

NASIS 7.4.2 Tables and Columns

Table Physical Name: area

Table Label: Area

Table Logical Name: area

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	areatypeiidref	area_type_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Area Symbol	areasybol	area_symbol	String	Varchar	yes	20					yes	
4	Area Name	areaname	area_name	String	Varchar	no	135					yes	
5	Area Acres	areaacres	area_acres	Integer	Int	no			0		acres	yes	
6	Obsolete?	obterm	obsolete_term	Boolean	Bit	yes						yes	
7	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
8	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
9	Rec ID	areaiid	area_iid	Integer	Int	yes						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.

NASIS 7.4.2 Tables and Columns

Table Physical Name: areatext

Table Label: Area Text

Table Logical Name: area_text

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	areaiidref	area_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Date	recdate	record_date	Date/Time	Datetime	no						yes	
4	Author	recauthor	record_author	String	Varchar	no	25					yes	
5	Kind	areatextkind	area_text_kind	Choice	Smallint	no						yes	area_text_kind
6	Category	textcat	text_category	String	Varchar	no	20					yes	
7	Subcategory	textsubcat	text_subcategory	String	Varchar	no	20					yes	
8	Text Entry	textentry	text_entry	Narrative Text	Varchar(max)	no						yes	
9	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
10	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
11	Rec ID	areatextiid	area_text_iid	Integer	Int	yes						yes	

The Area Text table contains notes and narrative descriptions for each area. Area text is optional. In many cases, this table is empty.

NASIS 7.4.2 Tables and Columns

Table Physical Name: areatype

Table Label: Area Type

Table Logical Name: area_type

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Area Type Name	areatypename	area_type_name	String	Varchar	yes	45					yes	
2	Area Type NASIS Site	atdbiidref	area_type_database_iid_ref	Integer	Int	yes						yes	
3	NASIS Group	grpriidref	group_iid_ref	Integer	Int	yes						yes	
4	Object Last Updated	objwupdated	object_when_last_updated	Date/Time	Datetime	no						yes	
5	Object Last Updated By	objuseriidref	object_user_iid_ref	Integer	Int	no						yes	
6	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
7	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
8	Rec ID	areatypeiid	area_type_iid	Integer	Int	yes						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.

NASIS 7.4.2 Tables and Columns

Table Physical Name: attribute

Table Label: Attribute

Table Logical Name: attribute

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	sysiidref	system_iid_ref	Integer	Int	yes						no	
2	Logical Name	attlognm	attribute_logical_name	String	Varchar	yes	30					yes	
3	Physical Name	attphynm	attribute_physical_name	String	Varchar	yes	33					yes	
4	Label	attlabel	attribute_label	String	Varchar	no	80					yes	
5	Logical Data Type	attlogdattyp	attribute_logical_data_type	Choice	Smallint	yes						yes	logical_data_type_nasis
6	Field Size	attfldsiz	attribute_field_size	Integer	Smallint	no						yes	
7	Precision	attprec	attribute_precision	Integer	Smallint	no						yes	
8	Unit of Measure	uomiidref	unit_of_measure_iid_ref	Integer	Int	no						yes	
9	Domain	domiidref	domain_iid_ref	Integer	Int	no						yes	
10	Shorter DTIQ	attshortdtiq	attribute_shorter_dtiq	Choice	Smallint	no						yes	date_time_interval_qualifier
11	Longer DTIQ	attlongdtiq	attribute_longer_dtiq	Choice	Smallint	no						yes	date_time_interval_qualifier
12	Minimum	attmin	attribute_minimum	String	Varchar	no	254					yes	
13	Maximum	attmax	attribute_maximum	String	Varchar	no	254					yes	
14	Case Sensitive	attcasesensitive	attribute_casesensitive	Boolean	Bit	yes						yes	
15	Official Definition	attoffdef	attribute_official_definition	Narrative Text	Varchar(max)	no						yes	
16	Extended Definition	atttextdef	attribute_extended_definition	Narrative Text	Varchar(max)	no						yes	
17	Attribute Id	attributeid	attribute_id	Integer	Int	no						yes	
18	Pending Action	pendact	pending_action	Choice	Smallint	no						yes	pending_action
19	Pending Status	pendstat	pending_status	Choice	Smallint	no						yes	pending_status
20	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
21	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
22	Rec ID	attiid	attribute_iid	Integer	Int	yes						yes	

This table records the logical attributes of a particular system. A logical attribute corresponds to a physical column in one or more tables. The attributes of a logical attribute are those attributes of a data element that do not vary from column to column instance of that attribute. This makes it possible to record the definition of an attribute only once, regardless of how many times that attribute is instantiated as a physical column.

NASIS 7.4.2 Tables and Columns

Table Physical Name: attributehist

Table Label: Attribute History

Table Logical Name: attribute_history

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	attiidref	attribute_iid_ref	Integer	Int	yes						no	
2	Date	notedate	note_date	Date/Time	Datetime	no						yes	
3	Notes	notes	notes	Narrative Text	Varchar(max)	no						yes	
4	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
5	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
6	Rec ID	attnoteiid	attribute_note_iid	Integer	Int	yes						yes	

This table records notes about issues with and changes to a particular logical attribute.

NASIS 7.4.2 Tables and Columns

Table Physical Name: basalareatreescounted

Table Label: Basal Area Trees Counted

Table Logical Name: basal_area_trees_counted

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	plotspeciebasalareaiidref	plot_specie_basal_area_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Tree ID Nmbr	treenumber	tree_number	Integer	Int	yes			1			yes	
4	Tree Height	treeheight	tree_height	Float	Real	no		1	1	500	feet	yes	
5	DBH	treediameterbreastheight	tree_diameter_breast_height	Float	Real	no		1	0.1	360	inches	yes	
6	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
7	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
8	Rec ID	basalareatreescountediid	basal_area_trees_counted_iid	Integer	Int	yes						yes	

This table contains data about individual trees of a particular species measured when collecting basal area data as part of a vegetation inventory on a plot.

NASIS 7.4.2 Tables and Columns

Table Physical Name: beltdata

Table Label: Belt Data

Table Logical Name: belt_data

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	vegtransplantsummiiidref	veg_trans_plant_summ_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Height Class Lower Limit	planheightcllowerlimit	plant_height_class_lower_limit	Float	Real	yes		1	0	500	feet	yes	
4	Height Class Upper Limit	planheightclupperlimit	plant_height_class_upper_limit	Float	Real	yes		1	0	500	feet	yes	
5	Nmbr of Plants	plantcount	plant_count	Integer	Int	yes			0	999		yes	
6	Species Density	speciesdensity	species_density	Integer	Int	no			0		plants/acre	yes	
7	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
8	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
9	Rec ID	beltdataiid	belt_data_iid	Integer	Int	yes						yes	

This table records data collected using the Belt Transect protocol along a transect as part of a vegetation inventory.

NASIS 7.4.2 Tables and Columns

Table Physical Name: belttransectsummary

Table Label: Belt Transect Summary

Table Logical Name: belt_transect_summary

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	vegtransectidref	vegetation_transect_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Height Class Lower Limit	planheightcllowerlimit	plant_height_class_lower_limit	Float	Real	yes		1	0	500	feet	yes	
4	Height Class Upper Limit	planheightclupperlimit	plant_height_class_upper_limit	Float	Real	yes		1	0	500	feet	yes	
5	Total Nmbr of Plants	plantcounttotal	plant_count_total	Integer	Int	no			0			yes	
6	Height Class Plant Density	htclassplantdensity	ht_class_plant_density	Integer	Int	no			0		plants/acre	yes	
7	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
8	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
9	Rec ID	beltranssummiid	belt_transect_summary_iid	Integer	Int	yes						yes	

This table stored summary plant data for individual height classes from a belt transect.

NASIS 7.4.2 Tables and Columns

Table Physical Name: calctext

Table Label: Calculation Text

Table Logical Name: calculation_text

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	calciidref	calculation_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Date	recdate	record_date	Date/Time	Datetime	no						yes	
4	Author	recauthor	record_author	String	Varchar	no	25					yes	
5	Kind	calctextkind	calculation_text_kind	Choice	Smallint	no						yes	calculation_text_kind
6	Category	textcat	text_category	String	Varchar	no	20					yes	
7	Subcategory	textsubcat	text_subcategory	String	Varchar	no	20					yes	
8	Text Entry	textentry	text_entry	Narrative Text	Varchar(max)	no						yes	
9	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
10	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
11	Rec ID	calctextiid	calc_text_iid	Integer	Int	yes						yes	

The Calculation Text table contains notes and narrative descriptions for each calculation. Calculation text is typically used to document rationale for edits to calculation scripts, but is optional. In many cases, the table is empty.

NASIS 7.4.2 Tables and Columns

Table Physical Name: calculation

Table Label: Calculation

Table Logical Name: calculation

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Sequence	calc_seq	calculation_sequence	Integer	Smallint	no						yes	
2	Name	calc_nm	calculation_name	String	Varchar	yes	60					yes	
3	Type	calc_type	calculation_type	Choice	Smallint	yes						yes	calculation_type
4	Description	calc_desc	calculation_description	Narrative Text	Varchar(max)	no						yes	
5	Base Table	calc_tbl_iid	calculation_table_iid	Integer	Smallint	yes						yes	
6	Script	calc	calculation	Calculation	Varchar(max)	yes						yes	
7	Ready to use	dataafuse	data_approved_for_use	Boolean	Bit	yes						yes	
8	NASIS Site	calcdbiidref	calculation_database_iid_ref	Integer	Int	yes						yes	
9	NASIS Group	grpIIDref	group_iid_ref	Integer	Int	yes						yes	
10	Object Last Updated	objwIupdated	object_when_last_updated	Date/Time	Datetime	no						yes	
11	Object Last Updated By	objuseriidref	object_user_iid_ref	Integer	Int	no						yes	
12	Record When Last Updated	recwIupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
13	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
14	Rec ID	calc_iid	calculation_iid	Integer	Int	yes						yes	

This table records procedures used to derive the value of a column or to check the logical consistency of the value in one column with the values of one or more other columns.

NASIS 7.4.2 Tables and Columns

Table Physical Name: chaashto

Table Label: Horizon AASHTO

Table Logical Name: chorizon_aashto

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	chiidref	chorizon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	AASHTO	aashtocl	aashto_group_classification	Choice	Smallint	no						yes	aashto_group_classification
4	Representative?	rvindicator	rv_indicator	Boolean	Bit	yes						yes	
5	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
6	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
7	Rec ID	chaashtoid	chor_aashto_iid	Integer	Int	yes						yes	

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

NASIS 7.4.2 Tables and Columns

Table Physical Name: chconsistence

Table Label: Horizon Consistence

Table Logical Name: chorizon_consistence

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	chiidref	chorizon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Rupture Moist	rupresblkmst	rupture_resist_block_moist	Choice	Smallint	no						yes	rupture_resist_block_moist
4	Rupture Dry	rupresblkdry	rupture_resist_block_dry	Choice	Smallint	no						yes	rupture_resist_block_dry
5	Rupture Cement	rupresblkcem	rupture_resist_block_cem	Choice	Smallint	no						yes	rupture_resist_block_cem
6	Rupture Plate	rupresplate	rupture_resist_plate	Choice	Smallint	no						yes	rupture_resist_plate
7	Manner of Failure	mannerfailure	manner_of_failure	Choice	Smallint	no						yes	manner_of_failure
8	Stickiness	stickiness	stickiness	Choice	Smallint	no						yes	stickiness
9	Plasticity	plasticity	plasticity	Choice	Smallint	no						yes	plasticity
10	Representative?	rvindicator	rv_indicator	Boolean	Bit	yes						yes	
11	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
12	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
13	Rec ID	chconsistid	chor_consistence_iid	Integer	Int	yes						yes	

The Horizon Consistence table lists the range of rupture resistance, plasticity, and stickiness for each horizon. The row with the typically occurring characteristics is identified as the RV row.

NASIS 7.4.2 Tables and Columns

Table Physical Name: chdesgnsuffix

Table Label: Horizon Designation Suffix

Table Logical Name: chorizon_desgn_suffix

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	chiidref	chorizon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Suffix	desgnsuffix	horz_desgn_letter_suffix	Choice	Smallint	no						yes	horz_desgn_letter_suffix
4	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
5	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
6	Rec ID	chdesgnsfxiid	chor_desgn_suffix_iid	Integer	Int	yes						yes	

The Horizon Designation Suffix table contains the suffixes, one per row, for each horizon. For example, the "h" and "s" of a Bhs horizon appear as two rows in this table.

NASIS 7.4.2 Tables and Columns

Table Physical Name: chfrags

Table Label: Horizon Fragments

Table Logical Name: chorizon_fragments

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	chiidref	chorizon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Vol Pct	fragvol	fragment_volume	Float	Real	no		1	0	100	percent	yes	
4	Size	fragsize	fragment_size	Integer	Smallint	no			2	3000	mm	yes	
5	Kind	fragkind	fragment_kind	Choice	Smallint	no						yes	fragment_kind
6	Shape	fragshp	fragment_shape	Choice	Smallint	no						yes	fragment_shape
7	Roundness	fraground	fragment_roundness	Choice	Smallint	no						yes	fragment_roundness
8	Hardness	fraghard	fragment_hardness	Choice	Smallint	no						yes	rupture_resist_block_cem
9	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
10	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
11	Rec ID	chfragsiid	chor_fragments_iid	Integer	Int	yes						yes	

The Horizon Fragments table lists the mineral and organic fragments included in the horizon shown in the Horizon table. 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 mapunit. 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.

NASIS 7.4.2 Tables and Columns

Table Physical Name: chhuartrefecmdoc

Table Label: Horizon Human Artifacts Reference ECM Documents

Table Logical Name: chorizon_huart_ref_ecm_doc

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	chhuartidref	chor_human_artifact_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	ECM Document Name	ecmdocname	ecm_document_name	String	Varchar	no	255					no	
4	ECM Document Type	ecmdoctype	ecm_document_type	Choice	Smallint	no						no	document_kind
5	ECM Document URL	ecmdockeyurl	ecm_document_key_url	Hyperlink	Varchar	no	138					no	
6	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
7	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						no	
8	Rec ID	chhuartrefecmdociid	chor_huart_ref_ecm_doc_iid	Integer	Int	yes						no	

This table contains hyperlink(s) to document(s) stored in the Enterprise Content Management (ECM) system that are additional documentation of the component. A separate row is entered for each document stored in the ECM. The kinds of documents that can be stored are: Audio, images, diagrams, PDF, powerpoint presentations, spreadsheets, text (plain text or other word processing program), and video

NASIS 7.4.2 Tables and Columns

Table Physical Name: chhuarts

Table Label: Horizon Human Artifacts

Table Logical Name: chorizon_human_artifacts

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	chiidref	chorizon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Vol Pct	huartvol	human_artifact_volume	Integer	Smallint	yes			0	100	percent	yes	
4	Size	huartsize	human_artifact_size	Integer	Smallint	no			2	3000	mm	yes	
5	Kind	huartkind	human_artifact_kind	Choice	Smallint	yes						yes	human_artifact_kind
6	Cohesion	huartco	human_artifact_cohesion	Choice	Smallint	no						yes	human_artifact_cohesion
7	Shape	huartshp	human_artifact_shape	Choice	Smallint	no						yes	human_artifact_shape
8	Roundness	huartrnd	human_artifact_roundness	Choice	Smallint	no						yes	fragment_roundness
9	Penetrability	huartpen	human_artifact_penetrability	Choice	Smallint	no						yes	human_artifact_penetrability
10	Safety	huartsafety	human_artifact_safety	Choice	Smallint	no						yes	human_artifact_safety
11	Persistence	huartper	human_artifact_persistence	Choice	Smallint	no						yes	human_artifact_persistence
12	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
13	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
14	Rec ID	chhuartiid	chor_human_artifact_iid	Integer	Int	yes						yes	

The Horizon Human Artifacts table lists the human created and/or modified objects included in the horizon shown in the Horizon table. These are objects or materials created (or modified) by humans for practical purposes related to activities such as manufacturing, construction, or waste disposal. Examples of artifacts include processed wood products, liquid petroleum products, coal combustion by-products, asphalt, fibers and fabrics, bricks, cinder blocks, concrete, plastic, glass, rubber, paper, cardboard, iron and steel, altered or manufactured metals and minerals, sanitary and medical waste, garbage and landfill waste. If the Volume % is greater than zero (low=5, RV=10, high=15) in a row, the kind and size of artifact in that row exists everywhere this horizon and component occur in the mapunit. If the Volume % includes zero (low=0, RV=5, high=10), the kind and size of artifact may exist in some places, but not in others.

NASIS 7.4.2 Tables and Columns

Table Physical Name: chorizon

Table Label: Horizon

Table Logical Name: chorizon

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	coiidref	component_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Top Depth	hzdept	horizon_depth_to_top	Integer	Smallint	no			0	9999	cm	yes	
4	Bottom Depth	hzdepb	horizon_depth_to_bottom	Integer	Smallint	no			0	9999	cm	yes	
5	Thickness	hzthk	horizon_thickness	Integer	Smallint	no			0	9999	cm	yes	
6	Designation	hzname	horizon_designation	String	Varchar	no	25					yes	
7	Disc	desgndisc	horz_desgn_discontinuity	Integer	Smallint	no			2	99		yes	
8	Master	desgnmaster	horz_desgn_master	Choice	Smallint	no						yes	horz_desgn_master
9	Prime	desgnmasterprime	horz_desgn_master_prime	Choice	Smallint	no						yes	horz_desgn_master_prime
10	Sub	desgnvert	horz_desgn_vertical_subdvn	Integer	Smallint	no			1			yes	
11	Rep Tex Mod and Class	texturerv	texture_modifier_and_class_rv	String	Varchar	no	30					yes	
12	Total Fragment Volume	fragvoltot	fragment_volume_total	Integer	Smallint	no			0	100	percent	yes	
13	Rock >10	fraggt10	rock_frag_greater_than_10_in	Integer	Smallint	no			0	100	percent	yes	
14	Rock 3 to 10	frag3to10	rock_frag_3_to_10_in	Integer	Smallint	no			0	100	percent	yes	
15	Total Human Artifact Volume	huartvoltot	human_artifact_volume_total	Integer	Smallint	no			0	100	percent	yes	
16	#4	sieven4	sieve_number_4	Float	Real	no		1	0	100	percent	yes	
17	#10	sieven10	sieve_number_10	Float	Real	no		1	0	100	percent	yes	
18	#40	sieven40	sieve_number_40	Float	Real	no		1	0	100	percent	yes	
19	#200	sieven200	sieve_number_200	Float	Real	no		1	0	100	percent	yes	
20	Total Sand	sandtotal	sand_total_separate	Float	Real	no		1	0	100	percent	yes	
21	VCOS	sandvc	sand_very_coarse_separate	Float	Real	no		1	0	100	percent	yes	
22	COS	sandco	sand_coarse_separate	Float	Real	no		1	0	100	percent	yes	
23	MS	sandmed	sand_medium_separate	Float	Real	no		1	0	100	percent	yes	
24	FS	sandfine	sand_fine_separate	Float	Real	no		1	0	100	percent	yes	
25	VFS	sandvf	sand_very_fine_separate	Float	Real	no		1	0	100	percent	yes	
26	Total Silt	silttotal	silt_total_separate	Float	Real	no		1	0	100	percent	yes	
27	Coarse Silt	siltco	silt_coarse_separate	Float	Real	no		1	0	100	percent	yes	
28	Fine Silt	siltfine	silt_fine_separate	Float	Real	no		1	0	100	percent	yes	
29	Total Clay	claytotal	clay_total_separate	Float	Real	no		1	0	100	percent	yes	
30	CaCO3 Clay	claysizedcarb	clay_sized_carbonate	Float	Real	no		1	0	100	percent	yes	
31	Mica Kind	micakind	mica_kind	Choice	Smallint	no						yes	mica_kind
32	Mica 0.02 to 0.25 mm	micaveryfinepct	mica_very_fine_percent	Float	Real	no		1	0	100	percent	yes	
33	Mica 0.25 to 2 mm	micafinepct	mica_fine_percent	Float	Real	no		1	0	100	percent	yes	
34	OM	om	organic_matter_percent	Float	Real	no		2	0	100	percent	yes	
35	Rubbed Fiber Pct	fiberrubbedpct	fiber_rubbed_percent	Integer	Smallint	no			0	100	percent	yes	
36	Unrubbed Fiber Pct	fiberunrubbedpct	fiber_unrubbed_percent	Integer	Smallint	no			0	100	percent	yes	
37	Db 0.33 bar H2O	dbthirdbar	bulk_density_one_third_bar	Float	Real	no		2	.02	2.6	g/cm3	yes	
38	Db satiated	bdsatiated	bulk_density_satiated	Float	Real	no		2	.02	2.6	g/cm3	yes	
39	Db oven dry	dbovendry	bulk_density_oven_dry	Float	Float	no		2	.02	2.6	g/cm3	yes	
40	Dp	partdensity	particle_density	Float	Real	no		2	.01	5	g/cm3	yes	
41	Ksat	ksat	sat_hydraulic_conductivity	Float	Real	no		4	0	705	um/s	yes	
42	AWC	awc	available_water_capacity	Float	Real	no		2	0	0.7	cm/cm	yes	
43	0.1 bar H2O	wtenthbar	water_one_tenth_bar	Float	Real	no		1	0	100	percent	yes	
44	0.33 bar H2O	wthirdbar	water_one_third_bar	Float	Real	no		1	0	100	percent	yes	

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
45	15 bar H2O	wfifteenbar	water_fifteen_bar	Float	Real	no		1	0	100	percent	yes	
46	Satiated H2O	wsatiated	water_satiated	Integer	Smallint	no			0	100	percent	yes	
47	LL	ll	liquid_limit	Float	Real	no		1	0	400	percent	yes	
48	PI	pi	plasticity_index	Float	Real	no			0	130	percent	yes	
49	LEP	lep	linear_extensibility_percent	Float	Real	no		1	0	30	percent	yes	
50	AASHTO Group Index	aashind	aashto_group_index	Integer	Smallint	no			0	120		yes	
51	Kw	kwfact	soil_erodibility_factor_whole	Choice	Smallint	no						yes	soil_erodibility_factor
52	Kf	kffact	soil_erodibility_factor_rf	Choice	Smallint	no						yes	soil_erodibility_factor
53	CaCO3	caco3	calcium_carbonate_equivalent	Integer	Smallint	no			0	110	percent	yes	
54	Gypsum	gypsum	gypsum	Integer	Smallint	no			0	120	percent	yes	
55	SAR	sar	sodium_adsorption_ratio	Float	Real	no		1	0	9999		yes	
56	ESP	esp	exchangeable_sodium_percent	Integer	Smallint	no			0	100	percent	yes	
57	EC	ec	electrical_conductivity	Float	Real	no		1	0	15000	dS/m	yes	
58	EC 1:5 by volume	ec15	electrical_conductivity_1_5	Float	Real	no		1	0	100	dS/m	yes	
59	CEC7	cec7	cation_exch_capcty_nh4oacph7	Float	Real	no		1	0	400	cmol(+)/kg	yes	
60	ECEC	eccec	effective_cation_exch_capcty	Float	Real	no		1	0	400	cmol(+)/kg	yes	
61	Sum of Bases	sumbases	sum_of_bases_nh4oacph7	Float	Float	no		1	0	300	cmol(+)/kg	yes	
62	pH 1:1 water	ph1to1h2o	ph_1_1_water	Float	Real	no		1	1.0	13		yes	
63	pH .01M CaCl2	ph01mcac12	ph_01m_cac12	Float	Real	no		1	1.0	13		yes	
64	pH Oxidized	phoxidized	ph_oxidized	Float	Real	no		1	1.0	13		yes	
65	Free Iron	freeiron	free_iron_oxides	Float	Real	no		2	0	100	percent	yes	
66	Oxalate Fe	feoxalate	iron_oxalate	Float	Real	no		2	0	150000	mg/kg	yes	
67	Extr Acidity	extracid	extractable_acidity	Float	Real	no		1	0	250	cmol(+)/kg	yes	
68	Extract Al	extral	extractable_aluminum	Float	Real	no		2	0	150	cmol(+)/kg	yes	
69	Oxalate Al	aloxalate	aluminum_oxalate	Float	Real	no		2	0	170000	mg/kg	yes	
70	Monosulfide Presence	rmonosulfidep	monosulfide_presence	Boolean	Bit	yes						yes	
71	Bray 1 Phos	pbray1	phosphorus_bray1	Float	Real	no		1	0	500	mg/kg	yes	
72	Oxalate Phos	poxalate	phosphorus_oxalate	Float	Real	no		1	0		mg/kg	yes	
73	Water Soluble Phos	ph2osoluble	phosphorus_water_soluble	Float	Real	no		1	0	5000	mg/kg	yes	
74	Total Phos	ptotal	phosphorus_total	Float	Real	no		2	0	100	percent	yes	
75	NZ Phos Retention	nzpretention	nz_phosphorus_retention	Float	Real	no		1	0	100	percent	yes	
76	Excav Difficulty	excavdifcl	excavation_difficulty_class	Choice	Smallint	no						yes	excavation_difficulty_class
77	Excav Difficulty Moisture	excavdifms	excavation_difficulty_moist_st	Choice	Smallint	no						yes	observed_soil_moisture_status
78	Db 15 bar H2O	dbfifteenbar	bulk_density_fifteen_bar	Float	Real	no		2	0.02	2.6	g/cm3	no	
79	Db 0.1 bar H2O	dbtenthbar	bulk_density_one_tenth_bar	Float	Real	no		2	0.02	2.6	g/cm3	no	
80	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
81	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
82	Rec ID	chiid	chorizon_iid	Integer	Int	yes						yes	

The Horizon table lists the horizons for each component. If the horizon thickness is greater than zero (low=5, RV=8, high=12), the horizon exists everywhere this component occurs in this mapunit. If the horizon thickness includes zero (low=0, RV=1, high=3), the horizon may exist in some places where this component occurs, but may not exist in other places. Horizons that have two distinct parts, such as E/B or E&Bt, 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.

NASIS 7.4.2 Tables and Columns

Table Physical Name: chorrrefecmdoc

Table Label: Chorizon Reference ECM Documents

Table Logical Name: chorizon_ref_ecm_doc

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	chiidref	chorizon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	ECM Document Name	ecmdocname	ecm_document_name	String	Varchar	no	255					no	
4	ECM Document Type	ecmdoctype	ecm_document_type	Choice	Smallint	no						no	document_kind
5	ECM Document URL	ecmdockeyurl	ecm_document_key_url	Hyperlink	Varchar	no	138					no	
6	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
7	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						no	
8	Rec ID	chorrefecmdociid	chor_ref_ecm_doc_iid	Integer	Int	yes						no	

This table contains hyperlink(s) to document(s) stored in the Enterprise Content Management (ECM) system that are additional documentation of the component horizon. A separate row is entered for each document stored in the ECM. The kinds of documents that can be stored are: Audio, images, diagrams, PDF, powerpoint presentations, spreadsheets, text (plain text or other word processing program), and video.

NASIS 7.4.2 Tables and Columns

Table Physical Name: chpores

Table Label: Horizon Pores

Table Logical Name: chorizon_pores

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	chiidref	chorizon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Quantity	poreqty	pore_quantity	Float	Real	no		1	0	99	pores/area	yes	
4	Size	poresize	pore_size	Choice	Smallint	no						yes	pore_root_size
5	Continuity	porecont	pore_continuity_vertical	Choice	Smallint	no						yes	pore_continuity_vertical
6	Shape	poreshp	pore_shape	Choice	Smallint	no						yes	pore_shape
7	Representative?	rvindicator	rv_indicator	Boolean	Bit	yes						yes	
8	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
9	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
10	Rec ID	chporesiid	chor_pores_iid	Integer	Int	yes						yes	

The Horizon Pores table lists the voids for the horizon shown above in the Horizon table. 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 mapunit. If the Quantity includes zero (low=0, RV=2, high=5), the void 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.

NASIS 7.4.2 Tables and Columns

Table Physical Name: chstruct

Table Label: Horizon Structure

Table Logical Name: chorizon_structure

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	chstructgrpiidref	chor_structure_group_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Structure Grade	structgrade	structure_grade	Choice	Smallint	no						yes	structure_grade
4	Structure Size	structsize	structure_size	Choice	Smallint	no						yes	structure_size
5	Type	structtype	structure_type	Choice	Smallint	no						yes	structure_type
6	Structure ID	structid	structure_id	Integer	Smallint	no			1			yes	
7	Parts to Structure ID	structpartsto	structure_parts_to	Integer	Smallint	no			1			yes	
8	Record When Last Updated	recwlastupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
9	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
10	Rec ID	chstructiid	chor_structure_iid	Integer	Int	yes						yes	

The Horizon Structure table lists the soil structure size, grade, and shape for the structure group shown in the Horizon Structure Group table. It also provides an indicator of one structure type parting to another type.

NASIS 7.4.2 Tables and Columns

Table Physical Name: chstructgrp

Table Label: Horizon Structure Group

Table Logical Name: chorizon_structure_group

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	chiidref	chorizon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Structure	structgrpname	structure_group_name	String	Varchar	no	254					yes	
4	Representative?	rvindicator	rv_indicator	Boolean	Bit	yes						yes	
5	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
6	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
7	Rec ID	chstructgrpiid	chor_structure_group_iid	Integer	Int	yes						yes	

The Horizon Structure Group table lists the range of structures for each horizon. The row with the typically occurring structure is identified as the RV row. The entry in this table can be calculated based on entries in the Horizon Structure table.

NASIS 7.4.2 Tables and Columns

Table Physical Name: chtext

Table Label: Horizon Text

Table Logical Name: chorizon_text

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	chiidref	chorizon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Date	recdate	record_date	Date/Time	Datetime	no						yes	
4	Author	recauthor	record_author	String	Varchar	no	25					yes	
5	Kind	chorizontextkind	chorizon_text_kind	Choice	Smallint	no						yes	chorizon_text_kind
6	Category	textcat	text_category	String	Varchar	no	20					yes	
7	Subcategory	textsubcat	text_subcategory	String	Varchar	no	20					yes	
8	Text Entry	textentry	text_entry	Narrative Text	Varchar(max)	no						yes	
9	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
10	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
11	Rec ID	chtextiid	chor_text_iid	Integer	Int	yes						yes	

The Horizon Text table contains notes and narrative descriptions for each horizon. Horizon text is typically used to document rationale for edits to horizon data elements, but is optional. In many cases, the table is empty.

NASIS 7.4.2 Tables and Columns

Table Physical Name: chtexture

Table Label: Horizon Texture

Table Logical Name: chorizon_texture

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	chtgliidref	chor_texture_group_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Texture	texcl	texture_class	Choice	Smallint	no						yes	texture_class
4	In Lieu	lieutex	terms_used_in_lieu_of_texture	Choice	Smallint	no						yes	terms_used_in_lieu_of_texture
5	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
6	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
7	Rec ID	chtiid	chor_texture_iid	Integer	Int	yes						yes	

The Horizon Texture table lists the texture, or in lieu of texture, for the texture group shown above in the Horizon Texture Group table. Only the unmodified texture is 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 this table, and "gr" in the Horizon Texture Modifier table.

NASIS 7.4.2 Tables and Columns

Table Physical Name: chtexturegrp

Table Label: Horizon Texture Group

Table Logical Name: chorizon_texture_group

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	chiidref	chorizon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Tex Mod and Class	texture	texture_modifier_and_class	String	Varchar	no	30					yes	
4	Stratified Flag	stratextsflag	stratified_textures_flag	Boolean	Bit	yes						yes	
5	Representative?	rvindicator	rv_indicator	Boolean	Bit	yes						yes	
6	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
7	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
8	Rec ID	chtgliid	chor_texture_group_iid	Integer	Int	yes						yes	

The Horizon Texture Group table lists the range of textures for each horizon. 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".

NASIS 7.4.2 Tables and Columns

Table Physical Name: chtexturemod

Table Label: Horizon Texture Modifier

Table Logical Name: chorizon_texture_modifier

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	chtiidref	chor_texture_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Modifier	texmod	texture_modifier	Choice	Smallint	no						yes	texture_modifier
4	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
5	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
6	Rec ID	chtexmodiid	chor_texture_modifier_iid	Integer	Int	yes						yes	

The Horizon Texture Modifier table lists the texture modifiers for the texture shown above in the Horizon Texture Group and Horizon Texture tables. 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.

NASIS 7.4.2 Tables and Columns

Table Physical Name: chunified

Table Label: Horizon Unified

Table Logical Name: chorizon_unified

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	chiidref	chorizon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Unified	unifiedcl	unified_soil_classification	Choice	Smallint	no						yes	unified_soil_classification
4	Representative?	rvindicator	rv_indicator	Boolean	Bit	yes						yes	
5	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
6	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
7	Rec ID	chunifiediid	chor_unified_iid	Integer	Int	yes						yes	

The Horizon Unified table contains the Unified classifications for the horizon shown above in the Horizon table. One row in the Horizon Unified table is marked as the representative Unified classification for the horizon.

NASIS 7.4.2 Tables and Columns

Table Physical Name: climatestation

Table Label: Climate Station

Table Logical Name: climate_station

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	siteobsiidref	site_observation_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Climate Station ID	climstaid	climate_station_id	String	Varchar	no	8					yes	
4	Climate Station Name	climstanm	climate_station_name	String	Varchar	yes	50					yes	
5	Climate Station Type	climstatype	climate_station_type	String	Varchar	no	50					yes	
6	Climate Station WGS84 Latitude DD	latstddecimaldegrees	latitude_std_decimal_degrees	Float	Decimal	no	9	7	-90	90	degrees	yes	
7	Climate Station WGS84 Longitude DD	longstddecimaldegrees	longitude_std_decimal_degrees	Float	Decimal	no	10	7	-180	180	degrees	yes	
8	Climate Station Elevation	elev	elevation	Float	Real	no		1	-300	8550	meters	yes	
9	Distance From Climate Station	distancefromclimstation	distance_from_climate_station	Integer	Int	no			0	1000000	meters	yes	
10	Direction From Climate Station	directionfromclimstation	direction_from_climate_station	Integer	Int	no			0	360	degrees	yes	
11	Climate Station URL	climatestationurl	climate_station_url	String	Varchar	no	135					yes	
12	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
13	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
14	Rec ID	climatestationiid	climate_station_iid	Integer	Int	yes						yes	

This table holds metadata about the Climate Station.

NASIS 7.4.2 Tables and Columns

Table Physical Name: cocanopycover

Table Label: Component Canopy Cover

Table Logical Name: component_canopy_cover

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	coiidref	component_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Canopy Cover Pct	plantcov	plant_species_cover_percent	Integer	Smallint	no			0	100	percent	yes	
4	Local Plant	lplantiidref	local_plant_iid_ref	Integer	Int	yes						yes	
5	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
6	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
7	Rec ID	cocanopycoviid	comp_canopy_cover_iid	Integer	Int	yes						yes	

The Component Canopy Cover table lists the plants that typically occur on this component in this mapunit. The rows in this table, as a group, describe the representative situation for this component in this mapunit.

NASIS 7.4.2 Tables and Columns

Table Physical Name: cocropyld

Table Label: Component Crop Yield

Table Logical Name: component_crop_yield

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	coidref	component_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Crop Name	cropname	crop_name	Choice	Smallint	no						yes	crop_name
4	Units	yldunits	crop_yield_units	Choice	Smallint	no						yes	crop_yield_units
5	Nirr Yield	nonirryield	nonirr_crop_yield	Float	Real	no		2	0	9999.99		yes	
6	Irr Yield	irryield	irrigated_crop_yield	Float	Real	no		2	0	9999.99		yes	
7	Crop Productivity Index	cropprodindex	crop_productivity_index	Integer	Smallint	no			0	100		yes	
8	VA Soil Prod Grp	vasoiprdgrp	va_soil_productivity_group	Choice	Smallint	no						yes	va_soil_productivity_group
9	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
10	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
11	Rec ID	cocropyldiid	comp_crop_yield_iid	Integer	Int	yes						yes	

The Component Crop Yield table lists commonly grown crops and their expected range in yields when grown on this component in this mapunit.

NASIS 7.4.2 Tables and Columns

Table Physical Name: codiagfeatrefecmdoc

Table Label: Component Diagnostic Features Reference ECM Documents

Table Logical Name: component_diagfeat_ref_ecm_doc

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	codiagfeatidref	component_diag_feat_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	ECM Document Name	ecmdocname	ecm_document_name	String	Varchar	no	255					no	
4	ECM Document Type	ecmdoctype	ecm_document_type	Choice	Smallint	no						no	document_kind
5	ECM Document URL	ecmdockeyurl	ecm_document_key_url	Hyperlink	Varchar	no	138					no	
6	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
7	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						no	
8	Rec ID	codiagfeatrefecmdociid	comp_diag_feat_ref_ecm_doc_iid	Integer	Int	yes						no	

This table contains hyperlink(s) to document(s) stored in the Enterprise Content Management (ECM) system that are additional documentation of the component diagnostic features found. A separate row is entered for each document stored in the ECM. The kinds of documents that can be stored are: Audio, images, diagrams, PDF, powerpoint presentations, spreadsheets, text (plain text or other word processing program), and video.

NASIS 7.4.2 Tables and Columns

Table Physical Name: codiagfeatures

Table Label: Component Diagnostic Features

Table Logical Name: component_diagnostic_features

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	coiidref	component_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Top Depth	featdept	diag_horz_feat_depth_to_top	Integer	Smallint	no			0	9999	cm	yes	
4	Bottom Depth	featdepb	diag_horz_feat_depth_to_botm	Integer	Smallint	no			0	9999	cm	yes	
5	Thickness	featthick	diag_horz_feat_thickness	Integer	Smallint	no			0	9999	cm	yes	
6	Kind	featkind	diag_horz_feat_kind	Choice	Smallint	no						yes	diag_horz_feat_kind
7	Record When Last Updated	recwlupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
8	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
9	Rec ID	codiagfeatiid	comp_diagnostic_features_iid	Integer	Int	yes						yes	

The Component Diagnostic Features table lists the typical features, such as ochric epipedon or cambic horizon, for this component in this data mapunit. The rows in this table, as a group, describe the representative situation for this component in this mapunit.

NASIS 7.4.2 Tables and Columns

Table Physical Name: coecosite

Table Label: Component Ecological Site

Table Logical Name: component_ecological_site

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	coliidref	component_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Ecological Site	ecositeiidref	ecological_site_iid_ref	Integer	Int	yes						yes	
4	Representative Ecological Site	repecosite	representative_ecol_site	Boolean	Bit	yes						yes	
5	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
6	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
7	Rec ID	coecositeiid	comp_ecological_site_iid	Integer	Int	yes						yes	

The Component Ecological Site table records the NRCS ecological site(s) associated with a particular data mapunit component. Other vegetative classifications associated with a component are recorded in the Component Other Vegetative Classification table. For a typical intensity of mapping (Order 2), one and only one NRCS ecological site should be associated with a component. It is permissible to associate more than one ecological site with a component in areas of higher order mapping.

NASIS 7.4.2 Tables and Columns

Table Physical Name: coecositehist

Table Label: Component Ecological Site History

Table Logical Name: component_ecological_site_hist

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	coecositeiidref	comp_ecological_site_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Correlation Kind	ecositecorrelationkind	eco_site_correlation_kind	Choice	Smallint	no						yes	eco_site_correlation_kind
4	Correlation Event	ecositecorrelationevent	eco_site_correlation_event	Choice	Smallint	yes						yes	eco_site_correlation_event
5	Note Date	notedate	note_date	Date/Time	Datetime	no						yes	
6	Notes	notes	notes	Narrative Text	Varchar(max)	no						yes	
7	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
8	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
9	Rec ID	coecositehistiid	comp_ecological_site_hist_iid	Integer	Int	yes						yes	

This table records the ecological site correlation history of a component record from the time it is first described and correlated in the field and throughout the life of the data record.

NASIS 7.4.2 Tables and Columns

Table Physical Name: coeplants

Table Label: Component Existing Plants

Table Logical Name: component_existing_plants

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	coiidref	component_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Local Plant	lplantidref	local_plant_iid_ref	Integer	Int	yes						yes	
4	Understory Comp Pct	forestunprod	forest_understory_prod_pct	Integer	Smallint	no			0	100	percent	yes	
5	Range Comp Pct	rangeprod	rangeland_prod_percent	Integer	Smallint	no			0	100	percent	yes	
6	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
7	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
8	Rec ID	coeplantsiid	comp_existing_plants_iid	Integer	Int	yes						yes	

The Component Existing Plants table lists the plants, either rangeland or forestland, that typically occur on this component in this data mapunit. The rows in this table, as a group, describe the representative situation for this component in this data mapunit.

NASIS 7.4.2 Tables and Columns

Table Physical Name: coerosionacc

Table Label: Component Erosion Accelerated

Table Logical Name: component_erosion_accelerated

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	coiidref	component_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Kind	erokind	erosion_accelerated_kind	Choice	Smallint	no						yes	erosion_accelerated_kind
4	Representative?	rvindicator	rv_indicator	Boolean	Bit	yes						yes	
5	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
6	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
7	Rec ID	coeroacciid	comp_erosion_accelerated_iid	Integer	Int	yes						yes	

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

NASIS 7.4.2 Tables and Columns

Table Physical Name: coforprod

Table Label: Component Forest Productivity

Table Logical Name: component_forest_prod

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	coiidref	component_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Local Plant	lplantiidref	local_plant_iid_ref	Integer	Int	yes						yes	
4	Site Index Base	siteindexbase	site_index_base	Choice	Smallint	no						yes	site_index_curves
5	Site Index	siteindex	site_index	Integer	Smallint	no			1	300	feet	yes	
6	Site Index Std Deviation	siteindexstddev	site_index_standard_deviation	Float	Real	no		1	0	99.9	feet	yes	
7	Productivity CMAI	fprodcmai	forest_productivity_cmai	Float	Real	no		2	0	9999	ft3/ac/yr CMAI	yes	
8	Productivity CMAI Age	fprodage	forest_prod_cmai_age	Integer	Smallint	no			0	999	yrs	yes	
9	MN Prod Index	mnfprodindex	mn_forest_productivity_index	Integer	Int	no			0	100		yes	
10	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
11	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
12	Rec ID	cofprodiid	comp_forest_prod_iid	Integer	Int	yes						yes	

The Component Forest Productivity table lists the site index and the annual productivity in cubic feet per acre per year (ft3/ac/yr CMAI) of forest overstory tree species that typically occur on this component in this component.

NASIS 7.4.2 Tables and Columns

Table Physical Name: coforprodo

Table Label: Component Forest Productivity - Other

Table Logical Name: component_forest_prod_other

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	cofprodiidref	comp_forest_prod_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Site Index Base	siteindexbase	site_index_base	Choice	Smallint	no						yes	site_index_curves
4	Site Index	siteindex	site_index	Integer	Smallint	no			1	300	feet	yes	
5	Productivity	fprod	forest_productivity	Float	Real	no		2	0	9999		yes	
6	Units	fprodunits	forest_productivity_units	Choice	Smallint	no						yes	forest_productivity_units
7	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
8	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
9	Rec ID	cofprodoiid	comp_forest_prod_other_iid	Integer	Int	yes						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 this component in this mapunit.

NASIS 7.4.2 Tables and Columns

Table Physical Name: cogeomordesc

Table Label: Component Geomorphic Description

Table Logical Name: component_geomorph_desc

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	coidref	component_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Representative?	rvindicator	rv_indicator	Boolean	Bit	yes						yes	
4	Geomorphic Feature	geomfiidref	geomorph_feat_iid_ref	Integer	Int	yes						yes	
5	Feature Modifier	geomfmod	geomorph_feat_modifier	String	Varchar	no	60					yes	
6	Feature ID	geomfeatid	geomorphic_feat_id	Integer	Smallint	no						yes	
7	Exists on Feature ID	existsonfeat	exists_on_feature	Integer	Smallint	no						yes	
8	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
9	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
10	Rec ID	cogeomdiid	comp_geomorph_desc_iid	Integer	Int	yes						yes	

The Component Geomorphic Description table lists the geomorphic features on which this component occurs when mapped in this mapunit.

NASIS 7.4.2 Tables and Columns

Table Physical Name: cohydrcrit

Table Label: Component Hydric Criteria

Table Logical Name: component_hydric_criteria

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	coiidref	component_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Hydric Criterion	hydriccriterion	hydric_criteria	Choice	Smallint	yes						yes	hydric_criteria
4	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
5	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
6	Rec ID	cohydrcritiid	comp_hydric_criteria_iid	Integer	Int	yes						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."

NASIS 7.4.2 Tables and Columns

Table Physical Name: coinundationtype

Table Label: Component Inundation Type

Table Logical Name: component_inundation_type

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	coiidref	component_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Inundation Type	inundationtype	inundation_type	Choice	Smallint	no						yes	inundation_type
4	Representative?	rvindicator	rv_indicator	Boolean	Bit	yes						yes	
5	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
6	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
7	Rec ID	coinundationtypeiid	comp_inundation_type_iid	Integer	Int	yes						yes	

This table lists the kinds of inundation types that occur on this component in this mapunit. One row in this table is marked as the representative inundation type for this component.

NASIS 7.4.2 Tables and Columns

Table Physical Name: columnlookup

Table Label: Column Lookup

Table Logical Name: column_lookup

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	tabcoliidref	table_column_iid_ref	Integer	Int	yes						no	
2	Display Sequence	displayseq	display_sequence	Integer	Int	yes						yes	
3	Branch	branch	branch	Integer	Int	yes						yes	
4	Relationship	relationshipiidref	relationship_iid_ref	Integer	Int	yes						yes	
5	Display Column	displaytabcoliidref	display_column_iid_ref	Integer	Int	no						yes	
6	Column Label Override	displaycolumnlabel	display_column_label	String	Varchar	no	80					yes	
7	Display Only in Choice List	choicelistonly	display_only_in_choice_list	Boolean	Bit	yes						yes	
8	Pending Action	pendact	pending_action	Choice	Smallint	no						yes	pending_action
9	Pending Status	pendstat	pending_status	Choice	Smallint	no						yes	pending_status
10	Record When Last Updated	recwlastupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
11	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
12	Rec ID	columnlookupiid	column_lookup_iid	Integer	Int	yes						yes	

Column lookup data

NASIS 7.4.2 Tables and Columns

Table Physical Name: columnlookuphist

Table Label: Column Lookup History

Table Logical Name: column_lookup_history

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	columnlookupiidref	column_lookup_iid_ref	Integer	Int	yes						no	
2	Date	notedate	note_date	Date/Time	Datetime	no						yes	
3	Notes	notes	notes	Narrative Text	Varchar(max)	no						yes	
4	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
5	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
6	Rec ID	collookupnoteiid	column_lookup_note_iid	Integer	Int	yes						yes	

This table records notes about issues with and changes to a particular column lookup.

NASIS 7.4.2 Tables and Columns

Table Physical Name: comonth

Table Label: Component Month

Table Logical Name: component_month

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	coiidref	component_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Month	month	month	Choice	Smallint	no						yes	flooding_ponding_month
4	Flooding Frequency Class	flodfreqcl	flooding_frequency_class	Choice	Smallint	no						yes	flooding_frequency_class
5	Flooding Duration Class	floddurcl	flooding_duration_class	Choice	Smallint	no						yes	flooding_duration_class
6	Ponding Frequency	pondfreqcl	ponding_frequency_class	Choice	Smallint	no						yes	ponding_frequency_class
7	Ponding Duration	ponddurcl	ponding_duration_class	Choice	Smallint	no						yes	ponding_duration_class
8	Ponding Depth	ponddep	ponding_depth	Integer	Smallint	no			0	185	cm	yes	
9	Daily Precip	dlyavgprecip	daily_avg_precip	Integer	Smallint	no			0	750	mm	yes	
10	Daily ET	dlyavgpotet	daily_avg_pot_evapotrans	Integer	Smallint	no			0	300	mm	yes	
11	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
12	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
13	Rec ID	comonthiid	comp_month_iid	Integer	Int	yes						yes	

The Component Month lists the monthly flooding and ponding characteristics for this component in this mapunit. This table has one row for each month of the year.

NASIS 7.4.2 Tables and Columns

Table Physical Name: comparativeyielddata

Table Label: Comparative Yield Data

Table Logical Name: comparative_yield_data

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	vegtransectidref	vegetation_transect_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Yield Rank	yieldrank	yield_rank	Integer	Int	yes			0	5		yes	
4	Tally Count	tallycount	tally_count	Integer	Int	yes			0	300		yes	
5	Rank X Tally	rankxtally	rank_x_tally	Float	Real	no		2				yes	
6	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
7	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
8	Rec ID	compyielddataiid	comparative_yield_data_iid	Integer	Int	yes						yes	

This table contains data collected using the Comparative Yield protocol as part of a vegetation inventory.

NASIS 7.4.2 Tables and Columns

Table Physical Name: comparativeyieldrefquadrats

Table Label: Comparative Yield Reference Quadrats

Table Logical Name: comparative_yield_ref_quadrats

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	vegtransectidref	vegetation_transect_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Ref Yeild Rank	refyieldrank	reference_yield_rank	Choice	Smallint	yes						yes	reference_yield_rank
4	Quadrat Size	quadratsize	quadrat_size	Float	Real	yes	2	0.1	999		ft2	yes	
5	Quadrat Shape	quadratshape	quadrat_shape	Choice	Smallint	yes						yes	quadrat_shape
6	Clipped Weight	clippedwtrefquadrat	clipped_weight_ref_quadrat	Integer	Int	yes			0		g	yes	
7	Conversion Factor	compyldconvfactor	comparative_yield_conv_factor	Float	Real	yes	2	0.01	999.99			yes	
8	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
9	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
10	Rec ID	compyldrefquadiid	comparative_yld_ref_quad_iid	Integer	Int	yes						yes	

This table contains data about the reference quadrats from the Comparative Yield protocol as part of a vegetation inventory.

