl	Moist Subclass	Choice	No	254					taxonomic_moisture_subclasses
94	taxtempregime	Temp Regime	Choice	No	254					taxonomic_temp_regime
95	soiltaxedition	Keys to Taxonomy Edition Used	Choice	No	254					soil_taxonomy_edition
96	castorieindex	CA Storie Index	Integer	No			0	100		
97	flecolcomnum	FL Ecol Comm #	String	No	5					
98	flhe	FL HE	Boolean	No	3					
99	flphe	FL PHE	Boolean	No	3					
100	flsoilleachpot	FL Leach Pot	Choice	No	254					fl_soil_leaching_potential
101	flsoirunoffpot	FL Runoff Pot	Choice	No	254					fl_soil_runoff_potential
102	fltemik2use	FL Temik	Boolean	No	3					
103	fltriumph2use	FL Triumph	Boolean	No	3					
104	indraingrp	IN Drainage Grp	String	No	3					
105	innitrateleachi	IN NO3 Leach Index	Integer	No			0	99		
106	misoimgmtgrp	MI Soil Mgmt Grp	Choice	No	254					mi_soil_management_group
107	vasoimgtgrp	VA Soil Mgmt Grp	Choice	No	254					va_soil_management_group
108	mukey	Mapunit Key	String	Yes	30					
109	cokey	Component Key	String	Yes	30					

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **copm**

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

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **copmgrp**

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

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **copwindbreak**

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

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **corestrictions**

Seq	Column Physical Name	Column Label	Logical Data Type	Not Null?	Size	Prec	Min	Max	Units of Measure	Domain
1	reskind	Kind	Choice	No	254					restriction_kind
2	reshard	Hardness	Choice	No	254					rupture_resist_block_cem
3	resdept_l	Top Depth - Low Value	Integer	No			0	9999	centimeters	
4	resdept_r	Top Depth - Representative Value	Integer	No			0	9999	centimeters	
5	resdept_h	Top Depth - High Value	Integer	No			0	9999	centimeters	
6	resdepb_l	Bottom Depth - Low Value	Integer	No			0	9999	centimeters	
7	resdepb_r	Bottom Depth - Representative Value	Integer	No			0	9999	centimeters	
8	resdepb_h	Bottom Depth - High Value	Integer	No			0	9999	centimeters	
9	resthk_l	Thickness - Low Value	Integer	No			0	999	centimeters	
10	resthk_r	Thickness - Representative Value	Integer	No			0	999	centimeters	
11	resthk_h	Thickness - High Value	Integer	No			0	999	centimeters	
12	cokey	Component Key	String	Yes	30					
13	corestrictkey	Component Restrictions Key	String	Yes	30					

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **cosoilmoist**

Seq	Column Physical Name	Column Label	Logical Data Type	Not Null?	Size	Prec	Min	Max	Units of Measure	Domain
1	soimoistdept_l	Top Depth - Low Value	Integer	No			0	9999	centimeters	
2	soimoistdept_r	Top Depth - Representative Value	Integer	No			0	9999	centimeters	
3	soimoistdept_h	Top Depth - High Value	Integer	No			0	9999	centimeters	
4	soimoistdepb_l	Bottom Depth - Low Value	Integer	No			0	9999	centimeters	
5	soimoistdepb_r	Bottom Depth - Representative Value	Integer	No			0	9999	centimeters	
6	soimoistdepb_h	Bottom Depth - High Value	Integer	No			0	9999	centimeters	
7	soimoiststat	Moisture Status	Choice	No	254					soil_moisture_status
8	comonthkey	Component Month Key	String	Yes	30					
9	cosoilmoistkey	Component Soil Moisture Key	String	Yes	30					