NASIS 7.4.2 Tables and Columns

Table Physical Name: compgeomorphdescrefecmdoc

Table Label: Component Geomorphic Description Reference ECM Documents

Table Logical Name: comp_geomorph_desc_ref_ecm_doc

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	cogeomdiidref	comp_geomorph_desc_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	ECM Document Type	ecmdoctype	ecm_document_type	Choice	Smallint	no						no	document_kind
4	ECM Document Name	ecmdocname	ecm_document_name	String	Varchar	no	255					no	
5	ECM Document URL	ecmdockeyurl	ecm_document_key_url	Hyperlink	Varchar	no	138					no	
6	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
7	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						no	
8	Rec ID	cogeomrefecmdociid	co_geom_ref_ecm_doc_iid	Integer	Int	yes						no	

This table contains hyperlink(s) to document(s) stored in the Enterprise Content Management (ECM) system that are additional documentation of the Component Geomorphic Description. A separate row is entered for each document stored in the ECM. The kinds of documents that can be stored are: Audio, images, diagrams, PDF, powerpoint presentations, spreadsheets, text (plain text or other word processing program), and video.

NASIS 7.4.2 Tables and Columns

Table Physical Name: component

Table Label: Component

Table Logical Name: component

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	dmuidref	data_mapunit_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Comp Pct	compct	component_percent	Integer	Smallint	no			0	100	percent	yes	
4	Comp Name	compname	component_name	String	Varchar	no	60					yes	
5	Local Phase	localphase	local_phase	String	Varchar	no	40					yes	
6	Taxon Kind	compkind	component_kind	Choice	Smallint	no						yes	component_kind
7	Major Component	majcompflag	major_component_flag	Boolean	Bit	yes						yes	
8	Slope Gradient	slope	slope_gradient	Float	Real	no		1	0	999	percent	yes	
9	Slope Length USLE	sloplenuse	slope_length_usle	Integer	Smallint	no			0	4000	meters	yes	
10	Local Runoff Class	runoff	runoff	Choice	Smallint	no						yes	runoff
11	T	tfact	t_factor	Integer	Smallint	no			1	5	tons/acre/yr	yes	
12	WEI	wei	wind_erosibility_index	Choice	Smallint	no					tons/acre/yr	yes	wind_erosibility_index
13	WEG	weg	wind_erosibility_group	Choice	Smallint	no						yes	wind_erosibility_group
14	Erosion Class	erocl	erosion_class	Choice	Smallint	no						yes	erosion_class
15	Earth Cover Kind One	earthcovkind1	earth_cover_kind_level_one	Choice	Smallint	no						yes	earth_cover_kind_level_one
16	Earth Cover Kind Two	earthcovkind2	earth_cover_kind_level_two	Choice	Smallint	no						yes	earth_cover_kind_level_two
17	Hydric Condition	hydricon	hydric_condition	Choice	Smallint	no						yes	hydric_condition
18	Hydric Rating	hydricrating	hydric_rating	Choice	Smallint	no						yes	hydric_rating
19	Drainage Class	drainagecl	drainage_class	Choice	Smallint	no						yes	drainage_class
20	Hydrology Status	hydrologystatus	hydrology_status	Choice	Smallint	no						yes	hydrology_status
21	Elevation	elev	elevation	Float	Real	no		1	-300	8550	meters	yes	
22	Aspect Counter Clockwise	aspectccwise	slope_aspect_counterclockwise	Integer	Smallint	no			0	360	degrees	yes	
23	Aspect Representative	aspectrep	slope_aspect_representative	Integer	Smallint	no			0	360	degrees	yes	
24	Aspect Clockwise	aspectcwise	slope_aspect_clockwise	Integer	Smallint	no			0	360	degrees	yes	
25	Albedo Dry	albedodry	albedo_dry	Float	Real	no		2	0	1		yes	
26	MAAT	airtempa	mean_annual_air_temperature	Float	Real	no		1	-50	50	degrees c	yes	
27	MAP	map	mean_annual_precipitation	Integer	Smallint	no			0	11500	mm	yes	
28	REAP	reannualprecip	rel_effective_annual_precip	Integer	Smallint	no			0	11500	mm	yes	
29	Frost Free Days	ffd	mean_annual_frost_free_days	Integer	Smallint	no			0	365	days	yes	
30	MAST	soiltempa	mean_annual_soil_temperature	Float	Real	no		1	-40	50	degrees c	yes	
31	MAWT	watertempa	mean_annual_water_temp	Float	Real	no		1	-10	50	degrees c	yes	
32	Nirr LCC	nirrcapcl	nonirr_capability_class	Choice	Smallint	no						yes	capability_class
33	Nirr Subcl	nirrcapscl	nonirr_capability_subclass	Choice	Smallint	no						yes	capability_subclass
34	Nirr LCU	nirrcapunit	nonirr_capability_unit	Integer	Smallint	no			1	99		yes	
35	Irr LCC	irrcapcl	irrigated_capability_class	Choice	Smallint	no						yes	capability_class
36	Irr Subcl	irrcapscl	irrigated_capability_subclass	Choice	Smallint	no						yes	capability_subclass
37	Irr LCU	irrcapunit	irrigated_capability_unit	Integer	Smallint	no			1	99		yes	
38	Cons Tree Shrub Grp	constreeshrubgrp	conservation_tree_shrub_group	Choice	Smallint	no						yes	conservation_tree_shrub_group
39	Range Prod	rsprod	range_production	Integer	Int	no			0	20000	lbs/acre/yr	yes	
40	Ord Species Obsolete	lplantiidref	local_plant_iid_ref	Integer	Int	no						no	
41	Soil Slip Pot	soilslippot	soil_slippage_potential	Choice	Smallint	no						yes	soil_slippage_potential
42	Frost Action	frostact	potential_frost_action	Choice	Smallint	no						yes	potential_frost_action
43	Init Subsid	initsub	initial_subsidence	Integer	Smallint	no			0	999	cm	yes	
44	Total Subsid	totalsub	total_subsidence	Integer	Smallint	no			0	999	cm	yes	

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
45	Hydrologic Group	hydgrp	hydrologic_group	Choice	Smallint	no						yes	hydrologic_group
46	Corrosion Concrete	corcon	corrosion_concrete	Choice	Smallint	no						yes	corrosion_concrete
47	Corrosion Steel	corsteel	corrosion_uncoated_steel	Choice	Smallint	no						yes	corrosion_uncoated_steel
48	Taxonomic Class	taxclname	taxonomic_classification_name	String	Varchar	no	120					yes	
49	Order	taxorder	taxonomic_order	Choice	Smallint	no						yes	taxonomic_order
50	Suborder	taxsuborder	taxonomic_suborder	Choice	Smallint	no						yes	taxonomic_suborder
51	Great Group	taxgrtgroup	taxonomic_great_group	Choice	Smallint	no						yes	taxonomic_great_group
52	Subgroup	taxsubgrp	taxonomic_subgroup	Choice	Smallint	no						yes	taxonomic_subgroup
53	Particle Size	taxpartsize	taxonomic_family_particle_size	Choice	Smallint	no						yes	taxonomic_family_particle_size
54	Particle Size Mod	taxpartsizemod	taxonomic_family_part_size_mod	Choice	Smallint	no						yes	taxonomic_family_part_size_mod
55	CEC Activity Class	taxceactcl	taxonomic_family_c_e_act_class	Choice	Smallint	no						yes	taxonomic_family_c_e_act_class
56	Reaction	taxreaction	taxonomic_family_reaction	Choice	Smallint	no						yes	taxonomic_family_reaction
57	Tax Family Temp Class	taxtempcl	taxonomic_family_temp_class	Choice	Smallint	no						yes	taxonomic_family_temp_class
58	HAHT Material Class	taxfamhahatmatcl	taxonomic_family_haht_mat_cl	Choice	Smallint	no						yes	taxonomic_family_haht_mat_class
59	Moist Subclass	taxmoistscl	taxonomic_moisture_subclass	Choice	Smallint	no						yes	taxonomic_moisture_subclass
60	Temp Regime	taxtempregime	taxonomic_temp_regime	Choice	Smallint	no						yes	taxonomic_temp_regime
61	Keys to Taxonomy Edition Used	soiltaxedition	soil_taxonomy_edition	Choice	Smallint	no						yes	soil_taxonomy_edition
62	CA Storie Index	castorieindex	ca_storie_index	Integer	Smallint	no			0	100		yes	
63	CT Wetland	ctwetland	ct_wetland	Choice	Smallint	yes						yes	yes_no_n.a.
64	FL Ecol Comm Nmbr	flecolcommnum	fl_ecological_community_number	String	Varchar	no	5					yes	
65	FL Leach Pot	flsoilleachpot	fl_soil_leaching_potential	Choice	Smallint	no						yes	fl_soil_leaching_potential
66	FL Runoff Pot	flsoirunoffpot	fl_soil_runoff_potential	Choice	Smallint	no						yes	fl_soil_runoff_potential
67	FL Temik	fltemik2use	fl_temik_2_use	Choice	Smallint	yes						yes	yes_no_n.a.
68	FL Triumph	fltriumph2use	fl_triumph_2_use	Choice	Smallint	yes						yes	yes_no_n.a.
69	IA Subsoil P	iasubsoilp	ia_subsoil_phosphorus	Choice	Smallint	no						yes	ia_subsoil_p
70	IA Subsoil K	iasubsoilk	ia_subsoil_potassium	Choice	Smallint	no						yes	ia_subsoil_k
71	IN Drainage Grp	indraingrp	in_drainage_group	String	Char	no	3					no	
72	MI Soil Mgmt Grp	misoiingmtgrp	mi_soil_management_group	Choice	Smallint	no						yes	mi_soil_management_group
73	USFS Component Concept	usfscconcept	usfs_component_concept	Narrative Text	Varchar(max)	no						yes	
74	VA Soil Mgmt Grp	vasoiingmtgrp	va_soil_management_group	Choice	Smallint	no						yes	va_soil_management_group
75	Flooding Type	floodtype	flooding_type	Choice	Smallint	no						yes	flood_type
76	Flooding Frequency Class	coflodfreqcl	comp_flooding_frequency_class	Choice	Smallint	no						no	flooding_frequency_class
77	Flooding Duration Class	cofloddurcl	comp_flooding_duration_class	Choice	Smallint	no						no	flooding_duration_class
78	Ponding Frequency Class	copondfreqcl	comp_ponding_frequency_class	Choice	Smallint	no						no	ponding_frequency_class
79	Ponding Duration Class	coponddurcl	comp_ponding_duration_class	Choice	Smallint	no						no	ponding_duration_class
80	SIR phase - obsolete	otherph	class_determining_phase	String	Varchar	no	40					yes	
81	FL HE	flhe	fl_highly_erodible	Choice	Smallint	no						no	yes_no_n.a.
82	FL PHE	flphe	fl_potentially_highly_erodible	Choice	Smallint	no						no	yes_no_n.a.
83	Windbreak Suitability (Obsolete)	wndbrksuitgrp	windbreak_suitability_group	Choice	Smallint	no						no	windbreak_suitability_group
84	Conifer Habitat	wlconiferous	wildlife_habitat_coniferous	Choice	Smallint	no						no	wildlife_rating
85	Grain Habitat	wlgrain	wildlife_habitat_grain	Choice	Smallint	no						no	wildlife_rating
86	Grass Habitat	wlgrass	wildlife_habitat_grass	Choice	Smallint	no						no	wildlife_rating
87	Hardwood Habitat	wlhardwood	wildlife_habitat_hardwood	Choice	Smallint	no						no	wildlife_rating
88	Herbaceous Habitat	wlherbaceous	wildlife_habitat_herbaceous	Choice	Smallint	no						no	wildlife_rating
89	Openland Wildlife	wlopenland	wildlife_habitat_openland	Choice	Smallint	no						no	wildlife_rating
90	Rangeland Wildlife	wlrangeland	wildlife_habitat_rangeland	Choice	Smallint	no						no	wildlife_rating
91	Water Habitat	wlshallowwat	wildlife_habitat_shallow_water	Choice	Smallint	no						no	wildlife_rating
92	Shrub Habitat	wlshrub	wildlife_habitat_shrub	Choice	Smallint	no						no	wildlife_rating
93	Wetland Wildlife	wlwetland	wildlife_habitat_wetland	Choice	Smallint	no						no	wildlife_rating
94	Wetland Habitat	wlwetplant	wildlife_habitat_wetland_plant	Choice	Smallint	no						no	wildlife_rating

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
95	Woodland Wildlife	wlwoodland	wildlife_habitat_woodland	Choice	Smallint	no						no	wildlife_rating
96	IN NO3 Leach Index	innitrateleachi	in_nitrate_leaching_index	Integer	Smallint	no			0	99		no	
97	Prod Index	cropprodiindex	crop_productivity_index	Integer	Smallint	no			0	100		yes	
98	Miscellaneous Area	miscellaneousarea	miscellaneous_area	Choice	Smallint	no						no	miscellaneous_areas
99	Record When Last Updated	recwluupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
100	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
101	Rec ID	coiid	component_iid	Integer	Int	yes						yes	

The Component table lists the named soils and included soils in each mapunit. 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.

NASIS 7.4.2 Tables and Columns

Table Physical Name: coothvegclass

Table Label: Component Other Vegetative Classification

Table Logical Name: component_other_veg_class

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	coiidref	component_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Other Veg Class	ovegcliidref	oth_veg_class_iid_ref	Integer	Int	yes						yes	
4	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
5	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
6	Rec ID	coovegcliid	comp_other_veg_class_iid	Integer	Int	yes						yes	

The Component Other Vegetative Classification table records vegetative classifications associated with a particular mapunit component, other than the NRCS concept of an ecological site. The NRCS ecological site(s) associated with a particular component is recorded in the Component Ecological Site table. The primary reason for the existence of the Component Other Vegetative Classification table is the need to record the U.S. Forest Service concept of ecological site or habitat type. It also accommodates listing of forage suitability groups and other classifications.

NASIS 7.4.2 Tables and Columns

Table Physical Name: copedon

Table Label: Component Pedon

Table Logical Name: component_pedon

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	coiidref	component_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Pedon	peiidref	pedon_iid_ref	Integer	Int	yes						yes	
4	Representative?	rvindicator	rv_indicator	Boolean	Bit	yes						yes	
5	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
6	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
7	Rec ID	copedoniid	comp_pedon_iid	Integer	Int	yes						yes	

This table lists the pedon descriptions used to establish the range in characteristics (and representative values) for the associated component in the Component table. One of the pedons listed (and only one) may be identified as representative for the component.

NASIS 7.4.2 Tables and Columns

Table Physical Name: copm

Table Label: Component Parent Material

Table Logical Name: component_parent_material

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	copmgrpiidref	comp_parent_mat_grp_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Vertical Order	pmorder	parent_material_order	Integer	Smallint	no			1			yes	
4	Top Depth	pmdept	parent_mat_depth_to_top	Integer	Smallint	no			0	9999	cm	yes	
5	Bottom Depth	pmdepb	parent_mat_depth_to_bottom	Integer	Smallint	no			0	9999	cm	yes	
6	Textural Modifier	pmmodifier	parent_material_modifier	Choice	Smallint	no						yes	parent_material_modifier
7	General Modifier	pmgenmod	parent_material_general_mod	String	Varchar	no	60					yes	
8	Kind	pmkind	parent_material_kind	Choice	Smallint	no						yes	parent_material_kind
9	Origin	pmorigin	parent_material_origin	Choice	Smallint	no						yes	parent_material_origin
10	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
11	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
12	Rec ID	copmiid	comp_parent_material_iid	Integer	Int	yes						yes	

The Component Parent Material table lists the individual parent materials for the Group Name shown above in the Component Parent Material Group table.

NASIS 7.4.2 Tables and Columns

Table Physical Name: copmgrp

Table Label: Component Parent Material Group

Table Logical Name: component_parent_material_grp

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	coiidref	component_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Parent Material Group Name	pmgroupname	parent_material_group_name	String	Varchar	no	252					yes	
4	Representative?	rvindicator	rv_indicator	Boolean	Bit	yes						yes	
5	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
6	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
7	Rec ID	copmgrpiid	comp_parent_mat_grp_iid	Integer	Int	yes						yes	

The Component Parent Material Group table lists the range of parent materials in which this component formed when mapped in this mapunit. 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 delineations of this data mapunit, but another parent material (or sequence of parent materials) in other delineations 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.

NASIS 7.4.2 Tables and Columns

Table Physical Name: copwindbreak

Table Label: Component Potential Windbreak

Table Logical Name: component_potential_windbreak

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	coiidref	component_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Height	wndbrkht	windbreak_tree_height	Float	Real	no		1	0.1	35	meters	yes	
4	Local Plant	lplantiidref	local_plant_iid_ref	Integer	Int	yes						yes	
5	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
6	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
7	Rec ID	copwindbreakiid	comp_potential_windbreak_iid	Integer	Int	yes						yes	

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

NASIS 7.4.2 Tables and Columns

Table Physical Name: corefecmdoc

Table Label: Component Reference ECM Documents

Table Logical Name: component_ref_ecm_doc

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	coiidref	component_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	ECM Document Name	ecmdocname	ecm_document_name	String	Varchar	no	255					no	
4	ECM Document Type	ecmdoctype	ecm_document_type	Choice	Smallint	no						no	document_kind
5	ECM Document URL	ecmdockeyurl	ecm_document_key_url	Hyperlink	Varchar	no	138					no	
6	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
7	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						no	
8	Rec ID	corefecmdociid	comp_ref_ecm_doc_iid	Integer	Int	yes						no	

This table contains hyperlink(s) to document(s) stored in the Enterprise Content Management (ECM) system that are additional documentation of the component. A separate row is entered for each document stored in the ECM. The kinds of documents that can be stored are: Audio, images, diagrams, PDF, powerpoint presentations, spreadsheets, text (plain text or other word processing program), and video

NASIS 7.4.2 Tables and Columns

Table Physical Name: corestrictions

Table Label: Component Restrictions

Table Logical Name: component_restrictions

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	coiidref	component_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Top Depth	resdept	restriction_depth_to_top	Integer	Smallint	no			0	9999	cm	yes	
4	Bottom Depth	resdepb	restriction_depth_to_bottom	Integer	Smallint	no			0	9999	cm	yes	
5	Thickness	resthk	restriction_thickness	Integer	Smallint	no			0	999	cm	yes	
6	Kind	reskind	restriction_kind	Choice	Smallint	no						yes	restriction_kind
7	Hardness	reshard	restriction_hardness	Choice	Smallint	no						yes	rupture_resist_block_cem
8	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
9	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
10	Rec ID	corestrictiid	comp_restrictions_iid	Integer	Int	yes						yes	

The Component Restrictions table lists the root restrictive features or layers for this component in this mapunit. 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 this data mapunit where this component occurs. If the thickness of the restrictive layer includes zero (low=0, RV=2, high=5), this 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 layers occur in the soil.

NASIS 7.4.2 Tables and Columns

Table Physical Name: corestrictionsrefecmdoc

Table Label: Component Restrictions Reference ECM Documents

Table Logical Name: component_restrict_ref_ecm_doc

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	corestrictionsiidref	component_restrictions_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	ECM Document Name	ecmdocname	ecm_document_name	String	Varchar	no	255					no	
4	ECM Document Type	ecmdoctype	ecm_document_type	Choice	Smallint	no						no	document_kind
5	ECM Document URL	ecmdockeyurl	ecm_document_key_url	Hyperlink	Varchar	no	138					no	
6	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
7	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						no	
8	Rec ID	corestrictionsrefecmdociid	co_restriction_ref_ecm_doc_iid	Integer	Int	yes						no	

This table contains hyperlink(s) to document(s) stored in the Enterprise Content Management (ECM) system that are additional documentation of the data mapunit. A separate row is entered for each document stored in the ECM. The kinds of documents that can be stored are: Audio, images, diagrams, PDF, powerpoint presentations, spreadsheets, text (plain text or other word processing program), and video.

NASIS 7.4.2 Tables and Columns

Table Physical Name: correlation

Table Label: Correlation

Table Logical Name: correlation

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	muidref	mapunit_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Data Mapunit	dmuiidref	data_mapunit_iid_ref	Integer	Int	yes						yes	
4	Rep DMU	repdmu	representative_dmu	Boolean	Bit	yes						yes	
5	Constituent Acres	muconacres	mapunit_constituent_acres	Integer	Int	no			0		acres	yes	
6	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
7	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
8	Rec ID	corriid	correlation_iid	Integer	Int	yes						yes	

The Correlation table links the mapunit symbol shown above in the Mapunit table to its representative data mapunit, thus providing map unit composition and characteristics for this mapunit. This table may also link the mapunit symbol to other non-representative data mapunits, thus providing for correlation of older additional symbols used in this legend.

NASIS 7.4.2 Tables and Columns

Table Physical Name: cosoilmoist

Table Label: Component Soil Moisture

Table Logical Name: component_soil_moisture

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	comonthiidref	comp_month_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Top Depth	soimoistdept	soil_moist_depth_to_top	Integer	Smallint	no			0	9999	cm	yes	
4	Bottom Depth	soimoistdepb	soil_moist_depth_to_bottom	Integer	Smallint	no			0	9999	cm	yes	
5	Moisture Status	soimoiststat	soil_moisture_status	Choice	Smallint	no						yes	soil_moisture_status
6	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
7	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
8	Rec ID	cosoilmoistiid	comp_soil_moisture_iid	Integer	Int	yes						yes	

The Component Soil Moisture table describes the typical soil moisture profile in this component during the month shown above in the Component Month table. The soil moisture profiles for each month, taken as a group of twelve months, describe the representative situation for this component in this mapunit.

NASIS 7.4.2 Tables and Columns

Table Physical Name: cosoiltemp

Table Label: Component Soil Temperature

Table Logical Name: component_soil_temperature

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	comonthiidref	comp_month_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Top Depth	soitempdept	soil_temp_depth_to_top	Integer	Smallint	no			0	9999	cm	yes	
4	Bottom Depth	soitempdepb	soil_temp_depth_to_bottom	Integer	Smallint	no			0	9999	cm	yes	
5	Monthly Temp	soitempmm	soil_temperature_mean_monthly	Float	Real	no		1	-40	50	degrees c	yes	
6	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
7	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
8	Rec ID	cosoiltempiid	comp_soil_temperature_iid	Integer	Int	yes						yes	

The Component Soil Temperature table describes the typical soil temperature profile in this component during the month shown above in the Component Month table. The soil temperature profiles for each month, taken as a group of twelve months, describe the representative situation for this component in this mapunit.

NASIS 7.4.2 Tables and Columns

Table Physical Name: cosurffrags

Table Label: Component Surface Fragments

Table Logical Name: component_surface_fragments

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	coiidref	component_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Surf Frag Cvr Pct	sfragcov	surface_frag_cover_percent	Float	Real	no		2	0	100	percent	yes	
4	Avg Distance Between Rocks	distrocks	mean_distance_between_rocks	Float	Real	no		2	0	50	meters	yes	
5	Surface Frag Size	sfragsize	surface_frag_size	Integer	Smallint	no			2		mm	yes	
6	Kind	sfragkind	surface_frag_kind	Choice	Smallint	no						yes	fragment_kind
7	Shape	sfragshp	surface_frag_shape	Choice	Smallint	no						yes	fragment_shape
8	Roundness	sfraground	surface_frag_roundness	Choice	Smallint	no						yes	fragment_roundness
9	Hardness	sfraghard	surface_frag_hardness	Choice	Smallint	no						yes	rupture_resist_block_cem
10	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
11	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
12	Rec ID	cosurffragsiid	comp_surface_fragments_iid	Integer	Int	yes						yes	

The Component Surface Fragments table lists the organic or mineral fragments on the surface of the soil. 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 this data mapunit where this 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.

NASIS 7.4.2 Tables and Columns

Table Physical Name: cosurfmorphgc

Table Label: Component Three Dimensional Surface Morphometry

Table Logical Name: component_surface_morph_gc

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	cogeomdiidref	comp_geomorph_desc_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Geomorphic Component Mountains	geomposmntn	geomorphic_position_mountains	Choice	Smallint	no						yes	geomor_pos_mountain
4	Geomorphic Component Hills	geomposhill	geomorphic_position_hills	Choice	Smallint	no						yes	geomor_pos_hill
5	Geomorphic Component Terrace	geompostrce	geomorphic_position_terraces	Choice	Smallint	no						yes	geomor_pos_terrace
6	Geomorphic Component Flat	geomposflats	geomorphic_position_flats	Choice	Smallint	no						yes	geomor_pos_flat
7	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
8	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
9	Rec ID	cosurfmorgciid	comp_surface_morph_gc_iid	Integer	Int	yes						yes	

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

NASIS 7.4.2 Tables and Columns

Table Physical Name: cosurfmorphhpp

Table Label: Component Two Dimensional Surface Morphometry

Table Logical Name: component_surface_morph_hpp

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	cogeomdiidref	comp_geomorph_desc_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Hillslope Profile	hillslopeprof	hillslope_profile	Choice	Smallint	no						yes	hillslope_profile
4	Representative?	rvindicator	rv_indicator	Boolean	Bit	yes						yes	
5	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
6	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
7	Rec ID	cosurfmorphpiid	comp_surface_morph_hpp_iid	Integer	Int	yes						yes	

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

NASIS 7.4.2 Tables and Columns

Table Physical Name: cosurfmorphmr

Table Label: Component Microrelief Surface Morphometry

Table Logical Name: component_surface_morph_mr

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	cogeomdiidref	comp_geomorph_desc_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Microrelief Kind	geomicrorelief	geomorph_micro_relief	Choice	Smallint	no						yes	microrelief_kind
4	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
5	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
6	Rec ID	cosurfmormriid	comp_surface_morph_mr_iid	Integer	Int	yes						yes	

The Component Microrelief Surface Morphometry table lists the geomorphic position (or positions) of the component, in microrelief terms. The microrelief terms listed here apply to the geomorphic (microrelief) feature shown above in the Component Geomorphic Description table.

NASIS 7.4.2 Tables and Columns

Table Physical Name: cosurfmorphss

Table Label: Component Slope Shape Surface Morphometry

Table Logical Name: component_surface_morph_ss

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	cogeomdiidref	comp_geomorph_desc_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Slope Shape Across	shapeacross	shape_across	Choice	Smallint	no						yes	slope_shape
4	Slope Shape Up Down	shapedown	shape_down	Choice	Smallint	no						yes	slope_shape
5	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
6	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
7	Rec ID	cosurfmorssiid	comp_surface_morph_ss_iid	Integer	Int	yes						yes	

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

NASIS 7.4.2 Tables and Columns

Table Physical Name: cotaxfmmin

Table Label: Component Taxonomic Family Mineralogy

Table Logical Name: component_tax_fam_mineralogy

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	coiidref	component_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Vertical Order	minorder	mineralogy_order	Integer	Smallint	yes			1			yes	
4	Mineralogy	taxminalogy	taxonomic_family_mineralogy	Choice	Smallint	yes						yes	taxonomic_family_mineralogy
5	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
6	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
7	Rec ID	cotaxfmminiid	comp_tax_fam_min_iid	Integer	Int	yes						yes	

The Component Taxonomic Family Mineralogy table lists the mineralogy characteristics that apply to this component. The characteristics listed in this table, as a group, describe the representative situation for this component in this mapunit.

NASIS 7.4.2 Tables and Columns

Table Physical Name: cotaxmoistcl

Table Label: Component Taxonomic Moisture Class

Table Logical Name: component_tax_moisture_class

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	coiidref	component_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Moisture Class	taxmoistcl	taxonomic_moisture_class	Choice	Smallint	yes						yes	taxonomic_moisture_class
4	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
5	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
6	Rec ID	cotaxmciid	comp_tax_moisture_class_iid	Integer	Int	yes						yes	

The Component Taxonomic Moisture Class table provides clear identification of the intended taxonomic moisture class, 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 in this mapunit.

NASIS 7.4.2 Tables and Columns

Table Physical Name: cotext

Table Label: Component Text

Table Logical Name: component_text

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	coiidref	component_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Date	recdate	record_date	Date/Time	Datetime	no						yes	
4	Author	recauthor	record_author	String	Varchar	no	25					yes	
5	Kind	comptextkind	component_text_kind	Choice	Smallint	no						yes	component_text_kind
6	Category	textcat	text_category	String	Varchar	no	20					yes	
7	Subcategory	textsubcat	text_subcategory	String	Varchar	no	20					yes	
8	Text Entry	textentry	text_entry	Narrative Text	Varchar(max)	no						yes	
9	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
10	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
11	Rec ID	cotextiid	comp_text_iid	Integer	Int	yes						yes	

The Component Text table contains notes and narrative descriptions for this component. Component text is typically used to document rationale for edits to component data elements, but is optional. In many cases, the table will be empty.

NASIS 7.4.2 Tables and Columns

Table Physical Name: cotreestomng

Table Label: Component Trees To Manage

Table Logical Name: component_trees_to_manage

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	coiidref	component_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Local Plant	lplantiidref	local_plant_iid_ref	Integer	Int	yes						yes	
4	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
5	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
6	Rec ID	cotreestopiid	comp_trees_to_plant_iid	Integer	Int	yes						yes	

The Component Recommended Trees To Manage table lists the trees commonly recommended for managing on this component in this mapunit.

NASIS 7.4.2 Tables and Columns

Table Physical Name: cotxfmother

Table Label: Component Taxonomic Family Other Criteria

Table Logical Name: component_tax_fam_other

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	coiidref	component_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Family Other	taxfamother	taxonomic_family_other	Choice	Smallint	yes						yes	taxonomic_family_other
4	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
5	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
6	Rec ID	cotaxfoiid	comp_tax_fam_other_iid	Integer	Int	yes						yes	

The Component Taxonomic Family Other Criteria table lists the other taxonomic characteristics, such as classes of coatings or permanent cracks, that apply to the component. The characteristics listed in this table, as a group, describe the representative situation for this component in this mapunit.

NASIS 7.4.2 Tables and Columns

Table Physical Name: coufssecoclass

Table Label: Component USFS Ecological Classification

Table Logical Name: component_usfs_eco_class

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	coiidref	component_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	USFS Ecological Classification	usfseciidref	usfs_eco_class_iid_ref	Integer	Int	yes						yes	
4	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
5	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
6	Rec ID	cousfsecoclsiid	comp_usfs_eco_class_iid	Integer	Int	yes						yes	

This table records the U.S. ecological classifications for the corresponding component.

NASIS 7.4.2 Tables and Columns

Table Physical Name: coufsgrndcvr

Table Label: Component USFS Ground Cover

Table Logical Name: component_usfs_ground_cover

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	coiidref	component_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	USFS Ground Cover Percent	usfsgrndcovpct	usfs_ground_cover_percent	Float	Real	yes		2	0	100	percent	yes	
4	USFS Ground Cover Type	usfsgrndcovtyp	usfs_ground_cover_type	Choice	Smallint	yes						yes	usfs_ground_cover_type
5	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
6	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
7	Rec ID	cousfsgrndcvriid	comp_usfs_ground_cover_iid	Integer	Int	yes						yes	

This table records the U.S. Forest Service ground cover(s) for the corresponding component.

NASIS 7.4.2 Tables and Columns

Table Physical Name: coufsinterp

Table Label: Component USFS Interpretation

Table Logical Name: component_usfs_interpretation

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	coiidref	component_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	USFS Interpretation	usfsinterp_iidref	usfs_interp_iid_ref	Integer	Int	yes						yes	
4	USFS Interpretation Rating Class	usfsirclass_iidref	usfs_irclass_iid_ref	Integer	Int	no						yes	
5	USFS Interp Rating Numeric Value	usfsirnumval	usfs_irating_numeric_value	Float	Float	no		2				yes	
6	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
7	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
8	Rec ID	cousfsinterp_iid	comp_usfs_interp_iid	Integer	Int	yes						yes	

This table records the U.S. Forest Service soil interpretation results for the corresponding component.

NASIS 7.4.2 Tables and Columns

Table Physical Name: coufsirestrict

Table Label: Component USFS Interpretation Restriction

Table Logical Name: component_usfs_interp_restrict

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	cousfsinterpiidref	comp_usfs_interp_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	USFS Interpretation Restriction	usfsirstrctiidref	usfs_irestriction_iid_ref	Integer	Int	yes						yes	
4	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
5	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
6	Rec ID	cousfsirestrictiid	comp_usfs_irestrict_iid	Integer	Int	yes						yes	

This table records the U.S. Forest Service soil interpretation restrictions for the corresponding U.S. Forest Service soil interpretation for the corresponding component.

NASIS 7.4.2 Tables and Columns

Table Physical Name: covercropgrown

Table Label: Cover Crops Grown

Table Logical Name: cover_crop_grown

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	croppingpracticesiidref	cropping_practices_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	Cover Crop Grown	covercropgrown	cover_crop_grown	Choice	Smallint	no						no	cover_crop_grown
4	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
5	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						no	
6	Rec ID	covercropgrowniid	cover_crop_grown_iid	Integer	Int	yes						no	

Select crop name from the cover_crop_name Domain.

NASIS 7.4.2 Tables and Columns

Table Physical Name: croppingpractices

Table Label: Cropping Practices

Table Logical Name: cropping_practices

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	soilhealthiidref	soil_health_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	Cropping Done On Site	croppingdoneonsite	cropping_done_on_site	Boolean	Bit	yes						no	
4	Years in Current or Similar Management System	yearscurrentsimilarmgtsys	years_current_similar_mgt_sys	Choice	Smallint	no						no	years_in
5	Dom Form of Erosion or Deposition	erodepoformdom	ero_depo_form_dom	Choice	Smallint	no						no	dom_ero_depo_form
6	Nmbr of Times Fertilizer Applied	nmbrtimesfertilizerapplied	nmbr_times_fertilizer_applied	Integer	Smallint	no						no	
7	Nmbr of Years Fertilizer Applied	nmbryearsfertilizerapplied	nmbr_years_fertilizer_applied	Integer	Smallint	no			1		yrs	no	
8	How Often are Fertility Tests Done	howoftenfertilitytestdone	how_often_fertility_test_done	Choice	Smallint	no						no	fertility_tests_done
9	Fertility Tests Done	fertilitytestsdone	fertility_tests_done	Boolean	Bit	yes						no	
10	Applied N by Test	applyNbytest	apply_N_by_test	Boolean	Bit	yes						no	
11	Apply P2O5 by Test	applyPbytest	apply_P2O5_by_test	Boolean	Bit	yes						no	
12	Apply K2O by Test	applyKbytest	apply_K2O_by_test	Boolean	Bit	yes						no	
13	Lbs per Ac per Yr N Applied	lbsperacperyrNApplied	lbs_per_ac_yr_N	Integer	Smallint	no			0		lbs/acre/yr	no	
14	Organic Management Site	organicmanagementsite	organic_management_site	Boolean	Bit	yes						no	
15	Lbs per Ac per Yr P2O5 Applied	lbsperacperyrP2O5	lbs_per_ac_per_yr_P2O5	Integer	Smallint	no			0		lbs/acre/yr	no	
16	Fertilizer Applied	fertilizerapplied	fertilizer_applied	Boolean	Bit	yes						no	
17	Lbs per Ac per Yr K2O Applied	lbsperacperyrK2O	lbs_per_ac_yr_K2O	Integer	Smallint	no			0		lbs/acre/yr	no	
18	Pesticides Applied	pesticidesapplied	pesticides_applied	Boolean	Bit	yes						no	
19	Nmbr Times Pesticides Applied	nmbrtimespesticidesapplied	nmbr_times_pesticides_applied	Integer	Smallint	no						no	
20	Nmbr Years Pesticides Applied	nmbryearspesticidesapplied	nmbr_years_pesticides_applied	Integer	Smallint	no			1		yrs	no	
21	Typical Rotation Length	typicalrotationlength	typical_rotation_length	Integer	Smallint	no			1		yrs	no	
22	Crop Arrangement Current Year	croparrangementcurrentyr	crop_arrangement_current_yr	Choice	Smallint	no						no	crop_arrangement
23	Previous Year Crop Arrangement	previousyearcroparrangement	previous_year_crop_arrangement	Choice	Smallint	no						no	crop_arrangement
24	Other Crop Arrangement	othercroparrangement	other_crop_arrangement	Choice	Smallint	no						no	crop_arrangement
25	Dominant Tillage System	tillagesystemdom	tillage_system_dom	Choice	Smallint	no						no	tillage_system_dom
26	Most Common Tillage System	tillagesystemmostcommon	tillage_system_most_common	Choice	Smallint	no						no	tillage_system_most_common
27	Site Contoured Farm	sitecontourfarmed	site_contour_farmed	Boolean	Bit	yes						no	
28	Stover Harvested or Grazed	stoverharvestedgrazed	stover_harvested_grazed	Boolean	Bit	yes						no	
29	Stover Gleaned by Livestock	stovergleanedbylivestock	stover_gleaned_by_livestock	Boolean	Bit	yes						no	
30	Stover Mechanically Harvested	stovermechharvested	stover_mech_harvested	Boolean	Bit	yes						no	
31	Stover Grazed or Removed	stovergrazedorremoved	stover_grazed_or_removed	Boolean	Bit	yes						no	
32	Nmbr of Years Grazed	numbryearsingrazing	number_years_in_grazing	Integer	Smallint	no			1	9	yrs	no	
33	Burn Frequency	burnfrequency	burn_frequency	Choice	Smallint	no						no	burn_frequency
34	Burn Type	typeofburn	type_of_burn	Choice	Smallint	no						no	type_of_burn
35	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
36	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						no	
37	Rec ID	croppingpracticesiid	cropping_practices_iid	Integer	Int	yes						no	

Select the metadata information of the cropping practices used on the site.

NASIS 7.4.2 Tables and Columns

Table Physical Name: croptreedetails

Table Label: Crop Tree Details

Table Logical Name: crop_tree_details

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	croptreesummidref	crop_tree_summ_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Tree ID Nmbr	treenumber	tree_number	Integer	Int	no			1			yes	
4	Plant	plantiidref	plant_iid_ref	Integer	Int	yes						yes	
5	DBH	treediameterbreastheight	tree_diameter_breast_height	Float	Real	no		1	0.1	360	inches	yes	
6	Primary Category	croptreeprimarycat	crop_tree_primary_cat	Choice	Smallint	no						yes	crop_tree_category
7	Secondary Category	croptreesecondarycat	crop_tree_secondary_cat	Choice	Smallint	no						yes	crop_tree_category
8	Cut Tree	cuttreeindicator	cut_tree_indicator	Boolean	Bit	yes						yes	
9	Record When Last Updated	recwlupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
10	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
11	Rec ID	croptreedetailsiid	crop_tree_details_iid	Integer	Int	yes						yes	

This table contains the detailed tree inventory data collected using the Crop Tree Inventory protocol.

NASIS 7.4.2 Tables and Columns

Table Physical Name: croptreesubplotdetails

Table Label: Crop Tree Subplot Details

Table Logical Name: crop_tree_subplot_details

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	croptreesummidref	crop_tree_summ_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Subplot Nmbr	subplotnumber	subplot_number	Integer	Int	yes			1			yes	
4	Leave Tree Basal Area	leavetreebasalarea	leave_tree_basal_area	Integer	Int	no			0	500	ft2/acre	yes	
5	Cut Tree Basal Area	cuttreebasalarea	cut_tree_basal_area	Integer	Int	no			0	500	ft2/acre	yes	
6	Total BA	basalareasubplottotal	basal_area_subplot_total	Integer	Int	no			0	500	ft2/acre	yes	
7	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
8	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
9	Rec ID	croptreesubplotdetailsiid	crop_tree_subplot_details_iid	Integer	Int	yes						yes	

This table contains data pertaining to subplots as part of the Crop Tree Inventory.

NASIS 7.4.2 Tables and Columns

Table Physical Name: croptreesummary

Table Label: Crop Tree Summary

Table Logical Name: crop_tree_summary

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	vegplotidref	vegetation_plot_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Nmbr of Trees Counted	treecounttotal	tree_count_total	Integer	Int	no			0			yes	
4	Current Tree Density	currenttreedensity	current_tree_density	Integer	Int	no			1		trees/ac	yes	
5	Current Basal Area	currentbasalarea	current_basal_area	Integer	Int	no			0	500	ft2/acre	yes	
6	Current Plot Avg DBH	currentplotavedbh	current_plot_average_dbh	Float	Real	no		1	1	360	inches	yes	
7	Cut Tree Basal Area Ave	cuttreebasalareaave	cut_tree_basal_area_ave	Integer	Int	no			0	500	ft2/acre	yes	
8	Leave Tree Basal Area Ave	leavetreebasalareaave	leave_tree_basal_area_ave	Integer	Int	no			0	500	ft2/acre	yes	
9	Nmbr of Cut Trees	cuttreecount	cut_tree_count	Integer	Int	no			0			yes	
10	Cut Tree Density	cuttreedensity	cut_tree_density	Integer	Int	no			1		trees/ac	yes	
11	Cut Tree Average DBH	cuttreeavedbh	cut_tree_average_dbh	Float	Real	no		1	1	360	inches	yes	
12	Record When Last Updated	recw/updated	record_when_last_updated	Date/Time	Datetime	no						yes	
13	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
14	Rec ID	croptreesummaryiid	crop_tree_summary_iid	Integer	Int	yes						yes	

This table contains summary data for the crop tree inventory plot.

NASIS 7.4.2 Tables and Columns

Table Physical Name: croptreetotals

Table Label: Crop Tree Totals

Table Logical Name: crop_tree_totals

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	croptreesummiidref	crop_tree_summ_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Primary Category	croptreeprimarycat	crop_tree_primary_cat	Choice	Smallint	yes						yes	crop_tree_category
4	Nmbr of Trees Counted	categorytreecount	category_tree_count	Integer	Int	no			0			yes	
5	Tree Density	categorytreedensity	category_tree_density	Integer	Int	no			1		trees/ac	yes	
6	Average DBH	categorydbhave	category_average_dbh	Float	Real	no		1	1	360	inches	yes	
7	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
8	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
9	Rec ID	croptreetotalsiid	crop_tree_totals_iid	Integer	Int	yes						yes	

This table contains summary data of the individual crop tree categories.

NASIS 7.4.2 Tables and Columns

Table Physical Name: crpinformation

Table Label: CRP Report

Table Logical Name: crp_information

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	soilhealthiidref	soil_health_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	Currently or Formerly in Crp	currentlyorformerlyincrp	currently_or_formerly_in_crp	Boolean	Bit	yes						no	
4	Years in CRP	yearsincrp	years_in_crp	Choice	Smallint	no						no	years_in
5	Most Recent Year In CRP	mostrecentyearincrp	most_recent_year_in_crp	Integer	Smallint	no			1982	2050		no	
6	Dominant Vegetation	dominantvegetation	dominant_vegetation	Choice	Smallint	no						no	dominant_vegetation
7	Used for Emergency Hay or Grazing	usedforemergencyhaygraze	used_for_emergency_hay_graze	Boolean	Bit	yes						no	
8	Had a Prescribed Burn	hadprescribedburn	had_prescribed_burn	Boolean	Bit	yes						no	
9	Burn Evidence Seen	burnevidenceseen	burn_evidence_seen	Boolean	Bit	yes						no	
10	Years Since Last Burn	yearssincelastburn	years_since_last_burn	Choice	Smallint	no						no	yrs_since_last_burn
11	Burn Intensity	intensityorcharacterofburn	intensity_or_character_of_burn	Choice	Smallint	no						no	burn_intensity
12	Burn Type	typeofburn	type_of_burn	Choice	Smallint	no						no	type_of_burn
13	Dominant Form Erosion or Deposition	erodepoformdom	ero_depo_form_dom	Choice	Smallint	no						no	dom_ero_depo_form
14	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
15	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						no	
16	Rec ID	crpinformationiid	crp_information_iid	Integer	Int	yes						no	

This tables holds some CRP information from outside sources, i.e. not from NASIS. As of this date - 18 May 2020 - NASIS cannot connect to any other database.

NASIS 7.4.2 Tables and Columns

Table Physical Name: customchoicedomain

Table Label: Custom Choice Domain

Table Logical Name: custom_choice_domain

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Custom Choice List Set	customchoicelistsetiidref	custom_choice_list_set_iid_ref	Integer	Int	yes						no	
2	Domain ID	domainid	domain_id	Integer	Int	yes						no	
3	Unselected Domain Choices	unselecteddomainchoices	unselected_domain_choices	Narrative Text	Varchar(max)	yes						no	
4	Rec ID	customchoicedomainiid	custom_choice_domain_iid	Integer	Int	yes						no	

A record in this table corresponds to a customized domain. A customized domain is a domain where only a subset of the choices in that domain are displayed in the choice list. In this context, a domain corresponds to one of the static domains in table MetadataDomainMaster.

NASIS 7.4.2 Tables and Columns

Table Physical Name: customchoicelistset

Table Label: Custom Choice List Set

Table Logical Name: custom_choice_list_set

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Custom Choice List Set Name	customchoicelistsetname	custom_choice_list_set_name	String	Varchar	yes	60					no	
2	Custom Choice List Set Description	customchoicelistsetdesc	custom_choice_list_set_desc	Narrative Text	Varchar(max)	no						no	
3	Custom Choice List Set NASIS Site	cclsdbiidref	ccls_db_iid_ref	Integer	Int	yes						no	
4	NASIS Group	grpIIDref	group_iid_ref	Integer	Int	yes						no	
5	Object Last Updated	objwIupdated	object_when_last_updated	Date/Time	Datetime	no						no	
6	Object Last Updated By	objuserIIDref	object_user_iid_ref	Integer	Int	no						no	
7	Record When Last Updated	recwIupdated	record_when_last_updated	Date/Time	Datetime	no						no	
8	Record Last Updated By	recuserIIDref	record_user_iid_ref	Integer	Int	no						no	
9	Rec ID	customchoicelistsetiid	custom_choice_list_set_iid	Integer	Int	yes						no	

A record in this table corresponds to a set of zero or more customized domains and zero or more customized lookups. A customized domain is a domain where only a subset of the choices in that domain are displayed in the choice list. In this context, a domain corresponds to one of the static domains in table MetadataDomainMaster. A customized lookup is a lookup where the choices come from some NASIS table collection, and only a subset of the records in that NASIS table collection are displayed in the choice list.

NASIS 7.4.2 Tables and Columns

Table Physical Name: customchoicelookup

Table Label: Custom Choice Lookup

Table Logical Name: custom_choice_lookup

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Custom Choice List Set	customchoicelistsetiidref	custom_choice_list_set_iid_ref	Integer	Int	yes						no	
2	Table ID	tableid	table_id	Integer	Int	yes						no	
3	Unselected Lookup Choices	unselectedlookupchoices	unselected_lookup_choices	Narrative Text	Varchar(max)	yes						no	
4	Rec ID	customchoicelookupiid	custom_choice_lookup_iid	Integer	Int	yes						no	

A record in this table corresponds to a customized lookup. A customized lookup is a lookup where the choices come from some NASIS table collection, and only a subset of the records in that NASIS table collection are displayed in the choice list.

NASIS 7.4.2 Tables and Columns

Table Physical Name: datamapunit

Table Label: Data Mapunit

Table Logical Name: data_mapunit

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	DMU Description	dmudesc	data_mapunit_description	String	Varchar	no	252					yes	
2	HEL (obsolete)	muhelcl	mapunit_hel_class	Choice	Smallint	no						no	mapunit_hel_class
3	HEL Water (obsolete)	muwathelcl	mapunit_hel_class_water	Choice	Smallint	no						no	mapunit_hel_class
4	HEL Wind (obsolete)	muwndhelcl	mapunit_hel_class_wind	Choice	Smallint	no						no	mapunit_hel_class
5	Interpretive Focus	dmuinterpfocus	dmu_interpretive_focus	String	Varchar	no	30					yes	
6	Investigation Intensity	dmuinvintens	dmu_investigation_intensity	Choice	Smallint	no						yes	dmu_investigation_intensity
7	Crop Productivity Index	cropprodindex	crop_productivity_index	Integer	Smallint	no			0	100		yes	
8	CT Septic Potential	ctsepticpot	ct_septic_potential	Choice	Smallint	no						yes	ct_septic_potential
9	IA CSR	iacornsr	ia_corn_suitability_rating	Integer	Smallint	no			5	100		yes	
10	NH Forest Soil Grp	nhiforsoigrp	nh_important_forest_soil_group	Choice	Smallint	no						yes	nh_important_forest_soil_group
11	NH SPI Agr	nhspiagr	nh_spi_for_agriculture	Float	Float	no		1	0	100		yes	
12	NJ Farmland Assessment	njfmlassessment	nj_farmland_assessment	Choice	Smallint	no						yes	nj_farmland_assessment
13	VT Septic System	vtsepticyscl	vt_septic_system_class	Choice	Smallint	no						yes	vt_septic_system_class_2007
14	DMU NASIS Site	dmudbiidref	dmu_database_iid_ref	Integer	Int	yes						yes	
15	NASIS Group	grpIIDref	group_iid_ref	Integer	Int	yes						yes	
16	Object Last Updated	objwIupdated	object_when_last_updated	Date/Time	Datetime	no						yes	
17	Object Last Updated By	objuseriidref	object_user_iid_ref	Integer	Int	no						yes	
18	Record When Last Updated	recwIupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
19	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
20	Rec ID	dmuiid	data_mapunit_iid	Integer	Int	yes						yes	

The Data Mapunit table lists data mapunits and the owner of each data mapunit. The data mapunit object includes the relative extent, physical and chemical properties, interpretations, and other features for each component in the map unit. Data mapunits are linked to mapunit symbols and names through the Correlation table.