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **cosoiltemp**

Seq	Column Physical Name	Column Label	Logical Data Type	Not Null?	Size	Prec	Min	Max	Units of Measure	Domain
1	soitempmm	Monthly Temp	Integer	No			-25	50	degrees centigrade	
2	soitempdept_l	Top Depth - Low Value	Integer	No			0	9999	centimeters	
3	soitempdept_r	Top Depth - Representative Value	Integer	No			0	9999	centimeters	
4	soitempdept_h	Top Depth - High Value	Integer	No			0	9999	centimeters	
5	soitempdepb_l	Bottom Depth - Low Value	Integer	No			0	9999	centimeters	
6	soitempdepb_r	Bottom Depth - Representative Value	Integer	No			0	9999	centimeters	
7	soitempdepb_h	Bottom Depth - High Value	Integer	No			0	9999	centimeters	
8	comonthkey	Component Month Key	String	Yes	30					
9	cosoiltempkey	Component Soil Temperature Key	String	Yes	30					

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **cosurffrags**

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

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **cosurfmorphgc**

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

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **cosurfmorphhpp**

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

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **cosurfmorphmr**

Seq	Column Physical Name	Column Label	Logical Data Type	Not Null?	Size	Prec	Min	Max	Units of Measure	Domain
1	geomicrorelief	Microrelief Kind	Choice	No	254					micro_relief_kind
2	cogeomdkey	Component Geomorphic Description Key	String	Yes	30					
3	cosurfmormrkey	Component Surface Morphometry - Micro Relief Key	String	Yes	30					

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **cosurfmorphss**

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

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **cotaxfmmin**

Seq	Column Physical Name	Column Label	Logical Data Type	Not Null?	Size	Prec	Min	Max	Units of Measure	Domain
1	taxminalogy	Mineralogy	Choice	No	254					taxonomic_family_mineralogy
2	cokey	Component Key	String	Yes	30					
3	cotaxfmminkey	Component Taxonomic Family Mineralogy Key	String	Yes	30					

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **cotaxmoistcl**

Seq	Column Physical Name	Column Label	Logical Data Type	Not Null?	Size	Prec	Min	Max	Units of Measure	Domain
1	taxmoistcl	Moisture Class	Choice	No	254					taxonomic_moisture_class
2	cokey	Component Key	String	Yes	30					
3	cotaxmckey	Component Taxonomic Family Moisture Class Key	String	Yes	30					

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **cotext**

Seq	Column Physical Name	Column Label	Logical Data Type	Not Null?	Size	Prec	Min	Max	Units of Measure	Domain
1	reccdate	Date	Date/Time	No						
2	comptextkind	Kind	Choice	No	254					component_text_kind
3	textcat	Category	String	No	20					
4	textsubcat	Subcategory	String	No	20					
5	text	Text	Vtext	No						
6	cokey	Component Key	String	Yes	30					
7	cotextkey	Component Text Key	String	Yes	30					

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **cotreestomng**

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

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **cotxfmother**

Seq	Column Physical Name	Column Label	Logical Data Type	Not Null?	Size	Prec	Min	Max	Units of Measure	Domain
1	taxfmother	Family Other	Choice	No	254					taxonomic_family_other
2	cokey	Component Key	String	Yes	30					
3	cotaxfokey	Component Taxonomic Family Other Key	String	Yes	30					

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **distinterpmd**

Seq	Column Physical Name	Column Label	Logical Data Type	Not Null?	Size	Prec	Min	Max	Units of Measure	Domain
1	rulename	Rule Name	String	No	60					
2	ruledesign	Rule Design	Choice	Yes	254					rule_design
3	ruledesc	Description	Vtext	No						
4	dataafuse	Ready to use?	Boolean	No	3					
5	mrecentrulecwl	Most Recent Rule Component When Last Updated	Date/Time	No						
6	rulekey	Rule Key	String	Yes	30					
7	distmdkey	Distribution Metadata Key	String	Yes	30					
8	distinterpmdkey	Distribution Interpretation Metadata Key	String	Yes	30					

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **distlegendmd**

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

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **distmd**

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

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **featdesc**

Seq	Column Physical Name	Column Label	Logical Data Type	Not Null?	Size	Prec	Min	Max	Units of Measure	Domain
1	areasymbol	Area Symbol	String	Yes	20					
2	spatialversion	Spatial Version	Integer	Yes						
3	featsym	Feature Symbol	String	Yes	3					
4	featname	Feature Name	String	Yes	80					
5	featdesc	Feature Description	Vtext	Yes						
6	featkey	Feature Key	String	Yes	30					