NASIS 7.4.2 Tables and Columns

Table Physical Name: daubenmirecancovclasssumm

Table Label: Daubenmire Canopy Cover Class Summary

Table Logical Name: daubenmire_can_cov_class_summ

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	vegtransplantsummiidref	veg_trans_plant_summ_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Daubenmire Canopy Cover Class	daubcancovclass	daubenmire_canopy_cover_class	Choice	Smallint	yes						yes	daubenmire_canopy_cover_class
4	Class Midpoint Pct	cancovclassmidpoint	canopy_cov_class_midpoint_pct	Float	Real	no	1	0.1	99.9	percent		yes	
5	Nmbr of Quadrat Hits	cancovclasscount	canopy_cov_class_count	Integer	Int	no			0			yes	
6	Canopy Cover Product	cancovproduct	canopy_cover_product	Float	Real	no	1	0				yes	
7	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
8	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
9	Rec ID	daubcancovclssumm_iid	daub_can_cov_cl_summ_iid	Integer	Int	yes						yes	

This table contains data pertaining to canopy cover of individual species collected using the Daubenmire protocol.

NASIS 7.4.2 Tables and Columns

Table Physical Name: daubenmirecancovquaddetail

Table Label: Daubenmire Canopy Cover Quad Details

Table Logical Name: daubenmire_can_cov_quad_detail

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	daubcancovclsummiidref	daub_can_cov_cl_summ_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Quadrat Nmbr	quadratnumber	quadrat_number	Integer	Int	yes			1	999		yes	
4	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
5	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
6	Rec ID	daubcancovquaddetailiid	daub_can_cov_quad_detail_iid	Integer	Int	yes						yes	

This table contains data pertaining to canopy cover of individual plant species collected from individual quadrats using the Daubenmire protocol.

NASIS 7.4.2 Tables and Columns

Table Physical Name: densityquadratdetails

Table Label: Density Quadrat Details

Table Logical Name: density_quadrat_details

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	vegtransplantsummiidref	veg_trans_plant_summ_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Quadrat Nmbr	quadratnumber	quadrat_number	Integer	Int	yes			1	999		yes	
4	Transect Point Location	transectpointlocation	transect_point_location	Float	Real	no		1	0	1000	feet	yes	
5	Nmbr of Mature Plants	maturecount	mature_count	Integer	Int	no			1			yes	
6	Nmbr of Seedling Plants	seedlingcount	seedling_count	Integer	Int	no			1			yes	
7	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
8	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
9	Rec ID	densityquaddetailsiid	density_quadrat_details_iid	Integer	Int	yes						yes	

This table contains data collected along a transect regarding plant density.

NASIS 7.4.2 Tables and Columns

Table Physical Name: distcompmd

Table Label: Distribution Component Metadata

Table Logical Name: distribution_comp_metadata

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	dismumdiidref	dist_mapunit_md_iid_ref	Integer	Int	yes						no	
2	Data Mapunit Rec ID	dmuiidref	data_mapunit_iid_ref	Integer	Int	yes						yes	
3	Component Rec ID	coiidref	component_iid_ref	Integer	Int	yes						yes	
4	Component Name	compname	component_name	String	Varchar	no	60					yes	
5	Local Phase	localphase	local_phase	String	Varchar	no	40					yes	
6	Comp Pct	comppct	component_percent	Integer	Smallint	no			0	100	percent	yes	
7	Component Taxon Kind	compkind	component_kind	Choice	Smallint	no						yes	component_kind
8	Major Component	majcompflag	major_component_flag	Boolean	Bit	yes						yes	
9	Rec ID	distcompmdiid	dist_comp_md_iid	Integer	Int	yes						yes	
10	SIR phase - obsolete	otherph	class_determining_phase	String	Varchar	no	40					yes	

The Distribution Component Metadata table records information about the map unit components selected for inclusion in a set of distributed data. A set of distribution data may include only selected map units from a legend or legends, and only selected components of those map units. The record of the criteria used for selecting map units and components may be found in the Distribution Metadata table.

NASIS 7.4.2 Tables and Columns

Table Physical Name: distinterpmd

Table Label: Distribution Interp Metadata

Table Logical Name: distribution_interp_metadata

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	distmdiidref	dist_md_iid_ref	Integer	Int	yes						no	
2	Rule Rec ID	ruleiidref	rule_iid_ref	Integer	Int	yes						yes	
3	Rule Name	rulename	rule_name	String	Varchar	no	60					yes	
4	Description	ruledesc	rule_description	Narrative Text	Varchar(max)	no						yes	
5	Ready to use	dataafuse	data_approved_for_use	Boolean	Bit	yes						yes	
6	Most Recent Rule Component When Last Updated	mrecentrulewlu	most_recent_rule_comp_wlu	Date/Time	Datetime	no						yes	
7	Rec ID	distinterpmdiid	dist_interp_md_iid	Integer	Int	yes						yes	

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

NASIS 7.4.2 Tables and Columns

Table Physical Name: distlegendmd

Table Label: Distribution Legend Metadata

Table Logical Name: distribution_legend_metadata

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	distmdiidref	dist_md_iid_ref	Integer	Int	yes						no	
2	Legend Rec ID	liidref	legend_iid_ref	Integer	Int	yes						yes	
3	Area Type Name	areatypename	area_type_name	String	Varchar	no	45					yes	
4	Area Symbol	areasympol	area_symbol	String	Varchar	no	20					yes	
5	Area Name	areaname	area_name	String	Varchar	no	135					yes	
6	Legend Description	legenddesc	legend_description	String	Varchar	no	60					yes	
7	Survey Status	ssastatus	soil_survey_area_status	Choice	Smallint	no						yes	soil_survey_area_status
8	Correlation Date	cordate	correlation_date	Date/Time	Datetime	no						yes	
9	Legend Certification Status	legendcertstat	legend_certification_status	Choice	Smallint	no						yes	legend_certification_status
10	Geographic Applicability	legendsuituse	legend_suitability_for_use	Choice	Smallint	no						yes	legend_suitability_for_use
11	Export Certification Status	exportcertstatus	export_certification_status	Choice	Smallint	no						yes	export_certification_status
12	Export Certification Date	exportcertdate	export_certification_date	Date/Time	Datetime	no						yes	
13	Export Metadata	exportmetadata	export_metadata	Narrative Text	Varchar(max)	no						yes	
14	Legend Last Updated	legendwupdated	legend_when_last_updated	Date/Time	Datetime	no						yes	
15	Most Recent Data Mapunit When Last Updated	mostrecentdmuwlu	most_recent_dmu_wlu	Date/Time	Datetime	no						yes	
16	Legend Total Mapunits	legendtotalmus	legend_total_mapunits	Integer	Int	no						yes	
17	Total Exported Mapunits	totalexportmus	total_exported_mapunits	Integer	Int	no						yes	
18	Legend Total Additional Mapunits	legendtotalamus	legend_total_addtnl_mapunits	Integer	Int	no						yes	
19	Total Exported Additional Mapunits	totalexportamus	total_exported_addtnl_mapunits	Integer	Int	no						yes	
20	Total Exported Data Mapunits	totalexportdmus	total_exported_data_mapunits	Integer	Int	no						yes	
21	Rec ID	distlegendmdiid	dist_legend_md_iid	Integer	Int	yes						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.

NASIS 7.4.2 Tables and Columns

Table Physical Name: distmapunitmd

Table Label: Distribution Mapunit Metadata

Table Logical Name: distribution_mapunit_metadata

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	distlegendmdiidref	dist_legend_md_iid_ref	Integer	Int	yes						no	
2	Legend Rec ID	liidref	legend_iid_ref	Integer	Int	yes						yes	
3	Mapunit Rec ID	muiidref	mapunit_iid_ref	Integer	Int	yes						yes	
4	Mapunit Symbol	musym	mapunit_symbol	String	Varchar	no	6					yes	
5	Status	mustatus	mapunit_status	Choice	Smallint	no						yes	mapunit_status
6	Mapunit Name	muname	mapunit_name	String	Varchar	no	240					yes	
7	Correlated To Mapunit Rec ID	corrtoemuiidref	corr_to_mapunit_iid_ref	Integer	Int	no						yes	
8	Correlated To Mapunit Symbol	corrto musym	corr_to_mapunit_symbol	String	Varchar	no	6					yes	
9	Correlated To Status	corrto mustatus	corr_to_mapunit_status	Choice	Smallint	no						yes	mapunit_status
10	Correlated To Mapunit Name	corrto muname	corr_to_mapunit_name	String	Varchar	no	175					yes	
11	Data Mapunit Rec ID	dmuiidref	data_mapunit_iid_ref	Integer	Int	no						yes	
12	DMU Description	dmudesc	data_mapunit_description	String	Varchar	no	252					yes	
13	DMU Certification Status	dmucertstat	dmu_certification_status	Choice	Smallint	no						yes	dmu_certification_status
14	Data Mapunit Last Updated	dmuwlupdated	dmu_when_last_updated	Date/Time	Datetime	no						yes	
15	No Representative Data Mapunit Reason	norepdmureason	no_rep_dmu_reason	String	Varchar	no	254					yes	
16	Rec ID	distmumdiid	dist_mapunit_md_iid	Integer	Int	yes						yes	

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

NASIS 7.4.2 Tables and Columns

Table Physical Name: distmd

Table Label: Distribution Metadata

Table Logical Name: distribution_metadata

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Distribution Request Date	distreqdate	distribution_request_date	Date/Time	Datetime	yes						yes	
2	NASIS User Name	username	user_name	String	Varchar	yes	30					yes	
3	Email Address	useremailaddr	user_e_mail_address	String	Varchar	yes	60					yes	
4	Export Target	exporttarget	export_target	Choice	Smallint	no						yes	export_target
5	Distribution Generation Date	distgendate	distribution_generation_date	Date/Time	Datetime	no						yes	
6	Distribution Status	diststatus	distribution_status	Choice	Smallint	yes						yes	distribution_status
7	Interpretation Maximum Reasons	interpmaxreasons	interp_max_reasons	Integer	Smallint	no			0			yes	
8	Mapunit Selection Criteria	muselectcrit	mapunit_selection_criteria	Choice	Smallint	no						yes	mapunit_selection_criteria
9	Mapunit Status Provisional Boolean	mustatprovsnlbool	mapunit_status_provsnl_boolean	Boolean	Bit	yes						yes	
10	Mapunit Status Approved Boolean	mustatapprvdbool	mapunit_status_apprvd_boolean	Boolean	Bit	yes						yes	
11	Mapunit Status Correlated Boolean	mustatcorrbool	mapunit_status_corr_boolean	Boolean	Bit	yes						yes	
12	Mapunit Status Additional Boolean	mustataddtnlbool	mapunit_status_addtnl_boolean	Boolean	Bit	yes						yes	
13	Additional Mapunit Data Mapunit Selection Criteria	addtnlmudmuselectcrit	addtnl_mu_dmu_select_criteria	Choice	Smallint	no						yes	addtnl_mu_dmu_select_criteria
14	Component Selection Criteria	comselectcrit	component_selection_criteria	Choice	Smallint	no						yes	component_selection_criteria
15	Minimum Percent Composition	minpctcomp	minimum_percent_comp	Integer	Smallint	no			0	100		yes	
16	Data Mapunit Selection Criteria	dmuselectcrit	dmu_selection_criteria	Choice	Smallint	no						yes	data_mapunit_selection_criteria
17	DMU Cert Stat - Not For Distribution Boolean	dmudcsnfdbool	dmu_dcs_notfordist_boolean	Boolean	Bit	yes						yes	
18	DMU Cert Stat - Not Certified Boolean	dmudcsncbool	dmu_dcs_notcert_boolean	Boolean	Bit	yes						yes	
19	DMU Cert Stat - Partly Certified Boolean	dmudcspcbool	dmu_dcs_partcert_boolean	Boolean	Bit	yes						yes	
20	DMU Cert Stat - Partly Certified Min Data Boolean	dmudcspcmdbool	dmu_dcs_partcert_minda_boolean	Boolean	Bit	yes						yes	
21	DMU Cert Stat - Partly Certified Major Comps Boolean	dmudcspcmcbbool	dmu_dcs_partcert_majco_boolean	Boolean	Bit	yes						yes	
22	DMU Cert Stat - Partly Certified All Comps Boolean	dmudcspcacbool	dmu_dcs_partcert_allco_boolean	Boolean	Bit	yes						yes	
23	DMU Cert Stat - Certified Boolean	dmudcscbool	dmu_dcs_cert_boolean	Boolean	Bit	yes						yes	
24	DMU Cert Stat - Certified Min Data Boolean	dmudcscmdbool	dmu_dcs_cert_minda_boolean	Boolean	Bit	yes						yes	
25	DMU Cert Stat - Certified Major Comps Boolean	dmudcscmcbool	dmu_dcs_cert_majco_boolean	Boolean	Bit	yes						yes	
26	DMU Cert Stat - Certified All Comps Boolean	dmudcscacbool	dmu_dcs_cert_allco_boolean	Boolean	Bit	yes						yes	
27	Distribution NASIS Site	distdbiidref	dist_database_iid_ref	Integer	Int	yes						yes	
28	NASIS Group	griidref	group_iid_ref	Integer	Int	yes						yes	
29	Object Last Updated	objwupdated	object_when_last_updated	Date/Time	Datetime	no						yes	
30	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
31	Rec ID	distmdiid	dist_md_iid	Integer	Int	yes						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.

NASIS 7.4.2 Tables and Columns

Table Physical Name: disttextmd

Table Label: Distribution Text Metadata

Table Logical Name: distribution_text_metadata

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	distmdiidref	dist_md_iid_ref	Integer	Int	yes						no	
2	Table Label	tablab	table_label	String	Varchar	yes	80					yes	
3	Text Kind String	textkindstring	text_kind_string	String	Varchar	yes	128					yes	
4	Rec ID	disttextmdiid	dist_text_md_iid	Integer	Int	yes						yes	

The Distribution Text Metadata table records which kinds of text entries were included in a distribution.

NASIS 7.4.2 Tables and Columns

Table Physical Name: dmucerthistory

Table Label: Data Mapunit Certification History

Table Logical Name: data_mapunit_cert_history

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	dmuiidref	data_mapunit_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Reviewer	revieweruseridref	reviewer_user_iid_ref	Integer	Int	no						yes	
4	Cert Date	certificationdate	certification_date	Date/Time	Datetime	yes						yes	
5	Cert Kind	certificationkind	certification_kind	Choice	Smallint	yes						yes	certification_kind
6	DMU Certification Status	dmucertstat	dmu_certification_status	Choice	Smallint	yes						yes	dmu_certification_status
7	Cert Text	certificationtext	certification_text	Narrative Text	Varchar(max)	no						yes	
8	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
9	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
10	Rec ID	dmucerthistoryiid	dmu_cert_history_iid	Integer	Int	yes						yes	

This table records information about the review and certification of the data in the Data mapunit object. As new records are created the previous records are retained in order to maintain a certification history.

NASIS 7.4.2 Tables and Columns

Table Physical Name: dmucropyld

Table Label: Data Mapunit Crop Yield

Table Logical Name: data_mapunit_crop_yield

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	dmuiidref	data_mapunit_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Crop Name	cropname	crop_name	Choice	Smallint	no						yes	crop_name
4	Units	yldunits	crop_yield_units	Choice	Smallint	no						yes	crop_yield_units
5	Nirr Yield	nonirryield	nonirr_crop_yield	Float	Real	no		2	0	9999.99		yes	
6	Irr Yield	irryield	irrigated_crop_yield	Float	Real	no		2	0	9999.99		yes	
7	Crop Productivity Index	cropprodindex	crop_productivity_index	Integer	Smallint	no			0	100		yes	
8	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
9	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
10	Rec ID	dmucrpylid	dmu_crop_yield_iid	Integer	Int	yes						yes	

The Data Mapunit Crop Yield table lists commonly grown crops and their expected yields for this data mapunit.

NASIS 7.4.2 Tables and Columns

Table Physical Name: dmurefecmdoc

Table Label: Data Mapunit Reference ECM Documents

Table Logical Name: data_mapunit_ref_ecm_doc

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	dmuiidref	data_mapunit_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	ECM Document Type	ecmdoctype	ecm_document_type	Choice	Smallint	no						no	document_kind
4	ECM Document Name	ecmdocname	ecm_document_name	String	Varchar	no	255					no	
5	ECM Document URL	ecmdockeyurl	ecm_document_key_url	Hyperlink	Varchar	no	138					no	
6	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
7	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						no	
8	Rec ID	dmurefecmdociid	dmu_ref_ecm_doc_iid	Integer	Int	yes						no	

This table contains hyperlink(s) to document(s) stored in the Enterprise Content Management (ECM) system that are additional documentation of the data mapunit. A separate row is entered for each document stored in the ECM. The kinds of documents that can be stored are: Audio, images, diagrams, PDF, powerpoint presentations, spreadsheets, text (plain text or other word processing program), and video.

NASIS 7.4.2 Tables and Columns

Table Physical Name: dmutext

Table Label: Data Mapunit Text

Table Logical Name: data_mapunit_text

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	dmuiidref	data_mapunit_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Date	recdate	record_date	Date/Time	Datetime	no						yes	
4	Author	recauthor	record_author	String	Varchar	no	25					yes	
5	Kind	dmutextkind	data_mapunit_text_kind	Choice	Smallint	no						yes	data_mapunit_text_kind
6	Category	textcat	text_category	String	Varchar	no	20					yes	
7	Subcategory	textsubcat	text_subcategory	String	Varchar	no	20					yes	
8	Text Entry	textentry	text_entry	Narrative Text	Varchar(max)	no						yes	
9	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
10	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
11	Rec ID	dmutextiid	dmu_text_iid	Integer	Int	yes						yes	

The Data Mapunit Text table contains notes and narrative descriptions for this data mapunit. Data mapunit text is optional. In many cases, this table is empty.

NASIS 7.4.2 Tables and Columns

Table Physical Name: domaindetail

Table Label: Domain Detail

Table Logical Name: domain_detail

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	domiidref	domain_iid_ref	Integer	Int	yes						no	
2	Sequence	choseq	choice_sequence	Integer	Smallint	yes						yes	
3	ID	choid	choice_id	Integer	Int	yes						yes	
4	Data Entry Text	chodetxt	choice_data_entry_text	String	Varchar	yes	128					yes	
5	Label Text	cholabtxt	choice_label_text	String	Varchar	yes	248					yes	
6	Alternate Entry Text	choaltetxt	choice_alternate_entry_text	String	Varchar	no	128					yes	
7	Description	chodesc	choice_description	Narrative Text	Varchar(max)	no						yes	
8	Obsolete?	choobbool	choice_obsolete_boolean	Boolean	Bit	yes						yes	
9	Pending Action	pendact	pending_action	Choice	Smallint	no						yes	pending_action
10	Pending Status	pendstat	pending_status	Choice	Smallint	no						yes	pending_status
11	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
12	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
13	Rec ID	domdetiid	domain_detail_iid	Integer	Int	yes						yes	

This table records the individual members of the domains associated with a particular database. A domain is a finite set of ASCII strings, only one of which at any one time may be assigned as the value of an attribute whose values are restricted to that domain. Other terms used for domain members are choices or codes.

NASIS 7.4.2 Tables and Columns

Table Physical Name: domaingroup

Table Label: Domain Group

Table Logical Name: domain_group

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Domain Group Name	domgrpname	domain_group_name	String	Varchar	yes	30					yes	
2	Domain Group Description	domgrpdesc	domain_group_description	Narrative Text	Varchar(max)	no						yes	
3	Domain Group NASIS Site	domgrpdbiidref	domain_group_database_iid_ref	Integer	Int	yes						yes	
4	NASIS Group	grpriidref	group_iid_ref	Integer	Int	yes						yes	
5	Object Last Updated	objwupdated	object_when_last_updated	Date/Time	Datetime	no						yes	
6	Object Last Updated By	objuseriidref	object_user_iid_ref	Integer	Int	no						yes	
7	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
8	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
9	Rec ID	domgrpiid	domain_group_iid	Integer	Int	yes						yes	

A record in this table represent a group of domains that may be shared by more than one application or information system. For example, a domain group named "NASIS" would include domains used by NASIS, SSURGO and Windows Pedon, since all three of these information systems have domains in common.

NASIS 7.4.2 Tables and Columns

Table Physical Name: domainhist

Table Label: Domain History

Table Logical Name: domain_history

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	domiidref	domain_iid_ref	Integer	Int	yes						no	
2	Date	notedate	note_date	Date/Time	Datetime	no						yes	
3	Notes	notes	notes	Narrative Text	Varchar(max)	no						yes	
4	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
5	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
6	Rec ID	domnoteiid	domain_note_iid	Integer	Int	yes						yes	

This table records notes about issues with and changes to a particular domain.

NASIS 7.4.2 Tables and Columns

Table Physical Name: domainmaster

Table Label: Domain

Table Logical Name: domain_master

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	domgrpiidref	domain_group_iid_ref	Integer	Int	yes						no	
2	Domain Name	domnm	domain_name	String	Varchar	yes	60					yes	
3	Ordering	domording	domain_ordering	Choice	Smallint	yes						yes	domain_ordering
4	Ordered	domordbool	domain_ordered_boolean	Boolean	Bit	yes						yes	
5	Display Label	domdlabbool	domain_display_label_boolean	Boolean	Bit	yes						yes	
6	Customizable	domcustbool	domain_customizable_boolean	Boolean	Bit	yes						yes	
7	Description	domdesc	domain_description	Narrative Text	Varchar(max)	no						yes	
8	Domain ID	domainid	domain_id	Integer	Int	no						yes	
9	Pending Action	pendact	pending_action	Choice	Smallint	no						yes	pending_action
10	Pending Status	pendstat	pending_status	Choice	Smallint	no						yes	pending_status
11	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
12	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
13	Rec ID	domiid	domain_iid	Integer	Int	yes						yes	

This table records information about domains that may be associated with one or more attributes. The information in this table pertains to the domain as a whole, not to an individual member of that domain. A domain is a finite set of ASCII strings, only one of which at any one time may be assigned as the value an attribute whose values are restricted to that domain. Other terms used for domains are choice lists and code sets.

NASIS 7.4.2 Tables and Columns

Table Physical Name: domdethist

Table Label: Domain Detail History

Table Logical Name: domain_detail_history

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	domdetidref	domain_detail_iid_ref	Integer	Int	yes						no	
2	Date	notedate	note_date	Date/Time	Datetime	no						yes	
3	Notes	notes	notes	Narrative Text	Varchar(max)	no						yes	
4	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
5	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
6	Rec ID	domdetnoteiid	domain_detail_note_iid	Integer	Int	yes						yes	

This table records notes about issues with and changes to a particular domain choice.

NASIS 7.4.2 Tables and Columns

Table Physical Name: dwrquadratdetails

Table Label: Dry Weight Rank Quadrat Details

Table Logical Name: dwr_quadrat_details

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	vegtransplantsummiidref	veg_trans_plant_summ_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Quadrat Nmbr	quadratnumber	quadrat_number	Integer	Int	yes			1	999		yes	
4	Transect Point Location	transectpointlocation	transect_point_location	Float	Real	no		1	0	1000	feet	yes	
5	DWR 1	dwrone	dwr_one	Boolean	Bit	yes						yes	
6	DWR 2	dwrtwo	dwr_two	Boolean	Bit	yes						yes	
7	DWR 3	dwrthree	dwr_three	Boolean	Bit	yes						yes	
8	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
9	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
10	Rec ID	dwrquaddetailsiid	dwr_quadrat_details_iid	Integer	Int	yes						yes	

This table contains data from individual quadrats along a transect collected using the Dry Weight Rank (DWR) protocol as part of a vegetation inventory.

NASIS 7.4.2 Tables and Columns

Table Physical Name: ecologicalsite

Table Label: Ecological Site

Table Logical Name: ecological_site

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Ecological Site ID	ecositeid	ecological_site_id	String	Char	yes	11					yes	
2	Ecological Site Name	ecositenm	ecological_site_name	String	Varchar	no	302					yes	
3	Ecological Site Status	ecositestatus	ecological_site_status	String	Varchar	no	100					yes	
4	Published in EDIT?	ecositepublished	ecological_site_published	String	Varchar	no	50					yes	
5	Ecological Site Type	ecositetype	ecological_site_type	Choice	Smallint	yes						yes	ecological_site_type
6	Ecological Site MLRA	ecositemlra	ecological_site_mlra	Choice	Smallint	yes						yes	ecological_site_mlra
7	Ecological Site LRU	ecositelru	ecological_site_lru	Choice	Smallint	yes						yes	ecological_site_lru
8	Ecological Site Number	ecositenumber	ecological_site_number	Integer	Smallint	yes			0	999		yes	
9	Ecological Site State	ecositestate	ecological_site_state	Choice	Smallint	yes						yes	state_alpha_fips_code
10	Ecological Site Primary Name	ecositepnm	ecological_site_primary_name	String	Varchar	no	100					yes	
11	Ecological Site Secondary Name	ecositesnm	ecological_site_secondary_name	String	Varchar	no	100					yes	
12	Ecological Site Tertiary Name	ecositetnm	ecological_site_tertiary_name	String	Varchar	no	100					yes	
13	Ecological Site ID New	ecositeidnew	ecological_site_id_new	String	Varchar	no	12					yes	
14	Ecological Site LRR New	ecositelrrnew	ecological_site_lrr_new	Choice	Smallint	no						yes	ecological_site_lrr
15	Ecological Site MLRA New	ecositemlranew	ecological_site_mlra_new	Choice	Smallint	no						yes	ecological_site_mlra
16	Ecological Site LRU New	ecositelrunew	ecological_site_lru_new	Choice	Smallint	no						yes	ecological_site_lru
17	Ecological Site Number New	ecositenumbernew	ecological_site_number_new	Integer	Smallint	no			0	999		yes	
18	EDIT Rec ID	ecositenasisiid	ecological_site_nasis_iid	Integer	Int	no						yes	
19	Obsolete?	obterm	obsolete_term	Boolean	Bit	yes						yes	
20	Ecological Site NASIS Site	ecositedbiidref	ecological_site_db_iid_ref	Integer	Int	yes						yes	
21	NASIS Group	grpriidref	group_iid_ref	Integer	Int	yes						yes	
22	Object Last Updated	objwlupdated	object_when_last_updated	Date/Time	Datetime	no						yes	
23	Object Last Updated By	objuseriidref	object_user_iid_ref	Integer	Int	no						yes	
24	Record When Last Updated	recwlupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
25	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
26	Rec ID	ecositeiid	ecological_site_iid	Integer	Int	yes						yes	

The Ecological Site table records the official list of range and forest ecological sites maintained by NRCS and described in the Ecosystem Dynamics Interpretive Tool (EDIT). This table records only the identifier and name of an ecological site. The complete ecological site characterization resides in the EDIT database. The official list of ecological sites is maintained in EDIT.

NASIS 7.4.2 Tables and Columns

Table Physical Name: editsetup

Table Label: Edit Setup

Table Logical Name: edit_setup

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Table Layout Name	edtsuname	edit_setup_name	String	Varchar	yes	60					no	
2	Description	edtsudesc	edit_setup_description	Narrative Text	Varchar(max)	no						no	
3	Table Layout NASIS Site	edtsudbiidref	edit_setup_database_iid_ref	Integer	Int	yes						no	
4	NASIS Group	grpriidref	group_iid_ref	Integer	Int	yes						no	
5	Object Last Updated	objwupdated	object_when_last_updated	Date/Time	Datetime	no						no	
6	Object Last Updated By	objuseriidref	object_user_iid_ref	Integer	Int	no						no	
7	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
8	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						no	
9	Rec ID	edtsuiid	edit_setup_iid	Integer	Int	yes						no	

The edit setup table contains edit setup specifications and the owner of each edit setup specification. An edit setup specifies what columns are visible in the NASIS editor, the order in which those columns are displayed and how the rows in a table should be sorted. Users may create new edit setups at any time. Although edit setups are created and edited in this table, a particular edit setup is selected and applied through the Options Menu.

NASIS 7.4.2 Tables and Columns

Table Physical Name: editsetupelement

Table Label: Edit Setup Element

Table Logical Name: edit_setup_element

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Edit Setup Table	edtsutabiidref	edit_setup_table_iid_ref	Integer	Int	yes						no	
2	Element Internal ID	elm_iid	element_iid	Integer	Int	yes			1			no	
3	Native Element Internal ID	natelm_iid	native_element_iid	Integer	Int	no						no	
4	Band Position	bandposition	band_position	Integer	Int	yes			0			no	
5	Element Position	elmposition	element_position	Integer	Smallint	yes						no	
6	Element Width	elmwidth	element_width	Integer	Smallint	yes						no	
7	Element Sort Sequence	elmsortseq	element_sort_sequence	Integer	Smallint	yes						no	
8	Element Sort Direction	elmsortdir	element_sort_direction	String	Char	yes	1					no	
9	Rec ID	edtsuelmiid	edit_setup_element_iid	Integer	Int	yes						no	

This table records edit setup information that pertains to a particular column, such as "is it visible" and what is its width. This table is not visible in the NASIS editor. Its contents are managed though the edit setup editor.

NASIS 7.4.2 Tables and Columns

Table Physical Name: editsetuptable

Table Label: Edit Setup Table

Table Logical Name: edit_setup_table

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Edit Setup	edtsuiidref	edit_setup_iid_ref	Integer	Int	yes						no	
2	Table Internal ID	tbl_iid	table_iid	Integer	Int	yes			1			no	
3	Number of Frozen Columns	tabnumfrozcpls	table_number_frozen_column	Integer	Smallint	yes						no	
4	Number of Sort Columns	tabnumsortcpls	table_number_sort_columns	Integer	Smallint	yes						no	
5	Rec ID	edtsutabiid	edit_setup_table_iid	Integer	Int	yes						no	

This table records summary edit setup information that pertains to the table as a whole, such as total number of visible columns. This table is not visible in the NASIS editor. Its contents are managed through the edit setup editor.

NASIS 7.4.2 Tables and Columns

Table Physical Name: evaluation

Table Label: Evaluation

Table Logical Name: evaluation

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
2	Evaluation Name	evalname	evaluation_name	String	Varchar	yes	60					yes	
3	Description	evaldesc	evaluation_description	Narrative Text	Varchar(max)	no						yes	
4	Evaluation	eval	evaluation	Evaluation	Varchar(max)	yes						yes	
5	Evaluation Type	evaluationtype	evaluation_type	Choice	Smallint	yes						yes	evaluation_type
6	Use Property Domain	usepropertydomain	use_property_domain	Boolean	Bit	yes						yes	
7	Invert Evaluation Results	invertevaluationresults	invert_evaluation_results	Boolean	Bit	yes						yes	
8	Property	propiidref	property_iid_ref	Integer	Int	yes						yes	
9	Ready to use	dataafuse	data_approved_for_use	Boolean	Bit	yes						yes	
10	Evaluation NASIS Site	evaldbiidref	evaluation_database_iid_ref	Integer	Int	yes						yes	
11	NASIS Group	grpriidref	group_iid_ref	Integer	Int	yes						yes	
12	Object Last Updated	objwupdated	object_when_last_updated	Date/Time	Datetime	no						yes	
13	Object Last Updated By	objuseridref	object_user_iid_ref	Integer	Int	no						yes	
14	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
15	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
16	Rec ID	evaliid	evaluation_iid	Integer	Int	yes						yes	

The Evaluation table lists the evaluations and the owner of each evaluation. Evaluations are part of the criteria used in making interpretations of soil survey data. Evaluations "evaluate", or give a approximate reasoning value from 0 to 1 to a soil property for use in rules.

NASIS 7.4.2 Tables and Columns

Table Physical Name: evaluationtext

Table Label: Evaluation Text

Table Logical Name: evaluation_text

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	evaliidref	evaluation_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no				1		yes	
3	Date	recdate	record_date	Date/Time	Datetime	no						yes	
4	Author	recauthor	record_author	String	Varchar	no	25					yes	
5	Kind	textkind	text_kind	Choice	Smallint	no						yes	text_kind_general
6	Category	textcat	text_category	String	Varchar	no	20					yes	
7	Subcategory	textsubcat	text_subcategory	String	Varchar	no	20					yes	
8	Text Entry	textentry	text_entry	Narrative Text	Varchar(max)	no						yes	
9	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
10	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
11	Rec ID	evaltextiid	evaluation_text_iid	Integer	Int	yes						yes	

The Evaluation Text table contains notes and narrative descriptions for each evaluation script. Text included may be related to edits or changes made to the script. Evaluation text is optional. In many cases, this table is empty.

NASIS 7.4.2 Tables and Columns

Table Physical Name: fieldscalepractices

Table Label: Field Scale Practices

Table Logical Name: field_scale_practices

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	croppingpracticesiidref	cropping_practices_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	Field Scale Practice	fieldscalepractice	field_scale_practice	Choice	Smallint	no						no	field_scale_practice
4	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
5	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						no	
6	Rec ID	fieldscalepracticesiid	field_scale_practices_iid	Integer	Int	yes						no	

Select the name of the field scale practice from the Domain = field scale practice.

NASIS 7.4.2 Tables and Columns

Table Physical Name: forestrypractices

Table Label: Forestry Practices

Table Logical Name: forestry_practices

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	soilhealthiidref	soil_health_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	Actively Managed	activelymanaged	actively_managed	Boolean	Bit	yes						no	
4	Managed for Timber Products	managedfortimberproducts	managed_for_timber_products	Boolean	Bit	yes						no	
5	Dominant Vegetation	dominantvegetation	dominant_vegetation	Choice	Smallint	no						no	dominant_vegetation
6	Years Since Harvest	yearssinceharvest	years_since_harvest	Choice	Smallint	no						no	yrs_since_harvest
7	Growth Status	growthstatus	growth_status	Choice	Smallint	no						no	growth_status
8	Silvicultural Method Used	silviculturemethodused	silviculture_method_used	Choice	Smallint	no						no	silviculture_harvest_method
9	Harvest and Skidding Method Used	harvestandskiddingmethused	harvest_and_skidding_meth_used	Choice	Smallint	no						no	harvest_skidding_method
10	Dom Form of Erosion or Deposition	erodepoformdom	ero_depo_form_dom	Choice	Smallint	no						no	dom_ero_depo_form
11	Domestic Animals Graze	domesticanimalsgraze	domestic_animals_graze	Boolean	Bit	yes						no	
12	Fertility Tests Done	fertilitytestsdone	fertility_tests_done	Boolean	Bit	yes						no	
13	How Often are Fertility Tests Done	howoftenfertilitytestdone	how_often_fertility_test_done	Choice	Smallint	no						no	fertility_tests_done
14	Fertilizer Applied	fertilizerapplied	fertilizer_applied	Boolean	Bit	yes						no	
15	Applied N by Test	applyNbytest	apply_N_by_test	Boolean	Bit	yes						no	
16	Apply P2O5 by Test	applyPbytest	apply_P2O5_by_test	Boolean	Bit	yes						no	
17	Apply K2O by Test	applyKbytest	apply_K2O_by_test	Boolean	Bit	yes						no	
18	Nmbr of Times Fertilizer Applied	nmbrtimesfertilizerapplied	nmbr_times_fertilizer_applied	Integer	Smallint	no						no	
19	Nmbr of Years Fertilizer Applied	nmbryearsfertilizerapplied	nmbr_years_fertilizer_applied	Integer	Smallint	no			1		yrs	no	
20	Lbs per Ac per Yr N Applied	lbsperacperyNApplied	lbs_per_ac_yr_N	Integer	Smallint	no			0		lbs/acre/yr	no	
21	Lbs per Ac per Yr K2O Applied	lbsperacpryK2O	lbs_per_ac_yr_K2O	Integer	Smallint	no			0		lbs/acre/yr	no	
22	Lbs per Ac per Yr P2O5 Applied	lbsperacperyP2O5	lbs_per_ac_per_yr_P2O5	Integer	Smallint	no			0		lbs/acre/yr	no	
23	Pesticides Applied	pesticidesapplied	pesticides_applied	Boolean	Bit	yes						no	
24	Nmbr Years Pesticides Applied	nmbryearspesticidesapplied	nmbr_years_pesticides_applied	Integer	Smallint	no			1		yrs	no	
25	Nmbr Times Pesticides Applied	nmbrtimespesticidesapplied	nmbr_times_pesticides_applied	Integer	Smallint	no						no	
26	Used for Emergency Haying or Grazing	usedforemergencyhaygraze	used_for_emergency_hay_graze	Boolean	Bit	yes						no	
27	Burn Type	typeofburn	type_of_burn	Choice	Smallint	no						no	type_of_burn
28	Burn Frequency	burnfrequency	burn_frequency	Choice	Smallint	no						no	burn_frequency
29	Had Prescribed Burn	hadprescribedburn	had_prescribed_burn	Boolean	Bit	yes						no	
30	Burn Intensity	intensityorcharacterofburn	intensity_or_character_of_burn	Choice	Smallint	no						no	burn_intensity
31	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						no	
32	Record When Last Updated	recwlastupdated	record_when_last_updated	Date/Time	Datetime	no						no	
33	Rec ID	forestrypracticesiid	forestry_practices_iid	Integer	Int	yes						no	

Select the metadata information of the forestry practices used on the site.

NASIS 7.4.2 Tables and Columns

Table Physical Name: form

Table Label: Form

Table Logical Name: form

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
2	Form Name	formname	form_name	String	Varchar	yes	60					yes	
3	Description	formdesc	form_description	Narrative Text	Varchar(max)	no						yes	
4	Form	form	form	Query	Varchar(max)	yes						yes	
5	Ready to use	dataafuse	data_approved_for_use	Boolean	Bit	yes						yes	
6	Form NASIS Site	formdbiidref	form_database_iid_ref	Integer	Int	yes						yes	
7	NASIS Group	grpIIDref	group_iid_ref	Integer	Int	yes						yes	
8	Object Last Updated	objwIupdated	object_when_last_updated	Date/Time	Datetime	no						yes	
9	Object Last Updated By	objuseriidref	object_user_iid_ref	Integer	Int	no						yes	
10	Record When Last Updated	recwIupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
11	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
12	Rec ID	formiid	form_iid	Integer	Int	yes						yes	

The form table contains queries and the owner of each form. Queries are used to select data for viewing in NASIS tables. Users may create new queries at any time. Although queries are created and edited in this table, the Select Manager (accessed through the File menu) is used to actually run queries.

NASIS 7.4.2 Tables and Columns

Table Physical Name: formfavorites

Table Label: Form Favorites

Table Logical Name: form_favorites

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	NASIS User	useridref	user_iid_ref	Integer	Int	yes						no	
2	Form	formiidref	form_iid_ref	Integer	Int	yes						no	
3	Rec ID	formfavoriteiid	form_favorite_iid	Integer	Int	yes						no	

A record in this table represents a favorite form for the corresponding NASIS user.

NASIS 7.4.2 Tables and Columns

Table Physical Name: formtext

Table Label: Form Text

Table Logical Name: form_text

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	formiidref	form_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Date	recdate	record_date	Date/Time	Datetime	no						yes	
4	Author	recauthor	record_author	String	Varchar	no	25					yes	
5	Kind	textkind	text_kind	Choice	Smallint	no						yes	text_kind_general
6	Category	textcat	text_category	String	Varchar	no	20					yes	
7	Subcategory	textsubcat	text_subcategory	String	Varchar	no	20					yes	
8	Text Entry	textentry	text_entry	Narrative Text	Varchar(max)	no						yes	
9	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
10	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
11	Rec ID	formtextiid	form_text_iid	Integer	Int	yes						yes	

The form Text table contains notes and narrative descriptions for each form script. Text included may be related to edits or changes made to the script. form text is optional. In many cases, this table is empty.

NASIS 7.4.2 Tables and Columns

Table Physical Name: frequencyquadratdetails

Table Label: Frequency Quadrat Details

Table Logical Name: frequency_quadrat_details

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	vegtransplantsummiidref	veg_trans_plant_summ_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Quadrat Nmbr	quadratnumber	quadrat_number	Integer	Int	yes			1	999		yes	
4	Transect Point Location	transectpointlocation	transect_point_location	Float	Real	no		1	0	1000	feet	yes	
5	Species Present	speciespresentindicator	species_present_indicator	Boolean	Bit	yes						yes	
6	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
7	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
8	Rec ID	freqquaddetailsiid	freq_quadrat_details_iid	Integer	Int	yes						yes	

This table contains data from individual quadrats along a transect collected using the Frequency protocol as part of a vegetation inventory.

NASIS 7.4.2 Tables and Columns

Table Physical Name: geomorfeat

Table Label: Geomorphic Feature

Table Logical Name: geomorph_feature

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	geomftiidref	geomorph_feat_type_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Feature Name singular	geomfname	geomorph_feat_name	String	Varchar	yes	50					yes	
4	Feature Name plural	geomfnamep	geomorph_feat_name_plural	String	Varchar	no	50					yes	
5	Feature Name Spanish singular	geomfnameps	geomorph_feat_name_sp	String	Varchar	no	50					yes	
6	Feature Name Spanish plural	geomfnamepsp	geomorph_feat_name_plural_sp	String	Varchar	no	50					yes	
7	Description	geomfdesc	geomorph_feat_description	Narrative Text	Varchar(max)	no						yes	
8	Obsolete?	obterm	obsolete_term	Boolean	Bit	yes						yes	
9	Field Code	fieldcode	field_code	String	Varchar	no	6					yes	
10	Notes	notes	notes	Narrative Text	Varchar(max)	no						yes	
11	Record When Last Updated	recwlupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
12	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
13	Rec ID	geomfiid	geomorph_feat_iid	Integer	Int	yes						yes	

The Geomorphic Feature table lists the terms (drumlin, esker) available to users as a choice list in the Component Geomorphic Description and Site Geomorphic Description tables. The terms displayed in this table relate to the kind of geomorphic feature shown above in the Geomorphic Feature Type table.

NASIS 7.4.2 Tables and Columns

Table Physical Name: geomorfeatype

Table Label: Geomorphic Feature Type

Table Logical Name: geomorph_feature_type

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Feature Type	geomftname	geomorph_feat_type_name	String	Varchar	yes	30					yes	
2	Description	geomftdesc	geomorph_feat_type_description	Narrative Text	Varchar(max)	no						yes	
3	Field Code	fieldcode	field_code	String	Varchar	no	6					yes	
4	Notes	notes	notes	Narrative Text	Varchar(max)	no						yes	
5	Geomorphic Feature Type NASIS Site	geomftdbiidref	geomorph_ft_database_iid_ref	Integer	Int	yes						yes	
6	NASIS Group	grpriidref	group_iid_ref	Integer	Int	yes						yes	
7	Object Last Updated	objwupdated	object_when_last_updated	Date/Time	Datetime	no						yes	
8	Object Last Updated By	objuseriidref	object_user_iid_ref	Integer	Int	no						yes	
9	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
10	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
11	Rec ID	geomftiid	geomorph_feat_type_iid	Integer	Int	yes						yes	

The Geomorphic Feature Type table lists the kinds of geomorphic features (landscapes, landforms, etc.) available to users as choice lists in the Geomorphic Description system.

NASIS 7.4.2 Tables and Columns

Table Physical Name: grazingpractices

Table Label: Grazing Practices

Table Logical Name: grazing_practices

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	soilhealthidref	soil_health_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	Site is Grazed	siteisgrazed	site_is_grazed	Boolean	Bit	yes						no	
4	Site in Grass Ten or More Yrs	siteingrasstenormoreyrs	site_in_grass_ten_or_more_yrs	Boolean	Bit	yes						no	
5	Number of Years in Grazing	numberyearsingrazing	number_years_in_grazing	Integer	Smallint	no			1	9	yrs	no	
6	Used for Emergency Haying or Grazing	usedforemergencyhaygraze	used_for_emergency_hay_graze	Boolean	Bit	yes						no	
7	Domestic Animals Graze	domesticanimalsgraze	domestic_animals_graze	Boolean	Bit	yes						no	
8	Site Grazed and Hayed	sitegrazedandhayed	site_grazed_and_hayed	Boolean	Bit	yes						no	
9	Mechanized Brush Management Used	mechbrushmanagementused	mech_brush_management_used	Boolean	Bit	yes						no	
10	Dom Form of Erosion or Deposition	erodepoformdom	ero_depo_form_dom	Choice	Smallint	no						no	dom_ero_depo_form
11	How Often are Fertility Tests Done	howoftenfertilitytestdone	howoften_fertility_test_done	Choice	Smallint	no						no	fertility_tests_done
12	Fertility Tests Done	fertilitytestsdone	fertility_tests_done	Boolean	Bit	yes						no	
13	Applied N by Test	applyNbytest	apply_N_by_test	Boolean	Bit	yes						no	
14	Apply P2O5 by Test	applyPbytest	apply_P2O5_by_test	Boolean	Bit	yes						no	
15	Apply K2O by Test	applyKbytest	apply_K2O_by_test	Boolean	Bit	yes						no	
16	Fertilizer Applied	fertilizerapplied	fertilizer_applied	Boolean	Bit	yes						no	
17	Nmbr of Times Fertilizer Applied	nmbrtimesfertilizerapplied	nmbr_times_fertilizer_applied	Integer	Smallint	no						no	
18	Nmbr of Years Fertilizer Applied	nmbryearsfertilizerapplied	nmbr_years_fertilizer_applied	Integer	Smallint	no			1		yrs	no	
19	Lbs per Ac per Yr N Applied	lbsperacperyNApplied	lbs_per_ac_yr_N	Integer	Smallint	no			0		lbs/acre/yr	no	
20	Lbs per Ac per Yr P2O5 Applied	lbsperacperyP2O5	lbs_per_ac_per_yr_P2O5	Integer	Smallint	no			0		lbs/acre/yr	no	
21	Lbs per Ac per Yr K2O Applied	lbsperacpryK2O	lbs_per_ac_yr_K2O	Integer	Smallint	no			0		lbs/acre/yr	no	
22	Pesticides Applied	pesticidesapplied	pesticides_applied	Boolean	Bit	yes						no	
23	Nmbr Times Pesticides Applied	nmbrtimespesticidesapplied	nmbr_times_pesticides_applied	Integer	Smallint	no						no	
24	Nmbr Years Pesticides Applied	nmbryearspesticidesapplied	nmbr_years_pesticides_applied	Integer	Smallint	no			1		yrs	no	
25	Had Prescribed Burn	hadprescribedburn	had_prescribed_burn	Boolean	Bit	yes						no	
26	Burn Frequency	burnfrequency	burn_frequency	Choice	Smallint	no						no	burn_frequency
27	Years Since Last Burn	yearssincelastburn	years_since_last_burn	Choice	Smallint	no						no	years_since_last_burn
28	Burn Type	typeofburn	type_of_burn	Choice	Smallint	no						no	type_of_burn
29	Burn Intensity	intensityorcharacterofburn	intensity_or_character_of_burn	Choice	Smallint	no						no	burn_intensity
30	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
31	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						no	
32	Rec ID	grazingpracticesiid	grazing_practices_iid	Integer	Int	yes						no	

Select the metadata information of the grazing practices used on the site.

NASIS 7.4.2 Tables and Columns

Table Physical Name: groundcovdetails

Table Label: Ground Cover Details

Table Logical Name: ground_cover_details

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	transectgrcoviidref	transect_gr_cov_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Transect Point Location	transectpointlocation	transect_point_location	Float	Real	yes		1	0	1000	feet	yes	
4	Quadrat Nmbr	quadratnumber	quadrat_number	Integer	Int	no			1	999		yes	
5	Quadrat Cover Pct	quadratcoverpct	quadrat_cover_pct	Integer	Smallint	no			0	100	percent	yes	
6	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
7	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
8	Rec ID	groundcovdetailsiid	ground_cov_details_iid	Integer	Int	yes						yes	

This table contains data about ground cover found at individual observation points along a transect.

NASIS 7.4.2 Tables and Columns

Table Physical Name: groundsurfcovdetails

Table Label: Ground Surface Cover Details

Table Logical Name: ground_surface_cover_details

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	transectgrsrfcoviidref	transect_gr_surf_cov_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Transect Point Location	transectpointlocation	transect_point_location	Float	Real	yes		1	0	1000	feet	yes	
4	Quadrat Nmbr	quadratnumber	quadrat_number	Integer	Int	no			1	999		yes	
5	Quadrat Cover Pct	quadratcoverpct	quadrat_cover_pct	Integer	Smallint	no			0	100	percent	yes	
6	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
7	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
8	Rec ID	groundsurfcovdetailsiid	ground_surf_cov_details_iid	Integer	Int	yes						yes	

This table contains data about ground surface cover found at individual observation points along a transect.

NASIS 7.4.2 Tables and Columns

Table Physical Name: indexdetail

Table Label: Index Detail

Table Logical Name: index_detail

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	indexiidref	index_iid_ref	Integer	Int	yes						no	
2	System Table	systabiidref	system_table_iid_ref	Integer	Int	yes						no	
3	Index Column Sequence	indexcolumnseq	index_column_sequence	Integer	Int	yes						yes	
4	Table Column	tabcoliidref	table_column_iid_ref	Integer	Int	yes						yes	
5	Include Clause Column	includeclause	include_clause	Boolean	Bit	yes						yes	
6	Not null clause column	notnullclause	notnull_clause	Boolean	Bit	yes						yes	
7	Pending Action	pendact	pending_action	Choice	Smallint	no						yes	pending_action
8	Pending Status	pendstat	pending_status	Choice	Smallint	no						yes	pending_status
9	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
10	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
11	Rec ID	indexdetailiid	index_detail_iid	Integer	Int	yes						yes	

Index detail data

NASIS 7.4.2 Tables and Columns

Table Physical Name: indexdetailhist

Table Label: Index Detail History

Table Logical Name: index_detail_history

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	indexdetailiidref	index_detail_iid_ref	Integer	Int	yes						no	
2	Date	notedate	note_date	Date/Time	Datetime	no						yes	
3	Notes	notes	notes	Narrative Text	Varchar(max)	no						yes	
4	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
5	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
6	Rec ID	indexdetailnoteiid	index_detail_note_iid	Integer	Int	yes						yes	

This table records notes about issues with and changes to a index details.

NASIS 7.4.2 Tables and Columns

Table Physical Name: indexmaster

Table Label: Index Master

Table Logical Name: index_master

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	systabidref	system_table_iid_ref	Integer	Int	yes						no	
2	System	sysiidref	system_iid_ref	Integer	Int	yes						no	
3	Constraint or Index Name	constraintorindexname	constraint_or_index_name	String	Varchar	no	128					yes	
4	Unique Index	uniqueindex	unique_index	Boolean	Bit	yes						yes	
5	Foreign Key	foreignkeyindex	foreign_key_index	Boolean	Bit	yes						yes	
6	Primary Index	primaryindex	primary_index	Boolean	Bit	yes						yes	
7	Clustered Index	clusteredindex	clustered_index	Boolean	Bit	yes						yes	
8	Index Deferrable	indexdeferrable	index_deferrable	Boolean	Bit	yes						yes	
9	Performance Index	performanceindex	performance_index	Boolean	Bit	yes						yes	
10	Spatial	spatialindex	spatial_index	Boolean	Bit	yes						yes	
11	Number of Columns	indexcolnum	index_column_number	Integer	Int	no						yes	
12	Index Column Names	indexcolnames	index_column_names	String	Varchar	no	128					yes	
13	Index Description	indexdesc	index_description	String	Varchar	no	254					yes	
14	Index ID	indexid	index_id	Integer	Int	no						yes	
15	SQL Advance Options	sqladvanceoptions	sql_advance_options	Narrative Text	Varchar(max)	no						yes	
16	Pending Action	pendact	pending_action	Choice	Smallint	no						yes	pending_action
17	Pending Status	pendstat	pending_status	Choice	Smallint	no						yes	pending_status
18	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
19	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
20	Rec ID	indexiid	index_iid	Integer	Int	yes						yes	

Index master data

NASIS 7.4.2 Tables and Columns

Table Physical Name: indexmasterhist

Table Label: Index Master History

Table Logical Name: index_master_history

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	indexiidref	index_iid_ref	Integer	Int	yes						no	
2	Date	notedate	note_date	Date/Time	Datetime	no						yes	
3	Notes	notes	notes	Narrative Text	Varchar(max)	no						yes	
4	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
5	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
6	Rec ID	indexnoteiid	index_note_iid	Integer	Int	yes						yes	

This table records notes about issues with and changes to a particular index master record.

NASIS 7.4.2 Tables and Columns

Table Physical Name: keyrangeclient

Table Label: Key Range - Client

Table Logical Name: key_range_client

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Table Physical Name	tabphynm	table_physical_name	String	Varchar	yes	33					no	
2	Next Key Value	nextkeyvalue	next_key_value	Integer	Int	yes						no	
3	Range End Value	rangeendvalue	range_end_value	Integer	Int	yes						no	
4	Reserved Key Range Start	reservekeyrangestart	reserve_key_range_start	Integer	Int	yes						no	
5	Reserve Key Range End	reservekeyrangeend	reserve_key_range_end	Integer	Int	yes						no	

This table controls key assignment in a NASIS client database.

NASIS 7.4.2 Tables and Columns

Table Physical Name: landusesormgtysystems

Table Label: Land Uses Or Management Systems

Table Logical Name: landuse_or_management_systems

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	forestrypracticesiidref	forestry_practices_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	Land Use Or Management System	landuseorlandmgtssystem	landuse_or_land_mgt_system	Choice	Smallint	no						no	landuse_or_mgt_system
4	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
5	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						no	
6	Rec ID	landuseorlandmgtssystemiid	landuse_or_land_mgt_system_iid	Integer	Int	yes						no	

Select the land use or land management system used on the site: Domain = landuse_or_mgt_system.

NASIS 7.4.2 Tables and Columns

Table Physical Name: laoverlap

Table Label: Legend Area Overlap

Table Logical Name: legend_area_overlap

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	liidref	legend_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Area	areaiidref	area_iid_ref	Integer	Int	yes						yes	
4	Area Overlap Acres	areaovacres	area_overlap_acres	Integer	Int	no			0		acres	yes	
5	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
6	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
7	Rec ID	lareaoviid	legend_area_overlap_iid	Integer	Int	yes						yes	

The Legend Area Overlap table lists the geographic areas that are coincident with the soil survey area shown above in the Legend table. For example, a survey area that covers two counties would have two rows in this table, one for each county.

NASIS 7.4.2 Tables and Columns

Table Physical Name: Icerthistory

Table Label: Legend Certification History

Table Logical Name: legend_cert_history

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	liidref	legend_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Reviewer	revieweruseridref	reviewer_user_iid_ref	Integer	Int	no						yes	
4	Cert Date	certificationdate	certification_date	Date/Time	Datetime	yes						yes	
5	Cert Kind	certificationkind	certification_kind	Choice	Smallint	yes						yes	certification_kind
6	Legend Certification Status	legendcertstat	legend_certification_status	Choice	Smallint	yes						yes	legend_certification_status
7	Cert Text	certificationtext	certification_text	Narrative Text	Varchar(max)	no						yes	
8	Record When Last Updated	recwlastupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
9	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
10	Rec ID	lcerthistoryiid	legend_cert_history_iid	Integer	Int	yes						yes	

This table records information about the review and certification of the data in the Legend object. As new records are created the previous records are retained in order to maintain a certification history.

NASIS 7.4.2 Tables and Columns

Table Physical Name: legend

Table Label: Legend

Table Logical Name: legend

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Area	areaiidref	area_iid_ref	Integer	Int	yes						yes	
2	Survey Status	ssastatus	soil_survey_area_status	Choice	Smallint	no						yes	soil_survey_area_status
3	Correlation Date	cordate	correlation_date	Date/Time	Datetime	no						yes	
4	Legend Description	legenddesc	legend_description	String	Varchar	no	60					yes	
5	MLRA Office	mlraoffice	mlra_office	Choice	Smallint	no						yes	mlra_office
6	MOU Signed	mousigned	mou_signed	Date/Time	Datetime	no						yes	
7	MOU Agency Responsible	mouagencyresp	mou_agency_responsible	Choice	Smallint	no						yes	mou_agency_responsible
8	MOU Projected Completion	mouprojcomp	mou_projected_completion	Date/Time	Datetime	no						yes	
9	Project Scale	projectscale	project_scale	Integer	Int	no						yes	
10	Geographic Applicability	legendsuituse	legend_suitability_for_use	Choice	Smallint	no						yes	legend_suitability_for_use
11	Legend NASIS Site	ldbiiidref	legend_database_iid_ref	Integer	Int	yes						yes	
12	NASIS Group	grpriidref	group_iid_ref	Integer	Int	yes						yes	
13	Object Last Updated	objwupdated	object_when_last_updated	Date/Time	Datetime	no						yes	
14	Object Last Updated By	objuseriidref	object_user_iid_ref	Integer	Int	no						yes	
15	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
16	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
17	Rec ID	liid	legend_iid	Integer	Int	yes						yes	

The Legend table lists survey area legends and the owner of each legend. Legends are linked to area types and areas. Legends are linked to map units that occur in the Legend through the Legend Mapunit table.

NASIS 7.4.2 Tables and Columns

Table Physical Name: lexportcerthistory

Table Label: Legend Export Certification History

Table Logical Name: legend_export_cert_history

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	liidref	legend_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Reviewer	revieweruseridref	reviewer_user_iid_ref	Integer	Int	no						yes	
4	Export Cert Date	exportcertdate	export_certification_date	Date/Time	Datetime	yes						yes	
5	Export Certification Status	exportcertstatus	export_certification_status	Choice	Smallint	yes						yes	export_certification_status
6	Export Metadata	exportmetadata	export_metadata	Narrative Text	Varchar(max)	no						yes	
7	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
8	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
9	Rec ID	lexportcerthistoryiid	legend_export_cert_history_iid	Integer	Int	yes						yes	

This table records information about the export of all data associated with a legend - map units, soil property data and interpretations. As new records are created the previous records are retained in order to maintain an export certification history.

NASIS 7.4.2 Tables and Columns

Table Physical Name: Imapunit

Table Label: Legend Mapunit

Table Logical Name: legend_mapunit

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	liidref	legend_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Mapunit Symbol	musym	mapunit_symbol	String	Varchar	yes	6					yes	
4	Mapunit	muiidref	mapunit_iid_ref	Integer	Int	yes						yes	
5	Status	mustatus	mapunit_status	Choice	Smallint	yes						yes	mapunit_status
6	Total Acres	muacres	mapunit_acres	Integer	Int	no			0		acres	yes	
7	Farm Class	farmlndcl	farmland_classification	Choice	Smallint	no						yes	farmland_classification
8	Secondary Farm Class	farmlndclsec	farmland_class_secondary	Choice	Smallint	no						yes	farmland_class_secondary
9	Dominant MLRA	mlraareaiidref	mlra_area_iid_ref	Integer	Int	no						yes	
10	MLRA Area Type	mlraareatypeiidref	mlra_area_type_iid_ref	Integer	Int	yes						no	
11	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
12	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
13	Rec ID	Imapunitiid	legend_mapunit_iid	Integer	Int	yes						yes	

This is a link table that provides a listing of map units identified in the Mapunit table that are part of a particular legend.

NASIS 7.4.2 Tables and Columns

Table Physical Name: Imuaoverlap

Table Label: Legend Mapunit Area Overlap

Table Logical Name: legend_mapunit_area_overlap

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	lareaoviidref	legend_area_overlap_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Legend Mapunit	lmapunitiidref	legend_mapunit_iid_ref	Integer	Int	yes						yes	
4	Legend	liidref	legend_iid_ref	Integer	Int	yes						no	
5	Mapunit Area Overlap Acres	areaovacres	area_overlap_acres	Integer	Int	no			0		acres	yes	
6	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
7	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
8	Rec ID	lmuareaoviid	legend_mu_area_overlap_iid	Integer	Int	yes						yes	

The Mapunit Area Overlap table lists the mapunits that exist in the overlap between the entire survey area and the geographic area shown in the Legend Area Overlap table.

NASIS 7.4.2 Tables and Columns

Table Physical Name: Imuhistory

Table Label: Legend Mapunit History

Table Logical Name: legend_mapunit_history

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	Imapunitiidref	legend_mapunit_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Date	recdate	record_date	Date/Time	Datetime	yes						yes	
4	Author	recauthor	record_author	String	Varchar	no	25					yes	
5	Correlation Kind	corkind	correlation_kind	Choice	Smallint	no						yes	correlation_kind
6	Correlation Event	corevent	correlation_event	Choice	Smallint	no						yes	correlation_event
7	Historical Name	munamehist	mapunit_name_historical	String	Varchar	no	240					yes	
8	Text Entry	textentry	text_entry	Narrative Text	Varchar(max)	no						yes	
9	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
10	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
11	Rec ID	Imuhistoryiid	legend_mapunit_history_iid	Integer	Int	yes						yes	

This table records the history of a particular map unit in a particular legend.

NASIS 7.4.2 Tables and Columns

Table Physical Name: lmutext

Table Label: Legend Mapunit Text

Table Logical Name: legend_mapunit_text

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	lmapunitidref	legend_mapunit_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Date	recdate	record_date	Date/Time	Datetime	no						yes	
4	Author	recauthor	record_author	String	Varchar	no	25					yes	
5	Kind	lmutextkind	legend_mapunit_text_kind	Choice	Smallint	no						yes	legend_mapunit_text_kind
6	Category	textcat	text_category	String	Varchar	no	20					yes	
7	Subcategory	textsubcat	text_subcategory	String	Varchar	no	20					yes	
8	Text Entry	textentry	text_entry	Narrative Text	Varchar(max)	no						yes	
9	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
10	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
11	Rec ID	lmutextiid	legend_mapunit_text_iid	Integer	Int	yes						yes	

The Legend Mapunit Text table contains notes and narrative descriptions related to map unit entries in the Legend Mapunit table.

NASIS 7.4.2 Tables and Columns

Table Physical Name: localplant

Table Label: Local Plant

Table Logical Name: local_plant

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Common Name	lplantname	local_plant_name	String	Varchar	yes	127					yes	
2	Plant	plantidref	plant_iid_ref	Integer	Int	yes						yes	
3	Obsolete?	obterm	obsolete_term	Boolean	Bit	yes						yes	
4	Local Plant NASIS Site	lplantdbiidref	local_plant_database_iid_ref	Integer	Int	yes						yes	
5	NASIS Group	grpIIDref	group_iid_ref	Integer	Int	yes						yes	
6	Object Last Updated	objwIupdated	object_when_last_updated	Date/Time	Datetime	no						yes	
7	Object Last Updated By	objuseriidref	object_user_iid_ref	Integer	Int	no						yes	
8	Record When Last Updated	recwIupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
9	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
10	Rec ID	lplantiid	local_plant_iid	Integer	Int	yes						yes	

The Local Plant table records a subset of plants commonly referenced in some loosely defined geographic area. Plant lookups for soil survey tables that reference plants are based on the Local Plant table as opposed to the complete official Plant table in order to reduce the size of the choice list and increase performance. Each record in the Local Plant table must be related to a record in the complete official Plant table. The plant choice list used to relate a local plant to an official plant is based on the complete official Plant table. This choice list can take anywhere from 5 to 10 minutes to open. At the time NASIS 3.0 was released, the complete official Plant table contained approximately 80,000 records. The performance of huge choice lists will be reengineered in a future release.

NASIS 7.4.2 Tables and Columns

Table Physical Name: lpaoccurrence

Table Label: Local Plant Area Occurrence

Table Logical Name: local_plant_area_occurrence

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	lplantidref	local_plant_iid_ref	Integer	Int	yes						no	
2	Area	areaiidref	area_iid_ref	Integer	Int	yes						yes	
3	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
4	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
5	Rec ID	lplantareaoccurrenceiid	lplant_area_occurrence_iid	Integer	Int	yes						yes	

The Local Plant Area Occurrence table records geographic areas in which the corresponding plant is known to occur.

NASIS 7.4.2 Tables and Columns

Table Physical Name: lrefecmdoc

Table Label: Legend Reference ECM Documents

Table Logical Name: legend_ref_ecm_doc

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	liidref	legend_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	ECM Document Type	ecmdoctype	ecm_document_type	Choice	Smallint	no						no	document_kind
4	ECM Document Name	ecmdocname	ecm_document_name	String	Varchar	no	255					no	
5	ECM Document URL	ecmdockeyurl	ecm_document_key_url	Hyperlink	Varchar	no	138					no	
6	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
7	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						no	
8	Rec ID	lrefecmdociid	legend_ref_ecm_doc_iid	Integer	Int	yes						no	

This table contains hyperlink(s) to document(s) stored in the Enterprise Content Management (ECM) system that are additional documentation of the legend. A separate row is entered for each document stored in the ECM. The kinds of documents that can be stored are: Audio, images, diagrams, PDF, powerpoint presentations, spreadsheets, text (plain text or other word processing program), and video.

NASIS 7.4.2 Tables and Columns

Table Physical Name: ltext

Table Label: Legend Text

Table Logical Name: legend_text

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	liidref	legend_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Date	recdate	record_date	Date/Time	Datetime	no						yes	
4	Author	recauthor	record_author	String	Varchar	no	25					yes	
5	Kind	legendtextkind	legend_text_kind	Choice	Smallint	no						yes	legend_text_kind
6	Category	textcat	text_category	String	Varchar	no	20					yes	
7	Subcategory	textsubcat	text_subcategory	String	Varchar	no	20					yes	
8	Text Entry	textentry	text_entry	Narrative Text	Varchar(max)	no						yes	
9	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
10	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
11	Rec ID	legtextiid	legend_text_iid	Integer	Int	yes						yes	

The Legend Text table contains notes and narrative descriptions for the legend shown above in the Legend table. Legend text is optional. In many cases, this table is empty.

NASIS 7.4.2 Tables and Columns

Table Physical Name: mapunit

Table Label: Mapunit

Table Logical Name: mapunit

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Mapunit Name	muname	mapunit_name	String	Varchar	no	240					yes	
2	Mapunit Kind	mukind	mapunit_kind	Choice	Smallint	no						yes	mapunit_kind
3	Mapunit Type	mutype	mapunit_type	Choice	Smallint	no						yes	mapunit_type
4	National Mapunit Symbol	nationalmusym	national_mapunit_symbol	String	Varchar	yes	6					yes	
5	Linear Feature Width	mapunitlfw	mapunit_linear_feature_width	Integer	Smallint	no					meters	yes	
6	Point Feature Area	mapunitpfa	mapunit_point_feature_area	Float	Real	no		1	0.1	10	acres	yes	
7	USFS Map Unit Concept	usfsmuconcept	usfs_mapunit_concept	Narrative Text	Varchar(max)	no						yes	
8	Mapunit NASIS Site	mudbiidref	mapunit_database_iid_ref	Integer	Int	yes						yes	
9	NASIS Group	grpriidref	group_iid_ref	Integer	Int	yes						yes	
10	Object Last Updated	objwupdated	object_when_last_updated	Date/Time	Datetime	no						yes	
11	Object Last Updated By	objuseriidref	object_user_iid_ref	Integer	Int	no						yes	
12	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
13	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
14	Rec ID	muiid	mapunit_iid	Integer	Int	yes						yes	

The Mapunit table lists all mapunits in the national database. All mapunits ever used in any soil survey area are included in this table and are not deleted when correlated to another symbol. Instead, correlated symbols are changed to additional status and their links to data mapunits are copied to the Correlation table for the new mapunit symbol. Such correlation decisions are recorded in the Mapunit History table. Individual map units that are part of a particular soil survey area legend are linked to that legend in the Legend Mapunit table. Likewise, map units that are covered by a defined 'project' in the Project table are linked to that project in the Project Mapunit table.

NASIS 7.4.2 Tables and Columns

Table Physical Name: milestonetype

Table Label: Milestone Type

Table Logical Name: milestone_type

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Milestone Type Name	milestonetypename	milestone_type_name	String	Varchar	yes	120					yes	
2	Description	milestonetypedesc	milestone_type_description	Narrative Text	Varchar	no	475					yes	
3	Notes	notes	notes	Narrative Text	Varchar(max)	no						yes	
4	Obsolete?	obterm	obsolete_term	Boolean	Bit	yes						yes	
5	Milestone Type NASIS Site	milestonetypedbiidref	milestone_type_db_iid_ref	Integer	Int	yes						yes	
6	NASIS Group	grpiddref	group_iid_ref	Integer	Int	yes						yes	
7	Object Last Updated	objwupdated	object_when_last_updated	Date/Time	Datetime	no						yes	
8	Object Last Updated By	objuseridref	object_user_iid_ref	Integer	Int	no						yes	
9	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
10	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
11	Rec ID	milestonetypeiid	milestone_type_iid	Integer	Int	yes						yes	

This table is used to define milestones. Contents in this table serve as a lookup list for the Milestone table.

NASIS 7.4.2 Tables and Columns

Table Physical Name: mostrecentcrops

Table Label: Most Recent Crops

Table Logical Name: most_recent_crops

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	croppingpracticesiidref	cropping_practices_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	Most Recent Crop	mostrecentcrop	most_recent_crop	Choice	Smallint	no						no	crop_name
4	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
5	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						no	
6	Rec ID	mostrecentcropiid	most_recent_crop_iid	Integer	Int	yes						no	

Select crop name from the Domain = crop_name list.

NASIS 7.4.2 Tables and Columns

Table Physical Name: muhistory

Table Label: Mapunit History

Table Logical Name: mapunit_history

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	muidref	mapunit_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Date	recdate	record_date	Date/Time	Datetime	no						yes	
4	Author	recauthor	record_author	String	Varchar	no	25					yes	
5	Correlation Kind	corkind	correlation_kind	Choice	Smallint	no						yes	correlation_kind
6	Correlation Event	corevent	correlation_event	Choice	Smallint	no						yes	correlation_event
7	Historical Name	munamehist	mapunit_name_historical	String	Varchar	no	240					yes	
8	Text Entry	textentry	text_entry	Narrative Text	Varchar(max)	no						yes	
9	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
10	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
11	Rec ID	muhistiid	mapunit_history_iid	Integer	Int	yes						yes	

The Mapunit History table contains the complete correlation history and documentation for the mapunit shown above in the Mapunit table. The first record added to this table documents the date at which the mapunit was added to the database. Subsequent records added to this table document changes in mapunit name or status, and other correlation decisions.

NASIS 7.4.2 Tables and Columns

Table Physical Name: murefecmdoc

Table Label: Mapunit Reference ECM Documents

Table Logical Name: mapunit_ref_ecm_doc

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	muidref	mapunit_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	ECM Document Type	ecmdoctype	ecm_document_type	Choice	Smallint	no						no	document_kind
4	ECM Document Name	ecmdocname	ecm_document_name	String	Varchar	no	255					no	
5	ECM Document URL	ecmdockeyurl	ecm_document_key_url	Hyperlink	Varchar	no	138					no	
6	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
7	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						no	
8	Rec ID	mapunitrefecmdociid	mapunit_ref_ecm_doc_iid	Integer	Int	yes						no	

This table contains hyperlink(s) to document(s) stored in the Enterprise Content Management (ECM) system that are additional documentation of the mapunit. A separate row is entered for each document stored in the ECM. The kinds of documents that can be stored are: Audio, images, diagrams, PDF, powerpoint presentations, spreadsheets, text (plain text or other word processing program), and video.

NASIS 7.4.2 Tables and Columns

Table Physical Name: mutext

Table Label: Mapunit Text

Table Logical Name: mapunit_text

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	muidref	mapunit_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Date	recdate	record_date	Date/Time	Datetime	no						yes	
4	Author	recauthor	record_author	String	Varchar	no	25					yes	
5	Kind	mapunittextkind	mapunit_text_kind	Choice	Smallint	no						yes	mapunit_text_kind
6	Category	textcat	text_category	String	Varchar	no	20					yes	
7	Subcategory	textsubcat	text_subcategory	String	Varchar	no	20					yes	
8	Text Entry	textentry	text_entry	Narrative Text	Varchar(max)	no						yes	
9	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
10	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
11	Rec ID	mutextiid	mapunit_text_iid	Integer	Int	yes						yes	

The Mapunit Text table contains the non-technical descriptions and other miscellaneous notes for the mapunit shown above in the Mapunit table. Notes related to correlation decisions should be entered in the Mapunit History table.

NASIS 7.4.2 Tables and Columns

Table Physical Name: muusfsecoclass

Table Label: Mapunit USFS Ecological Classification

Table Logical Name: mapunit_usfs_eco_class

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	muiidref	mapunit_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	USFS Ecological Classification	usfseciidref	usfs_eco_class_iid_ref	Integer	Int	yes						yes	
4	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
5	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
6	Rec ID	muusfsecoclsiid	mapunit_usfs_eco_class_iid	Integer	Int	yes						yes	

This table records the U.S. Forest Service ecological classifications for the corresponding map unit.

NASIS 7.4.2 Tables and Columns

Table Physical Name: muusfsinterp

Table Label: Mapunit USFS Interpretation

Table Logical Name: mapunit_usfs_interpretation

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	muiidref	mapunit_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	USFS Interpretation	usfsinterp_iidref	usfs_interp_iid_ref	Integer	Int	yes						yes	
4	USFS Interpretation Rating Class	usfsirclass_iidref	usfs_irclass_iid_ref	Integer	Int	no						yes	
5	USFS Interp Rating Numeric Value	usfsirnumval	usfs_irating_numeric_value	Float	Float	no	2					yes	
6	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
7	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
8	Rec ID	muusfsinterp_iid	mapunit_usfs_interp_iid	Integer	Int	yes						yes	

This table records the U.S. Forest Service soil interpretation results for the corresponding map unit.

NASIS 7.4.2 Tables and Columns

Table Physical Name: muusfsirestrict

Table Label: Mapunit USFS Interpretation Restriction

Table Logical Name: mapunit_usfs_interp_restrict

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	muusfsinterpiidref	mapunit_usfs_interp_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	USFS Interpretation Restriction	usfsirstrctiidref	usfs_irestriction_iid_ref	Integer	Int	yes						yes	
4	Record When Last Updated	recwlastupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
5	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
6	Rec ID	muusfsirestrictiid	mapunit_usfs_irestrict_iid	Integer	Int	yes						yes	

This table records the U.S. Forest Service soil interpretation restrictions for the corresponding U.S. Forest Service soil interpretation for the corresponding map unit.

NASIS 7.4.2 Tables and Columns

Table Physical Name: nasisgroup

Table Label: NASIS Group

Table Logical Name: nasis_group

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	nasissiteidref	nasis_site_iid_ref	Integer	Int	yes						no	
2	NASIS Group Name	grpname	group_name	String	Varchar	yes	30					yes	
3	Description	grpdesc	group_description	String	Varchar	no	60					yes	
4	Contact	grpcontact	group_contact	String	Varchar	no	30					yes	
5	Phone	grpphone	group_phone	String	Varchar	no	20					yes	
6	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
7	Rec ID	grpiid	group_iid	Integer	Int	yes						yes	

The Group table lists the groups established for the database shown in the NASIS Site table. This table is part of the NASIS security system. It can be edited, but only by a user who is a member of the group identified in the Security Group column in the NASIS Site table. The Group Table includes one group that has authority to edit the NASIS Site object, which includes the NASIS Site, Group, and Group Member tables. The group name with this authority is typically named "MO-xx Security" or another similar name.

NASIS 7.4.2 Tables and Columns

Table Physical Name: nasisgroupmember

Table Label: NASIS Group Member

Table Logical Name: nasis_group_member

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	grpiddref	group_iid_ref	Integer	Int	yes						no	
2	NASIS User	useriidref	user_iid_ref	Integer	Int	yes						yes	
3	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
4	Rec ID	grpmemiid	group_member_iid	Integer	Int	yes						yes	

The Group Member table lists the users who are members of the group shown in the Group table. This table is part of the NASIS security system. It can be edited, but only by a user who is a member of the group identified in the Security Group column in the NASIS Site table.

NASIS 7.4.2 Tables and Columns

Table Physical Name: nasissession

Table Label: NASIS Session

Table Logical Name: nasis_session

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	NASIS User	useridref	user_iid_ref	Integer	Int	yes						no	
2	Session Passcode	sessionpasscode	session_passcode	String	Char	yes	32					no	
3	Session Commenced	sessioncommenced	session_commenced	Date/Time	Datetime	yes						no	
4	Session Expires	sessionexpires	session_expires	Date/Time	Datetime	yes						no	
5	Session Last Active	sessionlastactive	session_last_active	Date/Time	Datetime	no						no	
6	Session ID	sessionid	session_id	Integer	Int	yes						no	

The NASIS Session table tracks connected NASIS client sessions.

NASIS 7.4.2 Tables and Columns

Table Physical Name: nasissite

Table Label: NASIS Site

Table Logical Name: nasissite

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	NASIS Site Name	nasissitename	nasissite_name	String	Varchar	yes	30					yes	
2	Description	nasissitedesc	nasissite_description	String	Varchar	no	60					yes	
3	State	nasissitestate	nasissite_state	Choice	Smallint	no						yes	state_fips_code_alpha
4	County	nasissitecounty	nasissite_county	String	Varchar	no	30					yes	
5	City	nasissitecity	nasissite_city	String	Varchar	no	30					yes	
6	Office Type	nasissiteofficetype	nasissite_office_type	Choice	Smallint	no						yes	nasissite_office_type
7	Contact	nasissitecontact	nasissite_contact	String	Varchar	no	30					yes	
8	Phone	nasissitephone	nasissite_phone	String	Varchar	no	20					yes	
9	Object Last Updated	objwupdated	object_when_last_updated	Date/Time	Datetime	no						yes	
10	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
11	Rec ID	nasissiteiid	nasissite_iid	Integer	Int	yes						yes	

The NASIS Site table lists all of the NASIS Sites known to the NASIS Central Server. This table is part of the NASIS security system. A NASIS Site can be edited, but only by a user who is a member of the group identified in the Security Group column.

NASIS 7.4.2 Tables and Columns

Table Physical Name: nasissiteadmin

Table Label: NASIS Site Administrator

Table Logical Name: nasis_site_admin

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	nasissiteidref	nasis_site_iid_ref	Integer	Int	yes						no	
2	NASIS User	useriidref	user_iid_ref	Integer	Int	yes						yes	
3	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
4	Rec ID	nasissiteadminiid	nasis_site_admin_iid	Integer	Int	yes						yes	

The NASIS Site Administrator table lists the NASIS users who have administrative privileges for the corresponding NASIS Site.

NASIS 7.4.2 Tables and Columns

Table Physical Name: nasisuser

Table Label: NASIS User

Table Logical Name: nasis_user

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	NASIS User Name	username	user_name	String	Varchar	yes	30					yes	
2	Affiliation	useraffiliation	user_affiliation	Choice	Smallint	no						yes	user_affiliation
3	Description	userdesc	user_description	String	Varchar	no	60					yes	
4	Job Title	userjobtitle	user_job_title	String	Varchar	no	60					yes	
5	Phone	userphone	user_phone	String	Varchar	no	20					yes	
6	Email Address	useremailaddr	user_e_mail_address	String	Varchar	no	60					yes	
7	eAuth ID	eauthid	eauth_id	String	Char	no	23					yes	
8	Windows Login	windowslogin	windows_login	String	Varchar	yes	60					yes	
9	Last Login	lastlogin	last_login	Date/Time	Datetime	no						yes	
10	Default NASIS Group	defaultgrpriidref	default_group_iid_ref	Integer	Int	no						no	
11	NASIS User NASIS Site	nasisuserdbiidref	nasis_user_database_iid_ref	Integer	Int	yes						yes	
12	Object Last Updated	objwupdated	object_when_last_updated	Date/Time	Datetime	no						yes	
13	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
14	Rec ID	useriid	user_iid	Integer	Int	yes						yes	

The User table lists the users authorized to run NASIS. Users can edit some of the data in their individual data records, but cannot create new user records nor delete existing user records. Special procedures are required to create or delete records in this table. Contact the NASIS hotline for assistance if a user record needs to be created, deleted, or modified in a way that cannot be accomplished by the individual user.

NASIS 7.4.2 Tables and Columns

Table Physical Name: ncsslayerslabdata

Table Label: NCSS Layer Lab Data

Table Logical Name: ncsslayer_lab_data

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	ncsspedonlabdataiidref	ncss_pedon_lab_data_iid_ref	Integer	Int	yes						no	
2	Layer Seq	layerseqnum	layer_seq_num	Integer	Int	no			1			yes	
3	Lab Sample Nmbr	labsampnum	laboratory_sample_number	String	Varchar	yes	10					yes	
4	Top Depth	hzdept	horizon_depth_to_top	Integer	Smallint	yes			0	9999	cm	yes	
5	Bottom Depth	hzdepb	horizon_depth_to_bottom	Integer	Smallint	yes			0	9999	cm	yes	
6	Layer Type	layertype	layer_type	Choice	Smallint	no						yes	layer_type
7	Horizon Designation	hzname	horizon_designation	String	Varchar	no	25					yes	
8	Horizon Designation Original	hznameoriginal	horizon_designation_original	String	Varchar	no	20					yes	
9	Stratified Flag	stratextsflag	stratified_textures_flag	Boolean	Bit	yes						yes	
10	Moisture State	moistprepstate	moisture_prep_state	Choice	Smallint	no						yes	moisture_prep_state
11	Lab Texture	texcl	texture_class	Choice	Smallint	no						yes	texture_class
12	VC Sand Measured	sandvcmeasured	sand_very_coarse_measured	Float	Real	no		1	0	100	percent	yes	
13	Coarse Sand Measured	sandcomeasured	sand_coarse_measured	Float	Real	no		1	0	100	percent	yes	
14	Med Sand Measured	sandmedmeasured	sand_medium_measured	Float	Real	no		1	0	100	percent	yes	
15	Fine Sand Measured	sandfinemeasured	sand_fine_measured	Float	Real	no		1	0	100	percent	yes	
16	VF Sand Measured	sandvfmeasured	sand_very_fine_measured	Float	Real	no		1	0	100	percent	yes	
17	Total Sand Measured	sandtotmeasured	sand_total_measured	Float	Real	no		1	0	100	percent	yes	
18	Coarse Silt Measured	siltcomeasured	silt_coarse_measured	Float	Real	no		1	0	100	percent	yes	
19	Fine Silt Measured	siltfinemeasured	silt_fine_measured	Float	Real	no		1	0	100	percent	yes	
20	Total Silt Measured	silttotmeasured	silt_total_measured	Float	Real	no		1	0	100	percent	yes	
21	CaCO3 Clay Equiv Measured	claycarbmeasured	clay_sized_carbonate_measured	Float	Real	no		1	0	100	percent	yes	
22	Fine Clay Measured	clayfinemeasured	clay_fine_measured	Float	Real	no		1	0	100	percent	yes	
23	Total Clay Measured	claytotmeasured	clay_total_measured	Float	Real	no		1	0	100	percent	yes	
24	Organic Carbon Pct	carbonorganicpctmeasured	carbon_organic_percent_meas	Float	Real	no		2	0	100	percent	yes	
25	Total Carbon Pct	carbontotalpctmeasured	carbon_total_percent_meas	Float	Real	no		2	0	100	percent	yes	
26	OM Pct Est	ompctest	organic_matter_percent_est	Float	Real	no		2	0	100	percent	yes	
27	Rubbed Fiber Pct	fiberrubbedpct	fiber_rubbed_percent	Integer	Smallint	no			0	100	percent	yes	
28	Unrubbed Fiber Pct	fiberunrubbedpct	fiber_unrubbed_percent	Integer	Smallint	no			0	100	percent	yes	
29	Frag Pct 2 to 5 mm by wt	fragwt25	fragment_2_5_pct_wt	Integer	Smallint	no			0	100	percent	yes	
30	Frag Pct 5 to 20 mm by wt	fragwt520	fragment_5_20_pct_wt	Integer	Smallint	no			0	100	percent	yes	
31	Frag Pct 20 to 75 mm by wt	fragwt2075	fragment_20_75_pct_wt	Integer	Smallint	no			0	100	percent	yes	
32	Frag Pct 2 to 75 mm by wt	fragwt275	fragment_2_75_pct_wt	Integer	Smallint	no			0	100	percent	yes	
33	Wt Pct 0.1 to 75 mm	wtptct0175	wt_pct_01_75	Integer	Smallint	no			0	100	percent	yes	
34	Wt Pct GT 2 mm ws	wtptctgt2ws	wt_pct_gt2_ws	Integer	Smallint	no			0	100	percent	yes	
35	pH 1 to 1 water	ph1to1h2o	ph_1_1_water	Float	Real	no		1	1.0	13		yes	
36	pH 01M CaCl2	ph01mcacl2	ph_01m_cacl2	Float	Real	no		1	1.0	13		yes	
37	pH NaF	phnaf	ph_naf	Float	Real	no		1	1.0	13		yes	
38	pH Oxidized	phoxidized	ph_oxidized	Float	Real	no		1	1.0	13		yes	
39	Resistivity	resistivity	resistivity	Integer	Int	no			0		ohm/cm	yes	
40	EC	ecmeasured	electrical_cond_measured	Float	Real	no		2	0	15000	dS/m	yes	
41	ESP	esp	exchangeable_sodium_percent	Integer	Smallint	no			0	100	percent	yes	
42	SAR	sar	sodium_adsorption_ratio	Float	Real	no		1	0	9999		yes	
43	CEC sum of cations	cecsumcations	cec_sum_cations	Float	Real	no		1	0		cmol(+)/kg	yes	
44	CEC7	cec7	cation_exch_capcty_nh4oacph7	Float	Real	no		1	0	400	cmol(+)/kg	yes	

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
45	ECEC	ecec	effective_cation_exch_capcty	Float	Real	no		1	0	400	cmol(+)/kg	yes	
46	Sum of Bases	sumbases	sum_of_bases_nh4oacph7	Float	Float	no		1	0	300	cmol(+)/kg	yes	
47	Base Sat sum of cations	basesatsumcations	base_saturation_sum_of_cations	Integer	Smallint	no			0	100	percent	yes	
48	Base Sat NH4OAc	basesatnh4oac	base_saturation_nh4oac	Integer	Smallint	no			0	100	percent	yes	
49	CaCO3 Clay Measured	caco3equivmeasured	calcium_carb_equiv_measured	Integer	Smallint	no			0	110	percent	yes	
50	CaCO3 LT 20 mm	caco3lt20measured	calcium_carb_less_than_20_meas	Integer	Smallint	no			0	110	percent	yes	
51	Gypsum LT 2 mm	gypsumequivlt2measured	gypsum_equivalent_lt2_meas	Integer	Int	no			0	100	percent	yes	
52	Gypsum LT 20 mm	gypsumequivmeasured	gypsum_equivalent_meas	Integer	Smallint	no			0	100	percent	yes	
53	Oxalate Fe	feoxalatemeasured	iron_oxalate_measured	Float	Real	no		2	0	100	percent	yes	
54	Extractable Fe	feextractable	iron_extractable	Float	Real	no		1	0	100	percent	yes	
55	Total Fe	fetotal	iron_total	Float	Real	no		1	0		mg/kg	yes	
56	Oxalate Si	sioxalatemeasured	silicon_oxalate_measured	Float	Real	no		2	0	100	percent	yes	
57	Extr Acidity	extracid	extractable_acidity	Float	Real	no		1	0	250	cmol(+)/kg	yes	
58	Extr Al	extral	extractable_aluminum	Float	Real	no		2	0	150	cmol(+)/kg	yes	
59	Oxalate Al	aloxalatemeasured	aluminum_oxalate_meas	Float	Real	no		2	0	100	percent	yes	
60	Total Al	altotal	aluminum_total	Integer	Int	no			0		mg/kg	yes	
61	Mechlich 3 Phos	pmehlich3	phosphorus_mehlich3	Float	Real	no		1	0		mg/kg	yes	
62	Water Soluble Phos	ph2osolublemeasured	phosphorus_water_soluble_meas	Float	Real	no		1	0		mg/kg	yes	
63	Oxalate Phos	poxalatemeasured	phosphorus_oxalate_meas	Float	Real	no		1	0		mg/kg	yes	
64	Olsen Phos Measured	polsenmeasured	phosphorus_olsen_meas	Float	Real	no		1	0		mg/kg	yes	
65	Total Phos	ptotalmeasured	phosphorus_total_meas	Float	Real	no		1	0	1000000	mg/kg	yes	
66	NZ Phos Retention	nzpretention	nz_phosphorus_retention	Float	Real	no		1	0	100	percent	yes	
67	Bulk Density One Third Bar H2O	dbthirdbar	bulk_density_one_third_bar	Float	Real	no		2	.02	2.6	g/cm3	yes	
68	Bulk Density Oven Dry	dbovendry	bulk_density_oven_dry	Float	Float	no		2	.02	2.6	g/cm3	yes	
69	Aggregate Stab Pct	aggstabpct	aggregate_stability_pct	Integer	Smallint	no			0	100	percent	yes	
70	H2O tenth bar clod	wtenthbarclod	water_tenth_bar_clod	Float	Real	no		1	0		percent	yes	
71	H2O tenth bar sieve	wtenthbarsieve	water_tenth_bar_sieve	Float	Real	no		1	0		percent	yes	
72	H2O third bar clod	wthirdbarclod	water_third_bar_clod	Float	Real	no		1	0		percent	yes	
73	H2O third bar sieve	wthirdbarsieve	water_third_bar_sieve	Float	Real	no		1	0		percent	yes	
74	H2O 15 bar	wfifteenbarmeasured	water_15_bar_meas	Float	Real	no		1	0		percent	yes	
75	Water Retention Diff ws	wretentiondiffws	water_retention_diff_ws	Float	Real	no		2	0		cm/cm	yes	
76	H2O 15 bar to clay ratio	wfifteenbartoclay	water_15_bar_to_clay_ratio	Float	Real	no		2	0			yes	
77	ADOD ratio	adod	adod	Float	Real	no		3	1			yes	
78	LEP	lep	linear_extensibility_percent	Float	Real	no		1	0	30	percent	yes	
79	COLE	cole	coeff_linear_extensibility	Float	Real	no		2	0	0.3	cm/cm	yes	
80	LL Measured	liquidlimitmeasured	liquid_limit_measured	Float	Real	no		1	0	400	percent	yes	
81	PI	pi	plasticity_index	Float	Real	no			0	130	percent	yes	
82	Total Vol of Fragments GT 2 mm	totalfragvolgt2mm	total_frag_vol_gt_2_mm	Integer	Int	no			0	100	percent	yes	
83	Record When Last Updated	recwlastupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
84	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
85	Rec ID	ncsslayerlabdataiid	ncss_layer_lab_data_iid	Integer	Int	yes						yes	

This table stores information about layers or horizons of a pedon that has had samples submitted to the SSL at the National Soil Survey Center or one of the various laboratories at NCSS cooperating universities. Data is periodically transferred from the SSL database to this table.

NASIS 7.4.2 Tables and Columns

Table Physical Name: ncsspeldonlabdata

Table Label: NCSS Pedon Lab Data

Table Logical Name: ncsspeldon_lab_data

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lab Pedon Nmbr	pedlabsampnum	pedon_lab_sample_number	String	Varchar	yes	12					yes	
2	Correlated Pedon	peiidref	pedon_iid_ref	Integer	Int	yes						yes	
3	PSC Top Depth	psctopdepth	part_size_cntrl_depth_to_top	Integer	Int	no			0	999	cm	yes	
4	PSC Bottom Depth	pscbotdepth	part_size_cntrl_depth_to_bot	Integer	Int	no			0	999	cm	yes	
5	Noncarb Clay Pct wt avg	noncarbclaywtavg	noncarb_clay_wt_avg	Float	Real	no		1	0	100	percent	yes	
6	Clay Total Pct wt avg	claytotwtavg	clay_tot_wt_avg	Float	Real	no		1	0	100	percent	yes	
7	LE 0 to 100 cm	le0to100	linear_extensibility_0_to_100	Float	Real	no		2	0	100	cm	yes	
8	Wt Fraction 0.1 to 75 mm wt avg	wf0175wtavgpsc	wt_fract_0175_wt_avg_psc	Float	Real	no		1	0	100	percent	yes	
9	Vol Fraction GT 2 mm wt avg	volfractgt2wtavg	vol_fract_gt_2_wt_avg	Float	Real	no		1	0	100	percent	yes	
10	CEC 7 to Clay Ratio wt avg	cec7clayratiowtavg	cec7_clay_ratio_wt_avg	Float	Real	no		2	0			yes	
11	Data Sheet URL	labdatasheeturl	lab_data_sheet_url	Hyperlink	Varchar	no	254					yes	
12	NCSS Pedon NASIS Site	ncsspeditidref	ncsspeldon_database_iid_ref	Integer	Int	yes						yes	
13	NASIS Group	grpitiidref	group_iid_ref	Integer	Int	yes						yes	
14	Object Last Updated	objwltupdated	object_when_last_updated	Date/Time	Datetime	no						yes	
15	Object Last Updated By	objuseriidref	object_user_iid_ref	Integer	Int	no						yes	
16	Record When Last Updated	recwltupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
17	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
18	Rec ID	ncsspeldonlabdataiid	ncsspeldon_lab_data_iid	Integer	Int	yes						yes	

This table stores information about the pedon that has had samples submitted to the SSL at the National Soil Survey Center or one of the various laboratories at NCSS cooperating universities. Data is periodically transferred from the SSL database to this table. Analytical results for layers or horizons within a pedon are stored in the NCSS Layer Lab Data table, which is a child of this table.

NASIS 7.4.2 Tables and Columns

Table Physical Name: nestedfreqquadratdetails

Table Label: Nested Frequency Quadrat Details

Table Logical Name: nested_freq_quadrat_details

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	vegtransplantsummiidref	veg_trans_plant_summ_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Quadrat Nmbr	quadratnumber	quadrat_number	Integer	Int	yes			1	999		yes	
4	Transect Point Location	transectpointlocation	transect_point_location	Float	Real	no		1	0	1000	feet	yes	
5	Smallest Quadrat In	smallestquadratin	smallest_subquadrat_in	Integer	Int	yes			1	4		yes	
6	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
7	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
8	Rec ID	nestedfreqquaddetailsiid	nested_freq_quad_details_iid	Integer	Int	yes						yes	

This table contains data from individual quadrats along a transect collected using the Nested Frequency protocol as part of a vegetation inventory.

NASIS 7.4.2 Tables and Columns

Table Physical Name: nestedfrequencysummary

Table Label: Nested Frequency Summary

Table Logical Name: nested_frequency_summary

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	vegtransplantsummiidref	veg_trans_plant_summ_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Subquadrat Nmbr	subquadratnumber	subquadrat_number	Integer	Int	yes			1	4		yes	
4	Subquadrat Size	subquadratsize	subquadrat_size	Integer	Int	yes			1	50	inches	yes	
5	Nmbr of Subquadrat Hits	subquadrathitcount	subquadrat_hit_count	Integer	Int	no			1	100		yes	
6	Species Frequency	subquadratspeciesfreq	subquadrat_species_frequency	Integer	Smallint	no			0	100	percent	yes	
7	Record When Last Updated	recwlastupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
8	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
9	Rec ID	nestedfreqsummaryiid	nested_freq_summary_iid	Integer	Int	yes						yes	

This table contains summary data collected using the Nested Frequency protocol as part of a vegetation inventory.

NASIS 7.4.2 Tables and Columns

Table Physical Name: organicmaterialsadded

Table Label: Organic Materials Added

Table Logical Name: organic_materials_added

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	croppingpracticesiidref	cropping_practices_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	Organic Materail Added	organicmaterialadded	organic_material_added	Choice	Smallint	no						no	organic_material_added
4	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
5	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						no	
6	Rec ID	organicmaterialaddediid	organic_material_added_iid	Integer	Int	yes						no	

Select the type of organic material added to the site: Domain = organic_material_added.

NASIS 7.4.2 Tables and Columns

Table Physical Name: osdpedon

Table Label: OSD Pedon

Table Logical Name: osd_pedon

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	osdsitepedonidref	osd_site_pedon_id_ref	Integer	Int	yes						no	
2	User Pedon ID	osdupedonid	osd_user_pedon_id	String	Varchar	yes	60					no	
3	Lab Source ID	osdlabsourceid	osd_laboratory_source_id	String	Varchar	no	13					no	
4	Describer Name	descname	describers_name	String	Varchar	no	150					no	
5	Taxon Name	osdtaxonname	osd_taxon_name	String	Varchar	no	60					no	
6	Local Phase	osdlocalphase	osd_local_phase	String	Varchar	no	40					no	
7	Taxonomic Class	osdtaxclname	osd_taxonomic_class_name	String	Varchar	no	120					no	
8	Kind	osdtaxonkind	osd_taxon_kind	Choice	Smallint	no						no	component_kind
9	Pedon Type	pedontype	pedon_type	Choice	Smallint	no						no	pedon_type
10	Description Purpose	pedonpurpose	pedon_desc_purpose	Choice	Smallint	no						no	pedon_purpose
11	Pedon Record Origin	pedrecorigin	pedon_record_origin	String	Varchar	no	60					no	
12	Certified Lab Pedon Description Indicator	osdlabdatadescflag	osd_lab_data_description_flag	Boolean	Bit	yes						no	
13	Erosion Class	osderocl	osd_erosion_class	Choice	Smallint	no						no	erosion_class
14	Lab Pedon Sample Number	osdpedlabsampnum	osd_ped_lab_sample_number	String	Varchar	no	12					no	
15	Range Veg Canopy Type Dominant	osdrngvegcanopytypedom	osd_range_veg_canopy_type_dom	Choice	Smallint	no						no	vegetation_canopy_type
16	Pedoderm Class	osdpedodermclass	osd_pedoderm_class	Choice	Smallint	no						no	pedoderm_class
17	Pedoderm Loose Cover Indicator	osdpedodermcovind	osd_pedoderm_loose_cov_ind	Boolean	Bit	yes						no	
18	Biol Crust Type Dominant	osdbiolcrusttypedom	osd_biological_crust_type_dom	Choice	Smallint	no						no	biological_crust_type
19	Biol Crust Type Secondary	osdbiolcrusttypesecond	osd_biological_crust_type_sec	Choice	Smallint	no						no	biological_crust_type
20	Physical Crust Subtype	osdphyscrustsubtype	osd_physical_crust_subtype	Choice	Smallint	no						no	physical_crust_subtype
21	Range Veg Canopy Type Secondary	osdrngvegcanopytypesec	osd_range_veg_canopy_type_sec	Choice	Smallint	no						no	vegetation_canopy_type
22	Forest Overstory Veg Type	osdforestoverstoryvegtype	osd_forest_overstory_veg_type	Choice	Smallint	no						no	vegetation_canopy_type
23	Crust Development Class	osdcrustdevcl	osd_crust_development_class	Choice	Smallint	no						no	crust_development_class
24	Forest Groundcover Veg Type Dominant	osdforestgroundcovvegtypedom	osd_forest_grndcov_vegtype_dom	Choice	Smallint	no						no	vegetation_canopy_type
25	Forest Understory Veg Type	osdforestunderstoryvegtype	osd_forest_understory_veg_type	Choice	Smallint	no						no	vegetation_canopy_type
26	Forest Groundcover Veg Type Secondary	osdforestgroundcovvegtypesec	osd_forest_grndcov_vegtype_sec	Choice	Smallint	no						no	vegetation_canopy_type
27	Agronomic Feature	osdagronomicfeature	osd_agronomic_feature	Choice	Smallint	no						no	agronomic_feature
28	Current Crop Name	osdcurrentcropname	osd_current_crop_name	Choice	Smallint	no						no	crop_name
29	Other Feature Description	osdothfeaturedescription	osd_other_feature_description	String	Varchar	no	100					no	
30	Quality Control Status	osdqcastatus	osd_quality_control_status	Choice	Smallint	no						no	qc_qa_status
31	Litter Cover Pct	osdlittercoverpct	osd_litter_cover_percent	Integer	Smallint	no			0	100	percent	no	
32	Litter Cover Pct Range	osdlittercoverpctrng	osd_litter_cover_pct_range	Integer	Smallint	no			0	100	percent	no	
33	Residue Description	osdresiduedescription	osd_residue_description	String	Varchar	no	256					no	
34	Pedon Hydric Rating	osdpedonhydricrating	osd_pedon_hydric_rating	Boolean	Bit	yes						no	
35	Quality Assurance Status	osdqastatus	osd_quality_assurance_status	Choice	Smallint	no						no	qc_qa_status
36	SAS Core Length	osdsascorelength	osd_sas_core_length	Float	Real	no		1			cm	no	
37	SAS Core Settlement	osdsascoresettlement	osd_sas_core_settlement	Float	Real	no		1			cm	no	
38	SAS Core Storage Site	osdsascorestoragesite	osd_sas_core_storage_site	String	Varchar	no	30					no	
39	SAS Exposure Begin	osdsasexposurebegin	osd_sas_exposure_begin	Date/Time	Datetime	no						no	
40	SAS Exposure End	osdsasexposureend	osd_sas_exposure_end	Date/Time	Datetime	no						no	
41	SAS Pipe Length External	osdsaspiplengthext	osd_sas_pipe_length_external	Float	Real	no		1			cm	no	
42	SAS Pipe Length Total	osdsaspiplengthtot	osd_sas_pipe_length_total	Float	Real	no		1			cm	no	
43	SAS Pipe Length Unfilled	osdsaspiplengthunfilled	osd_sas_pipe_length_unfilled	Float	Real	no		1			cm	no	
44	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
45	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						no	
46	Rec ID	osdpeiid	osd_pedon_iid	Integer	Int	yes						no	

The Pedon table contains information collected at the time a soil profile description is made. It has data that relates to the profile as a whole.