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **featline**

Seq	Column Physical Name	Column Label	Logical Data Type	Not Null?	Size	Prec	Min	Max	Units of Measure	Domain
1	areasympol	Area Symbol	String	Yes	20					
2	spatialversion	Spatial Version	Integer	Yes						
3	featsym	Feature Symbol	String	Yes	3					
4	featkey	Feature Key	String	Yes	30					

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **featpoint**

Seq	Column Physical Name	Column Label	Logical Data Type	Not Null?	Size	Prec	Min	Max	Units of Measure	Domain
1	areasympol	Area Symbol	String	Yes	20					
2	spatialversion	Spatial Version	Integer	Yes						
3	featsym	Feature Symbol	String	Yes	3					
4	featkey	Feature Key	String	Yes	30					

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **laoverlap**

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

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **legend**

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

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **legendtext**

Seq	Column Physical Name	Column Label	Logical Data Type	Not Null?	Size	Prec	Min	Max	Units of Measure	Domain
1	recdate	Date	Date/Time	No						
2	legendtextkind	Kind	Choice	No	254					legend_text_kind
3	textcat	Category	String	No	20					
4	textsubcat	Subcategory	String	No	20					
5	text	Text	Vtext	No						
6	lkey	Legend Key	String	Yes	30					
7	legtextkey	Legend Text Key	String	Yes	30					

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **mapunit**

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

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **mdstatdomdet**

Seq	Column Physical Name	Column Label	Logical Data Type	Not Null?	Size	Prec	Min	Max	Units of Measure	Domain
1	domainname	Domain Name	String	Yes	40					
2	choicesequenc	Choice Sequence	Integer	Yes						
3	choice	Choice	String	Yes	254					
4	choicedesc	Choice Description	Vtext	No						
5	choiceobsolete	Obsolete Choice?	Boolean	Yes	3					

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **mdstatdommas**

Seq	Column Physical Name	Column Label	Logical Data Type	Not Null?	Size	Prec	Min	Max	Units of Measure	Domain
1	domainname	Domain Name	String	Yes	40					
2	domainmaxlen	Domain Maximum Length	Integer	Yes			1	254		

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **mdstatidxdet**

Seq	Column Physical Name	Column Label	Logical Data Type	Not Null?	Size	Prec	Min	Max	Units of Measure	Domain
1	tabphyname	Table Physical Name	String	Yes	30					
2	idxphyname	Index Physical Name	String	Yes	30					
3	idxcolsequence	Index Column Sequence	Integer	Yes						
4	colphyname	Column Physical Name	String	Yes	30					

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **mdstatidxmas**

Seq	Column Physical Name	Column Label	Logical Data Type	Not Null?	Size	Prec	Min	Max	Units of Measure	Domain
1	tabphyname	Table Physical Name	String	Yes	30					
2	idxphyname	Index Physical Name	String	Yes	30					
3	uniqueindex	Unique Index?	Boolean	Yes	3					

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **mdstatrshipdet**

Seq	Column Physical Name	Column Label	Logical Data Type	Not Null?	Size	Prec	Min	Max	Units of Measure	Domain
1	ltabphyname	Left Table Physical Name	String	Yes	30					
2	rtabphyname	Right Table Physical Name	String	Yes	30					
3	relationshipname	Relationship Name	String	Yes	30					
4	ltabcolphyname	Left Table Column Physical Name	String	Yes	30					
5	rtabcolphyname	Right Table Column Physical Name	String	Yes	30					

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **mdstatrshipmas**

Seq	Column Physical Name	Column Label	Logical Data Type	Not Null?	Size	Prec	Min	Max	Units of Measure	Domain
1	ltabphname	Left Table Physical Name	String	Yes	30					
2	rtabphname	Right Table Physical Name	String	Yes	30					
3	relationshipname	Relationship Name	String	Yes	30					
4	cardinality	Cardinality	Choice	Yes	254					cardinality
5	mandatory	Mandatory?	Boolean	Yes	3					