NASIS 7.4.2 Tables and Columns

Table Physical Name: osdpedondiagfeatrefecmdoc

Table Label: OSD Pedon Diagnostic Features Reference ECM Documents

Table Logical Name: osd_pedon_diag_feat_refecm_doc

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	osdpediagfeatidref	osd_pedon_diag_feat_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	ECM Document Type	ecmdoctype	ecm_document_type	Choice	Smallint	no						no	document_kind
4	ECM Document Name	ecmdocname	ecm_document_name	String	Varchar	no	255					no	
5	ECM Document URL	ecmdockeyurl	ecm_document_key_url	Hyperlink	Varchar	no	138					no	
6	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	yes						no	
7	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						no	
8	Rec ID	osdpedondiagfeatrefecmdociid	osd_ped_diagfeat_rfcemdoc_iid	Integer	Int	yes						no	

This table contains hyperlink(s) to document(s) stored in the Enterprise Content Management (ECM) system that are additional documentation of the pedon. A separate row is entered for each document stored in the ECM. The kinds of documents that can be stored are: Audio, images, diagrams, powerpoint presentations, spreadsheets, text (plain text or other word processing program), PDF, and video.

NASIS 7.4.2 Tables and Columns

Table Physical Name: osdpedondiagfeatures

Table Label: OSD Pedon Diagnostic Features

Table Logical Name: osd_pedon_diagnostic_features

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	osdpeiidref	osd_pedon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	Diagnostic Feature Depth to Top	osdfeatdept	osd_diag_horz_feat_top_dep	Integer	Smallint	yes			0	9999	cm	no	
4	Diagnostic Feature Depth to Top Range	osddiaghfeatdeptotprng	osd_diag_hz_feat_dp_to_t_range	Integer	Int	no			0	9999	cm	no	
5	Diagnostic Feature Depth to Bottom	osdfeatdepb	osd_diag_horz_feat_depth_to_b	Integer	Int	no			0	9999	cm	no	
6	Diagnostic Feature Depth to Bottom Range	osddiaghfeatdeptotprng	osd_diag_hz_feat_dp_to_b_range	Integer	Int	no			0	9999	cm	no	
7	Thickness	osdfeatthick	osd_diag_horz_feat_thickness	Integer	Int	no			0	9999	cm	no	
8	Thickness Range	osddiaghfeatthicknessrng	osd_diag_hz_thickness_range	Integer	Int	no			0	9999	cm	no	
9	Kind	osdfeatkind	osd_diag_horz_feat_kind	Choice	Smallint	no						no	diag_horz_feat_kind
10	Record When Last Updated	recwlpupdated	record_when_last_updated	Date/Time	Datetime	no						no	
11	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						no	
12	Rec ID	osdpediagfeatiid	osd_ped_diagnostic_feat_iid	Integer	Int	yes						no	

The Pedon Diagnostic Features table lists elements that describe individual diagnostic horizons and features, as defined in Soil Taxonomy, for the pedon being described. The rows in this table, as a group, describe the situation for this pedon.

NASIS 7.4.2 Tables and Columns

Table Physical Name: osdpedonrefecmdoc

Table Label: OSD Pedon Reference ECM Documents

Table Logical Name: osd_pedon_ref_ecm_doc

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	osdpeiidref	osd_pedon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	ECM Document Type	ecmdoctype	ecm_document_type	Choice	Smallint	no						no	document_kind
4	ECM Document Name	ecmdocname	ecm_document_name	String	Varchar	no	255					no	
5	ECM Document URL	ecmdockeyurl	ecm_document_key_url	Hyperlink	Varchar	no	138					no	
6	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
7	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						no	
8	Rec ID	osdpedonecmdociid	osd_ped_ecm_doc_iid	Integer	Int	yes						no	

This table contains hyperlink(s) to document(s) stored in the Enterprise Content Management (ECM) system that are additional documentation of the pedon. A separate row is entered for each document stored in the ECM. The kinds of documents that can be stored are: Audio, images, diagrams, powerpoint presentations, spreadsheets, text (plain text or other word processing program), PDF, and video.

NASIS 7.4.2 Tables and Columns

Table Physical Name: osdpedonrestrictions

Table Label: OSD Pedon Restrictions

Table Logical Name: osd_pedon_restrictions

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	osdpeiidref	osd_pedon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	Top Depth	osdresdept	osd_restriction_depth_to_top	Integer	Int	no			0	9999	cm	no	
4	Top Depth Range	osdrestrictdeptotoprng	osd_restrict_dep_to_top_range	Integer	Int	no			0	9999	cm	no	
5	Restriction Depth to Bottom	osdresdeptb	osd_restriction_depth_to_bot	Integer	Int	no			0	9999	cm	no	
6	Restriction Bottom Depth Range	osdrestrictdeptobotrng	osd_restrict_dep_to_bot_range	Integer	Int	no			0	9999	cm	no	
7	Thickness	osdresthk	osd_restriction_thickness	Integer	Int	no			0	999	cm	no	
8	Thickness Range	osdrestrictthicknessrng	osd_restrict_thickness_range	Integer	Int	no			0	9999	cm	no	
9	Kind	osdreskind	osd_restriction_kind	Choice	Smallint	no						no	restriction_kind
10	Hardness	osdreshard	osd_restriction_hardness	Choice	Smallint	no						no	rupture_resist_block_cem
11	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
12	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						no	
13	Rec ID	osdperrestrictiid	osd_ped_restrictions_iid	Integer	Int	yes						no	

The Pedon Restrictions table lists the root restrictive features or layers for this pedon. If the thickness of the restrictive layer is greater than zero (low=5, RV=8, high=10), the restrictive layer exists throughout the pedon. If the thickness of the restrictive layer includes zero (low=0, RV=2, high=5), this restrictive layer may exist in parts of the pedon, but not in others. This table will be empty if the pedon does not have any restrictive features, but could have several rows if several restrictive layers occur in the soil.

NASIS 7.4.2 Tables and Columns

Table Physical Name: osdpedonrestrictionsrefecmdoc

Table Label: OSD Pedon Restrictions Reference ECM Documents

Table Logical Name: osd_pedon_restrics_ref_ecm_doc

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	osdperrestrictionsiidref	osd_pedon_restrictions_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	ECM Document Type	ecmdoctype	ecm_document_type	Choice	Smallint	no						no	document_kind
4	ECM Document Name	ecmdocname	ecm_document_name	String	Varchar	no	255					no	
5	ECM Document URL	ecmdockeyurl	ecm_document_key_url	Hyperlink	Varchar	no	138					no	
6	Record When Last Updated	recwlastupdated	record_when_last_updated	Date/Time	Datetime	no						no	
7	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						no	
8	Rec ID	osdperrestrictrefecmdociid	osd_perrestrict_ref_ecm_doc_iid	Integer	Int	yes						no	

This table holds documents that serve as additional documentation of the pedon restrictions table.

NASIS 7.4.2 Tables and Columns

Table Physical Name: osdpedontaxhistfmmin

Table Label: OSD Pedon Taxonomic History Family Mineralogy

Table Logical Name: osd_pedon_tax_hist_fam_mineral

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	osdpedtaxhistoryiidref	osd_ped_tax_history_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	Vertical Order	osdminorder	osd_mineralogy_order	Integer	Smallint	yes						no	
4	Taxonomic Family Mineralogy	osdtaxminalogy	osd_taxonomic_fam_mineralogy	Choice	Smallint	yes						no	taxonomic_family_mineralogy
5	Record When Last Updated	recwlastupdated	record_when_last_updated	Date/Time	Datetime	no						no	
6	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						no	
7	Rec ID	osdpedtaxhistfamminiid	osd_ped_tax_hist_fam_min_iid	Integer	Int	yes						no	

The Pedon Taxonomic History Family Mineralogy table lists the mineralogy characteristics that apply to this pedon. The characteristics listed in this table, as a group, describe the representative situation for this pedon.

NASIS 7.4.2 Tables and Columns

Table Physical Name: osdpedontaxhistmoistcl

Table Label: OSD Pedon Taxonomic History Moisture Class

Table Logical Name: osd_pedon_tax_hist_moist_class

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	osdpedtaxhistoryiidref	osd_ped_tax_history_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	Taxonomic Moisture Class	osdtaxmoistcl	osd_taxonomic_moisture_class	Choice	Smallint	yes						no	taxonomic_moisture_class
4	Record When Last Updated	recwlastupdated	record_when_last_updated	Date/Time	Datetime	no						no	
5	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						no	
6	Rec ID	osdpedtaxhistmoistcliid	osd_ped_tax_hist_moist_cl_iid	Integer	Int	yes						no	

The Pedon Taxonomic History Moisture Class table provides clear identification of the intended taxonomic moisture class, 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 pedon.

NASIS 7.4.2 Tables and Columns

Table Physical Name: osdpedontaxhistory

Table Label: OSD Pedon Taxonomic History

Table Logical Name: osd_pedon_tax_history

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	osdpeiidref	osd_pedon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	Classification Date	osdclassificationdate	osd_classification_date	Date/Time	Datetime	yes						no	
4	Classification Type	osdclassificationtype	osd_classification_type	Choice	Smallint	no						no	classification_type
5	Classifier	classifier	classifier	String	Varchar	no	60					no	
6	Taxon Name	osdtaxonname	osd_taxon_name	String	Varchar	yes	60					no	
7	Local Phase	osdlocalphase	osd_local_phase	String	Varchar	no	40					no	
8	Kind	osdtaxonkind	osd_taxon_kind	Choice	Smallint	no						no	component_kind
9	Series Status	osdseriesstatus	osd_series_status	Choice	Smallint	no						no	series_status
10	Taxonomic Class Name	osdtaxclname	osd_taxonomic_class_name	String	Varchar	no	120					no	
11	Taxonomic Order	osdtaxorder	osd_taxonomic_order	Choice	Smallint	no						no	taxonomic_order
12	Taxonomic Suborder	osdtaxsuborder	osd_taxonomic_suborder	Choice	Smallint	no						no	taxonomic_suborder
13	Taxonomic Great Group	osdtaxgrtgroup	osd_taxonomic_great_group	Choice	Smallint	no						no	taxonomic_great_group
14	Taxonomic Subgroup	osdtaxsubgroup	osd_taxonomic_subgroup	Choice	Smallint	no						no	taxonomic_subgroup
15	Taxonomic Family Particle Size	osdtaxfamparticlesize	osd_taxonomic_fam_particle_sz	Choice	Smallint	no						no	taxonomic_family_particle_size
16	Taxonomic Family Particle Size Modifier	osdtaxfampartsmod	osd_taxonomic_fam_part_sz_mod	Choice	Smallint	no						no	taxonomic_family_part_size_mod
17	Taxonomic Family CEC Activity Class	osdtaxfamceactclass	osd_taxonomi_fam_c_e_act_cl	Choice	Smallint	no						no	taxonomic_family_c_e_act_class
18	Taxonomic Family Reaction	osdtaxfamreaction	osd_taxonomic_fam_reaction	Choice	Smallint	no						no	taxonomic_family_reaction
19	Taxonomic Temperature Regime	osdtaxtempregime	osd_taxonomic_temp_regime	Choice	Smallint	no						no	taxonomic_temp_regime
20	Taxonomic Family Temperature Class	osdtaxfamtempcl	osd_taxonomic_fam_temp_class	Choice	Smallint	no						no	taxonomic_family_temp_class
21	Taxonomic Moisture Subclass	osdtaxmoistsubl	osd_taxonomic_moist_subclass	Choice	Smallint	no						no	taxonomic_moisture_subclass
22	HAHT Material Class	osdtaxfamhahatmatcl	osd_taxonomic_fam_haht_mat_cl	Choice	Smallint	no						no	taxonomic_family_haht_mat_class
23	PSC Section Top Depth	osdpsctodepth	osd_part_sz_cntrl_depth_to_top	Integer	Smallint	no			0	999	cm	no	
24	PSC Section Bottom Depth	osdpscbotdepth	osd_part_sz_cntrl_depth_to_bot	Integer	Smallint	no			0	999	cm	no	
25	Type Location Flag	osdtypelocflag	osd_type_location_flag	Boolean	Bit	yes						no	
26	Keys to Taxonomy Edition	osdtaxedition	osd_soil_taxonomy_edition	Choice	Smallint	no						no	soil_taxonomy_edition
27	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
28	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						no	
29	Rec ID	osdpedtaxhistoryiid	osd_ped_tax_history_iid	Integer	Int	yes						no	

This table records the taxonomic classification history of a pedon record from the time it is first described and classified in the field and throughout the life of the data record.

NASIS 7.4.2 Tables and Columns

Table Physical Name: osdpedontext

Table Label: OSD Pedon Text

Table Logical Name: osd_pedon_text

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	osdpeiidref	osd_pedon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	Record Date	recdate	record_date	Date/Time	Datetime	no						no	
4	Author	recauthor	record_author	String	Varchar	no	25					no	
5	Kind	pedontextkind	pedon_text_kind	Choice	Smallint	no						no	pedon_text_kind
6	Category	textcat	text_category	String	Varchar	no	20					no	
7	Subcategory	textsubcat	text_subcategory	String	Varchar	no	20					no	
8	Text Entry	textentry	text_entry	Narrative Text	Varchar(max)	no						no	
9	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
10	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						no	
11	Rec ID	osdpedtextiid	osd_ped_text_iid	Integer	Int	yes						no	

The Pedon Text table contains notes and narrative descriptions for this pedon as a whole that can not be described using existing data elements in other tables. In many cases, the table will be empty. Notes that apply to a specific soil horizon should be entered in the Pedon Horizon Text table.

NASIS 7.4.2 Tables and Columns

Table Physical Name: osdpedontxhistfmother

Table Label: OSD Pedon Taxonomic History Family Other Criteria

Table Logical Name: osd_pedon_tax_hist_fam_other

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	osdpedtaxhistoryiidref	osd_ped_tax_history_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	Taxonomic Family Other	osdtaxfamother	osd_taxonomic_family_other	Choice	Smallint	yes						no	taxonomic_family_other
4	Record When Last Updated	recwlastupdated	record_when_last_updated	Date/Time	Datetime	no						no	
5	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						no	
6	Rec ID	osdpedtaxhistfamotheriid	osd_ped_tax_hist_fam_other_iid	Integer	Int	yes						no	

The Pedon Taxonomic History Family Other Criteria table lists the other taxonomic characteristics, such as classes of coatings or permanent cracks, that apply to the pedon. The characteristics listed in this table, as a group, describe the representative situation for this pedon.

NASIS 7.4.2 Tables and Columns

Table Physical Name: osdpehydicfieldindicator

Table Label: OSD Pedon Hydric Field Indicator

Table Logical Name: osd_pedon_hydric_field_indic

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	osdpeiidref	osd_pedon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	Hydric Field Indicator	osdhydricsoilfieldindicator	osd_hydric_soil_field_indicatr	Choice	Smallint	yes						no	hydric_soil_indicator
4	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
5	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						no	
6	Rec ID	osdpehydicfieldindiid	osd_ped_hydric_field_ind_iid	Integer	Int	yes						no	

This table records the hydric field indicator(s) present at this location.

NASIS 7.4.2 Tables and Columns

Table Physical Name: osdphcemagent

Table Label: OSD Pedon Horizon Cementing Agent

Table Logical Name: osd_phorizon_cement_agent

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	osdphiidref	osd_phorizon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	Cementing Agent	osdruprescem	osd_rupture_resist_cem_agent	Choice	Smallint	no						no	rupture_resist_cem_agent
4	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
5	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						no	
6	Rec ID	osdphcemagentiid	osd_phor_cement_agent_iid	Integer	Int	yes						no	

The Pedon Horizon Cementing Agent table describes the chemical compound(s) that act as binding agents in cemented horizons.

NASIS 7.4.2 Tables and Columns

Table Physical Name: osdphcolor

Table Label: OSD Pedon Horizon Color

Table Logical Name: osd_phorizon_color

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	osdphiidref	osd_phorizon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	Color Pct	osdcolorpct	osd_color_percent	Integer	Int	no			1	100	percent	no	
4	Color Pct Range	osdcolorpctrng	osd_color_percent_range	Integer	Smallint	no			0	100	percent	no	
5	Hue	osdcolorhue	osd_color_hue	Choice	Smallint	no						no	color_hue
6	Value	osdcolorvalue	osd_color_value	Choice	Smallint	no						no	color_value
7	Chroma	osdcolorchroma	osd_color_chroma	Choice	Smallint	no						no	color_chroma
8	Color Physical State	osdcolorphysst	osd_color_physical_state	Choice	Smallint	no						no	color_physical_state
9	Moisture State	osdcolormoistst	osd_color_moisture_state	Choice	Smallint	no						no	color_moisture_status
10	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
11	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						no	
12	Rec ID	osdphcoloriid	osd_phor_color_iid	Integer	Int	yes						no	

The Pedon Horizon Color table describes the Munsell color of the soil matrix of each horizon described. Colors of other features are recorded in other tables used to describe those features.

NASIS 7.4.2 Tables and Columns

Table Physical Name: osdphconccolor

Table Label: OSD Pedon Horizon Concentrations Color

Table Logical Name: osd_phorizon_conc_color

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	osdphconceiidref	osd_phor_concen_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	Concentration Color Percent	osdcolorpct	osd_color_percent	Integer	Int	no			1	100	percent	no	
4	Color Pct Range	osdcolorpctrng	osd_color_percent_range	Integer	Smallint	no			0	100	percent	no	
5	Hue	osdcolorhue	osd_color_hue	Choice	Smallint	no						no	color_hue
6	Value	osdcolorvalue	osd_color_value	Choice	Smallint	no						no	color_value
7	Chroma	osdcolorchroma	osd_color_chroma	Choice	Smallint	no						no	color_chroma
8	Moisture State	osdcolormoistst	osd_color_moisture_state	Choice	Smallint	no						no	color_moisture_status
9	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
10	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						no	
11	Rec ID	osdphconccoloriid	osd_phor_conc_color_iid	Integer	Int	yes						no	

The Pedon Horizon Concentrations Color table describes the Munsell color(s) of an individual concentration described in the Pedon Horizon Concentrations table.

NASIS 7.4.2 Tables and Columns

Table Physical Name: osdphconcs

Table Label: OSD Pedon Horizon Concentrations

Table Logical Name: osd_phorizon_concentrations

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	osdphiidref	osd_phorizon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	Concentration Pct	osdconcpct	osd_concentration_percent	Integer	Smallint	no			1	100	percent	no	
4	Concentration Pct Range	osdconcentrationpctrng	osd_concentration_pct_range	Integer	Smallint	no			0	100	percent	no	
5	Concentration Size	osdconcsz	osd_concentration_size	Choice	Smallint	no						no	concen_rmf_mottle_size
6	Contrast	osdconcntrst	osd_concentration_contrast	Choice	Smallint	no						no	concen_rmf_mottle_contrast
7	Hardness	osdconchardness	osd_concentration_hardness	Choice	Smallint	no						no	concen_redox_hardness
8	Shape	osdconcsshape	osd_concentration_shape	Choice	Smallint	no						no	concen_rmf_mottle_shape
9	Kind	osdconckind	osd_concentration_kind	Choice	Smallint	no						no	concentration_kind
10	Location	osdconcllocation	osd_concentration_location	Choice	Smallint	no						no	concen_redox_location
11	Boundary	osdconcboundary	osd_concentration_boundary	Choice	Smallint	no						no	concen_redox_boundary
12	Record When Last Updated	recwlastupdated	record_when_last_updated	Date/Time	Datetime	no						no	
13	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						no	
14	Rec ID	osdphconconiid	osd_phor_concentrations_iid	Integer	Int	yes						no	

The Pedon Horizon Concentration table describes accumulations of material (both pedogenic and non-pedogenic) that are identified in each soil profile horizon at the time of description. They may be chemical or biological in nature. Multiple rows may be entered to describe different combinations of size, composition, shape, hardness, etc.

NASIS 7.4.2 Tables and Columns

Table Physical Name: osdphcracks

Table Label: OSD Pedon Horizon Cracks

Table Logical Name: osd_phorizon_cracks

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	osdphiidref	osd_phorizon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	Crack Frequency	osdcrackfreq	osd_crack_frequency	Integer	Smallint	no			1		count/m	no	
4	Kind	osdcrackkind	osd_crack_kind	Choice	Smallint	no						no	crack_kind
5	Crack Depth	osdcrackdepth	osd_crack_depth	Float	Real	no		1	0.1		cm	no	
6	Crack Depth Range	osdcrackdepthrng	osd_crack_depth_range	Float	Real	no		1	0	9999	cm	no	
7	Crack Width	osdcrackwidth	osd_crack_width	Float	Real	no		1	0.1		cm	no	
8	Crack Extends Above	osdcrackextabove	osd_crack_extend_above	Boolean	Bit	yes						no	
9	Crack Extends Below	osdcrackextbelow	osd_crack_extend_below	Boolean	Bit	yes						no	
10	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
11	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						no	
12	Rec ID	osdphcracksiid	osd_phor_cracks_iid	Integer	Int	yes						no	

The Pedon Horizon Cracks table describes cracks found in a particular soil horizon at the time of description.

NASIS 7.4.2 Tables and Columns

Table Physical Name: osdphdesgnsuffix

Table Label: OSD Pedon Horizon Designation Suffix

Table Logical Name: osd_phorizon_desgn_suffix

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	osdphiidref	osd_phorizon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	Suffix	osdhorzdesignlettersuffix	osd_horz_desgn_letter_suffix	Choice	Smallint	no						no	horz_desgn_letter_suffix
4	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
5	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						no	
6	Rec ID	osdphordesgnsuffixiid	osd_phor_desgn_suffix_iid	Integer	Int	yes						no	

The Pedon Horizon Designation Suffix table contains the suffixes, one per row, for each horizon. For example, the "h" and "s" of a Bhs horizon appear as two rows in this table. This table is similar to Horizon Designation Suffix found in the aggregated or component side of the database. This table specifically refers to point data.

NASIS 7.4.2 Tables and Columns

Table Physical Name: osdphfeatcolor

Table Label: OSD Pedon Horizon Features Color

Table Logical Name: osd_phorizon_features_color

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	osdphfeatsiidref	osd_phor_features_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	Color Pct	osdcolorpct	osd_color_percent	Integer	Int	no			1	100	percent	no	
4	Color Pct Range	osdcolorpctrng	osd_color_percent_range	Integer	Smallint	no			0	100	percent	no	
5	Hue	osdcolorhue	osd_color_hue	Choice	Smallint	no						no	color_hue
6	Value	osdcolorvalue	osd_color_value	Choice	Smallint	no						no	color_value
7	Chroma	osdcolorchroma	osd_color_chroma	Choice	Smallint	no						no	color_chroma
8	Moisture State	osdcolormoistst	osd_color_moisture_state	Choice	Smallint	no						no	color_moisture_status
9	Record When Last Updated	recwlupdated	record_when_last_updated	Date/Time	Datetime	no						no	
10	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						no	
11	Rec ID	osdphfeatcoloriid	osd_phor_feat_color_iid	Integer	Int	yes						no	

The Pedon Horizon Feature Color table describes the Munsell color(s) of an individual feature described in the Pedon Horizon Features table.

NASIS 7.4.2 Tables and Columns

Table Physical Name: osdphfeatures

Table Label: OSD Pedon Horizon Features

Table Logical Name: osd_phorizon_features

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	osdphiidref	osd_phorizon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	Kind	osdhorfeatkind	osd_horizon_feature_kind	Choice	Smallint	no						no	horizon_feature_kind
4	Lateral Area Pct	osdhorfeatlapct	osd_horz_feat_lat_area_percent	Integer	Int	no			1	100	percent	no	
5	Lateral Area Pct Range	osdhorzfeatlatareapctrng	osd_hz_feat_lat_area_pct_range	Integer	Int	no			0	100	percent	no	
6	Total Volume Pct	osdhorfeatvtpct	osd_horz_feat_vol_total_pct	Integer	Int	no			1	100	percent	no	
7	Total Volume Pct Range	osdhorzfeatvolpctrng	osd_hz_feat_vol_tot_pct_range	Integer	Int	no			0	100	percent	no	
8	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
9	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						no	
10	Rec ID	osdphfeatsiid	osd_phor_features_iid	Integer	Int	yes						no	

The Pedon Horizon Features table describes special soil features found in a particular soil horizon at the time of description.

NASIS 7.4.2 Tables and Columns

Table Physical Name: osdphfrags

Table Label: OSD Pedon Horizon Fragments

Table Logical Name: osd_phorizon_fragments

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	osdphiidref	osd_phorizon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	Fragment Volume	osdfragvol	osd_fragment_volume	Float	Real	no		1	0	100	percent	no	
4	Fragment Total Volume Range	osdfragtotalvolumerng	osd_fragment_volume_range	Integer	Smallint	no			0	100	percent	no	
5	Fragment Weight	osdfragweight	osd_fragment_weight	Float	Real	no		1	0	100	percent	no	
6	Fragment Weight Range	osdfragwtrng	osd_fragment_weight_range	Integer	Int	no			0	100	percent	no	
7	Fragment Size	osdfragsize	osd_fragment_size	Integer	Smallint	no			2	3000	mm	no	
8	Kind	osdfragkind	osd_fragment_kind	Choice	Smallint	no						no	fragment_kind
9	Shape	osdfragshp	osd_fragment_shape	Choice	Smallint	no						no	fragment_shape
10	Roundness	osdfraground	osd_fragment_roundness	Choice	Smallint	no						no	fragment_roundness
11	Hardness	osdfraghard	osd_fragment_hardness	Choice	Smallint	no						no	rupture_resist_block_cem
12	Fragment Estimation Method	osdfragestmethod	osd_fragment_estimate_method	Choice	Smallint	no						no	fragment_estimate_method
13	Record When Last Updated	recwlastupdated	record_when_last_updated	Date/Time	Datetime	no						no	
14	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						no	
15	Rec ID	osdphfragsiid	osd_phor_fragments_iid	Integer	Int	yes						no	

The Horizon Fragments table lists the mineral and organic fragments included in the horizon shown in the Pedon Horizon table. The Volume % in a row, is the estimated average for the kind and size of fragment identified in that row.

NASIS 7.4.2 Tables and Columns

Table Physical Name: osdphhuartrefecmdoc

Table Label: OSD Pedon Horizon Human Artifacts Reference ECM Documents

Table Logical Name: osd_phor_huart_ref_ecm_doc

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	osdphhuartitiidref	osd_phor_hu_artifact_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	ECM Document Type	ecmdoctype	ecm_document_type	Choice	Smallint	no						no	document_kind
4	ECM Document Name	ecmdocname	ecm_document_name	String	Varchar	no	255					no	
5	ECM Document URL	ecmdockeyurl	ecm_document_key_url	Hyperlink	Varchar	no	138					no	
6	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
7	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						no	
8	Rec ID	osdphorhuartrefecmdociid	osd_phor_huart_ref_ecm_doc_iid	Integer	Int	yes						no	

This table contains hyperlink(s) to document(s) stored in the Enterprise Content Management (ECM) system that are additional documentation of the pedon. A separate row is entered for each document stored in the ECM. The kinds of documents that can be stored are: Audio, images, diagrams, powerpoint presentations, spreadsheets, text (plain text or other word processing program), PDF, and video.

NASIS 7.4.2 Tables and Columns

Table Physical Name: osdphhuarts

Table Label: OSD Pedon Horizon Human Artifacts

Table Logical Name: osd_phorizon_human_artifacts

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	osdphiidref	osd_phorizon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	uman Artifact Volume	osdhuartvol	osd_human_artifact_volume	Integer	Smallint	no			0	100	percent	no	
4	Human Artifact Volume Range	osdhumanartifactvolumerng	osd_human_artifact_vol_range	Integer	Smallint	no			0	100	percent	no	
5	Human Artifact Size	osdhuartsiz	osd_human_artifact_size	Integer	Smallint	no			2	3000	mm	no	
6	Human Artifact Size Range	osdhumanartifactsizerng	osd_human_artifact_size_range	Integer	Smallint	no			0	999	mm	no	
7	Human Artifact Volume Total	osdhuartvolumetotal	osd_human_artifact_vol_total	Integer	Smallint	no			0	100	percent	no	
8	Human Artifact Volume Total Range	osdhumanartifactvolumetotalrng	osd_huart_volume_total_range	Integer	Smallint	no			0	100	percent	no	
9	Kind	osdhuartkind	osd_human_artifact_kind	Choice	Smallint	no						no	human_artifact_kind
10	Cohesion	osdhuartco	osd_human_artifact_cohesion	Choice	Smallint	no						no	human_artifact_cohesion
11	Shape	osdhuartshp	osd_human_artifact_shape	Choice	Smallint	no						no	human_artifact_shape
12	Roundness	osdhuartrnd	osd_human_artifact_roundness	Choice	Smallint	no						no	fragment_roundness
13	Human Artifact Penetrability	osdhuartpen	osd_human_artifact_penetrat	Choice	Smallint	no						no	human_artifact_penetrability
14	Safety	osdhuartsafety	osd_human_artifact_safety	Choice	Smallint	no						no	human_artifact_safety
15	Human Artifact Persistence	osdhuartper	osd_human_artifact_persistence	Choice	Smallint	no						no	human_artifact_persistence
16	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
17	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						no	
18	Rec ID	osdphhuartiid	osd_phor_human_artifact_iid	Integer	Int	yes						no	

The Horizon Human Artifacts table lists the human created and/or modified objects included in the horizon shown in the Horizon table. These are objects or materials created (or modified) by humans for practical purposes related to activities such as manufacturing, construction, or waste disposal. Examples of artifacts include processed wood products, liquid petroleum products, coal combustion by-products, asphalt, fibers and fabrics, bricks, cinder blocks, concrete, plastic, glass, rubber, paper, cardboard, iron and steel, altered or manufactured metals and minerals, sanitary and medical waste, garbage and landfill waste.

NASIS 7.4.2 Tables and Columns

Table Physical Name: osdphmottles

Table Label: OSD Pedon Horizon Mottles

Table Logical Name: osd_phorizon_mottles

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	osdphiidref	osd_phorizon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	Pct	osdmottlepct	osd_mottle_percent	Integer	Int	no			1	100	percent	no	
4	Pct Range	osdmottlepctrng	osd_mottle_pct_range	Integer	Smallint	no			0	100	percent	no	
5	Size	osdmottlesize	osd_mottle_size	Choice	Smallint	no						no	concen_rmf_mottle_size
6	Hue	osdcolorhue	osd_color_hue	Choice	Smallint	no						no	color_hue
7	Value	osdcolorvalue	osd_color_value	Choice	Smallint	no						no	color_value
8	Chroma	osdcolorchroma	osd_color_chroma	Choice	Smallint	no						no	color_chroma
9	Contrast	osdmottlecntrst	osd_mottle_contrast	Choice	Smallint	no						no	concen_rmf_mottle_contrast
10	Shape	osdmottleshape	osd_mottle_shape	Choice	Smallint	no						no	concen_rmf_mottle_shape
11	State	osdcolormoistst	osd_color_moisture_state	Choice	Smallint	no						no	color_moisture_status
12	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
13	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						no	
14	Rec ID	osdphmottlesiid	osd_phor_mottles_iid	Integer	Int	yes						no	

The Pedon Horizon Mottles tables describes those color patterns found in soil horizons that are NOT associated with concentrations, redoximorphic features, or ped and void coatings. Mottles are now defined as being non-wetness related color separations. They are generally lithochromic or lithomorphc in nature.

NASIS 7.4.2 Tables and Columns

Table Physical Name: osdphorizon

Table Label: OSD Pedon Horizon

Table Logical Name: osd_phorizon

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	osdpeidref	osd_pedon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	Horizon Depth to Top	osdhzdept	osd_horizon_depth_to_top	Integer	Smallint	no			0	9999	cm	no	
4	Horizon Depth to Top Range	osdhzdepthtotoprng	osd_horz_depth_to_top_range	Integer	Smallint	no			0	9999	cm	no	
5	Horizon Depth to Bottom	osdhzdepb	osd_horizon_depth_to_bottom	Integer	Smallint	no			0	9999	cm	no	
6	Horizon Depth to Bottom Range	osdhzdepthtobottomrng	osd_horz_depth_to_bottom_range	Integer	Smallint	no			0	9999	cm	no	
7	Thickness	osdhzthk	osd_horizon_thickness	Integer	Smallint	no			0	9999	cm	no	
8	Thickness Range	osdhzthicknessrng	osd_horz_thickness_range	Integer	Smallint	no			0	9999	cm	no	
9	Observation Method	osdobsmethod	osd_observation_method	Choice	Smallint	no						no	observation_method
10	Horizon Designation	osdhzname	osd_horizon_designation	String	Varchar	no	12					no	
11	Disc.	osddesgndisc	osd_horz_desgn_discontinuity	Integer	Smallint	no			2	99		no	
12	Horizon Designation Master	osddesgnmaster	osd_horz_desgn_master	Choice	Smallint	no						no	horz_desgn_master
13	Horizon Designation Master Prime	osddesgnmasterprime	osd_horz_desgn_master_prime	Choice	Smallint	no						no	horz_desgn_master_prime
14	Horizon Desgn Vertical Subdvn	osddesgnvert	osd_horz_desgn_vertical_subdvn	Integer	Smallint	no			1			no	
15	Tex Mod and Class	osdtexture	osd_texture_modifier_and_class	String	Varchar	no	30					no	
16	Stratified Textures Flag	osdstratextsflag	osd_stratified_textures_flag	Boolean	Bit	yes						no	
17	Fragment Total Volume	osdfragvoltot	osd_fragment_volume_total	Integer	Smallint	no			0	100	percent	no	
18	Fragment Total Volume Range	osdfragtotalvolumerng	osd_fragment_volume_range	Integer	Smallint	no			0	100	percent	no	
19	Horizon Variegated Colors Indicator	osdhorcolorvflag	osd_horz_color_varigated_flag	Boolean	Bit	yes						no	
20	Observed Soil Moisture State	osdobssmoiststat	osd_observed_soil_moist_status	Choice	Smallint	no						no	observed_soil_moisture_status
21	Rupture Moist	osdrupresblkmoist	osd_rupture_resist_block_moist	Choice	Smallint	no						no	rupture_resist_block_moist
22	Rupture Dry	osdrupresblkdry	osd_rupture_resist_block_dry	Choice	Smallint	no						no	rupture_resist_block_dry
23	Rupture Cement	osdrupresblkcem	osd_rupture_resist_block_cem	Choice	Smallint	no						no	rupture_resist_block_cem
24	Rupture Plate	osdrupresplate	osd_rupture_resist_plate	Choice	Smallint	no						no	rupture_resist_plate
25	Manner of Failure	osdmannerfailure	osd_manner_of_failure	Choice	Smallint	no						no	manner_of_failure
26	Stickiness	osdstickiness	osd_stickiness	Choice	Smallint	no						no	stickiness
27	Plasticity	osdplasticity	osd_plasticity	Choice	Smallint	no						no	plasticity
28	Toughness Class	osdtoughclass	osd_toughness_class	Choice	Smallint	no						no	toughness_class
29	Penetration Resistance	osdpenetrres	osd_penetration_resistance	Choice	Smallint	no						no	penetration_resistance
30	Penetration Orientation	osdpenetorient	osd_penetration_orientation	Choice	Smallint	no						no	penetration_orientation
31	Permeability Class	osdhorzpermclass	osd_horizon_permeability_class	Choice	Smallint	no						no	permeability_class
32	Field pH	osdphfield	osd_ph_field	Float	Real	no		1	1	13		no	
33	pH Method	osdphdetermeth	osd_ph_determination_method	Choice	Smallint	no						no	ph_determination_method
34	Effervescence Class	osdeffclass	osd_effervescence_class	Choice	Smallint	no						no	effervescence_class
35	Effervescence Agent	osdeffagent	osd_effervescence_agent	Choice	Smallint	no						no	effervescence_agent
36	Mn Effervescence Class	osdmneffclass	osd_mn_effervescence_class	Choice	Smallint	no						no	effervescence_class
37	Mn Effervescence Agent	osdmneffagent	osd_mn_effervescence_agent	Choice	Smallint	no						no	effervescence_agent_mn
38	A-A Dipyrldyl Reaction	osdreactadipyrldyl	osd_rxn_to_alpha_dipyrldyl	Choice	Smallint	no						no	reaction_to_alpha_dipyrldyl
39	A-A Dipyrldyl Percent	osddipyrldylpct	osd_dipyrldyl_percent	Integer	Smallint	no			1	100	percent	no	
40	A-A Dipyrldyl Location	osddipyrldylloc	osd_dipyrldyl_location	Choice	Smallint	no						no	concen_redox_location
41	Excav Difficulty	osdexcavdifcl	osd_excava_difficulty_class	Choice	Smallint	no						no	excavation_difficulty_class
42	Soil Odor	osdsoilodor	osd_soil_odor	Choice	Smallint	no						no	soil_odor
43	Odor Intensity	osdsoilodorintensity	osd_soil_odor_intensity	Choice	Smallint	no						no	soil_odor_intensity
44	Monosulfide Presence	osdrmonosulfidep	osd_monosulfide_pres	Boolean	Bit	yes						no	

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
45	H2O2 30 Pct Rxn	osdh20230percentreaction	osd_p202_30_percent_reaction	Choice	Smallint	no						no	h2o2_30_percent
46	Boundary Distinctness	osdbounddistinct	osd_boundary_distinctness	Choice	Smallint	no						no	boundary_distinctness
47	Boundary Topography	osdboundtopo	osd_boundary_topography	Choice	Smallint	no						no	boundary_topography
48	Total Volume Pct	osdhorzvoltotpct	osd_horizon_volume_total_pct	Integer	Smallint	no			1	100	percent	no	
49	Horizon Volume Total Pct Range	osdhzvolumetotalpercentrng	osd_horz_vol_total_pct_range	Integer	Smallint	no			0	100	percent	no	
50	Lateral Area Pct	osdhorzlatareapct	osd_horizon_lateral_area_pct	Integer	Smallint	no			1	100	percent	no	
51	Lateral Area Pct Range	osdhzlatareapctrng	osd_horz_lat_area_pct_range	Integer	Smallint	no			0	100	percent	no	
52	AASHTO	osdaashtocl	osd_aashto_grp_classification	Choice	Smallint	no						no	aashto_group_classification
53	Unified	osdunifiedcl	osd_unified_soil_class	Choice	Smallint	no						no	unified_soil_classification
54	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						no	
55	Rec ID	osdphiid	osd_phorizon_iid	Integer	Int	yes						no	
56	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	

The Pedon Horizon table lists the horizons for each pedon. If the horizon thickness is greater than zero (low=5, RV=8, high=12), the horizon exists throughout the exposure of the profile. If the horizon thickness includes zero (low=0, RV=1, high=3), the horizon may exist in some places, but may not exist in other places. Horizons that have two distinct parts, such as E/B or E&Bt, 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.

NASIS 7.4.2 Tables and Columns

Table Physical Name: osdphorizonrefecmdoc

Table Label: OSD Pedon Horizon Reference ECM Documents

Table Logical Name: osd_phorizon_ref_ecm_doc

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	osdphiidref	osd_phorizon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	ECM Document Type	ecmdoctype	ecm_document_type	Choice	Smallint	no						no	document_kind
4	ECM Document Name	ecmdocname	ecm_document_name	String	Varchar	no	255					no	
5	ECM Document URL	ecmdockeyurl	ecm_document_key_url	Hyperlink	Varchar	no	138					no	
6	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
7	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						no	
8	Rec ID	osdphorizonrefecmdociid	osd_phorizon_ref_ecm_doc_iid	Integer	Int	yes						no	

This table contains hyperlink(s) to document(s) stored in the Enterprise Content Management (ECM) system that are additional documentation of pedon horizons. A separate row is entered for each document stored in the ECM. The kinds of documents that can be stored are: Audio, images, diagrams, PDF, powerpoint presentations, spreadsheets, text (plain text or other word processing program), and video.

NASIS 7.4.2 Tables and Columns

Table Physical Name: osdphortext

Table Label: OSD Pedon Horizon Text

Table Logical Name: osd_phorizon_text

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	osdphiidref	osd_phorizon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	Record Date	recdate	record_date	Date/Time	Datetime	no						no	
4	Author	recauthor	record_author	String	Varchar	no	25					no	
5	Kind	osdphorizontextkind	osd_phorizon_text_kind	Choice	Smallint	no						no	phorizon_text_kind
6	Category	textcat	text_category	String	Varchar	no	20					no	
7	Subcategory	textsubcat	text_subcategory	String	Varchar	no	20					no	
8	Text Entry	textentry	text_entry	Narrative Text	Varchar(max)	no						no	
9	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
10	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						no	
11	Rec ID	osdphortextiid	osd_phor_text_iid	Integer	Int	yes						no	

The Pedon Horizon Text table contains notes and narrative descriptions for this horizon as a whole that can not be described using existing data elements in other tables. In many cases, the table will be empty. Notes that apply to a specific pedons should be entered in the Pedon Text table.

NASIS 7.4.2 Tables and Columns

Table Physical Name: osdphpores

Table Label: OSD Pedon Horizon Pores

Table Logical Name: osd_phorizon_pores

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	osdphiidref	osd_phorizon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	Quantity	osdporeqty	osd_pore_quantity	Float	Real	no		1	0	99	pores/area	no	
4	Quantity Range	osdporequantityrng	osd_pore_quantity_range	Float	Real	no		1	0	99	pores/area	no	
5	Quantity Class	osdporeqtyclass	osd_pore_quantity_class	Choice	Smallint	no						no	pore_quantity_class
6	Size	osdporesize	osd_pore_size	Choice	Smallint	no						no	pore_root_size
7	Continuity	osdporecont	osd_pore_continuity_vertical	Choice	Smallint	no						no	pore_continuity_vertical
8	Shape	osdpreshp	osd_pore_shape	Choice	Smallint	no						no	pore_shape
9	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
10	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						no	
11	Rec ID	osdphporesiid	osd_phor_pores_iid	Integer	Int	yes						no	

The Pedon Horizon Pores table lists the voids for the horizon shown above in the Pedon Horizon table. More than one row can be listed because a horizon may have more than one size or shape of void.

NASIS 7.4.2 Tables and Columns

Table Physical Name: osdphpvsf

Table Label: OSD Pedon Horizon Ped Void Surface Features

Table Logical Name: osd_phorizon_pvsf

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	osdphiidref	osd_phorizon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	Feature Pct Range	osdpvsfpct	osd_pvsf_percent	Integer	Smallint	no			1	100	percent	no	
4	Color Pct Range	osdpvsfpctrng	osd_pvsf_pct_range	Integer	Smallint	no			0	100	percent	no	
5	Kind	osdpvsfkind	osd_pvsf_kind	Choice	Smallint	no						no	pvsf_kind
6	Distinctness	osdpvsfdistinct	osd_pvsf_distinctness	Choice	Smallint	no						no	pvsf_distinctness
7	Location	osdpvsflocation	osd_pvsf_location	Choice	Smallint	no						no	pvsf_location
8	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						no	
9	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
10	Rec ID	osdphpvsfiid	osd_phor_pvsf_iid	Integer	Int	yes						no	

The Pedon Horizon Ped Void Surface Feature table describes those features found on the surface of peds or voids in the respective soil horizon.

NASIS 7.4.2 Tables and Columns

Table Physical Name: osdphpvsfcolor

Table Label: OSD Pedon Horizon Ped Void Surface Features Color

Table Logical Name: osd_phorizon_pvsf_color

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	osdphpvsfiidref	osd_phor_pvsf_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	Color Pct	osdcolorpct	osd_color_percent	Integer	Int	no			1	100	percent	no	
4	Color Pct Range	osdcolorpctrng	osd_color_percent_range	Integer	Smallint	no			0	100	percent	no	
5	Hue	osdcolorhue	osd_color_hue	Choice	Smallint	no						no	color_hue
6	Value	osdcolorvalue	osd_color_value	Choice	Smallint	no						no	color_value
7	Chroma	osdcolorchroma	osd_color_chroma	Choice	Smallint	no						no	color_chroma
8	Moisture State	osdcolormoistst	osd_color_moisture_state	Choice	Smallint	no						no	color_moisture_status
9	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
10	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						no	
11	Rec ID	osdphpvsfcoloriid	osd_phor_pvsf_color_iid	Integer	Int	yes						no	

The Pedon Horizon Ped Void Surface Feature Color table describes the Munsell color(s) of an individual feature described in the Pedon Horizon Ped Void Surface Features table.

NASIS 7.4.2 Tables and Columns

Table Physical Name: osdphrdxfeatures

Table Label: OSD Pedon Horizon Redoximorphic Features

Table Logical Name: osd_phorizon_redox_features

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	osdphiidref	osd_phorizon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	Pct	osdrdxfeatpct	osd_redox_feat_percent	Integer	Smallint	no			1	100	percent	no	
4	Pct Range	osdcolorpctrng	osd_color_percent_range	Integer	Smallint	no			0	100	percent	no	
5	Size	osdrdxfeatsize	osd_redox_feat_size	Choice	Smallint	no						no	concen_rmf_mottle_size
6	Contrast	osdrdxfeatcntrst	osd_redox_feat_contrast	Choice	Smallint	no						no	concen_rmf_mottle_contrast
7	Hardness	osdrdxfeathardness	osd_redox_feat_hardness	Choice	Smallint	no						no	concen_redox_hardness
8	Shape	osdrdxfeatshape	osd_redox_feat_shape	Choice	Smallint	no						no	concen_rmf_mottle_shape
9	Kind	osdrdxfeatkind	osd_redox_feat_kind	Choice	Smallint	no						no	redox_feat_kind
10	Location	osdrdxfeatlocation	osd_redox_feat_location	Choice	Smallint	no						no	concen_redox_location
11	Boundary	osdrdxfeatboundary	osd_redox_feat_boundary	Choice	Smallint	no						no	concen_redox_boundary
12	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
13	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						no	
14	Rec ID	osdphrdxfiid	osd_phor_redox_feat_iid	Integer	Int	yes						no	

The Pedon Horizon Redoximorphic Features table describes those soil horizon features that are the result of the accumulation or depletion of minerals caused by the oxidation and/or reduction of iron and/or manganese.

NASIS 7.4.2 Tables and Columns

Table Physical Name: osdphredoxfcolor

Table Label: OSD Pedon Horizon Redoximorphic Features Color

Table Logical Name: osd_phorizon_redox_feat_color

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	osdphrdxfidref	osd_phor_redox_feat_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	Color Pct	osdcolorpct	osd_color_percent	Integer	Int	no			1	100	percent	no	
4	Color Pct Range	osdredoxfeatpctrng	osd_redox_feat_pct_range	Integer	Smallint	no			0	100	percent	no	
5	Hue	osdcolorhue	osd_color_hue	Choice	Smallint	no						no	color_hue
6	Value	osdcolorvalue	osd_color_value	Choice	Smallint	no						no	color_value
7	Chroma	osdcolorchroma	osd_color_chroma	Choice	Smallint	no						no	color_chroma
8	Moisture State	osdcolormoistst	osd_color_moisture_state	Choice	Smallint	no						no	color_moisture_status
9	Record When Last Updated	recwlupdated	record_when_last_updated	Date/Time	Datetime	no						no	
10	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						no	
11	Rec ID	osdphrdxfcoloriid	osd_phor_redox_feat_color_iid	Integer	Int	yes						no	

The Pedon Horizon Redox Feature Color table describes the Munsell color(s) of an individual feature described in the Pedon Horizon Redoximorphic Features table.

NASIS 7.4.2 Tables and Columns

Table Physical Name: osdphroots

Table Label: OSD Pedon Horizon Roots

Table Logical Name: osd_phorizon_roots

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	osdphiidref	osd_phorizon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	Quantity	osdrootsquantity	osd_roots_quantity	Float	Real	no		1	0	99	roots/area	no	
4	Quantity Range	osdrootsquantityrng	osd_roots_quantity_range	Integer	Smallint	no			0	99	roots/area	no	
5	Quantity Class	osdrootsquantityclass	osd_roots_quantity_class	Choice	Smallint	no						no	root_quantity_class
6	Size	osdrootssize	osd_roots_size	Choice	Smallint	no						no	pore_root_size
7	Location	osdrootslocation	osd_roots_location	Choice	Smallint	no						no	roots_location
8	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
9	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						no	
10	Rec ID	osdphrootsiid	osd_phor_roots_iid	Integer	Int	yes						no	

The Pedon Horizon Roots table describes the abundance, size and location of roots in each soil horizon.