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **mdstatabcols**

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

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **mdstattabs**

Seq	Column Physical Name	Column Label	Logical Data Type	Not Null?	Size	Prec	Min	Max	Units of Measure	Domain
1	tabphyname	Table Physical Name	String	Yes	30					
2	tablogname	Table Logical Name	String	Yes	30					
3	tablabel	Table Label	String	Yes	80					
4	tabdesc	Table Description	Vtext	Yes						
5	iefilename	Import/Export File Name	String	Yes	30					

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **month**

Seq	Column Physical Name	Column Label	Logical Data Type	Not Null?	Size	Prec	Min	Max	Units of Measure	Domain
1	monthseq	Month Sequence	Integer	Yes			1	12		
2	monthname	Month Name	String	Yes	9					flooding_ponding_month

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **muaggatt**

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

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **muaggatt**

Seq	Column Physical Name	Column Label	Logical Data Type	Not Null?	Size	Prec	Min	Max	Units of Measure	Domain
23	engdwobdcd	ENG - Dwellings W/O Basements - Dominant Condition	String	No	254					
24	engdwbdcd	ENG - Dwellings with Basements - Dominant Condition	String	No	254					
25	engdwbll	ENG - Dwellings with Basements - Least Limiting	String	No	254					
26	engdwbml	ENG - Dwellings with Basements - Most Limiting	String	No	254					
27	engstafdcd	ENG - Septic Tank Absorption Fields - Dominant Condition	String	No	254					
28	engstafll	ENG - Septic Tank Absorption Fields - Least Limiting	String	No	254					
29	engstafml	ENG - Septic Tank Absorption Fields - Most Limiting	String	No	254					
30	engslbcd	ENG - Sewage Lagoons - Dominant Condition	String	No	254					
31	engslbcdp	ENG - Sewage Lagoons - Dominant Component	String	No	254					
32	englrscdcd	ENG - Local Roads and Streets - Dominant Condition	String	No	254					
33	engcmssdcd	ENG - Construction Materials; Sand Source - Dominant Condition	String	No	254					
34	engcmssmp	ENG - Construction Materials; Sand Source - Most Probable	String	No	254					
35	urbrecptdcd	URB/REC - Paths and Trails - Dominant Condition	String	No	254					
36	urbrecptwta	URB/REC - Paths and Trails - Weighted Average	Float	No		2				
37	forpehrtcdp	FOR - Potential Erosion Hazard (Road/Trail) - Dominant Component	String	No	254					
38	hydclprs	Hydric Classification - Presence	Choice	No	254					hydric_classification_map_legend
39	awmmfpwwta	AWM - Manure and Food Processing Waste - Weighted Average	Float	No		2				
40	mukey	Mapunit Key	String	Yes	30					

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **muaoverlap**

Seq	Column Physical Name	Column Label	Logical Data Type	Not Null?	Size	Prec	Min	Max	Units of Measure	Domain
1	areaovacres	Overlap Acres	Integer	No			0		acres	
2	lareaovkey	Legend Area Overlap Key	String	Yes	30					
3	mukey	Mapunit Key	String	Yes	30					
4	muareaovkey	Mapunit Area Overlap Key	String	Yes	30					

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **mucropyld**

Seq	Column Physical Name	Column Label	Logical Data Type	Not Null?	Size	Prec	Min	Max	Units of Measure	Domain
1	cropname	Crop Name	Choice	No	254					crop_name
2	yldunits	Units	Choice	No	254					crop_yield_units
3	nonirryield_l	Nirr Yield - Low Value	Float	No		2	0	9999.99		
4	nonirryield_r	Nirr Yield - Representative Value	Float	No		2	0	9999.99		
5	nonirryield_h	Nirr Yield - High Value	Float	No		2	0	9999.99		
6	irryield_l	Irr Yield - Low Value	Float	No		2	0	9999.99		
7	irryield_r	Irr Yield - Representative Value	Float	No		2	0	9999.99		
8	irryield_h	Irr Yield - High Value	Float	No		2	0	9999.99		
9	mukey	Mapunit Key	String	Yes	30					
10	mucrpyldkey	Mapunit Crop Yield Key	String	Yes	30					