NASIS 7.4.2 Tables and Columns

Table Physical Name: osdphstructure

Table Label: OSD Pedon Horizon Soil Structure

Table Logical Name: osd_phorizon_structure

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	osdphiidref	osd_phorizon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	Structure Grade	osdstructgrade	osd_structure_grade	Choice	Smallint	no						no	structure_grade
4	Structure Size	osdstructsize	osd_structure_size	Choice	Smallint	no						no	structure_size
5	Structure Type	osdstructtype	osd_structure_type	Choice	Smallint	no						no	structure_type
6	Structure ID	osdstructid	osd_structure_id	Integer	Int	no			1			no	
7	Parts to Structure ID	osdstructpartsto	osd_structure_parts_to	Integer	Smallint	no			1			no	
8	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
9	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						no	
10	Rec ID	osdphstructureiid	osd_phor_structure_iid	Integer	Int	yes						no	

The Pedon Horizon Soil Structure table describes the soil structure of each horizon described. Multiple types, size and grades of structure may be described as well as their relationship to one another.

NASIS 7.4.2 Tables and Columns

Table Physical Name: osdphtexture

Table Label: OSD Pedon Horizon Texture

Table Logical Name: osd_phorizon_texture

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	osdphiidref	osd_phorizon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	Texture Class	osdtexcl	osd_texture_class	Choice	Smallint	no						no	texture_class
4	Lieu of Texture	osdlieutex	osd_terms_used_in_lieu_of_tex	Choice	Smallint	no						no	terms_used_in_lieu_of_texture
5	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
6	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						no	
7	Rec ID	osdphtiid	osd_phor_texture_iid	Integer	Int	yes						no	

The Horizon Texture table lists the texture, or terms in lieu of texture, for the texture modifier and class shown above in the Pedon Horizon table. Only the unmodified texture term is listed in the Pedon Horizon Texture table; modifiers are listed in the Pedon Horizon Texture Modifier table. For example, a gravelly loamy sand is shown as "GR-LS" in the Pedon Horizon table, "ls" in this table, and "gr" in the Pedon Horizon Texture Modifier table.

NASIS 7.4.2 Tables and Columns

Table Physical Name: osdphtexturemod

Table Label: OSD Pedon Horizon Texture Modifier

Table Logical Name: osd_phorizon_texture_modifier

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	osdphtiidref	osd_phor_texture_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	Texture Modifier	osdtexmod	osd_texture_modifier	Choice	Smallint	no						no	texture_modifier
4	Record When Last Updated	recwlastupdated	record_when_last_updated	Date/Time	Datetime	no						no	
5	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						no	
6	Rec ID	osdphtextmodiid	osd_phor_texture_modifier_iid	Integer	Int	yes						no	

The Pedon Horizon Texture Modifier table lists the texture modifiers for the texture shown above in the Pedon Horizon and Pedon Horizon Texture tables. For example, a gravelly loamy sand is shown as "GR-LS" in the Pedon Horizon table, "ls" in the Pedon Horizon Texture table, and "gr" in this table.

NASIS 7.4.2 Tables and Columns

Table Physical Name: osdsectiontext

Table Label: OSD Sections Text

Table Logical Name: osd_sections_text

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	osdsitepedoniidref	osd_site_pedon_iid_ref	Integer	Int	yes						no	
2	Heading Information	osdsectionheading	osd_section_heading	Narrative Text	Varchar(max)	yes						no	
3	Typical Pedon Description	osdchunktypicalpedon	osd_section_typical_pedon	Narrative Text	Varchar(max)	yes						no	
4	Series Name	osdsectionseriesname	osd_section_series_name	String	Varchar	yes	25					no	
5	Taxonomic Class	osdsectiontaxclass	osd_section_taxonomic_class	Narrative Text	Varchar(max)	yes						no	
6	Type Location	osdsectiontypelocation	osd_section_type_location	Narrative Text	Varchar(max)	yes						no	
7	Range in Characteristics	osdsectionric	osd_section_ric	Narrative Text	Varchar(max)	yes						no	
8	Competing Series	osdsectioncompetingseries	osd_section_competing_series	Narrative Text	Varchar(max)	yes						no	
9	Geographic Setting	osdsectiongeographicsetting	osd_section_geo_setting	Narrative Text	Varchar(max)	yes						no	
10	Use and Vegetation	osdsectionusevegetation	osd_section_use_vegetation	Narrative Text	Varchar(max)	no						no	
11	Geographically Associated Soils	osdsectiongeoassociatedsoils	osd_section_geo_associ_soils	Narrative Text	Varchar(max)	yes						no	
12	Drainage and Saturated Hydraulic Conductivity	osdsectiondrainsat	osd_section_drain_ksat	Narrative Text	Varchar(max)	yes						no	
13	Distribution and Extent	osdsectiondistributionextent	osd_section_distribution	Narrative Text	Varchar(max)	yes						no	
14	MLRA Soil Survey Regional Office Responsible	osdsectionreagionaloffice	osd_section_regional_office	Narrative Text	Varchar(max)	yes						no	
15	Series Established	osdsectionserieeestablished	osd_section_series_established	Narrative Text	Varchar(max)	yes						no	
16	Remarks	osdsectionremarks	osd_section_remarks	Narrative Text	Varchar(max)	yes						no	
17	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
18	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						no	
19	Rec ID	osdsectioniid	osd_section_iid	Integer	Int	yes						no	

This table will hold the 'chunks' of text extracted from the existing standard format of the OSDs. There will be one column defined as a varchar(max) that will hold the chunks of text extracted from the OSDs.

NASIS 7.4.2 Tables and Columns

Table Physical Name: osdsite

Table Label: OSD Site

Table Logical Name: osd_site

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	osdsitepedoniidref	osd_site_pedon_iid_ref	Integer	Int	yes						no	
2	User Site ID	usiteid	user_site_id	String	Varchar	no	60					no	
3	State FIPS	stateareaiidref	state_area_iid_ref	Integer	Int	no						no	
4	State	stateareatypeiidref	state_area_type_iid_ref	Integer	Int	yes						no	
5	County Name	countyareaiidref	county_area_iid_ref	Integer	Int	no						no	
6	County	countyareatypeiidref	county_area_type_iid_ref	Integer	Int	yes						no	
7	MLRA Symbol	mlraareaiidref	mlra_area_iid_ref	Integer	Int	no						no	
8	MLRA	mlraareatypeiidref	mlra_area_type_iid_ref	Integer	Int	yes						no	
9	WGS84 Latitude DD	latstddecimaldegrees	latitude_std_decimal_degrees	Float	Decimal	no	9	7	-90	90	degrees	no	
10	WGS84 Longitude DD	longstddecimaldegrees	longitude_std_decimal_degrees	Float	Decimal	no	10	7	-180	180	degrees	no	
11	Coordinate Source	geocoordsource	geographic_coord_source	Choice	Smallint	no						no	geographic_coord_source
12	Latitude Degrees	latdegrees	latitude_degrees	Integer	Smallint	no			0	90	degrees	no	
13	Latitude Minutes	latminutes	latitude_minutes	Integer	Smallint	no			0	60	minutes (lat/long)	no	
14	Latitude Seconds	latseconds	latitude_seconds	Float	Real	no		2	0	60	seconds (lat/long)	no	
15	Latitude Direction	latdir	latitude_direction	Choice	Smallint	no						no	latitude_direction
16	Longitude Degrees	longdegrees	longitude_degrees	Integer	Smallint	no			0	180	degrees	no	
17	Longitude Minutes	longminutes	longitude_minutes	Integer	Smallint	no			0	60	minutes (lat/long)	no	
18	Longitude Seconds	longseconds	longitude_seconds	Float	Real	no		2	0	60	seconds (lat/long)	no	
19	Longitude Direction	longdir	longitude_direction	Choice	Smallint	no						no	longitude_direction
20	Datum Name DMS	horizdatnm dms	horizontal_datum_name_dms	Choice	Smallint	no						no	horizontal_datum_name
21	Location Description	locdesc	location_description	Narrative Text	Varchar(max)	no						no	
22	PLSS Section Details	plssdetails	plss_section_details	String	Varchar	no	254					no	
23	PLSS Section	plsssection	plss_section	Integer	Smallint	no			1	200		no	
24	PLSS Township	plss township	plss_township	String	Char	no	10					no	
25	PLSS Range	plssrange	plss_range	String	Char	no	10					no	
26	PLSS Meridian	plssmeridian	plss_meridian	Choice	Smallint	no						no	plss_meridian
27	UTM Zone	utmzone	utm_zone	Integer	Smallint	no			1	60		no	
28	UTM Easting	utmeasting	utm_easting	Float	Float	no		2	0	1000000	meters	no	
29	UTM Northing	utmnorthing	utm_northing	Float	Float	no		2	0	10000000	meters	no	
30	Datum Name UTM	horizdatnmutm	horizontal_datum_name_utm	Choice	Smallint	no						no	horizontal_datum_name
31	Elevation	elev	elevation	Float	Real	no		1	-300	8550	meters	no	
32	Elevation Range	osdelevationrng	osd_elevation_range	Float	Real	no		1	-300	8550	meters	no	
33	Geomorphic Component Hills	osdgeomposhill	osd_geomorphic_position_hills	Choice	Smallint	no						no	geomor_pos_hill
34	Geomorphic Component Mountains	osdgeomposmntn	osd_geomorphic_position_mts	Choice	Smallint	no						no	geomor_pos_mountain
35	Geomorphic Component Terraces	osdgeompos trce	osd_geomorphic_position_terrs	Choice	Smallint	no						no	geomor_pos_terrace
36	Geomorphic Component Flats	osdgeomposflats	osd_geomorphic_position_flats	Choice	Smallint	no						no	geomor_pos_flat
37	Hillslope Profile	osdhillslopeprof	osd_hillslope_profile	Choice	Smallint	no						no	hillslope_profile
38	Slope Position	osdgeomslopeseg	osd_geomorph_slope_segment	Choice	Smallint	no						no	slope_segment
39	Slope Gradient	osdslope	osd_slope_gradient	Float	Float	no		1	0	999	percent	no	
40	Slope Gradient Range	osdslopegradientrng	osd_slope_gradient_range	Float	Real	no		1	0	999	percent	no	
41	Aspect	osdaspect	osd_slope_aspect	Integer	Smallint	no			0	360	degrees	no	
42	Slope Aspect Range	osdslopeaspectrng	osd_slope_aspect_range	Integer	Smallint	no			0	360	degrees	no	
43	Slope Shape Across	osdshapeacross	osd_shape_across	Choice	Smallint	no						no	slope_shape
44	Slope Shape Up Down	osdshapedown	osd_shape_down	Choice	Smallint	no						no	slope_shape

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
45	Slope Complexity	osdslopecomplex	osd_slope_complexity	Choice	Smallint	no						no	slope_complexity
46	Local Physiographic Name	osdlocphysnm	osd_local_physiographic_name	String	Varchar	no	50					no	
47	Drainage Class	osddrainagecl	osd_drainage_class	Choice	Smallint	no						no	drainage_class
48	Local Runoff	osdrunoff	osd_runoff	Choice	Smallint	no						no	runoff
49	Drainage Pattern	osddrainagepattern	osd_drainage_pattern	Choice	Smallint	no						no	drainage_pattern
50	Parent Material Group Name	osdpmgroupname	osd_parent_material_group_name	String	Varchar	no	252					no	
51	Climate Station ID	climstaid	climate_station_id	String	Varchar	no	8					no	
52	Climate Station Name	climstanm	climate_station_name	String	Varchar	no	50					no	
53	Climate Station Type	climstatype	climate_station_type	String	Varchar	no	50					no	
54	Frost Free Days	osdffid	osd_mean_annl_frost_free_days	Integer	Smallint	no			0	365	days	no	
55	Frost Free Days Range	osdmeanannualfrostfreedaysrng	osd_mean_annl_ffdays_range	Integer	Smallint	no			0	365	days	no	
56	MAAP	osdmap	osd_mean_annual_ppt	Integer	Smallint	no			0	11500	mm	no	
57	MAAP Range	osdmeanannualpreciprng	osd_mean_annual_precip_range	Integer	Smallint	no			0	11500	mm	no	
58	REAP	osdreffectiveannlprecip	osd_rel_effective_annl_precip	Integer	Smallint	no			0	11500	mm	no	
59	MAAT	osdairtempa	osd_mean_annual_air_temp	Float	Real	no		1	-50	50	degrees c	no	
60	MAAT Range	osdmeanannualairtemprng	osd_mean_annual_air_temp_range	Float	Real	no		1	-50	50	degrees c	no	
61	MAST	osdsoiltempa	osd_mean_annual_soil_temp	Float	Real	no		1	-40	50	degrees c	no	
62	MAST Range	osdmeanannualsoiltemprng	osd_mean_annl_soil_temp_range	Float	Real	no		1	-40	50	degrees c	no	
63	MSAT	osdairtemps	osd_mean_summer_air_temp	Float	Real	no		1	-50	50	degrees c	no	
64	MSAT Range	osdmeansummerairtemprng	osd_mean_summer_air_temp_range	Float	Real	no		1	-50	50	degrees c	no	
65	MSST	osdsoiltemps	osd_mean_summer_soil_temp	Float	Real	no		1	-40	50	degrees c	no	
66	MSST Range	osdmeansummersoiltemprng	osd_mean_summr_soil_temp_range	Float	Real	no		1	-40	50	degrees c	no	
67	MWAT	osdairtempw	osd_mean_winter_air_temp	Float	Real	no		1	-50	50	degrees c	no	
68	MWAT Range	osdmeanwinterairtemprng	osd_mean_winter_air_temp_range	Float	Real	no		1	-50	50	degrees c	no	
69	MWST	osdsoiltempw	osd_mean_winter_soil_temp	Float	Real	no		1	-40	50	degrees c	no	
70	MWST Range	osdmeanwintersoiltemprng	osd_mean_wintr_soil_temp_range	Float	Real	no		1	-40	50	degrees c	no	
71	Benchmark Soil Flag	osdbenchmarksoilflag	osd_benchmark_soil_flag	Boolean	Bit	yes						no	
72	Flooding Type	floodtype	flooding_type	Choice	Smallint	no						no	flood_type
73	Flooding Month	osdfloodmonthbeg	osd_flooding_month_begin	Choice	Smallint	no						no	flooding_ponding_month
74	Flooding Frequency Class	osdfloodfreqcl	osd_flooding_frequency_class	Choice	Smallint	no						no	flooding_frequency_class
75	Flooding Duration Class	osdflooddurcl	osd_flooding_duration_class	Choice	Smallint	no						no	flooding_duration_class
76	Ponding Month	osdpondmonthbeg	osd_ponding_month_begin	Choice	Smallint	no						no	flooding_ponding_month
77	Ponding Frequency	osdpondfreqcl	osd_ponding_frequency_class	Choice	Smallint	no						no	ponding_frequency_class
78	Ponding Duration Class	osdponddurcl	osd_ponding_duration_class	Choice	Smallint	no						no	ponding_duration_class
79	Wet Soil Moisture Duration	osdwtabledur	osd_water_table_duration	Integer	Smallint	no			0	365	days	no	
80	Water Table Duration Range	osdwtabledurationrng	osd_water_table_duration_range	Integer	Int	no			0	365	days	no	
81	Cowardin Wetland System	osdcowardinwetlandsystem	osd_cowardin_wetland_system	Choice	Smallint	no						no	cowardin_wetland_system
82	Cowardin Wetland Subsystem	osdcowardinwetlandsubsystem	osd_cowardin_wetland_subsystem	Choice	Smallint	no						no	cowardin_wetland_subsystem
83	Cowardin Wetland Class	osdcowardinwetlandclass	osd_cowardin_wetland_class	Choice	Smallint	no						no	cowardin_wetland_class
84	Cowarding Wetland Subclass	osdcowardinwetlandsubclass	osd_cowardin_wetland_subclass	Choice	Smallint	no						no	cowardin_wetland_subclass
85	Cowardin Moisture Regime Modifier	osdcowardinmoistregimemodifier	osd_cowardin_moist_regime_mod	Choice	Smallint	no						no	cowardin_moist_regime_modifier
86	HGM Class	osdhgmclass	osd_hgm_class	Choice	Smallint	no						no	hgm_class
87	HGM Subclass	osdhgmsubclass	osd_hgm_subclass	String	Varchar	no	100					no	
88	HGM Modifier	osdhgmmodifier	osd_hgm_modifier	String	Varchar	no	100					no	
89	MFFP	osdmeanfrostfreeprecip	osd_mean_frost_free_ppt	Integer	Int	no			0	11500	mm	no	
90	MFFP Range	osdmeanfrostfreepptrng	osd_mean_frost_free_ppt_range	Integer	Int	no			0	11500	mm	no	
91	PE Index	osdpeindex	osd_pe_index	Integer	Int	no			1	400		no	
92	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	yes						no	
93	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						no	
94	Rec ID	osdsiteiid	osd_site_iid	Integer	Int	yes						no	

The Site table describes the locational information and characteristics of a particular geographic location. A site may be a specific location such as a point where a soil profile description is taken, or it may have some spatial area that is chosen to be treated as a single point. Various kinds of data such as soil profile descriptions, lab data, vegetative data, etc. may be linked to a site in this database.

NASIS 7.4.2 Tables and Columns

Table Physical Name: osdsiteassocsoi

Table Label: OSD Site Associated Soils

Table Logical Name: osd_site_associated_soils

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	osdsiteiidref	osd_site_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	Site Associated Soil	osdassocsoi	osd_associated_soil	String	Varchar	no	60					no	
4	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
5	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						no	
6	Rec ID	osdsiteassocsoiid	osd_site_associated_soils_iid	Integer	Int	yes						no	

The Site Associated Soils table lists those soils that occur in the same or adjacent landscape segments as the site being described.

NASIS 7.4.2 Tables and Columns

Table Physical Name: osdsitebedrock

Table Label: OSD Site Bedrock

Table Logical Name: osd_site_bedrock

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	osdsiteiidref	osd_site_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	Vertical Order	osdbedrockorder	osd_bedrock_order	Integer	Int	no			1			no	
4	Geologic Group	osdgeogroup	osd_geologic_group	String	Varchar	no	60					no	
5	Geologic Formation	osdgeoform	osd_geologic_formation	String	Varchar	no	60					no	
6	Geologic Member	osdgeomember	osd_geologic_member	String	Varchar	no	60					no	
7	Bedrock Depth	osdbedrckdepth	osd_bedrock_depth	Integer	Int	no			0	9999	cm	no	
8	Bedrock Depth Range	osdbedrockdepthrng	osd_bedrock_depth_range	Integer	Int	no			0	9999	cm	no	
9	Kind	osdbedrckkind	osd_bedrock_kind	Choice	Smallint	no						no	bedrock_kind
10	Hardness	osdbedrckhardness	osd_bedrock_hardness	Choice	Smallint	no						no	rupture_resist_block_cem
11	Bedrock Fracture Interval	osdbedrckfractint	osd_bedrock_fracture_interval	Choice	Smallint	no						no	bedrock_fracture_interval_class
12	Bedrock Weathering	osdbedrckweather	osd_bedrock_weathering	Choice	Smallint	no						no	weathering
13	Bedrock Strike	osdbedrckstrike	osd_bedrock_strike	Integer	Int	no			0	360	degrees	no	
14	Bedrock Strike Range	osdbedrckstrikerng	osd_bedrock_strike_range	Integer	Int	no			0	360	degrees	no	
15	Bedrock Dip Range	osdbedrckdiprng	osd_bedrock_dip_range	Integer	Int	no			0	360	degrees	no	
16	Bedrock Dip	osdbedrckdip	osd_bedrock_dip	Integer	Int	no			0	90	degrees	no	
17	Record When Last Updated	recw/updated	record_when_last_updated	Date/Time	Datetime	no						no	
18	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						no	
19	Rec ID	osdsitebedrockiid	osd_site_bedrock_iid	Integer	Int	yes						no	

This table records the kind(s) of bedrock layers observed at the site. Multiple layers of bedrock can be described.

NASIS 7.4.2 Tables and Columns

Table Physical Name: osdsiteecositehistory

Table Label: OSD Site Ecological Site History

Table Logical Name: osd_site_ecological_site_hist

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	osdsiteiidref	osd_site_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	Correlation Date	osdecositecorrdate	osd_ecological_site_corr_date	Date/Time	Datetime	no						no	
4	Ecological Site	ecositeiidref	ecological_site_iid_ref	Integer	Int	yes						no	
5	Classifier	classifier	classifier	String	Varchar	no	60					no	
6	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
7	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						no	
8	Rec ID	osdsiteecositehistoryiid	osd_site_ecosite_history_iid	Integer	Int	yes						no	

This table records the history of ecological site correlation with this Site table record.

NASIS 7.4.2 Tables and Columns

Table Physical Name: osdsiteerosionacc

Table Label: OSD Site Erosion Accelerated

Table Logical Name: osd_site_erosion_accelerated

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	osdsiteobsiidref	osd_site_observation_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	Kind	osderokind	osd_erosion_accelerated_kind	Choice	Smallint	no						no	erosion_accelerated_kind
4	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
5	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						no	
6	Rec ID	osdsiteeroacciid	osd_site_eros_accelerated_iid	Integer	Int	yes						no	

The Site Erosion Accelerated table lists the kinds of accelerated erosion that occur on this site.

NASIS 7.4.2 Tables and Columns

Table Physical Name: osdsitegeomordesc

Table Label: OSD Site Geomorphic Description

Table Logical Name: osd_site_geomorph_desc

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	osdsiteiidref	osd_site_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	Geomorphic Feature	geomfiidref	geomorph_feat_iid_ref	Integer	Int	yes						no	
4	Feature Modifier	geomfmod	geomorph_feat_modifier	String	Varchar	no	60					no	
5	Feature ID	existsonfeat	exists_on_feature	Integer	Smallint	no						no	
6	Exists on Feature ID	osdexistsonfeat	osd_exists_on_feature	Integer	Smallint	no						no	
7	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
8	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						no	
9	Rec ID	osdsitegeomdiid	osd_site_geomorph_desc_iid	Integer	Int	yes						no	

The Site Geomorphic Description table lists the geomorphic features found at this site.

NASIS 7.4.2 Tables and Columns

Table Physical Name: osdsiteinundationtype

Table Label: OSD Site Inundation Type

Table Logical Name: osd_site_inundation_type

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	siteobsiidref	site_observation_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	Inundation Type	inundationtype	inundation_type	Choice	Smallint	no						no	inundation_type
4	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
5	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						no	
6	Rec ID	osdsiteinundationtypeid	osd_site_inundate_type_iid	Integer	Int	yes						no	

This table lists the inundation type that occurred on this soil series.

NASIS 7.4.2 Tables and Columns

Table Physical Name: osdsiteobs

Table Label: OSD Site Observation

Table Logical Name: osd_site_observation

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	osdsiteidref	osd_site_iid_ref	Integer	Int	yes						no	
2	Observation Date	osdobsdate	osd_observation_date	Date/Time	Datetime	no						no	
3	Observation Date Kind	osdobsdatekind	osd_observation_date_kind	Choice	Smallint	no						no	observation_date_kind
4	Surface Water Kind	osdswaterkind	osd_surface_water_kind	Choice	Smallint	no						no	surface_water_kind
5	Surface Water Depth	osdswaterdepth	osd_surface_water_depth	Integer	Int	no			1	1000	cm	no	
6	Surface Water Depth Range	osdswaterdepthrng	osd_surface_water_depth_range	Integer	Int	no			0	1000	cm	no	
7	Hydrology Status	osdhydrologystatus	osd_hydrology_status	Choice	Smallint	no						no	hydrology_status
8	Geomorphic Microrelief	osdgeomicrorelief	osd_geomorph_micro_relief	Choice	Smallint	no						no	microrelief_kind
9	Geomorph Microrelief Elevation	osdgeommicrelv	osd_geomorph_microrelief_elev	Integer	Smallint	no			0	999	cm	no	
10	Geomorph Microrelief Range	osdgeommicelvrng	osd_geom_microrel_elev_range	Integer	Smallint	no			0	9999	cm	no	
11	Ecological State ID	osdecostateid	osd_ecological_state_id	Integer	Int	no						no	
12	Ecological State Name	osdecositnm	osd_ecological_state_name	String	Varchar	no	100					no	
13	Community Phase Id	osdcommphaseid	osd_community_phase_id	Integer	Smallint	no			1	20		no	
14	Community Phase Name	osdcommphasename	osd_community_phase_name	String	Varchar	no	100					no	
15	Plant Association Name	osdplantassocnm	osd_plant_association_name	String	Varchar	no	40					no	
16	Earth Cover Kind 1	osdearthcovkind1	osd_earth_cover_kind_level_one	Choice	Smallint	no						no	earth_cover_kind_level_one
17	Earth Cover Kind 2	osdearthcovkind2	osd_earth_cover_kind_level_two	Choice	Smallint	no						no	earth_cover_kind_level_two
18	Resource Retention Class	osdresource retentionclass	osd_resource_retention_class	Choice	Smallint	no						no	resource_retention_class
19	Bare Area Maximum Width	osdbareareamaxwidth	osd_bare_area_max_width	Integer	Int	no			0	5000	cm	no	
20	Pedoderm Class	osdpedodermclass	osd_pedoderm_class	Choice	Smallint	no						no	pedoderm_class
21	Pedoderm Loose Cover Indicator	osdpedodermcovind	osd_pedoderm_loose_cov_ind	Boolean	Bit	yes						no	
22	Biol Crust Type Dominant	osdbiolcrusttypedom	osd_biological_crust_type_dom	Choice	Smallint	no						no	biological_crust_type
23	Biol Crust Type Secondary	osdbiolcrusttypesec	osd_biological_crust_type_sec	Choice	Smallint	no						no	biological_crust_type
24	Physical Crust Subtype	osdphyscrustsubtype	osd_physical_crust_subtype	Choice	Smallint	no						no	physical_crust_subtype
25	Crust Development Class	osdcrustdevel	osd_crust_development_class	Choice	Smallint	no						no	crust_development_class
26	Soil Redistribution Class	osdsoilredistributionclass	osd_soil_redistribution_class	Choice	Smallint	no						no	soil_redistribution_class
27	Exposed Soil Percent	osdexposedsoilpct	osd_exposed_soil_percent	Integer	Smallint	no			0	100	percent	no	
28	Local Disturbance Distance	osdlocaldisturbancedistance	osd_local_disturbance_distance	Integer	Int	no			1		meters	no	
29	Local Disturbance Description	osdlocaldisturbdesc	osd_local_disturb_description	String	Varchar	no	50					no	
30	Drained Flag	osddrainedflag	osd_drained_flag	Boolean	Bit	yes						no	
31	Forest Rotation Stage	osdforestrotationstage	osd_forest_rotation_stage	Choice	Smallint	no						no	forest_rotation_stage
32	Tidal Period	osdtidalperiod	osd_tidal_period	Choice	Smallint	no						no	tidal_period
33	Bottom Type	osdbottomtype	osd_bottom_type	Choice	Smallint	no						no	bottom_type
34	Water Temp Upper	osdsaswatertempupper	osd_sas_water_temp_upper	Integer	Int	no			-10	50	degrees c	no	
35	Water Temp Lower	osdsaswatertempower	osd_sas_water_temp_lower	Integer	Int	no			-10	50	degrees c	no	
36	Water pH Upper	osdsaswaterphupper	osd_sas_water_ph_upper	Float	Real	no		1	1	13		no	
37	Water pH Lower	osdsaswaterphlower	osd_sas_water_ph_lower	Float	Real	no		1	1	13		no	
38	Dissolved Oxygen Upper	osdsasdissolvedoxyupper	osd_sas_dissolved_oxygen_upper	Float	Real	no		1			mg/l	no	
39	Dissolved Oxygen Lower	osdsasdissolvedoxylower	osd_sas_dissolved_oxygen_lower	Float	Real	no		1			mg/l	no	
40	Water Salinity Upper	osdsaswatersalinityupper	osd_sas_water_salinity_upper	Float	Real	no		1			ppt	no	
41	Water Salinity Lower	osdsaswatersalinitylower	osd_sas_water_salinity_lower	Float	Real	no		1			ppt	no	
42	Extra Moisture Source	osdextramoisturesource	osd_extra_moisture_source	Choice	Smallint	no						no	extra_moisture_source
43	Growing Season Rating	osdgrowingseasonrating	osd_growing_season_rating	Choice	Smallint	no						no	growing_season_rating
44	Land Kind	osdlandkind	osd_land_kind	Choice	Smallint	no						no	land_kind

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
45	SAF Cover Type	osdsafovertype	osd_saf_cover_type	Choice	Smallint	no						no	saf_cover_type
46	STM Version ID	osdstmversionid	osd_stm_version_id	String	Varchar	no	5					no	
47	Rosgen Stream Type	osdrosgenstreamtype	osd_rosgen_stream_type	Choice	Smallint	no						no	rosgen_stream_type
48	Rosgen Stream Subclass	osdrosgenstreamsubclass	osd_rosgen_stream_subclass	Choice	Smallint	no						no	rosgen_stream_subclass
49	Record When Last Updated	recwlupdated	record_when_last_updated	Date/Time	Datetime	no						no	
50	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						no	
51	Rec ID	osdsiteobsiid	osd_site_observation_iid	Integer	Int	yes						no	

The Site Observation table records the date that the various observation or analytical data is collected for the specific site or location. Soil or site properties that may change with time are also recorded here. If a site is revisited at a later date for additional data collection, a new row with the appropriate date is entered in this table. Separate tables exist for properties that may have multiple entries.

NASIS 7.4.2 Tables and Columns

Table Physical Name: osdsiteobsrefecmdoc

Table Label: OSD Site Observation Reference ECM Documents

Table Logical Name: osd_site_obs_ref_ecm_doc

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	osdsiteobsiidref	osd_site_observation_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	ECM Document Type	ecmdoctype	ecm_document_type	Choice	Smallint	no						no	document_kind
4	ECM Document Name	ecmdocname	ecm_document_name	String	Varchar	no	255					no	
5	ECM Document URL	ecmdockeyurl	ecm_document_key_url	Hyperlink	Varchar	no	138					no	
6	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
7	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						no	
8	Rec ID	osdsiteobsrefecmdociid	osd_site_obs_ref_ecm_doc_iid	Integer	Int	yes						no	

This table contains hyperlink(s) to document(s) stored in the Enterprise Content Management (ECM) system that are additional documentation of the pedon. A separate row is entered for each document stored in the ECM. The kinds of documents that can be stored are: Audio, images, diagrams, powerpoint presentations, spreadsheets, text (plain text or other word processing program), PDF, and video.

NASIS 7.4.2 Tables and Columns

Table Physical Name: osdsiteobstext

Table Label: OSD Site Observation Text

Table Logical Name: osd_site_observation_text

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	osdsiteobsiidref	osd_site_observation_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	Record Date	recdate	record_date	Date/Time	Datetime	no						no	
4	Author	recauthor	record_author	String	Varchar	no	25					no	
5	Kind	osdsiteobstextkind	osd_site_obs_text_kind	Choice	Smallint	no						no	site_observation_text_kind
6	Category	textcat	text_category	String	Varchar	no	20					no	
7	Subcategory	textsubcat	text_subcategory	String	Varchar	no	20					no	
8	Text Entry	textentry	text_entry	Narrative Text	Varchar(max)	no						no	
9	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
10	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						no	
11	Rec ID	osdsiteobstextiid	osd_site_observation_text_iid	Integer	Int	yes						no	

The Site Observation Text table contains notes and narrative descriptions for this pedon as a whole that cannot be described using existing data elements in other tables. In many cases, the table will be empty.

NASIS 7.4.2 Tables and Columns

Table Physical Name: osdsiteothvegclass

Table Label: OSD Site Other Vegetative Classification

Table Logical Name: osd_site_other_veg_class

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	osdsiteiidref	osd_site_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	Other Veg Class	ovegcliidref	oth_veg_class_iid_ref	Integer	Int	yes						no	
4	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
5	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						no	
6	Rec ID	osdsiteovegcliid	osd_site_other_veg_class_iid	Integer	Int	yes						no	

The Site Other Vegetative Classification table records vegetative classifications associated with a particular site, other than the NRCS concept of an ecological site. The NRCS ecological site(s) associated with a particular component is recorded in the Site table. The primary reason for the existence of the Site Other Vegetative Classification table is the need to record the U.S. Forest Service concept of ecological site or habitat type.

NASIS 7.4.2 Tables and Columns

Table Physical Name: osdsitepedon

Table Label: OSD Site Pedon

Table Logical Name: osd_site_pedon

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Soil Series Name	soilseriesname	soil_series_name	String	Varchar	yes	25					no	
2	Soil Taxonomic Classification Last Updated	soiltaxclasslastupdated	soil_tax_class_last_updated	Date/Time	Datetime	no						no	
3	MLRA Office	mlraoffice	mlra_office	Choice	Smallint	no						no	mlra_office
4	Soil Series Status	soilseriesstatus	soil_series_status	Choice	Smallint	no						no	series_status
5	State FIPS	typelocstareaiidref	type_loc_st_area_iid_ref	Integer	Int	no						no	
6	State	typelocstareatypeiiref	type_loc_st_area_type_iid_ref	Integer	Int	yes						no	
7	County Name	countyareaiidref	county_area_iid_ref	Integer	Int	no						no	
8	County	countyareatypeiiref	county_area_type_iid_ref	Integer	Int	yes						no	
9	MLRA Symbol	mlraareaiidref	mlra_area_iid_ref	Integer	Int	no						no	
10	MLRA	mlraareatypeiiref	mlra_area_type_iid_ref	Integer	Int	yes						no	
11	Certified Flag	pedoncertifiedflag	pedon_certified_flag	Boolean	Bit	yes						no	
12	Published Survey Flag	publishedflag	in_published_survey_flag	Boolean	Bit	yes						no	
13	TUD Based Flag	tudbasedflag	tud_based_flag	Boolean	Bit	yes						no	
14	OSD Based Flag	osdbasedflag	osd_based_flag	Boolean	Bit	yes						no	
15	Special Project Flag	specialprojectflag	special_project_flag	Boolean	Bit	yes						no	
16	Decimal Deg Flag	decimaldegreesflag	decimal_degrees_flag	Boolean	Bit	yes						no	
17	Lab Data Flag	labdataflag	lab_data_flag	Boolean	Bit	yes						no	
18	OSD NASIS Site	osdsitepedondatabaseiiref	osd_site_pedon_databas_iid_ref	Integer	Int	yes						no	
19	NASIS Group	griidref	group_iid_ref	Integer	Int	yes						no	
20	Object Last Updated	objw/updated	object_when_last_updated	Date/Time	Datetime	no						no	
21	Object Last Updated By	objuseriiref	object_user_iid_ref	Integer	Int	no						no	
22	Record When Last Updated	recw/updated	record_when_last_updated	Date/Time	Datetime	no						no	
23	Record Last Updated By	recuseriiref	record_user_iid_ref	Integer	Int	no						no	
24	Rec ID	osdsitepedoniid	osd_site_pedon_iid	Integer	Int	yes						no	

The OSD Site Pedon table contains information collected at the time a soil profile description is made. It has data that relates to the profile as a whole.

NASIS 7.4.2 Tables and Columns

Table Physical Name: osdsitepedonrefecmdoc

Table Label: OSD Site Pedon Reference ECM Documents

Table Logical Name: osd_site_pedon_ref_ecm_doc

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	osdsitepedoniidref	osd_site_pedon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	ECM Document Type	ecmdoctype	ecm_document_type	Choice	Smallint	no						no	document_kind
4	ECM Document Name	ecmdocname	ecm_document_name	String	Varchar	no	255					no	
5	ECM Document URL	ecmdockeyurl	ecm_document_key_url	Hyperlink	Varchar	no	138					no	
6	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
7	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						no	
8	Rec ID	osdsitepedonrefecmdociid	osd_site_pedon_ref_ecm_doc_iid	Integer	Int	yes						no	

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NASIS 7.4.2 Tables and Columns

Table Physical Name: osdsitepedontext

Table Label: OSD Site Pedon Text

Table Logical Name: osd_site_pedon_text

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	osdsitepedoniidref	osd_site_pedon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	Date	recdate	record_date	Date/Time	Datetime	no						no	
4	Author	recauthor	record_author	String	Varchar	no	25					no	
5	Kind	osdsitepedontextkind	osd_site_pedon_text_kind	Choice	Smallint	no						no	osd_text_kind
6	Catergory	textcat	text_category	String	Varchar	no	20					no	
7	Subcategory	textsubcat	text_subcategory	String	Varchar	no	20					no	
8	Text Entry	textentry	text_entry	Narrative Text	Varchar(max)	no						no	
9	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
10	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						no	
11	Rec ID	osdsitepedontextiid	osd_site_pedon_text_iid	Integer	Int	yes						no	

The OSD Site Pedon Text table contains notes and narrative descriptions for this pedon as a whole that can not be described using existing data elements in other tables. In many cases, the table will be empty. Notes that apply to a specific soil horizon should be entered in the OSD Pedon Horizon Text table.

NASIS 7.4.2 Tables and Columns

Table Physical Name: osdsitepm

Table Label: OSD Site Parent Material

Table Logical Name: osd_site_parent_material

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	osdsiteidref	osd_site_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	Vertical Order	osdpmorder	osd_parent_material_order	Integer	Smallint	no			1			no	
4	Parent Material Depth to Top	osdpmdept	osd_parent_mat_depth_to_top	Integer	Smallint	no			0	9999	cm	no	
5	Parent Material Depth to Top Range	osdparentmaterialdeptotoprng	osd_par_mat_depth_to_top_range	Integer	Smallint	no			0	9999	cm	no	
6	Parent Material Depth to Bottom	osdpmdepb	osd_parent_mat_dep_to_bottom	Integer	Smallint	no			0	9999	cm	no	
7	Parent Material Depth to Bottom Range	osdparentmaterialdeptobotrng	osd_par_mat_depth_to_b_range	Integer	Smallint	no			0	9999	cm	no	
8	Parent Material Modifier	osdpmmodifier	osd_parent_material_modifier	Choice	Smallint	no						no	parent_material_modifier
9	General Modifier	osdpmgenmod	osd_parent_material_genl_mod	String	Varchar	no	60					no	
10	Kind	osdpmkind	osd_parent_material_kind	Choice	Smallint	no						no	parent_material_kind
11	Origin	osdpmorigin	osd_parent_material_origin	Choice	Smallint	no						no	parent_material_origin
12	Record When Last Updated	recwlastupdated	record_when_last_updated	Date/Time	Datetime	no						no	
13	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						no	
14	Rec ID	osdsitepmiid	osd_site_parent_material_iid	Integer	Int	yes						no	

The Site Parent Material table lists the individual parent materials, and their vertical sequence, from which the soil at this site developed. The Parent Material Group Name is shown above in the Site table.

NASIS 7.4.2 Tables and Columns

Table Physical Name: osdsiterefecmdoc

Table Label: OSD Site Reference ECM Documents

Table Logical Name: osd_site_ref_ecm_doc

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	osdsiteiidref	osd_site_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	ECM Document Type	ecmdoctype	ecm_document_type	Choice	Smallint	no						no	document_kind
4	ECM Document Name	ecmdocname	ecm_document_name	String	Varchar	no	255					no	
5	ECM Document URL	ecmdockeyurl	ecm_document_key_url	Hyperlink	Varchar	no	138					no	
6	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
7	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						no	
8	Rec ID	osdsiterefecmdociid	osd_site_ref_ecm_doc_iid	Integer	Int	yes						no	

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NASIS 7.4.2 Tables and Columns

Table Physical Name: osdsitesurffrags

Table Label: OSD Site Surface Fragments

Table Logical Name: osd_site_surface_fragments

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	osdsiteobsiidref	osd_site_observation_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	Surface Fragment Cover Pct	osdsfragcovpct	osd_surface_frag_cover_percent	Float	Real	no	2	0	100	percent	no		
4	Surface Fragment Cover Pct Range	osdsurfacefragcoverpctrng	osd_surf_frag_cover_pct_range	Integer	Int	no			0	100	percent	no	
5	Spacing	osddistlocks	osd_mean_dist_between_rocks	Float	Real	no	2	0	50	meters	no		
6	Surface Fragment Size	osdsfragsize	osd_surface_frag_size	Integer	Smallint	no			2		mm	no	
7	Surface Fragment Size Range	osdsurfacefragsizerng	osd_surface_frag_size_range	Integer	Smallint	no			0	999	mm	no	
8	Kind	osdsfragkind	osd_surface_frag_kind	Choice	Smallint	no						no	fragment_kind
9	Shape	osdsfragshp	osd_surface_frag_shape	Choice	Smallint	no						no	fragment_shape
10	Roundness	osdsfraground	osd_surface_frag_roundness	Choice	Smallint	no						no	fragment_roundness
11	Hardness	osdsfraghard	osd_surface_frag_hardness	Choice	Smallint	no						no	rupture_resist_block_cem
12	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
13	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						no	
14	Rec ID	osdsitesurffragsiid	osd_site_surface_fragments_iid	Integer	Int	yes						no	

The Site Surface Fragments table lists the organic or mineral fragments on the surface of the soil at the time of observation. A separate row is entered for each size and lithology found.

NASIS 7.4.2 Tables and Columns

Table Physical Name: osdsitetext

Table Label: OSD Site Text

Table Logical Name: osd_site_text

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	osdsiteiidref	osd_site_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	Record Date	recdate	record_date	Date/Time	Datetime	no						no	
4	Author	recauthor	record_author	String	Varchar	no	25					no	
5	Kind	sitetextkind	site_text_kind	Choice	Smallint	no						no	site_text_kind
6	Category	textcat	text_category	String	Varchar	no	20					no	
7	Subcategory	textsubcat	text_subcategory	String	Varchar	no	20					no	
8	Text Entry	textentry	text_entry	Narrative Text	Varchar(max)	no						no	
9	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
10	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						no	
11	Rec ID	osdsitetextiid	osd_site_text_iid	Integer	Int	yes						no	

The Site Text table contains notes and narrative descriptions for this pedon as a whole that cannot be described using existing data elements in other tables. In many cases, the table will be empty.

NASIS 7.4.2 Tables and Columns

Table Physical Name: othercovercropsinrotation

Table Label: Other Cover Crops in Rotation

Table Logical Name: other_cover_crops_in_rotation

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	croppingpracticesiidref	cropping_practices_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	Other Cover Crop Used in Rotation	othercvrcropinrotation	other_cvr_crop_in_rotation	Choice	Smallint	no						no	cover_crop_grown
4	Other Crop Arrangement	othercroparrangement	other_crop_arrangement	Choice	Smallint	no						no	crop_arrangement
5	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
6	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						no	
7	Rec ID	othercvrcropinrotationiid	other_cvr_crop_in_rotation_iid	Integer	Int	yes						no	

Select crop name from the Domain = cover_crop_name list that have been planted throughout the rotation.

NASIS 7.4.2 Tables and Columns

Table Physical Name: othercropsgrown

Table Label: Other Crops Grown

Table Logical Name: other_crops_grown

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	croppingpracticesiidref	cropping_practices_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	Crop Name	cropname	crop_name	Choice	Smallint	no						no	crop_name
4	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
5	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						no	
6	Rec ID	othercropgrowniid	other_crop_grown_iid	Integer	Int	yes						no	

Select crop name from the Domain = crop_name list that are grown in the crop season on the DSP study site.

NASIS 7.4.2 Tables and Columns

Table Physical Name: othercropsinrotation

Table Label: Other Crops in Rotation

Table Logical Name: other_crops_in_rotation

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	croppingpracticesiidref	cropping_practices_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	Crop Name	cropname	crop_name	Choice	Smallint	no						no	crop_name
4	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
5	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						no	
6	Rec ID	othercropinrotationiid	other_crop_in_rotation_iid	Integer	Int	yes						no	

Select crop name from the Domain = crop_name list that have been planted throughout the rotation.

NASIS 7.4.2 Tables and Columns

Table Physical Name: othvegclass

Table Label: Other Vegetative Classification

Table Logical Name: other_veg_classification

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	ovegcltypidref	oth_veg_class_type_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Other Veg Class ID	ovegclid	oth_veg_class_id	String	Varchar	yes	30					yes	
4	Other Veg Class Name	ovegclname	oth_veg_class_name	String	Varchar	yes	254					yes	
5	Other Veg Class Description	ovegcldesc	oth_veg_class_description	Narrative Text	Varchar(max)	no						yes	
6	Obsolete?	obterm	obsolete_term	Boolean	Bit	yes						yes	
7	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
8	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
9	Rec ID	ovegcliid	oth_veg_class_iid	Integer	Int	yes						yes	

The Other Vegetative Classification table is designed to record the individual "sites" that belong to a particular vegetative classification type in the Other Vegetation Classification Type table.

NASIS 7.4.2 Tables and Columns

Table Physical Name: othvegclasstype

Table Label: Other Vegetative Classification Type

Table Logical Name: other_vegetation_class_type

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Other Veg Class Type Name	ovegcltypname	oth_veg_class_type_name	String	Varchar	yes	60					yes	
2	Other Veg Class Type Reference	ovegcltypref	oth_veg_class_type_reference	String	Varchar	no	254					yes	
3	Other Veg Class Type Description	ovegcltypdesc	oth_veg_class_type_description	Narrative Text	Varchar(max)	no						yes	
4	Other Veg Class Type NASIS Site	ovegcltypdbiidref	oth_veg_class_type_db_iid_ref	Integer	Int	yes						yes	
5	NASIS Group	grpdiidref	group_iid_ref	Integer	Int	yes						yes	
6	Object Last Updated	objwltupdated	object_when_last_updated	Date/Time	Datetime	no						yes	
7	Object Last Updated By	objuseriidref	object_user_iid_ref	Integer	Int	no						yes	
8	Record When Last Updated	recwltupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
9	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
10	Rec ID	ovegcltypiid	oth_veg_class_type_iid	Integer	Int	yes						yes	

The Other Vegetative Classification Type table is designed to store vegetative classification types other than those defined according to NRCS standards. An example is the USFS Forest Habitat type. The individual "sites" that belong to each classification type are recorded in the Other Vegetation Classification table. Ecological sites defined according to NRCS standards are recorded in the Ecological Site table.

NASIS 7.4.2 Tables and Columns

Table Physical Name: paoccurrence

Table Label: Plant Area Occurrence

Table Logical Name: plant_area_occurrence

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	plantidref	plant_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Area	areaiidref	area_iid_ref	Integer	Int	yes						yes	
4	Area Common Name	plantareacomnm	plant_area_common_name	String	Varchar	no	100					yes	
5	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
6	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
7	Rec ID	plantareaociid	plant_area_occurrence_iid	Integer	Int	yes						yes	

The Plant Area Occurrence table records the geographic areas in which a plant can be expected to be found. This table also optionally records the most widely used common name by which a plant is referred to in a geographic area.

NASIS 7.4.2 Tables and Columns

Table Physical Name: **pediagfeatrefecmdoc**

Table Label: Pedon Diagnostic Features Reference ECM Documents

Table Logical Name: **pedon_diag_feat_ref_ecm_doc**

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	pediagfeatidref	pedon_diag_feat_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	ECM Document Type	ecmdoctype	ecm_document_type	Choice	Smallint	no						no	document_kind
4	ECM Document Name	ecmdocname	ecm_document_name	String	Varchar	no	255					no	
5	ECM Document URL	ecmdockeyurl	ecm_document_key_url	Hyperlink	Varchar	no	138					no	
6	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
7	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						no	
8	Rec ID	pediagfeatrefecmdociid	pedon_diagfeat_ref_ecm_doc_iid	Integer	Int	yes						no	

This table contains hyperlink(s) to document(s) stored in the Enterprise Content Management (ECM) system that are additional documentation of the pedon. A separate row is entered for each document stored in the ECM. The kinds of documents that can be stored are: Audio, images, diagrams, powerpoint presentations, spreadsheets, text (plain text or other word processing program), PDF, and video.

NASIS 7.4.2 Tables and Columns

Table Physical Name: **pediagfeatures**

Table Label: Pedon Diagnostic Features

Table Logical Name: pedon_diagnostic_features

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	peiidref	pedon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Top Depth	featdept	diag_horz_feat_depth_to_top	Integer	Smallint	no			0	9999	cm	yes	
4	Bottom Depth	featdepb	diag_horz_feat_depth_to_botm	Integer	Smallint	no			0	9999	cm	yes	
5	Thickness	featthick	diag_horz_feat_thickness	Integer	Smallint	no			0	9999	cm	yes	
6	Kind	featkind	diag_horz_feat_kind	Choice	Smallint	no						yes	diag_horz_feat_kind
7	Record When Last Updated	recwlupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
8	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
9	Rec ID	pediagfeatiid	ped_diagnostic_features_iid	Integer	Int	yes						yes	

The Pedon Diagnostic Features table lists elements that describe individual diagnostic horizons and features, as defined in Soil Taxonomy, for the pedon being described. The rows in this table, as a group, describe the situation for this pedon.