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **muline**

Seq	Column Physical Name	Column Label	Logical Data Type	Not Null?	Size	Prec	Min	Max	Units of Measure	Domain
1	areasybol	Area Symbol	String	Yes	20					
2	spatialversion	Spatial Version	Integer	Yes						
3	musym	Mapunit Symbol	String	Yes	6					
4	mukey	Mapunit Key	String	Yes	30					

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **mupoint**

Seq	Column Physical Name	Column Label	Logical Data Type	Not Null?	Size	Prec	Min	Max	Units of Measure	Domain
1	areasympol	Area Symbol	String	Yes	20					
2	spatialversion	Spatial Version	Integer	Yes						
3	musym	Mapunit Symbol	String	Yes	6					
4	mukey	Mapunit Key	String	Yes	30					

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **mupolygon**

Seq	Column Physical Name	Column Label	Logical Data Type	Not Null?	Size	Prec	Min	Max	Units of Measure	Domain
1	areasympol	Area Symbol	String	Yes	20					
2	spatialversion	Spatial Version	Integer	Yes						
3	musym	Mapunit Symbol	String	Yes	6					
4	mukey	Mapunit Key	String	No	30					

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **mutext**

Seq	Column Physical Name	Column Label	Logical Data Type	Not Null?	Size	Prec	Min	Max	Units of Measure	Domain
1	recdate	Date	Date/Time	No						
2	mapunittextkind	Kind	Choice	No	254					mapunit_text_kind
3	textcat	Category	String	No	20					
4	textsubcat	Subcategory	String	No	20					
5	text	Text	Vtext	No						
6	mukey	Mapunit Key	String	Yes	30					
7	mutextkey	Mapunit Text Key	String	Yes	30					

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **sacatalog**

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

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **sainterp**

Seq	Column Physical Name	Column Label	Logical Data Type	Not Null?	Size	Prec	Min	Max	Units of Measure	Domain
1	areasymbol	Area Symbol	String	Yes	20					
2	interpname	Interpretation Name	String	Yes	60					
3	interpctype	Interpretation Type	Choice	Yes	254					rule_design
4	interpdesc	Interpretation Description	Vtext	No						
5	interpdesigndate	Interpretation Design Date	Date/Time	Yes						
6	interpdate	Interpretation Generation Date	Date/Time	Yes						
7	interpmaxreasons	Interpretation Maximum Reasons	Integer	No				0		
8	sacatalogkey	Survey Area Catalog Key	String	Yes	30					
9	sainterpkey	Survey Area Interpretation Key	String	Yes	30					

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **sapolygon**

Seq	Column Physical Name	Column Label	Logical Data Type	Not Null?	Size	Prec	Min	Max	Units of Measure	Domain
1	areasympol	Area Symbol	String	Yes	20					
2	spatialversion	Spatial Version	Integer	Yes						
3	lkey	Legend Key	String	Yes	30					

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **sdvalgorithm**

Seq	Column Physical Name	Column Label	Logical Data Type	Not Null?	Size	Prec	Min	Max	Units of Measure	Domain
1	algorithmsequence	Algorithm Sequence	Integer	Yes						
2	algorithmname	Algorithm Name	String	Yes	50					algorithm
3	algorithminitials	Algorithm Initials	String	Yes	3					
4	algorithmdescription	Algorithm Description	Vtext	Yes						

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **sdvattribute**

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

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **sdvattribute**

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

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **sdvfolder**

Seq	Column Physical Name	Column Label	Logical Data Type	Not Null?	Size	Prec	Min	Max	Units of Measure	Domain
1	foldersequence	Folder Sequence	Integer	Yes			1			
2	foldername	Folder Name	String	Yes	80					
3	folderdescription	Folder Description	Vtext	Yes						
4	folderkey	Folder Key	Integer	Yes			1			
5	parentfolderkey	Parent Folder Key	Integer	No						
6	wlupdated	Last Updated	Date/Time	Yes						

SSURGO Metadata - Table Columns

SSURGO Metadata Version: 2.2.3

Table Physical Name: **sdvfolderattribute**

Seq	Column Physical Name	Column Label	Logical Data Type	Not Null?	Size	Prec	Min	Max	Units of Measure	Domain
1	folderkey	Folder Key	Integer	Yes			1			
2	attributekey	Attribute Key	Integer	Yes			1			