NASIS 7.4.2 Tables and Columns

Table Physical Name: pedon

Table Label: Pedon

Table Logical Name: pedon

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Site/Site Obs	siteobsidref	site_observation_iid_ref	Integer	Int	yes						yes	
2	User Pedon ID	upedonid	user_pedon_id	String	Varchar	yes	60					yes	
3	Pedon Record Origin	pedrecorigin	pedon_record_origin	String	Varchar	no	60					yes	
4	Describer Name	descname	describers_name	String	Varchar	no	150					yes	
5	Current Taxon Name	taxonname	taxon_name	String	Varchar	no	60					yes	
6	Local Phase	localphase	local_phase	String	Varchar	no	40					yes	
7	Current Taxonomic Class	taxclname	taxonomic_classification_name	String	Varchar	no	120					yes	
8	Current Taxon Kind	taxonkind	taxon_kind	Choice	Smallint	no						yes	component_kind
9	Pedon Type	pedontype	pedon_type	Choice	Smallint	no						yes	pedon_type
10	Pedon Purpose	pedonpurpose	pedon_desc_purpose	Choice	Smallint	no						yes	pedon_purpose
11	Pedon #	pedonunit	pedon_unit	Integer	Smallint	no			1	9999		yes	
12	Certified Lab Pedon Description	labdataidref	lab_data_description_flag	Boolean	Bit	yes						yes	
13	Exposure Width	relexpwidth	relative_exposure_width	Integer	Smallint	no			1		cm	yes	
14	Erosion Class	erocl	erosion_class	Choice	Smallint	no						yes	erosion_class
15	Lab Source ID	labsourceid	laboratory_source_id	String	Varchar	no	7					yes	
16	Lab Pedon #	pedlabsampnum	pedon_lab_sample_number	String	Varchar	no	12					yes	
17	Transect	tsectidref	transect_iid_ref	Integer	Int	no						yes	
18	Transect Stop Number	tsectstopnum	transect_stop_number	Integer	Smallint	no			1			yes	
19	Transect Interval	tsectinterval	transect_interval	Float	Real	no		1	0.1		meters	yes	
20	RaCA Point Nmbr	rcapointnumber	rca_point_number	Integer	Int	no			1	5		yes	
21	Soil Replicate Nmbr	soilreplicatenumber	soil_replicate_number	Integer	Int	no			1			yes	
22	Azimuth From Plot Center	azimuthfromplotcenter	azimuth_from_plot_center	Integer	Int	no			0	360		yes	
23	Distance From Plot Center	distancefromplotcenter	distance_from_plot_center	Float	Real	no		1	0		meters	yes	
24	Rectangular Plot Line Nmbr	rectangularplotlinenumber	rectangular_plot_line_number	Integer	Int	no			1	10		yes	
25	Distance From Baseline	distancefrombaseline	distance_from_baseline	Float	Real	no		1	0	35	meters	yes	
26	Pedoderm Class	pedodermclass	pedoderm_class	Choice	Smallint	no						yes	pedoderm_class
27	Pedoderm Loose Cover Indicator	pedodermcovind	pedoderm_loose_cover_indicator	Boolean	Bit	yes						yes	
28	Biol Crust Type Dominant	biolcrusttypedom	biological_crust_type_dom	Choice	Smallint	no						yes	biological_crust_type
29	Biol Crust Type Secondary	biolcrusttypesecond	biological_crust_type_second	Choice	Smallint	no						yes	biological_crust_type
30	Physical Crust Subtype	physcrustsubtype	physical_crust_subtype	Choice	Smallint	no						yes	physical_crust_subtype
31	Crust Dev Class	crustdevcl	crust_development_class	Choice	Smallint	no						yes	crust_development_class
32	Range Veg Canopy Type Dominant	rangevegcanopytypedom	range_veg_canopy_type_dom	Choice	Smallint	no						yes	vegetation_canopy_type
33	Range Veg Canopy Type Secondary	rangevegcanopytypesec	range_veg_canopy_type_sec	Choice	Smallint	no						yes	vegetation_canopy_type
34	Forest Overstory Veg Type	forestoverstoryvegtype	forest_overstory_veg_type	Choice	Smallint	no						yes	vegetation_canopy_type
35	Forest Understory Veg Type	forestunderstoryvegtype	forest_understory_veg_type	Choice	Smallint	no						yes	vegetation_canopy_type
36	Forest Groundcover Veg Type Dominant	forestgroundcovvegtypedom	forest_groundcov_veg_type_dom	Choice	Smallint	no						yes	vegetation_canopy_type
37	Forest Groundcover Veg Type Secondary	forestgroundcovvegtypesec	forest_groundcov_veg_type_sec	Choice	Smallint	no						yes	vegetation_canopy_type
38	Agronomic Feature	agronomicfeature	agronomic_feature	Choice	Smallint	no						yes	agronomic_feature
39	Other Feature Description	otherfeaturedescription	other_feature_description	String	Varchar	no	100					yes	
40	Current Crop	currentcropname	current_crop_name	Choice	Smallint	no						yes	crop_name
41	Litter Cover Pct	littercoverpct	litter_cover_percent	Integer	Smallint	no			0	100	percent	yes	
42	Residue Description	residuedescription	residue_description	String	Varchar	no	256					yes	
43	Hydric	pedonhydricrating	pedon_hydric_rating	Boolean	Bit	yes						yes	
44	Pedon Cert Status	pecertstatus	pedon_certification_status	Choice	Smallint	no						yes	pedon_cert_status

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
45	QC Status	peqcstatus	quality_control_status	Choice	Smallint	no						yes	qc_qa_status
46	QA Status	peqastatus	quality_assurance_status	Choice	Smallint	no						yes	qc_qa_status
47	SAS Pipe Length Total	saspipelelengthtot	sas_pipe_length_total	Float	Real	no		1			cm	yes	
48	SAS Pipe Length External	saspipelelengthext	sas_pipe_length_external	Float	Real	no		1			cm	yes	
49	SAS Pipe Length Unfilled	saspipelelengthunfilled	sas_pipe_length_unfilled	Float	Real	no		1			cm	yes	
50	SAS Core Settlement	sascoresettlement	sas_core_settlement	Float	Real	no		1			cm	yes	
51	SAS Core Length	sascorelength	sas_core_length	Float	Real	no		1			cm	yes	
52	SAS Core Storage Site	sascorestoragesite	sas_core_storage_site	String	Varchar	no	30					yes	
53	SAS Exposure Begin	sasexposurebegin	sas_exposure_begin	Date/Time	Datetime	no						yes	
54	SAS Exposure End	sasexposureend	sas_exposure_end	Date/Time	Datetime	no						yes	
55	Pedon NASIS Site	pedbiidref	pedon_database_iid_ref	Integer	Int	yes						yes	
56	NASIS Group	grpbiidref	group_iid_ref	Integer	Int	yes						yes	
57	Object Last Updated	objwupdated	object_when_last_updated	Date/Time	Datetime	no						yes	
58	Object Last Updated By	objuseridref	object_user_iid_ref	Integer	Int	no						yes	
59	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
60	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
61	Rec ID	peiid	pedon_iid	Integer	Int	yes						yes	

The Pedon table contains information collected at the time a soil profile description is made. It has data that relates to the profile as a whole.

NASIS 7.4.2 Tables and Columns

Table Physical Name: pedondbcolumnmetadata

Table Label: Pedon Database Column Metadata

Table Logical Name: pedon_db_column_metadata

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Pedon Database Table ID	pedondbtableid	pedon_db_table_id	Integer	Int	yes						no	
2	Pedon Database Column ID	pedondbcolumnid	pedon_db_column_id	Integer	Int	yes						no	
3	Pedon Database Column Sequence	pedondbcolumnsequence	pedon_db_column_sequence	Integer	Smallint	yes						no	
4	Pedon Database Column Name	pedondbcolumnname	pedon_db_column_name	String	Varchar	yes	33					no	
5	Import Pedon Diagnostic Message Column Label	ipdiagmsgcolumnlabel	ip_diag_msg_column_label	String	Varchar	yes	80					no	

This table records information used to generate diagnostic messages related to columns during the import of pedon data from a pedon database.

NASIS 7.4.2 Tables and Columns

Table Physical Name: pedondbtablemetadata

Table Label: Pedon Database Table Metadata

Table Logical Name: pedon_db_table_metadata

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Pedon Database Table ID	pedondbtableid	pedon_db_table_id	Integer	Int	yes						no	
2	Pedon Database Table Name	pedondbtablename	pedon_db_table_name	String	Varchar	yes	33					no	
3	Pedon Database Object Name	pedondbobjectname	pedon_db_object_name	String	Varchar	yes	30					no	
4	Import Pedon Diagnostic Message Table Label	ipdiagmsgtablelabel	ip_diag_msg_table_label	String	Varchar	yes	80					no	
5	Import Pedon Diagnostic Message SQL Statement	ipdiagmsgsqlstmt	ip_diag_msg_sql_stmt	Narrative Text	Varchar(max)	yes						no	

This table records information used to generate diagnostic messages related to tables during the import of pedon data from a pedon database.

NASIS 7.4.2 Tables and Columns

Table Physical Name: pedonrefecmdoc

Table Label: Pedon Reference ECM Documents

Table Logical Name: pedon_ref_ecm_doc

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	peiidref	pedon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	ECM Document Type	ecmdoctype	ecm_document_type	Choice	Smallint	no						no	document_kind
4	ECM Document Name	ecmdocname	ecm_document_name	String	Varchar	no	255					no	
5	ECM Document URL	ecmdockeyurl	ecm_document_key_url	Hyperlink	Varchar	no	138					no	
6	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
7	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						no	
8	Rec ID	pedonrefecmdociid	pedon_ref_ecm_doc_iid	Integer	Int	yes						no	

This table contains hyperlink(s) to document(s) stored in the Enterprise Content Management (ECM) system that are additional documentation of the pedon. A separate row is entered for each document stored in the ECM. The kinds of documents that can be stored are: Audio, images, diagrams, powerpoint presentations, spreadsheets, text (plain text or other word processing program), PDF, and video.

NASIS 7.4.2 Tables and Columns

Table Physical Name: pefmp

Table Label: Pedon Field Measured Property

Table Logical Name: pedon_field_meas_prop

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	peiidref	pedon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Field Measured Property Name	fmpname	field_meas_property_name	String	Varchar	no	80					yes	
4	Field Measured Property Value	fmpvalue	field_meas_property_value	Float	Float	no		2				yes	
5	UOM	fmpunits	field_meas_property_units	String	Varchar	no	30					yes	
6	Record When Last Updated	recwlastupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
7	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
8	Rec ID	pefmpiid	ped_field_meas_prop_iid	Integer	Int	yes						yes	

The Pedon Field Measured Property table contains the results of field or office conducted soil property analyses that apply to the profile as a whole, that cannot be stored elsewhere in the database as separate data elements in other tables. Analyses that apply to specific horizons are entered into the Pedon Horizon Field Measured Property table.

NASIS 7.4.2 Tables and Columns

Table Physical Name: pehydricfieldindicator

Table Label: Pedon Hydric Field Indicator

Table Logical Name: pedon_hydric_field_indicator

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	peiidref	pedon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Hydric Field Indicator	hydricsoilfieldindicator	hydric_soil_field_indicator	Choice	Smallint	yes						yes	hydric_soil_indicator
4	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
5	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
6	Rec ID	pehydricfieldindiid	pedon_hydric_field_ind_iid	Integer	Int	yes						yes	

This table records the hydric field indicator(s) present at this location.

NASIS 7.4.2 Tables and Columns

Table Physical Name: peinfilcornelldata

Table Label: Pedon Infiltration Cornell Infiltrometer Data

Table Logical Name: pedon_infiltration_cornll_data

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	peinfilcornelliidref	pedon_infil_cornell_iid_ref	Integer	Int	yes						no	
2	Run Nmbr	infiltrationrunnum	infiltration_run_number	Integer	Int	yes			1			yes	
3	Delta Time	deltatime	delta_time	Float	Real	yes		2	0.01	2000	min	yes	
4	Vol of Water Collected	volwatercollected	vol_water_collected	Integer	Int	yes			1		ml	yes	
5	Infiltration Rate	infiltrationmeasured	infiltration_measured	Float	Real	no		2	0		cm/hr	yes	
6	Incremental Runoff Rate	incrrunoffrate	incr_runoff_rate	Integer	Int	yes					cm/min	yes	
7	Incremental Infiltration Rate	incrinfiltrationrate	incr_infiltration_rate	Integer	Int	yes						yes	
8	Steady State Flag	steadystateflag	steady_state_flag	Boolean	Bit	yes						yes	
9	Record When Last Updated	recwlastupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
10	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
11	Rec ID	peinfilcornelldataiid	pedon_infil_cornell_data_iid	Integer	Int	yes						yes	

This table records the actual data measurements of a replication of infiltration data collected by Cornell Infiltrometer method for a particular pedon on a particular date. Ref. Cornell Sprinkle Infiltrometer Manual.

NASIS 7.4.2 Tables and Columns

Table Physical Name: peinfilcornell

Table Label: Pedon Infiltration Cornell Infiltrometer

Table Logical Name: pedon_infiltration_cornell

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	peinfilsumiidref	pedon_infil_summary_iid_ref	Integer	Int	yes						no	
2	Test Date	testdate	test_date	Date/Time	Datetime	yes						yes	
3	Rep Nmbr	repnum	replicate_number	Integer	Int	yes			1			yes	
4	Notes	notes	notes	Narrative Text	Varchar(max)	no						yes	
5	Ring Insert Depth	ringinsertiondepth	ring_insertion_depth	Float	Real	yes	1	0.1	50		cm	yes	
6	Ring Radius	ringradius	ring_radius	Float	Real	yes	2	0.1	50		cm	yes	
7	Rainfall Height	rainfallheight	rainfall_height	Float	Real	no	1	0.1	100		cm	yes	
8	Begin Water Height	beginwaterheight	begin_water_height	Float	Real	no	1	0.1	100.1		cm	yes	
9	End Water Height	endwaterheight	end_water_height	Float	Real	no	1	0.1	100.1		cm	yes	
10	Calibrated Sprinkle Rate	calibratedsprinklerate	calibrated_sprinkle_rate	Float	Real	no	1	1.1	50.1		cm	yes	
11	Time to Runoff	timetorunoff	time_to_runoff	Integer	Int	no			1		min	yes	
12	Total Time	totaltime	total_time	Integer	Int	no			1		min	yes	
13	Soil Type Conversion	soiltypeconversion	soil_type_conversion	Choice	Smallint	no						yes	soil_type_conversion
14	Representative Rainfall Rate	representativerainfallrate	representative_rainfall_rate	Float	Real	no	1				cm/min	yes	
15	Infiltration Rate	infiltrationrate	infiltration_rate	Float	Real	no	2	0			cm/hr	yes	
16	Runoff Rate	runoffrate	runoff_rate	Float	Real	no	2	0			cm/min	yes	
17	Sorptivity	sorptivity	sorptivity	Float	Real	no	2	0			cm/(hr(0.5))	yes	
18	Field Saturated Infiltrability	fieldsaturatedinfiltrability	field_saturated_infiltrability	Float	Real	no	2	0				yes	
19	Record When Last Updated	recwlastupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
20	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
21	Rec ID	peinfilcornelliid	pedon_infil_cornell_iid	Integer	Int	yes						yes	

This table records the summarization of a replication of infiltration data collected by the Cornell Sprinkle Infiltrometer method for a particular pedon on a particular date. Ref. Cornell Sprinkle Infiltrometer Manual.

NASIS 7.4.2 Tables and Columns

Table Physical Name: peinfiltrationch

Table Label: Pedon Infiltration Constant Head

Table Logical Name: pedon_infiltration_const_head

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	peinfilsumiidref	pedon_infil_summary_iid_ref	Integer	Int	yes						no	
2	Test Date	testdate	test_date	Date/Time	Datetime	yes						yes	
3	Rep Nmbr	repnum	replicate_number	Integer	Int	yes			1			yes	
4	Infiltration Rate	infiltrationmeasured	infiltration_measured	Float	Real	no	2	0			cm/hr	yes	
5	Ring Configuration	infiltrationringconfig	infiltration_ring_config	Choice	Smallint	yes						yes	ring_configuraton
6	Ring Insertion Depth	ringinsertiondepth	ring_insertion_depth	Float	Real	yes	1	0.1	50		cm	yes	
7	Ring Radius	ringradius	ring_radius	Float	Real	yes	2	0.1	50		cm	yes	
8	Water Ponding Depth	waterponddepth	water_ponding_depth	Float	Real	yes	1	0	50		cm	yes	
9	Mariotte Bottle Radius	mariottebottleradius	mariotte_bottle_radius	Float	Real	no	2	0.1	50		cm	yes	
10	Notes	notes	notes	Narrative Text	Varchar(max)	no						yes	
11	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
12	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
13	Rec ID	peinfilconstheadiid	pedon_infil_const_head_iid	Integer	Int	yes						yes	

This table records the summarization of a replication of infiltration data collected by constant head method for a particular pedon on a particular date.

NASIS 7.4.2 Tables and Columns

Table Physical Name: peinfiltrationchdata

Table Label: Pedon Infiltration Constant Head Data

Table Logical Name: pedon_infiltration_ch_data

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	peinfilconstheadiidref	pedon_infil_const_head_iid_ref	Integer	Int	yes						no	
2	Run Nmbr	infiltrationrunnum	infiltration_run_number	Integer	Int	yes			1			yes	
3	Water Drop	waterdrop	water_drop	Float	Real	yes		1	0		cm	yes	
4	Delta Time	deltatime	delta_time	Float	Real	yes		2	0.01	2000	min	yes	
5	Infiltration Rate	infiltrationmeasured	infiltration_measured	Float	Real	no		2	0		cm/hr	yes	
6	Steady State Flag	steadystateflag	steady_state_flag	Boolean	Bit	yes						yes	
7	Record When Last Updated	recwlupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
8	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
9	Rec ID	peinfilchdataiid	pedon_infil_ch_data_iid	Integer	Int	yes						yes	

This table records the actual data measurements of a replication of infiltration data collected by constant head method for a particular pedon on a particular date.

NASIS 7.4.2 Tables and Columns

Table Physical Name: peinfiltrationfh

Table Label: Pedon Infiltration Falling Head

Table Logical Name: pedon_infiltration_fall_head

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	peinfilsumiidref	pedon_infil_summary_iid_ref	Integer	Int	yes						no	
2	Test Date	testdate	test_date	Date/Time	Datetime	yes						yes	
3	Rep Nmbr	repnum	replicate_number	Integer	Int	yes			1			yes	
4	Infiltration Rate	infiltrationmeasured	infiltration_measured	Float	Real	no		2	0		cm/hr	yes	
5	Ring	infiltrationringconfig	infiltration_ring_config	Choice	Smallint	yes						yes	ring_configuraton
6	Ring Insertion Depth	ringinsertiondepth	ring_insertion_depth	Float	Real	yes		1	0.1	50	cm	yes	
7	Ring Radius	ringradius	ring_radius	Float	Real	yes		2	0.1	50	cm	yes	
8	Notes	notes	notes	Narrative Text	Varchar(max)	no						yes	
9	Record When Last Updated	recwlupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
10	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
11	Rec ID	peinfilfallheadiid	pedon_infil_fall_head_iid	Integer	Int	yes						yes	

This table records the summarization of a replication of infiltration data collected by falling head method for a particular pedon on a particular date.

NASIS 7.4.2 Tables and Columns

Table Physical Name: peinfiltrationfhdata

Table Label: Pedon Infiltration Falling Head Data

Table Logical Name: pedon_infiltration_fh_data

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	peinfilfallheadiidref	pedon_infil_fall_head_iid_ref	Integer	Int	yes						no	
2	Run Nmbr	infiltrationrunnum	infiltration_run_number	Integer	Int	yes			1			yes	
3	Delta Time	deltatime	delta_time	Float	Real	yes		2	0.01	2000	min	yes	
4	Water Volume	infiltrationwatervolume	infiltration_water_volume	Float	Real	yes		2	0		ml	yes	
5	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
6	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
7	Rec ID	pedoninfilfhdataiid	pedon_infil_fh_data_iid	Integer	Int	yes						yes	

This table records the actual data measurements of a replication of infiltration data collected by falling head method for a particular pedon on a particular date.

NASIS 7.4.2 Tables and Columns

Table Physical Name: peinfiltrationsummary

Table Label: Pedon Infiltration Summary

Table Logical Name: pedon_infiltration_summary

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	peiidref	pedon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Test Date	testdate	test_date	Date/Time	Datetime	yes						yes	
4	Data Collector	datacollector	data_collector	String	Varchar	no	60					yes	
5	Infiltration Mean	infiltrationmean	infiltration_mean	Float	Real	no		2	0		cm/hr	yes	
6	Infiltration Std Dev	infiltrationstddev	infiltration_std_dev	Float	Real	no		2	0			yes	
7	Test Method	infiltrationtestmethod	infiltration_test_method	Choice	Smallint	yes						yes	infiltration_test_method
8	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
9	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
10	Rec ID	pedoninfilsumiid	pedon_infil_summary_iid	Integer	Int	yes						yes	

This table records the summarization of infiltration data collected for a particular pedon on a particular date.

NASIS 7.4.2 Tables and Columns

Table Physical Name: pepenetrationresistance

Table Label: Pedon Penetration Resistance

Table Logical Name: pedon_penetration_resistance

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	peiidref	pedon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Depth	penetrometerdepth	penetrometer_depth	Integer	Int	yes			0	9999	cm	yes	
4	Observed Moist Staus	obssoimoiststat	observed_soil_moisture_status	Choice	Smallint	no						yes	observed_soil_moisture_status
5	Tip Type	penetrometertiptype	penetrometer_tip_type	Choice	Smallint	yes						yes	penetrometer_tip_type
6	Spring Type	penetrometerspringtype	penetrometer_spring_type	Choice	Smallint	yes						yes	penetrometer_spring_type
7	Penetration Orientation	penetorient	penetration_orientation	Choice	Smallint	yes						yes	penetration_orientation
8	Reading 1	penetrometerreading1	penetrometer_reading_1	Float	Real	yes		2	0.25	4.75	tons/ft2	yes	
9	Reading 2	penetrometerreading2	penetrometer_reading_2	Float	Real	no		2	0.25	4.75	tons/ft2	yes	
10	Reading 3	penetrometerreading3	penetrometer_reading_3	Float	Real	no		2	0.25	4.75	tons/ft2	yes	
11	Reading 4	penetrometerreading4	penetrometer_reading_4	Float	Real	no		2	0.25	4.75	tons/ft2	yes	
12	Data Collector	datacollector	data_collector	String	Varchar	no	60					yes	
13	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
14	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
15	Rec ID	pepenetrometeriid	pedon_penetrometer_resist_iid	Integer	Int	yes						yes	

This table records penetration resistance data for a particular pedon.

NASIS 7.4.2 Tables and Columns

Table Physical Name: perestrictions

Table Label: Pedon Restrictions

Table Logical Name: pedon_restrictions

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	peiidref	pedon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Top Depth	resdept	restriction_depth_to_top	Integer	Smallint	no			0	9999	cm	yes	
4	Bottom Depth	resdepb	restriction_depth_to_bottom	Integer	Smallint	no			0	9999	cm	yes	
5	Thickness	resthk	restriction_thickness	Integer	Smallint	no			0	999	cm	yes	
6	Kind	reskind	restriction_kind	Choice	Smallint	no						yes	restriction_kind
7	Hardness	reshard	restriction_hardness	Choice	Smallint	no						yes	rupture_resist_block_cem
8	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
9	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
10	Rec ID	perestrictiid	ped_restrictions_iid	Integer	Int	yes						yes	

The Pedon Restrictions table lists the root restrictive features or layers for this pedon. If the thickness of the restrictive layer is greater than zero (low=5, RV=8, high=10), the restrictive layer exists throughout the pedon. If the thickness of the restrictive layer includes zero (low=0, RV=2, high=5), this restrictive layer may exist in parts of the pedon, but not in others. This table will be empty if the pedon does not have any restrictive features, but could have several rows if several restrictive layers occur in the soil.

NASIS 7.4.2 Tables and Columns

Table Physical Name: perestrictionsrefecmdoc

Table Label: Pedon Restrictions Reference ECM Documents

Table Logical Name: pedon_restrictions_ref_ecm_doc

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	perestrictionsiidref	pedon_restrictions_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	ECM Document Type	ecmdoctype	ecm_document_type	Choice	Smallint	no						no	document_kind
4	ECM Document Name	ecmdocname	ecm_document_name	String	Varchar	no	255					no	
5	ECM Document URL	ecmdockeyurl	ecm_document_key_url	Hyperlink	Varchar	no	138					no	
6	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
7	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						no	
8	Rec ID	perestrictsrefecmdociid	perestrictions_ref_ecm_doc_iid	Integer	Int	yes						no	

This table holds documents that serve as additional documentation of the pedon restrictions table.

NASIS 7.4.2 Tables and Columns

Table Physical Name: pesoilstability

Table Label: Pedon Soil Stability

Table Logical Name: pedon_soil_stability

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	peiidref	pedon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Depth	soilstabilitydepth	soil_stability_depth	Float	Real	yes		1	0	9999		yes	
4	Sample Collector	samplecollector	sample_collector	String	Varchar	no	60					yes	
5	Data Collector	datacollector	data_collector	String	Varchar	no	60					yes	
6	Test Date	testdate	test_date	Date/Time	Datetime	no						yes	
7	Stability Class Rep 1	soilstabilityclass1	soil_stability_class_rep_1	Choice	Smallint	yes						yes	soil_stability_class
8	Stability Class Rep 2	soilstabilityclass2	soil_stability_class_rep_2	Choice	Smallint	yes						yes	soil_stability_class
9	Stability Class Rep 3	soilstabilityclass3	soil_stability_class_rep_3	Choice	Smallint	yes						yes	soil_stability_class
10	Stability Class Predominant	soilstabilityclasspredom	soil_stability_class_predom	Choice	Smallint	no						yes	soil_stability_class
11	Rep 1 Hydrophobic	soilhydrophobicind1	soil_hydrophobic_indicator_1	Boolean	Bit	yes						yes	
12	Rep 2 Hydrophobic	soilhydrophobicind2	soil_hydrophobic_indicator_2	Boolean	Bit	yes						yes	
13	Rep 3 Hydrophobic	soilhydrophobicind3	soil_hydrophobic_indicator_3	Boolean	Bit	yes						yes	
14	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
15	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
16	Rec ID	pesoilstabilityiid	pedon_soil_stability_iid	Integer	Int	yes						yes	

This table records data collected related to soil aggregate stability.

NASIS 7.4.2 Tables and Columns

Table Physical Name: petaxhistfmmin

Table Label: Pedon Taxonomic History Family Mineralogy

Table Logical Name: pedon_tax_hist_fam_mineralogy

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	pedtaxhistoryiidref	ped_tax_history_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Vertical Order	minorder	mineralogy_order	Integer	Smallint	yes			1			yes	
4	Mineralogy	taxminalogy	taxonomic_family_mineralogy	Choice	Smallint	yes						yes	taxonomic_family_mineralogy
5	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
6	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
7	Rec ID	petaxfmminiid	ped_tax_history_fam_min_iid	Integer	Int	yes						yes	

The Pedon Taxonomic History Family Mineralogy table lists the mineralogy characteristics that apply to this pedon. The characteristics listed in this table, as a group, describe the representative situation for this pedon.

NASIS 7.4.2 Tables and Columns

Table Physical Name: petaxhistmoistcl

Table Label: Pedon Taxonomic History Moisture Class

Table Logical Name: pedon_tax_hist_moisture_class

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	pedtaxhistoryiidref	ped_tax_history_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Moisture Class	taxmoistcl	taxonomic_moisture_class	Choice	Smallint	yes						yes	taxonomic_moisture_class
4	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
5	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
6	Rec ID	petaxmciid	ped_tax_hist_moisture_cl_iid	Integer	Int	yes						yes	

The Pedon Taxonomic History Moisture Class table provides clear identification of the intended taxonomic moisture class, 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 pedon.

NASIS 7.4.2 Tables and Columns

Table Physical Name: petaxhistory

Table Label: Pedon Taxonomic History

Table Logical Name: pedon_tax_history

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	peiidref	pedon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Classification Date	classdate	classification_date	Date/Time	Datetime	yes						yes	
4	Classification Type	classtype	classification_type	Choice	Smallint	no						yes	classification_type
5	Classifier	classifier	classifier	String	Varchar	no	60					yes	
6	Taxon Name	taxonname	taxon_name	String	Varchar	yes	60					yes	
7	Local Phase	localphase	local_phase	String	Varchar	no	40					yes	
8	Taxon Kind	taxonkind	taxon_kind	Choice	Smallint	no						yes	component_kind
9	Series Status	seriesstatus	series_status	Choice	Smallint	no						yes	series_status
10	Taxonomic Class	taxclname	taxonomic_classification_name	String	Varchar	no	120					yes	
11	Order	taxorder	taxonomic_order	Choice	Smallint	no						yes	taxonomic_order
12	Suborder	taxsuborder	taxonomic_suborder	Choice	Smallint	no						yes	taxonomic_suborder
13	Great Group	taxgrtgroup	taxonomic_great_group	Choice	Smallint	no						yes	taxonomic_great_group
14	Subgroup	taxsubgrp	taxonomic_subgroup	Choice	Smallint	no						yes	taxonomic_subgroup
15	Particle Size	taxpartsize	taxonomic_family_particle_size	Choice	Smallint	no						yes	taxonomic_family_particle_size
16	Particle Size Mod	taxpartsizemod	taxonomic_family_part_size_mod	Choice	Smallint	no						yes	taxonomic_family_part_size_mod
17	CEC Activity Class	taxceactcl	taxonomic_family_c_e_act_class	Choice	Smallint	no						yes	taxonomic_family_c_e_act_class
18	Reaction	taxreaction	taxonomic_family_reaction	Choice	Smallint	no						yes	taxonomic_family_reaction
19	Tax Family Temp Class	taxtempcl	taxonomic_family_temp_class	Choice	Smallint	no						yes	taxonomic_family_temp_class
20	Moist Subclass	taxmoistscl	taxonomic_moisture_subclass	Choice	Smallint	no						yes	taxonomic_moisture_subclass
21	Temp Regime	taxtempregime	taxonomic_temp_regime	Choice	Smallint	no						yes	taxonomic_temp_regime
22	HAHT Material Class	taxfamhahtmatcl	taxonomic_family_haht_mat_cl	Choice	Smallint	no						yes	taxonomic_family_haht_mat_class
23	Keys to Taxonomy Edition Used	soiltaxedition	soil_taxonomy_edition	Choice	Smallint	no						yes	soil_taxonomy_edition
24	PSC Top Depth	psctopdepth	part_size_cntrl_depth_to_top	Integer	Int	no			0	999	cm	yes	
25	PSC Bottom Depth	pscbotdepth	part_size_cntrl_depth_to_bot	Integer	Int	no			0	999	cm	yes	
26	OSD Type Location	osdtypelocflag	osd_type_location_flag	Boolean	Bit	yes						yes	
27	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
28	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
29	Rec ID	petaxhistoryiid	ped_tax_history_iid	Integer	Int	yes						yes	

This table records the taxonomic classification history of a pedon record from the time it is first described and classified in the field and throughout the life of the data record.

NASIS 7.4.2 Tables and Columns

Table Physical Name: **petext**

Table Label: Pedon Text

Table Logical Name: pedon_text

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	peiidref	pedon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Date	recdate	record_date	Date/Time	Datetime	no						yes	
4	Author	recauthor	record_author	String	Varchar	no	25					yes	
5	Kind	pedontextkind	pedon_text_kind	Choice	Smallint	no						yes	pedon_text_kind
6	Category	textcat	text_category	String	Varchar	no	20					yes	
7	Subcategory	textsubcat	text_subcategory	String	Varchar	no	20					yes	
8	Text Entry	textentry	text_entry	Narrative Text	Varchar(max)	no						yes	
9	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
10	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
11	Rec ID	petextiid	ped_text_iid	Integer	Int	yes						yes	

The Pedon Text table contains notes and narrative descriptions for this pedon as a whole that can not be described using existing data elements in other tables. In many cases, the table will be empty. Notes that apply to a specific soil horizon should be entered in the Pedon Horizon Text table.

NASIS 7.4.2 Tables and Columns

Table Physical Name: petxhistfmother

Table Label: Pedon Taxonomic History Family Other Criteria

Table Logical Name: pedon_tax_hist_fam_other

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	pedtaxhistoryiidref	ped_tax_history_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Family Other	taxfamother	taxonomic_family_other	Choice	Smallint	yes						yes	taxonomic_family_other
4	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
5	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
6	Rec ID	petaxfoiid	ped_tax_history_fam_other_iid	Integer	Int	yes						yes	

The Pedon Taxonomic History Family Other Criteria table lists the other taxonomic characteristics, such as classes of coatings or permanent cracks, that apply to the pedon. The characteristics listed in this table, as a group, describe the representative situation for this pedon.

NASIS 7.4.2 Tables and Columns

Table Physical Name: phcemagent

Table Label: Pedon Horizon Cementing Agent

Table Logical Name: phorizon_cement_agent

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	phiidref	phorizon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Cementing Agent	ruprescem	rupture_resist_cem_agent	Choice	Smallint	no						yes	rupture_resist_cem_agent
4	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
5	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
6	Rec ID	phcemagentiid	phor_cement_agent_iid	Integer	Int	yes						yes	

The Pedon Horizon Cementing Agent table describes the chemical compound(s) that act as binding agents in cemented horizons.

NASIS 7.4.2 Tables and Columns

Table Physical Name: phcoledata

Table Label: Pedon Horizon COLE Data

Table Logical Name: phorizon_cole_data

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	phlabresultidref	phor_lab_result_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Rep Nmbr	repnum	replicate_number	Integer	Int	yes			1			yes	
4	COLE Reading	phcolereading	phor_cole_reading	Float	Real	yes	2	0	0.3	cm/cm		yes	
5	COLE Method	phcolemethod	phor_cole_method	Choice	Smallint	yes						yes	cole_method
6	Record When Last Updated	recwlastupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
7	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
8	Rec ID	phcoledataiid	phor_cole_data_iid	Integer	Int	yes						yes	

This table records measurement taken when determining COLE for a particular sample layer.

NASIS 7.4.2 Tables and Columns

Table Physical Name: phcolor

Table Label: Pedon Horizon Color

Table Logical Name: phorizon_color

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	phiidref	phorizon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Color Pct	colorpct	color_percent	Integer	Smallint	no			1	100	percent	yes	
4	Hue	colorhue	color_hue	Choice	Smallint	no						yes	color_hue
5	Value	colorvalue	color_value	Choice	Smallint	no						yes	color_value
6	Chroma	colorchroma	color_chroma	Choice	Smallint	no						yes	color_chroma
7	Phys State	colorphysst	color_physical_state	Choice	Smallint	no						yes	color_physical_state
8	Moist State	colormoistst	color_moisture_state	Choice	Smallint	no						yes	color_moisture_status
9	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
10	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
11	Rec ID	phcoloriid	phor_color_iid	Integer	Int	yes						yes	

The Pedon Horizon Color table describes the Munsell color of the soil matrix of each horizon described. Colors of other features are recorded in other tables used to describe those features.

NASIS 7.4.2 Tables and Columns

Table Physical Name: phconccolor

Table Label: Pedon Horizon Concentrations Color

Table Logical Name: phorizon_concentrations_color

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	phconcentidref	phor_concentrations_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Color Pct	colorpct	color_percent	Integer	Smallint	no			1	100	percent	yes	
4	Hue	colorhue	color_hue	Choice	Smallint	no						yes	color_hue
5	Value	colorvalue	color_value	Choice	Smallint	no						yes	color_value
6	Chroma	colorchroma	color_chroma	Choice	Smallint	no						yes	color_chroma
7	Moist State	colormoistst	color_moisture_state	Choice	Smallint	no						yes	color_moisture_status
8	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
9	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
10	Rec ID	phconccoloriid	phor_conc_color_iid	Integer	Int	yes						yes	

The Pedon Horizon Concentrations Color table describes the Munsell color(s) of an individual concentration described in the Pedon Horizon Concentrations table.

NASIS 7.4.2 Tables and Columns

Table Physical Name: phconcs

Table Label: Pedon Horizon Concentrations

Table Logical Name: phorizon_concentrations

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	phiidref	phorizon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Percent	concpct	concentration_percent	Integer	Smallint	no			1	100	percent	yes	
4	Size	concsz	concentration_size	Choice	Smallint	no						yes	concen_rmf_mottle_size
5	Contrast	concntrst	concentration_contrast	Choice	Smallint	no						yes	concen_rmf_mottle_contrast
6	Hardness	conchardness	concentration_hardness	Choice	Smallint	no						yes	concen_redox_hardness
7	Shape	concsshape	concentration_shape	Choice	Smallint	no						yes	concen_rmf_mottle_shape
8	Kind	conckind	concentration_kind	Choice	Smallint	no						yes	concentration_kind
9	Location	conclocation	concentration_location	Choice	Smallint	no						yes	concen_redox_location
10	Boundary	concboundary	concentration_boundary	Choice	Smallint	no						yes	concen_redox_boundary
11	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
12	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
13	Rec ID	phconceniid	phor_concentrations_iid	Integer	Int	yes						yes	

The Pedon Horizon Concentration table describes accumulations of material (both pedogenic and non-pedogenic) that are identified in each soil profile horizon at the time of description. They may be chemical or biological in nature. Multiple rows may be entered to describe different combinations of size, composition, shape, hardness, etc.

NASIS 7.4.2 Tables and Columns

Table Physical Name: phcracks

Table Label: Pedon Horizon Cracks

Table Logical Name: phorizon_cracks

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	phiidref	phorizon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Frequency	crackfreq	crack_frequency	Integer	Smallint	yes			1		count/m	yes	
4	Kind	crackkind	crack_kind	Choice	Smallint	yes						yes	crack_kind
5	Depth	crackdepth	crack_depth	Float	Real	no		1	.1		cm	yes	
6	Width	crackwidth	crack_width	Float	Real	no		1	.1		cm	yes	
7	Extends to Horizon Above	crackextabove	crack_extend_above	Boolean	Bit	yes						yes	
8	Extends to Horizon Below	crackextbelow	crack_extend_below	Boolean	Bit	yes						yes	
9	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
10	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
11	Rec ID	phcracksiid	phor_cracks_iid	Integer	Int	yes						yes	

The Pedon Horizon Cracks table describes cracks found in a particular soil horizon at the time of description.

NASIS 7.4.2 Tables and Columns

Table Physical Name: phddb

Table Label: Pedon Horizon Bulk Density

Table Logical Name: phorizon_db

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	phiidref	phorizon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Top Depth	bddepthtop	bd_depth_to_top	Integer	Int	yes			0	9999		yes	
4	Bottom Depth	bddepthbottom	bd_depth_to_bottom	Integer	Int	yes			0	9999		yes	
5	Db Method	bdmethod	bulk_density_method	Choice	Smallint	yes						yes	bulk_density_method
6	Data Collector	datacollector	data_collector	String	Varchar	no	60					yes	
7	Field Moist Volume	samplevolfieldmoist	sample_volume_field_moist	Float	Real	no		1	1	10000	cm3	yes	
8	Field Moist Sample Wt	totalsamplewtfm	total_sample_wt_field_moist	Float	Real	no		1	0.1		g	yes	
9	Air Dry Sample Wt	totalsamplewtairdry	total_sample_wt_air_dry	Float	Real	no		1	0.1		g	yes	
10	Field Moist Coarse Fragment Wt	coarsefragwtfm	coarse_frag_wt_field_moist	Float	Real	no		1	0.1		g	yes	
11	Air Dry Fragment Wt	coarsefragwtairdry	coarse_frag_wt_air_dry	Float	Real	no		1	0		g	yes	
12	Fragment Density	coarsefragdensity	coarse_fragment_density	Float	Real	no		2	0.1	5	g/cm3	yes	
13	Coarse Fragment Volume	coarsefragvolmeasured	coarse_frag_vol_measured	Float	Real	no		1	0.1		cm3	yes	
14	Air Dry Subsample Wt	subsamplewtairdry	subsample_wt_air_dry	Float	Real	no		1	0.1		g	yes	
15	Oven Dry Subsample Wt	subsamplewtod	subsample_wt_oven_dry	Float	Real	no		1	0.1		g	yes	
16	Observed Gravimetric Whole Soil Moisture Pct	obsgrsoimoist	obs_grav_soil_moist_percent	Integer	Smallint	no			0	100	percent	yes	
17	Grav Moist Soil Pct Fine Earth	obsgravsoilmoistfe	obs_grav_soil_moist_percent_fe	Integer	Smallint	no			0	100	percent	yes	
18	Bulk Density FM Fine Earth	bdfieldmoistfineearth	bulk_density_fm_fine_earth	Float	Real	no		2	0.02	2.6	g/cm3	yes	
19	Bulk Density FM Whole Soil	bdfieldmoistwhole	bulk_density_fm_whole_soil	Float	Real	no		2	0.02	2.6	g/cm3	yes	
20	Bulk Density OD Whole Soil	bdovendrywhole	bulk_density_od_whole_soil	Float	Real	no		2	0.02	2.6	g/cm3	yes	
21	Bulk Density OD Fine Earth	bdovendryfineearth	bulk_density_od_fine_earth	Float	Real	no		2	0.02	2.6	g/cm3	yes	
22	Bulk Density Satiated	bdsatiated	bulk_density_satiated	Float	Real	no		2	.02	2.6	g/cm3	yes	
23	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
24	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
25	Rec ID	phbulkdensityiid	phor_db_iid	Integer	Int	yes						yes	

This table records individual bulk density measurements taken for a particular pedon and its horizons.

NASIS 7.4.2 Tables and Columns

Table Physical Name: phdbcompliantcavity

Table Label: Pedon Horizon Bulk Density Compliant Cavity

Table Logical Name: phorizon_db_compliant_cavity

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	phbulkdensityiidref	phor_db_iid_ref	Integer	Int	yes						no	
2	Cavity Diameter	bulkdensitycavitydiameter	bulk_density_cavity_diameter	Float	Real	no		1	1		cm	yes	
3	Cavity Length	bulkdensitycavitylength	bulk_density_cavity_length	Float	Real	no		1	1		cm	yes	
4	Cavity Width	bulkdensitycavitywidth	bulk_density_cavity_width	Float	Real	no		1	1		cm	yes	
5	Cavity Initial Volume	bulkdensitycavityinitvol	bulk_density_cavity_init_vol	Float	Real	no		1	1	10000	cm3	yes	
6	Cavity Final Volume	bulkdensitycavityfinalvol	bulk_density_cavity_final_vol	Float	Real	no		1	1	10000	cm3	yes	
7	Cavity Depth Pre Dig	cavityavedepthpredig	cavity_ave_depth_pre_dig	Float	Real	no		1	0.1		cm	yes	
8	Cavity Depth Post Dig	cavityavedepthpostdig	cavity_ave_depth_post_dig	Float	Real	no		1	0.1		cm	yes	
9	Sample Vol	bulkdensitycavitysampvol	bulk_density_cavity_samp_vol	Float	Real	no		1	10	10000	cm3	yes	
10	Record When Last Updated	recwlastupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
11	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
12	Rec ID	phbulkdencavityiid	phor_db_cavity_iid	Integer	Int	yes						yes	

This table record bulk density measurements collected using the compliant cavity sample method.

NASIS 7.4.2 Tables and Columns

Table Physical Name: phdbcore

Table Label: Pedon Horizon Bulk Density Core

Table Logical Name: phorizon_db_core

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	phbulkdensityiidref	phor_db_iid_ref	Integer	Int	yes						no	
2	Total Tube Length	sampletubelength	sample_tube_length	Float	Real	yes		1	1		cm	yes	
3	Unfilled Tube Length	unfilledtubelength	unfilled_tube_length	Float	Real	no		1	0		cm	yes	
4	Core Sample Length	coresamplelength	core_sample_length	Float	Real	no		1	0.1		cm	yes	
5	Tube Diameter	sampletubediameter	sample_tube_diameter	Float	Real	yes		1	1		cm	yes	
6	Core Sample Volume	coresamplevolume	core_sample_volume	Float	Real	no		2	10		cm3	yes	
7	Record When Last Updated	recwlupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
8	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
9	Rec ID	phbulkdencoreiid	phor_db_core_iid	Integer	Int	yes						yes	

This table record bulk density measurements collected using the core sample method.

NASIS 7.4.2 Tables and Columns

Table Physical Name: phdbcorereading

Table Label: Pedon Horizon Bulk Density Core Reading

Table Logical Name: phorizon_db_core_reading

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	phbulkdenscoreiidref	phor_db_core_iid_ref	Integer	Int	yes						no	
2	Unfilled Tube Length	bulkdensitytubeheadspace	bulk_density_tube_headspace	Float	Real	yes		1	0		cm	yes	
3	Record When Last Updated	recwlastupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
4	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
5	Rec ID	phdbcorereadingiid	phor_db_core_reading_iid	Integer	Int	yes						yes	

This table records the individual unfilled core tube readings related to collecting bulk density samples.

NASIS 7.4.2 Tables and Columns

Table Physical Name: phdbscope

Table Label: Pedon Horizon Bulk Density Scoop

Table Logical Name: phorizon_db_scoop

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	phbulkdensityiidref	phor_db_iid_ref	Integer	Int	yes						no	
2	Scoop Length	scooplength	scoop_length	Float	Real	no		1	1	25	cm	yes	
3	Scoop Width	scoopwidth	scoop_width	Float	Real	no		1	1	25	cm	yes	
4	Scoop Depth	scoopdepthtotal	scoop_depth_total	Float	Real	no		1	1	10	cm	yes	
5	Scoop Volume	scoopvolume	scoop_volume	Float	Real	yes		2	100	1000	cm3	yes	
6	Scoop Depth Unfilled	scoopdepthunfilled	scoop_depth_unfilled	Float	Real	no		1	0	10	cm	yes	
7	Sample Volume	scoopsamplevolume	scoop_sample_volume	Float	Real	no		2	50	1000	cm3	yes	
8	Record When Last Updated	recw/updated	record_when_last_updated	Date/Time	Datetime	no						yes	
9	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
10	Rec ID	phbulkdenscopeiid	phor_db_scoop_iid	Integer	Int	yes						yes	

This table records bulk density measurements collected using the scoop sample method.

NASIS 7.4.2 Tables and Columns

Table Physical Name: phdbbscoopreading

Table Label: Pedon Horizon Bulk Density Scoop Reading

Table Logical Name: phorizon_db_scoop_reading

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	phbulkdenscoopiidref	phor_db_scoop_iid_ref	Integer	Int	yes						no	
2	Unfilled Scoop Depth	scoopheadspace	scoop_headspace	Float	Real	yes		1	0	10	cm	yes	
3	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
4	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
5	Rec ID	phbulkdenscoopreadiid	phor_db_scoop_reading_iid	Integer	Int	yes						yes	

This table records the individual unfilled scoop readings related to collecting bulk density samples.

NASIS 7.4.2 Tables and Columns

Table Physical Name: phdesgnsuffix

Table Label: Pedon Horizon Designation Suffix

Table Logical Name: phorizon_desgn_suffix

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	phiidref	phorizon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Suffix	desgnsuffix	horz_desgn_letter_suffix	Choice	Smallint	no						yes	horz_desgn_letter_suffix
4	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
5	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
6	Rec ID	phdesgnsfxiid	phor_desgn_suffix_iid	Integer	Int	yes						yes	

The Pedon Horizon Designation Suffix table contains the suffixes, one per row, for each horizon. For example, the "h" and "s" of a Bhs horizon appear as two rows in this table. This table is similar to Horizon Designation Suffix found in the aggregated or component side of the database. This table specifically refers to point data.

NASIS 7.4.2 Tables and Columns

Table Physical Name: phfeatcolor

Table Label: Pedon Horizon Features Color

Table Logical Name: phorizon_features_color

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	phfeatsiidref	phor_features_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Color Pct	colorpct	color_percent	Integer	Smallint	no			1	100	percent	yes	
4	Hue	colorhue	color_hue	Choice	Smallint	no						yes	color_hue
5	Value	colorvalue	color_value	Choice	Smallint	no						yes	color_value
6	Chroma	colorchroma	color_chroma	Choice	Smallint	no						yes	color_chroma
7	Moist State	colormoistst	color_moisture_state	Choice	Smallint	no						yes	color_moisture_status
8	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
9	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
10	Rec ID	phfeatcoloriid	phor_feat_color_iid	Integer	Int	yes						yes	

The Pedon Horizon Feature Color table describes the Munsell color(s) of an individual feature described in the Pedon Horizon Features table.

NASIS 7.4.2 Tables and Columns

Table Physical Name: phfeatures

Table Label: Pedon Horizon Features

Table Logical Name: phorizon_features

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	phiidref	phorizon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Kind	horfeatkind	horizon_feature_kind	Choice	Smallint	no						yes	horizon_feature_kind
4	Total Vol Pct	horfeatvpct	horz_feat_volume_total_percent	Integer	Smallint	no			1	100	percent	yes	
5	Lateral Area Pct	horfeatlapct	horz_feat_lateral_area_percent	Integer	Smallint	no			1	100	percent	yes	
6	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
7	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
8	Rec ID	phfeatsiid	phor_features_iid	Integer	Int	yes						yes	

The Pedon Horizon Features table describes special soil features found in a particular soil horizon at the time of description.

NASIS 7.4.2 Tables and Columns

Table Physical Name: phfmp

Table Label: Pedon Horizon Field Measured Property

Table Logical Name: phorizon_field_meas_prop

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	phiidref	phorizon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Field Measured Property Name	fmpname	field_meas_property_name	String	Varchar	no	80					yes	
4	Field Measured Property Value	fmpvalue	field_meas_property_value	Float	Float	no		2				yes	
5	UOM	fmpunits	field_meas_property_units	String	Varchar	no	30					yes	
6	Record When Last Updated	recwlastupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
7	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
8	Rec ID	phfmpiid	phor_field_meas_prop_iid	Integer	Int	yes						yes	

The Pedon Horizon Field Measured Property table contains the results of field or office conducted soil property analyses that apply to an individual horizon, that cannot be stored elsewhere in the database as separate data elements in other tables. Analyses that apply to the profile as a whole are entered into the Pedon Field Measured Property table.

NASIS 7.4.2 Tables and Columns

Table Physical Name: phfrags

Table Label: Pedon Horizon Fragments

Table Logical Name: phorizon_fragments

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	phiidref	phorizon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Vol Pct	fragvol	fragment_volume	Float	Real	no		1	0	100	percent	yes	
4	Weight Pct	fragweight	fragment_weight	Float	Real	no		1	0	100	percent	yes	
5	Size	fragsize	fragment_size	Integer	Smallint	no			2	3000	mm	yes	
6	Kind	fragkind	fragment_kind	Choice	Smallint	no						yes	fragment_kind
7	Shape	fragshp	fragment_shape	Choice	Smallint	no						yes	fragment_shape
8	Roundness	fraground	fragment_roundness	Choice	Smallint	no						yes	fragment_roundness
9	Hardness	fraghard	fragment_hardness	Choice	Smallint	no						yes	rupture_resist_block_cem
10	Estimate Method	fragestmethod	fragment_estimate_method	Choice	Smallint	no						yes	fragment_estimate_method
11	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
12	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
13	Rec ID	phfragsiid	phor_fragments_iid	Integer	Int	yes						yes	

The Horizon Fragments table lists the mineral and organic fragments included in the horizon shown in the Pedon Horizon table. The Volume % in a row, is the estimated average for the kind and size of fragment identified in that row.

NASIS 7.4.2 Tables and Columns

Table Physical Name: phgrcountdata

Table Label: Pedon Horizon Grain Count Data

Table Logical Name: phorizon_grain_count_data

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	phgrcountsumiidref	phor_gr_count_sum_iid_ref	Integer	Int	yes						no	
2	Test Date	testdate	test_date	Date/Time	Datetime	no						yes	
3	Rep Nmbr	repnum	replicate_number	Integer	Int	yes			1			yes	
4	Total Grain Count	phgrcounttotal	grain_count_total	Integer	Int	yes			100	999		yes	
5	Quartz	phgrcountquartz	grain_count_quartz	Integer	Int	no			0	999		yes	
6	Micaceous	phgrcountmica	grain_count_micaceous	Integer	Int	no			0	999		yes	
7	Glass	phgrcountglass	grain_count_glass	Integer	Int	no			0	999		yes	
8	Glass Coated Minerals	phgrcountglasscoated	grain_count_glass_coated	Integer	Int	no			0	999		yes	
9	Glass Aggregate	phgrcountglassagg	grain_count_glass_agg	Integer	Int	no			0	999		yes	
10	Other Minerals	phgrcountother	grain_count_other	Integer	Int	no			0	999		yes	
11	Record When Last Updated	recwlastupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
12	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
13	Rec ID	phgrcountiid	phor_grain_count_iid	Integer	Int	yes						yes	

This table records the actual grain counts from a individual replicate samples from a particular sampled horizon or layer.

NASIS 7.4.2 Tables and Columns

Table Physical Name: phgrcountsummary

Table Label: Pedon Horizon Grain Count Summary

Table Logical Name: phorizon_grain_count_summary

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	phlabresultidref	phor_lab_result_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Quartz	phgrcountquartz	grain_count_quartz	Integer	Int	no			0	999		yes	
4	Micaceous	phgrcountmica	grain_count_micaceous	Integer	Int	no			0	999		yes	
5	Glass	phgrcountglass	grain_count_glass	Integer	Int	no			0	999		yes	
6	Glass Coated Minerals	phgrcountglasscoated	grain_count_glass_coated	Integer	Int	no			0	999		yes	
7	Glass Aggregate	phgrcountglassagg	grain_count_glass_agg	Integer	Int	no			0	999		yes	
8	Other Minerals	phgrcountother	grain_count_other	Integer	Int	no			0	999		yes	
9	Record When Last Updated	recwlupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
10	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
11	Rec ID	phgrcountsumiid	phor_grain_count_sum_iid	Integer	Int	yes						yes	

This table records the summary of grain counts from a particular sampled horizon or layer.

NASIS 7.4.2 Tables and Columns

Table Physical Name: phhuartrefecmdoc

Table Label: Pedon Horizon Human Artifacts Reference ECM Documents

Table Logical Name: phor_huart_ref_ecm_doc

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	phhumartidref	phor_human_artifacts_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	ECM Document Type	ecmdoctype	ecm_document_type	Choice	Smallint	no						no	document_kind
4	ECM Document Name	ecmdocname	ecm_document_name	String	Varchar	no	255					no	
5	ECM Document URL	ecmdockeyurl	ecm_document_key_url	Hyperlink	Varchar	no	138					no	
6	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
7	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						no	
8	Rec ID	phhuartrefecmdociid	phor_huart_ref_ecm_doc_iid	Integer	Int	yes						no	

This table contains hyperlink(s) to document(s) stored in the Enterprise Content Management (ECM) system that are additional documentation of the pedon. A separate row is entered for each document stored in the ECM. The kinds of documents that can be stored are: Audio, images, diagrams, powerpoint presentations, spreadsheets, text (plain text or other word processing program), PDF, and video.

NASIS 7.4.2 Tables and Columns

Table Physical Name: phhuarts

Table Label: Pedon Horizon Human Artifacts

Table Logical Name: phorizon_human_artifacts

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	phiidref	phorizon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Vol Pct	huartvol	human_artifact_volume	Integer	Smallint	yes			0	100	percent	yes	
4	Size	huartsize	human_artifact_size	Integer	Smallint	no			2	3000	mm	yes	
5	Kind	huartkind	human_artifact_kind	Choice	Smallint	yes						yes	human_artifact_kind
6	Cohesion	huartco	human_artifact_cohesion	Choice	Smallint	no						yes	human_artifact_cohesion
7	Shape	huartshp	human_artifact_shape	Choice	Smallint	no						yes	human_artifact_shape
8	Roundness	huartrnd	human_artifact_roundness	Choice	Smallint	no						yes	fragment_roundness
9	Penetrability	huartpen	human_artifact_penetrability	Choice	Smallint	no						yes	human_artifact_penetrability
10	Safety	huartsafety	human_artifact_safety	Choice	Smallint	no						yes	human_artifact_safety
11	Persistence	huartper	human_artifact_persistence	Choice	Smallint	no						yes	human_artifact_persistence
12	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
13	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
14	Rec ID	phhuartiid	phor_human_artifact_iid	Integer	Int	yes						yes	

The Horizon Human Artifacts table lists the human created and/or modified objects included in the horizon shown in the Horizon table. These are objects or materials created (or modified) by humans for practical purposes related to activities such as manufacturing, construction, or waste disposal. Examples of artifacts include processed wood products, liquid petroleum products, coal combustion by-products, asphalt, fibers and fabrics, bricks, cinder blocks, concrete, plastic, glass, rubber, paper, cardboard, iron and steel, altered or manufactured metals and minerals, sanitary and medical waste, garbage and landfill waste.

NASIS 7.4.2 Tables and Columns

Table Physical Name: phhydrometeranalysis

Table Label: Pedon Horizon Hydrometer Analysis

Table Logical Name: phorizon_hydrometer_analysis

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	phlabresultidref	phor_lab_result_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Test Date	testdate	test_date	Date/Time	Datetime	no						yes	
4	Sample Weight	hydrosamplewt	hydrometer_sample_weight	Float	Real	yes		1	1	999	g	yes	
5	SHMP Concentration	hydroshmpconc	hydrometer_shmp_concentration	Float	Real	no		3	0	0.999	g/ml	yes	
6	Blank Reading	hydroblankread	hydrometer_blank_reading	Float	Real	no		1	0	99	g/l	yes	
7	Hydrometer Method	hydromethod	hydrometer_method	Choice	Smallint	no						yes	hydrometer_method
8	Grav Moisture Pct Whole Soil	obsgrsoimoist	obs_grav_soil_moist_percent	Integer	Smallint	no			0	100	percent	yes	
9	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
10	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
11	Rec ID	phhydromanalsiid	phor_hydrom_analysis_iid	Integer	Int	yes						yes	

This table records data related to hydrometer analysis of a soil sample to determine particle size distribution.

NASIS 7.4.2 Tables and Columns

Table Physical Name: phhydrometerdata

Table Label: Pedon Horizon Hydrometer Data

Table Logical Name: phorizon_hydrometer_data

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	phhydromanalysisiidref	phor_hydrom_analysis_iid_ref	Integer	Int	yes						no	
2	Reading #	hydreadingnum	hydrometer_reading_number	Integer	Int	yes			1			yes	
3	Delta Time	deltatime	delta_time	Float	Real	yes		2	0.01	2000	min	yes	
4	Hydrometer Temperature	hydtemp	hydrometer_temperature	Float	Real	no		1	10	30	degrees c	yes	
5	Hydrometer Reading	hydreading	hydrometer_reading	Float	Real	yes		1	0	99	g/l	yes	
6	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
7	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
8	Rec ID	phhydrometerdataiid	phor_hydrometer_data_iid	Integer	Int	yes						yes	

This table records actual measurements taken during PSDA using hydrometer method.

NASIS 7.4.2 Tables and Columns

Table Physical Name: phksatamoozedata

Table Label: Pedon Horizon Ksat Amoozemeter Data

Table Logical Name: phorizon_ksat_amoozemeter_data

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	peksatamoozeiidref	phor_ksat_amooze_iid_ref	Integer	Int	yes						no	
2	Reading #	ksatreadingnum	ksat_reading_number	Integer	Int	no			1			yes	
3	Water Drop	waterdrop	water_drop	Float	Real	yes		1	0		cm	yes	
4	Delta Time	deltatime	delta_time	Float	Real	yes		2	0.01	2000	min	yes	
5	Outflow Conversion Factor	outflowchamberconvfact	outflow_chamber_conv_factor	Choice	Smallint	no					cm2	yes	outflow_chamber_conv_factor
6	Ksat Measured	sathydcondmeasured	sat_hyd_conduct_measured	Float	Real	no		4	0	705	um/s	yes	
7	Steady State Flag	steadystateflag	steady_state_flag	Boolean	Bit	yes						yes	
8	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
9	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
10	Rec ID	peksatamoozedataiid	phor_ksat_amooze_data_iid	Integer	Int	yes						yes	

This table records actual measurements from an individual replicate of Ksat measurement in the field by Amoozemeter method.

NASIS 7.4.2 Tables and Columns

Table Physical Name: phksatamoozemeter

Table Label: Pedon Horizon Ksat Amoozemeter

Table Logical Name: phorizon_ksat_amoozemeter

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	phksatsumiidref	phor_ksat_sum_iid_ref	Integer	Int	yes						no	
2	Rep Nmbr	repnum	replicate_number	Integer	Int	yes			1			yes	
3	Test Date	testdate	test_date	Date/Time	Datetime	yes						yes	
4	Ksat Mean	sathydcondrepmean	sat_hyd_cond_replicate_mean	Float	Real	no	4	0	705	um/s	yes		
5	Ksat Std Dev	sathydcondrepstd	sat_hyd_cond_replicate_std	Float	Real	no	4	0	705	um/s	yes		
6	Ksat Class	sathydcondclass	sat_hyd_conductivity_class	Choice	Smallint	no						yes	sat_hyd_conductivity_class
7	Borehole Depth	boreholedepth	borehole_depth	Float	Real	yes	1	0	9999	cm	yes		
8	Borehole Radius	boreholeradius	borehole_radius	Float	Real	yes	1	0.1			cm	yes	
9	Initial Water Level	boreholewaterlevelinit	borehole_water_level_init	Float	Real	yes	1				cm	yes	
10	Final Water Level	boreholewaterlevelfinal	borehole_water_level_fin	Float	Real	yes	1				cm	yes	
11	Notes	notes	notes	Narrative Text	Varchar(max)	no						yes	
12	Record When Last Updated	recw/updated	record_when_last_updated	Date/Time	Datetime	no						yes	
13	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
14	Rec ID	phksatamoozemeteriid	phor_ksat_amoozemeter_iid	Integer	Int	yes						yes	

This table records data about individual replications of Ksat measurements in the field by Amoozemeter method.

NASIS 7.4.2 Tables and Columns

Table Physical Name: phksatring

Table Label: Pedon Horizon Ksat Ring

Table Logical Name: phorizon_ksat_ring

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	phksatsumiidref	phor_ksat_sum_iid_ref	Integer	Int	yes						no	
2	Rep Nmbr	repnum	replicate_number	Integer	Int	yes			1			yes	
3	Test Date	testdate	test_date	Date/Time	Datetime	yes						yes	
4	Ksat Mean	sathydcondrepmean	sat_hyd_cond_replicate_mean	Float	Real	no	4	0	705	um/s	yes		
5	Ksat Std Dev	sathydcondrepstd	sat_hyd_cond_replicate_std	Float	Real	no	4	0	705	um/s	yes		
6	Ksat Class	sathydcondclass	sat_hyd_conductivity_class	Choice	Smallint	no						yes	sat_hyd_conductivity_class
7	Ring Configuration	ringconfiguration	ring_configuration	Choice	Smallint	yes						yes	ring_configuraton
8	Ring Insertion Depth	ringinsertiondepth	ring_insertion_depth	Float	Real	yes	1	0.1	50	cm	yes		
9	Ring Radius	ringradius	ring_radius	Float	Real	yes	2	0.1	50	cm	yes		
10	Water Ponding Depth	waterponddepth	water_ponding_depth	Float	Real	yes	1	0	50	cm	yes		
11	Mariotte Bottle Radius	mariottebottleradius	mariotte_bottle_radius	Float	Real	no	2	0.1	50	cm	yes		
12	Texture Structure Category	texturestructurecat	texture_structure_category	Choice	Smallint	no						yes	texture_structure_category
13	Notes	notes	notes	Narrative Text	Varchar(max)	no						yes	
14	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
15	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
16	Rec ID	phksatringiid	phor_ksat_ring_iid	Integer	Int	yes						yes	

This table records data about individual replications of Ksat measurements in the field by ring method.

NASIS 7.4.2 Tables and Columns

Table Physical Name: phksatringdata

Table Label: Pedon Horizon Ksat Ring Data

Table Logical Name: phorizon_ksat_ring_data

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	peksatringiidref	phor_ksat_ring_iid_ref	Integer	Int	yes						no	
2	Reading Nmbr	ksatreadingnum	ksat_reading_number	Integer	Int	no			1			yes	
3	Water Drop	waterdrop	water_drop	Float	Real	no		1	0		cm	yes	
4	Delta Time	deltatime	delta_time	Float	Real	no		2	0.01	2000	min	yes	
5	Ksat Measured	sathydcondmeasured	sat_hyd_conduct_measured	Float	Real	no		4	0	705	um/s	yes	
6	Steady State Flag	steadystateflag	steady_state_flag	Boolean	Bit	yes						yes	
7	Record When Last Updated	recwlupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
8	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
9	Rec ID	peksatringdataiid	phor_ksat_ring_data_iid	Integer	Int	yes						yes	

This table records actual measurements from an individual replicate of Ksat measurement in the field by ring method.

NASIS 7.4.2 Tables and Columns

Table Physical Name: phksatsummary

Table Label: Pedon Horizon Ksat Summary

Table Logical Name: phorizon_ksat_summary

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	phiidref	phorizon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Test Date	testdate	test_date	Date/Time	Datetime	yes						yes	
4	Data Collector	datacollector	data_collector	String	Varchar	no	60					yes	
5	Ksat Mean	sathydcondmean	sat_hyd_conduct_mean	Float	Real	no		4	0	705	um/s	yes	
6	Ksat Std Dev	sathydcondstd	sat_hyd_cond_std_dev	Float	Real	no		4	0	705	um/s	yes	
7	Test Method	sathydcondmethod	sat_hyd_conduct_method	Choice	Smallint	yes						yes	sat_hyd_conduct_method
8	Record When Last Updated	recw/updated	record_when_last_updated	Date/Time	Datetime	no						yes	
9	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
10	Rec ID	pedonksatsummaryiid	phor_ksat_summary_iid	Integer	Int	yes						yes	

This table records the summarization of saturated hydraulic conductivity (Ksat) data collected for a particular pedon on a particular date.

NASIS 7.4.2 Tables and Columns

Table Physical Name: phlabresults

Table Label: Pedon Horizon Lab Results

Table Logical Name: phorizon_lab_results

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	phidref	phorizon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Top Depth	sampledepthtop	sample_depth_top	Float	Real	yes	1	0	9999	cm		yes	
4	Bottom Depth	sampledepthbottom	sample_depth_bottom	Float	Real	no	1	0	9999	cm		yes	
5	Sample ID	sampleid	sample_identifier	String	Varchar	no	20					yes	
6	Data Collector	datacollector	data_collector	String	Varchar	no	60					yes	
7	Total Clay Measured	claytotmeasured	clay_total_measured	Float	Real	no	1	0	100	percent		yes	
8	CaCO3 Clay Measured	claycarbmeasured	clay_sized_carbonate_measured	Float	Real	no	1	0	100	percent		yes	
9	Total Silt Measured	silttotmeasured	silt_total_measured	Float	Real	no	1	0	100	percent		yes	
10	Fine Silt Measured	siltfinemeasured	silt_fine_measured	Float	Real	no	1	0	100	percent		yes	
11	Coarse Silt Measured	siltcomeasured	silt_coarse_measured	Float	Real	no	1	0	100	percent		yes	
12	Total Sand Measured	sandtotmeasured	sand_total_measured	Float	Real	no	1	0	100	percent		yes	
13	Total Sand Method	sandtotmethod	sand_total_method	Choice	Smallint	no						yes	sand_total_method
14	VC Sand Measured	sandvcmeasured	sand_very_coarse_measured	Float	Real	no	1	0	100	percent		yes	
15	Coarse Sand Measured	sandcomeasured	sand_coarse_measured	Float	Real	no	1	0	100	percent		yes	
16	Med Sand Measured	sandmedmeasured	sand_medium_measured	Float	Real	no	1	0	100	percent		yes	
17	Fine Sand Measured	sandfinemeasured	sand_fine_measured	Float	Real	no	1	0	100	percent		yes	
18	VF Sand Measured	sandvfmeasured	sand_very_fine_measured	Float	Real	no	1	0	100	percent		yes	
19	VF Sand Method	sandvfmethod	sand_very_fine_method	Choice	Smallint	no						yes	sand_very_fine_method
20	Sieve 3 Inch	sieve3inch	sieve_3_inch	Float	Real	no	1	0	100	percent		yes	
21	Fine Clay Measured	clayfinemeasured	clay_fine_measured	Float	Real	no	1	0	100	percent		yes	
22	Sieve 0.75 Inch	sieve34inch	sieve_3_4_inch	Float	Real	no	1	0	100	percent		yes	
23	Nmbr 4 Sieve	sieveno4	sieve_number_4	Float	Real	no	1	0	100	percent		yes	
24	Nmbr 10 Sieve	sieveno10	sieve_number_10	Float	Real	no	1	0	100	percent		yes	
25	Nmbr 18 Sieve	sieveno18	sieve_number_18	Float	Real	no	1	0	100	percent		yes	
26	Nmbr 35 Sieve	sieveno35	sieve_number_35	Float	Real	no	1	0	100	percent		yes	
27	Nmbr 40 Sieve	sieveno40	sieve_number_40	Float	Real	no	1	0	100	percent		yes	
28	Nmbr 60 Sieve	sieveno60	sieve_number_60	Float	Real	no	1	0	100	percent		yes	
29	Nmbr 140 Sieve	sieveno140	sieve_number_140	Float	Real	no	1	0	100	percent		yes	
30	Nmbr 200 Sieve	sieveno200	sieve_number_200	Float	Real	no	1	0	100	percent		yes	
31	Nmbr 270 Sieve	sieveno270	sieve_number_270	Float	Real	no	1	0	100	percent		yes	
32	Texture Class Field Lab	textureclfieldlab	texture_class_field_lab	Choice	Smallint	no						yes	texture_class
33	Von Post Humification Scale	vonposthumification	von_post_humification_scale	Choice	Smallint	no						yes	von_post_humification_scale
34	Rubbed Fiber Pct	fiberrubbedpct	fiber_rubbed_percent	Integer	Smallint	no		0	100	percent		yes	
35	Unrubbed Fiber Pct	fiberunrubbedpct	fiber_unrubbed_percent	Integer	Smallint	no		0	100	percent		yes	
36	Lost on Ignition Percent Organic Matter	lossonignition	loss_on_ignition	Integer	Int	no		0	100	percent		yes	
37	pH 1 to 1 water	ph1to1h2o	ph_1_1_water	Float	Real	no	1	1.0	13			yes	
38	pH 01M CaCl2	ph01mcacl2	ph_01m_cacl2	Float	Real	no	1	1.0	13			yes	
39	pH NaF	phnaf	ph_naf	Float	Real	no	1	1.0	13			yes	
40	pH Oxidized	phoxidized	ph_oxidized	Float	Real	no	1	1.0	13			yes	
41	Delta pH H2O2	phdeltah2o2	ph_delta_h2o2_test	Float	Real	no	1	1.0	13			yes	
42	LL Measured	liquidlimitmeasured	liquid_limit_measured	Float	Real	no	1	0	400	percent		yes	
43	PL Measured	plasticlimitmeasured	plastic_limit_measured	Float	Real	no	1	0	400	percent		yes	
44	PI	pi	plasticity_index	Float	Real	no		0	130	percent		yes	

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
45	Atterberg Sample Condition	atterbergsampcond	atterberg_sample_condition	Choice	Smallint	no						yes	atterberg_sample_condition
46	COLE	cole	coeff_linear_extensibility	Float	Real	no	2	0	0.3	cm/cm	yes	yes	
47	Est Pot Acidity ETPA	esttotpotacidityetpa	est_total_pot_acidity_etpa	Float	Real	no	1			meq/100g	yes	yes	
48	Ca plus Mg Meh 2	camgmeh2	calcium_magnesium_meh2	Float	Real	no	1	0		cmol(+)/kg	yes	yes	
49	Potassium Meh 2	potassiummeh2	potassium_meh2	Float	Real	no	1	0		cmol(+)/kg	yes	yes	
50	Ca plus Mg Sat Paste	camgsatpaste	calcium_magnesium_sat_paste	Float	Real	no	1	0		mmol(+)/l	yes	yes	elec_cond_method
51	Base Sat Meh 2	basesatmeh2	base_saturation_meh2	Integer	Smallint	no		0	100	percent	yes	yes	
52	KCl Extract Acidity	extractaciditykcl	extractable_acidity_kcl	Float	Real	no	1	0		cmol(+)/kg	yes	yes	
53	CEC7	cec7	cation_exch_capcty_nh4oacph7	Float	Real	no	1	0	400	cmol(+)/kg	yes	yes	
54	CEC 8.2	cec82	cation_exch_capcty_ph82	Float	Real	no	1	0	400	cmol(+)/kg	yes	yes	
55	ECEC	eccec	effective_cation_exch_capcty	Float	Real	no	1	0	400	cmol(+)/kg	yes	yes	elec_cond_method
56	Phosphate Phosphorous	phosphatephos	phosphate_phosphorus	Float	Real	no	1			mg/kg	yes	yes	
57	NO3 N	nitratennitrogen	nitrate_nitrogen	Float	Real	no	1			mg/kg	yes	yes	
58	EC	ecmeasured	electrical_cond_measured	Float	Real	no	2	0	15000	dS/m	yes	yes	
59	EC Method	ecdeterminemeth	elec_cond_determination_meth	Choice	Smallint	no					yes	yes	
60	EC 1 to 5	ec15	electrical_conductivity_1_5	Float	Real	no	1	0	100	dS/m	yes	yes	elec_cond_method
61	CaCO3 Clay Equiv Measured	caco3equivmeasured	calcium_carb_equiv_measured	Integer	Smallint	no		0	110	percent	yes	yes	
62	Equiv Gypsum	gypsumequiv	gypsum_equivalent	Integer	Smallint	no				percent	yes	yes	
63	Gypsum Requirement	gypsumreq	gypsum_requirement	Integer	Int	no				cmol(+)/kg	yes	yes	
64	Sodium	sodium	sodium_measured	Float	Real	no	1	0		mmol(+)/l	yes	yes	
65	SAR	sar	sodium_adsorption_ratio	Float	Real	no	1	0	9999		yes	yes	color_hue
66	Humic Color	humiccolor	humic_color	Float	Real	no	1	0	500	L-pcu/g	yes	yes	
67	Fulvic Color	fulviccolor	fulvic_color	Float	Real	no	1	0	500	L-pcu/g	yes	yes	
68	Humic plus Fulvic Color	humicfulviccolor	humic_fulvic_color	Float	Real	no	1	0	500	L-pcu/g	yes	yes	
69	Aluminum	alummeasured	aluminum_measured	Float	Real	no	1			percent	yes	yes	
70	Pyrophosphate Hue	pyrophoshue	pyrophosphate_color_hue	Choice	Smallint	no					yes	yes	color_hue
71	Pyrophosphate Value	pyrophosvalue	pyrophosphate_color_value	Choice	Smallint	no					yes	yes	
72	Pyrophosphate Chroma	pyrophoschroma	pyrophosphate_color_chroma	Choice	Smallint	no					yes	yes	
73	Melanin Index	melanicindex	melanic_index	Float	Real	no	2	0	20		yes	yes	color_hue
74	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no					yes	yes	
75	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no					yes	yes	
76	Rec ID	phlabresultiid	phor_lab_result_iid	Integer	Int	yes					yes	yes	

This table records the results of analytical tests run in the SSO lab of soil chemical and physical properties.

NASIS 7.4.2 Tables and Columns

Table Physical Name: phmottles

Table Label: Pedon Horizon Mottles

Table Logical Name: phorizon_mottles

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	phiidref	phorizon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Percent	mottlepct	mottle_percent	Integer	Smallint	no			1	100	percent	yes	
4	Size	mottlesize	mottle_size	Choice	Smallint	no						yes	concen_rmf_mottle_size
5	Contrast	mottlecntrst	mottle_contrast	Choice	Smallint	no						yes	concen_rmf_mottle_contrast
6	Hue	colorhue	color_hue	Choice	Smallint	no						yes	color_hue
7	Value	colorvalue	color_value	Choice	Smallint	no						yes	color_value
8	Chroma	colorchroma	color_chroma	Choice	Smallint	no						yes	color_chroma
9	Shape	mottleshape	mottle_shape	Choice	Smallint	no						yes	concen_rmf_mottle_shape
10	Moist State	colormoistst	color_moisture_state	Choice	Smallint	no						yes	color_moisture_status
11	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
12	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
13	Rec ID	phmottlesiid	phor_mottles_iid	Integer	Int	yes						yes	

The Pedon Horizon Mottles tables describes those color patterns found in soil horizons that are NOT associated with concentrations, redoximorphic features, or ped and void coatings. Mottles are now defined as being non-wetness related color separations. They are generally lithochromic or lithomorphc in nature.

NASIS 7.4.2 Tables and Columns

Table Physical Name: phorizon

Table Label: Pedon Horizon

Table Logical Name: phorizon

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	peiidref	pedon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Top Depth	hzdept	horizon_depth_to_top	Integer	Smallint	no			0	9999	cm	yes	
4	Bottom Depth	hzdepb	horizon_depth_to_bottom	Integer	Smallint	no			0	9999	cm	yes	
5	Thickness	hzthk	horizon_thickness	Integer	Smallint	no			0	9999	cm	yes	
6	Observation Method	obsmethod	observation_method	Choice	Smallint	no						yes	observation_method
7	Designation	hzname	horizon_designation	String	Varchar	no	25					yes	
8	Disc.	desgndisc	horz_desgn_discontinuity	Integer	Smallint	no			2	99		yes	
9	Master	desgnmaster	horz_desgn_master	Choice	Smallint	no						yes	horz_desgn_master
10	Prime	desgnmasterprime	horz_desgn_master_prime	Choice	Smallint	no						yes	horz_desgn_master_prime
11	Sub	desgnvert	horz_desgn_vertical_subdvn	Integer	Smallint	no			1			yes	
12	Tex Mod and Class	texture	texture_modifier_and_class	String	Varchar	no	30					yes	
13	Stratified Flag	stratextsflag	stratified_textures_flag	Boolean	Bit	yes						yes	
14	Est Clay Pct	claytotest	clay_total_estimated	Float	Real	no		1	0	100	percent	yes	
15	Carbonate Clay Est	claycarbest	clay_sized_carbonate_estimated	Float	Real	no		1	0	100	percent	yes	
16	Est Silt Pct	silttotest	silt_total_estimated	Float	Real	no		1	0	100	percent	yes	
17	Est Sand Pct	sandtotest	sand_total_estimated	Float	Real	no		1	0	100	percent	yes	
18	Total Fragment Volume	fragvoltot	fragment_volume_total	Integer	Smallint	no			0	100	percent	yes	
19	Variegated Colors	horcolorvflag	horizon_color_variegated_flag	Boolean	Bit	yes						yes	
20	Observed Moisture Status	obssoimoiststat	observed_soil_moisture_status	Choice	Smallint	no						yes	observed_soil_moisture_status
21	Rupture Block Moist	rupresblkmst	rupture_resist_block_moist	Choice	Smallint	no						yes	rupture_resist_block_moist
22	Rupture Block Dry	rupresblkdry	rupture_resist_block_dry	Choice	Smallint	no						yes	rupture_resist_block_dry
23	Rupture Cement Block	rupresblkcem	rupture_resist_block_cem	Choice	Smallint	no						yes	rupture_resist_block_cem
24	Rupture Plate	rupresplate	rupture_resist_plate	Choice	Smallint	no						yes	rupture_resist_plate
25	Manner of Failure	mannerfailure	manner_of_failure	Choice	Smallint	no						yes	manner_of_failure
26	Stickiness	stickiness	stickiness	Choice	Smallint	no						yes	stickiness
27	Plasticity	plasticity	plasticity	Choice	Smallint	no						yes	plasticity
28	Tough Class	toughclass	toughness_class	Choice	Smallint	no						yes	toughness_class
29	Penetration Resistance	penetres	penetration_resistance	Choice	Smallint	no						yes	penetration_resistance
30	Penetration Orientation	penetorient	penetration_orientation	Choice	Smallint	no						yes	penetration_orientation
31	Ksat	ksatpedon	sat_hyd_conductivity_pedon	Float	Real	no		4	0	705	um/s	yes	
32	Ksat Std Dev	ksatstddev	sat_hydraulic_conduct_std	Float	Real	no		3	0	100	um/s	yes	
33	Ksat Rep Nmbr	ksatrepnnum	sat_hydraulic_conduct_rep	Integer	Smallint	no			1			yes	
34	Permeability Class	horzpermclass	horizon_permeability_class	Choice	Smallint	no						yes	permeability_class
35	Infiltration Rate	obsinfiltrationrate	observed_infiltration_rate	Float	Real	no		2	0		cm/hr	yes	
36	Field pH	phfield	ph_field	Float	Real	no		1	1.0	13		yes	
37	pH Method	phdetermeth	ph_determination_method	Choice	Smallint	no						yes	ph_determination_method
38	Efferv Class	effclass	effervescence_class	Choice	Smallint	no						yes	effervescence_class
39	Efferv Agent	effagent	effervescence_agent	Choice	Smallint	no						yes	effervescence_agent
40	Carbonate Dev Stage FE	carbdevstagefe	carbonate_dev_stage_fe	Choice	Smallint	no						yes	carbonate_dev_stage_fe
41	Carbonate Dev Stage CF	carbdevstagecf	carbonate_dev_stage_cf	Choice	Smallint	no						yes	carbonate_dev_stage_cf
42	MN Efferv Class	mneffclass	mn_effervescence_class	Choice	Smallint	no						yes	effervescence_class
43	MN Efferv Agent	mneffagent	mn_effervescence_agent	Choice	Smallint	no						yes	effervescence_agent_mn
44	A-A Diprydil Reaction	reactadiprydil	reaction_to_alpha_diprydil	Choice	Smallint	no						yes	reaction_to_alpha_diprydil

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
45	A-A Dipyrldyl Percent	dipyrldylpct	dipyrldyl_percent	Integer	Smallint	no			1	100		yes	
46	A-A Dipyrldyl Location	dipyrldylloc	dipyrldyl_location	Choice	Smallint	no						yes	concen_redox_location
47	Excav Difficulty	excavdifcl	excavation_difficulty_class	Choice	Smallint	no						yes	excavation_difficulty_class
48	Soil Odor	soilodor	soil_odor	Choice	Smallint	no						yes	soil_odor
49	Odor Intensity	soilodorintensity	soil_odor_intensity	Choice	Smallint	no						yes	soil_odor_intensity
50	Monosulfide Presence	rmonosulfidep	monosulfide_presence	Boolean	Bit	yes						yes	
51	H2O2 30 Pct Rxn	h2o230percentreaction	h2o2_30_percent_reaction	Choice	Smallint	no						yes	h2o2_30_percent
52	H2O2 3 Pct Rxn	h2o23percentreaction	h2o2_3_percent_reaction	Boolean	Bit	yes						yes	
53	AVS Presence Test	acidvolatilesulfidetest	acid_volatile_sulfide_test	Boolean	Bit	yes						yes	
54	Boundary Distinctness	bounddistinct	boundary_distinctness	Choice	Smallint	no						yes	boundary_distinctness
55	Boundary Topography	boundtopo	boundary_topography	Choice	Smallint	no						yes	boundary_topography
56	Total Vol Pct	horzvoltotpct	horizon_volume_total_percent	Integer	Smallint	no			1	100	percent	yes	
57	Lateral Area Pct	horzlatareapct	horizon_lateral_area_percent	Integer	Smallint	no			1	100	percent	yes	
58	Comp Layer ID	dspcomplayerid	dsp_comparable_layer_id	String	Varchar	no	25					yes	
59	AASHTO	aashtocl	aashto_group_classification	Choice	Smallint	no						yes	aashto_group_classification
60	Unified	unifiedcl	unified_soil_classification	Choice	Smallint	no						yes	unified_soil_classification
61	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
62	Rec ID	phiid	phorizon_iid	Integer	Int	yes						yes	
63	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	

The Pedon Horizon table lists the horizons for each pedon. If the horizon thickness is greater than zero (low=5, RV=8, high=12), the horizon exists throughout the exposure of the profile. If the horizon thickness includes zero (low=0, RV=1, high=3), the horizon may exist in some places, but may not exist in other places. Horizons that have two distinct parts, such as E/B or E&Bt, 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.

NASIS 7.4.2 Tables and Columns

Table Physical Name: phorizonrefecmdoc

Table Label: Pedon Horizon Reference ECM Documents

Table Logical Name: phorizon_ref_ecm_doc

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	phiidref	phorizon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	ECM Document Type	ecmdoctype	ecm_document_type	Choice	Smallint	no						no	document_kind
4	ECM Document Name	ecmdocname	ecm_document_name	String	Varchar	no	255					no	
5	ECM Document URL	ecmdockeyurl	ecm_document_key_url	Hyperlink	Varchar	no	138					no	
6	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
7	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						no	
8	Rec ID	phorizonrefecmdociid	phorizon_ref_ecm_doc_iid	Integer	Int	yes						no	

This table contains hyperlink(s) to document(s) stored in the Enterprise Content Management (ECM) system that are additional documentation of pedon horizons. A separate row is entered for each document stored in the ECM. The kinds of documents that can be stored are: Audio, images, diagrams, PDF, powerpoint presentations, spreadsheets, text (plain text or other word processing program), and video.

NASIS 7.4.2 Tables and Columns

Table Physical Name: phpores

Table Label: Pedon Horizon Pores

Table Logical Name: phorizon_pores

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	phiidref	phorizon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Quantity	poreqty	pore_quantity	Float	Real	no		1	0	99	pores/area	yes	
4	Quantity Class	poreqtyclass	pore_quantity_class	Choice	Smallint	no						yes	pore_quantity_class
5	Size	poresize	pore_size	Choice	Smallint	no						yes	pore_root_size
6	Continuity	porecont	pore_continuity_vertical	Choice	Smallint	no						yes	pore_continuity_vertical
7	Shape	poreshp	pore_shape	Choice	Smallint	no						yes	pore_shape
8	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
9	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
10	Rec ID	phporesiid	phor_pores_iid	Integer	Int	yes						yes	

The Pedon Horizon Pores table lists the voids for the horizon shown above in the Pedon Horizon table. More than one row can be listed because a horizon may have more than one size or shape of void.

NASIS 7.4.2 Tables and Columns

Table Physical Name: phpvsf

Table Label: Pedon Horizon Ped Void Surface Features

Table Logical Name: phorizon_ped_void_surf_feat

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	phiidref	phorizon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Percent	pvsfpct	pvsf_percent	Integer	Smallint	no			1	100	percent	yes	
4	Kind	pvsfkind	pvsf_kind	Choice	Smallint	no						yes	pvsf_kind
5	Distinctness	pvsfdistinct	pvsf_distinctness	Choice	Smallint	no						yes	pvsf_distinctness
6	Location	pvsflocation	pvsf_location	Choice	Smallint	no						yes	pvsf_location
7	Record When Last Updated	recwlupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
8	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
9	Rec ID	phpvsfiid	phor_pvsf_iid	Integer	Int	yes						yes	

The Pedon Horizon Ped Void Surface Feature table describes those features found on the surface of peds or voids in the respective soil horizon.

NASIS 7.4.2 Tables and Columns

Table Physical Name: phpvsfcolor

Table Label: Pedon Horizon Ped Void Surface Features Color

Table Logical Name: phorizon_pvsf_color

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	phpvsfiidref	phor_pvsf_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Color Pct	colorpct	color_percent	Integer	Smallint	no			1	100	percent	yes	
4	Hue	colorhue	color_hue	Choice	Smallint	no						yes	color_hue
5	Value	colorvalue	color_value	Choice	Smallint	no						yes	color_value
6	Chroma	colorchroma	color_chroma	Choice	Smallint	no						yes	color_chroma
7	Moist State	colormoistst	color_moisture_state	Choice	Smallint	no						yes	color_moisture_status
8	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
9	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
10	Rec ID	phpvsfcoloriid	phor_pvsf_color_iid	Integer	Int	yes						yes	

The Pedon Horizon Ped Void Surface Feature Color table describes the Munsell color(s) of an individual feature described in the Pedon Horizon Ped Void Surface Features table.

NASIS 7.4.2 Tables and Columns

Table Physical Name: phrdxfeatures

Table Label: Pedon Horizon Redoximorphic Features

Table Logical Name: phorizon_redox_features

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	phiidref	phorizon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Percent	rdxfeatpct	redox_feat_percent	Integer	Smallint	no			1	100	percent	yes	
4	Size	rdxfeatsize	redox_feat_size	Choice	Smallint	no						yes	concen_rmf_mottle_size
5	Contrast	rdxfeatcntrst	redox_feat_contrast	Choice	Smallint	no						yes	concen_rmf_mottle_contrast
6	Hardness	rdxfeathardness	redox_feat_hardness	Choice	Smallint	no						yes	concen_redox_hardness
7	Shape	rdxfeatshape	redox_feat_shape	Choice	Smallint	no						yes	concen_rmf_mottle_shape
8	Kind	rdxfeatkind	redox_feat_kind	Choice	Smallint	no						yes	redox_feat_kind
9	Location	rdxfeatlocation	redox_feat_location	Choice	Smallint	no						yes	concen_redox_location
10	Boundary	rdxfeatboundary	redox_feat_boundary	Choice	Smallint	no						yes	concen_redox_boundary
11	Record When Last Updated	recwlastupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
12	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
13	Rec ID	phrdxfiid	phor_redox_feat_iid	Integer	Int	yes						yes	

The Pedon Horizon Redoximorphic Features table describes those soil horizon features that are the result of the accumulation or depletion of minerals caused by the oxidation and/or reduction of iron and/or manganese.

NASIS 7.4.2 Tables and Columns

Table Physical Name: phredoxcolor

Table Label: Pedon Horizon Redoximorphic Features Color

Table Logical Name: phorizon_redox_feat_color

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	phrdxfiidref	phor_redox_feat_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Color Pct	colorpct	color_percent	Integer	Smallint	no			1	100	percent	yes	
4	Hue	colorhue	color_hue	Choice	Smallint	no						yes	color_hue
5	Value	colorvalue	color_value	Choice	Smallint	no						yes	color_value
6	Chroma	colorchroma	color_chroma	Choice	Smallint	no						yes	color_chroma
7	Moist State	colormoistst	color_moisture_state	Choice	Smallint	no						yes	color_moisture_status
8	Record When Last Updated	recwlastupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
9	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
10	Rec ID	phrdxfcoloriid	phor_redox_feat_color_iid	Integer	Int	yes						yes	

The Pedon Horizon Redox Feature Color table describes the Munsell color(s) of an individual feature described in the Pedon Horizon Redoximorphic Features table.

NASIS 7.4.2 Tables and Columns

Table Physical Name: phroots

Table Label: Pedon Horizon Roots

Table Logical Name: phorizon_roots

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	phiidref	phorizon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Quantity	rootsquantity	roots_quantity	Float	Real	no		1	0	99	roots/area	yes	
4	Quantity Class	rootsquantityclass	roots_quantity_class	Choice	Smallint	no						yes	root_quantity_class
5	Size	rootssize	roots_size	Choice	Smallint	no						yes	pore_root_size
6	Location	rootslocation	roots_location	Choice	Smallint	no						yes	roots_location
7	Record When Last Updated	recwlastupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
8	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
9	Rec ID	phrootsiid	phor_roots_iid	Integer	Int	yes						yes	

The Pedon Horizon Roots table describes the abundance, size and location of roots in each soil horizon.

NASIS 7.4.2 Tables and Columns

Table Physical Name: phsample

Table Label: Pedon Horizon Sample

Table Logical Name: phorizon_sample

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	phiidref	phorizon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Lab Sample Nmb	labsampnum	laboratory_sample_number	String	Varchar	no	10					yes	
4	Field Sample ID	fidsampid	field_sample_id	String	Varchar	no	20					yes	
5	Depth to Top	layerdepthtop	layer_depth_to_top	Integer	Smallint	no			0	9999		yes	
6	Depth to Bottom	layerdepthbottom	layer_depth_to_bottom	Integer	Smallint	no			0	9999		yes	
7	Number of Bulk Sample Bags	numberofbulksampbags	number_of_bulk_sample_bags	Integer	Smallint	no			0			yes	
8	Number of Bulk Density Clods	numberofbulkdensityclods	number_of_bulk_density_clods	Integer	Smallint	no			0			yes	
9	Number of Natural Fabric Clods	numberofnaturalfabricclods	number_of_natural_fabric_clods	Integer	Smallint	no			0			yes	
10	Number of Other samples	numberofothersamples	number_of_other_samples	Integer	Smallint	no			0			yes	
11	Weight of 20 to 76 mm Discarded Fragments	wt20to76mmdiscardedfragments	wt_20_to_76_mm_discarded_frags	Float	Float	no		2	0.01	999	kg	yes	
12	Weight Less Than 20 mm	wtlt20mm	weight_less_than_20_mm	Float	Float	no		2	0.01	999	kg	yes	
13	Record When Last Updated	recwlastupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
14	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
15	Rec ID	phlabsampiid	phor_lab_sample_iid	Integer	Int	yes						yes	

The Pedon Horizon Sample table describes the relationship between a soil horizon description and other types of data that may be in the database that relate to that specific horizon, i.e. laboratory analysis results.

NASIS 7.4.2 Tables and Columns

Table Physical Name: phstructure

Table Label: Pedon Horizon Soil Structure

Table Logical Name: phorizon_structure

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	phiidref	phorizon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Structure Grade	structgrade	structure_grade	Choice	Smallint	no						yes	structure_grade
4	Structure Size	structsize	structure_size	Choice	Smallint	no						yes	structure_size
5	Type	structtype	structure_type	Choice	Smallint	no						yes	structure_type
6	Structure ID	structid	structure_id	Integer	Smallint	no			1			yes	
7	Parts to Structure ID	structpartsto	structure_parts_to	Integer	Smallint	no			1			yes	
8	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
9	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
10	Rec ID	phstructureiid	phor_structure_iid	Integer	Int	yes						yes	

The Pedon Horizon Soil Structure table describes the soil structure of each horizon described. Multiple types, size and grades of structure may be described as well as their relationship to one another.

NASIS 7.4.2 Tables and Columns

Table Physical Name: phtext

Table Label: Pedon Horizon Text

Table Logical Name: phorizon_text

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	phiidref	phorizon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Date	recdate	record_date	Date/Time	Datetime	no						yes	
4	Author	recauthor	record_author	String	Varchar	no	25					yes	
5	Kind	phorizontextkind	phorizon_text_kind	Choice	Smallint	no						yes	phorizon_text_kind
6	Category	textcat	text_category	String	Varchar	no	20					yes	
7	Subcategory	textsubcat	text_subcategory	String	Varchar	no	20					yes	
8	Text Entry	textentry	text_entry	Narrative Text	Varchar(max)	no						yes	
9	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
10	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
11	Rec ID	phtextiid	phor_text_iid	Integer	Int	yes						yes	

The Horizon Text table contains notes and narrative descriptions for each horizon. Horizon text is typically used to document additional features observed for a horizon, but no data elements exist for these features. An entry is optional. In many cases, the table is empty.

NASIS 7.4.2 Tables and Columns

Table Physical Name: phtexture

Table Label: Pedon Horizon Texture

Table Logical Name: phorizon_texture

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	phiidref	phorizon_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Texture	texcl	texture_class	Choice	Smallint	no						yes	texture_class
4	In Lieu	lieutex	terms_used_in_lieu_of_texture	Choice	Smallint	no						yes	terms_used_in_lieu_of_texture
5	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
6	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
7	Rec ID	phtiid	phor_texture_iid	Integer	Int	yes						yes	

The Horizon Texture table lists the texture, or terms in lieu of texture, for the texture modifier and class shown above in the Pedon Horizon table. Only the unmodified texture term is listed in the Pedon Horizon Texture table; modifiers are listed in the Pedon Horizon Texture Modifier table. For example, a gravelly loamy sand is shown as "GR-LS" in the Pedon Horizon table, "ls" in this table, and "gr" in the Pedon Horizon Texture Modifier table.

NASIS 7.4.2 Tables and Columns

Table Physical Name: phtexturemod

Table Label: Pedon Horizon Texture Modifier

Table Logical Name: phorizon_texture_modifier

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	phtidref	phor_texture_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Modifier	texmod	texture_modifier	Choice	Smallint	no						yes	texture_modifier
4	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
5	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
6	Rec ID	phtexmodiid	phor_texture_modifier_iid	Integer	Int	yes						yes	

The Pedon Horizon Texture Modifier table lists the texture modifiers for the texture shown above in the Pedon Horizon and Pedon Horizon Texture tables. For example, a gravelly loamy sand is shown as "GR-LS" in the Pedon Horizon table, "ls" in the Pedon Horizon Texture table, and "gr" in this table.

NASIS 7.4.2 Tables and Columns

Table Physical Name: phvnirscan

Table Label: Pedon Horizon VNIR Scan

Table Logical Name: phorizon_vnir_scan

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	phiidref	phorizon_iid_ref	Integer	Int	yes						no	
2	Top Depth	vnirdepthtop	vnir_depth_to_top	Integer	Int	yes			0	9999	cm	yes	
3	Bottom Depth	vnirdepthbottom	vnir_depth_to_bottom	Integer	Int	yes			0	9999	cm	yes	
4	Sample Condition	vnirsamplecondition	vnir_sample_condition	Choice	Smallint	yes						yes	vnir_sample_condition
5	Light Source	vnirlightsource	vnir_light_source	Choice	Smallint	yes						yes	vnir_light_source
6	VNIR Scan Date	vnirscandate	vnir_scan_date	Date/Time	Datetime	yes						yes	
7	VNIR File Name	vnirfilename	vnir_file_name	File Reference	Varchar	yes	260					yes	
8	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
9	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
10	Rec ID	phvnirscaniid	phor_vnir_scan_iid	Integer	Int	yes						yes	

This table records information about VNIR scans run on samples for a particular pedon and its horizons.

NASIS 7.4.2 Tables and Columns

Table Physical Name: phvnirscanrawdata

Table Label: Pedon Horizon VNIR Scan Raw Data

Table Logical Name: phorizon_vnir_scan_raw_data

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	phvnirscaniidref	phor_vnir_scan_iid_ref	Integer	Int	yes						no	
2	VNIR Data	vnirdata	vnir_data	Binary	Varbinary(max)	yes						no	
3	Rec ID	phvnirscanrawdataiid	phor_vnir_scan_raw_data_iid	Integer	Int	yes						no	

The table stores the VNIR binary file for a particular pedon and its horizons.

NASIS 7.4.2 Tables and Columns

Table Physical Name: phvnirscanresult

Table Label: Pedon Horizon VNIR Scan Result

Table Logical Name: phorizon_vnir_scan_result

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	phvnirscaniidref	phor_vnir_scan_iid_ref	Integer	Int	yes						no	
2	VNIR Model ID	vnirmodelid	vnir_model_id	String	Varchar	yes	20					yes	
3	Date	vnirmodelrundate	vnir_model_run_date	Date/Time	Datetime	yes						yes	
4	Total Carbon Pct	carbontotalpct	carbon_total_percent	Float	Real	no		2	0.01	100	percent	yes	
5	Inorganic Carbon Pct	carboninorganicpct	carbon_inorganic_percent	Float	Real	no		2	0.01	100	percent	yes	
6	Organic Carbon Pct	carbonorganicpct	carbon_organic_percent	Float	Real	no		2	0.01	100	percent	yes	
7	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
8	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
9	Rec ID	phvnirscanresultid	phor_vnir_scan_result_iid	Integer	Int	yes						yes	

This table records soil property estimates generated from VNIR scan data.

NASIS 7.4.2 Tables and Columns

Table Physical Name: plant

Table Label: Plant

Table Logical Name: plant

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Plant Symbol	plantsym	plant_symbol	String	Varchar	yes	8					yes	
2	Scientific Name	plantsciname	plant_scientific_name	String	Varchar	no	250					yes	
3	National Vernacular Name	plantnatvernmm	plant_national_vernacular_name	String	Varchar	no	100					yes	
4	Genus Name	plantgenus	plant_genus	String	Varchar	no	100					yes	
5	Species Name	plantspecies	plant_species	String	Varchar	no	100					yes	
6	Subspecies Name	plantsubspecies	plant_subspecies	String	Varchar	no	100					yes	
7	Variety Name	plantvariety	plant_variety	String	Varchar	no	100					yes	
8	Obsolete?	obterm	obsolete_term	Boolean	Bit	yes						yes	
9	Plant NASIS Site	plantdbiidref	plant_database_iid_ref	Integer	Int	yes						yes	
10	NASIS Group	grpriidref	group_iid_ref	Integer	Int	yes						yes	
11	Object Last Updated	objwupdated	object_when_last_updated	Date/Time	Datetime	no						yes	
12	Object Last Updated By	objuseridref	object_user_iid_ref	Integer	Int	no						yes	
13	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
14	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
15	Rec ID	plantiid	plant_iid	Integer	Int	yes						yes	

Each record in the Plant table represents a plant, where a plant is defined as a unique instance of a scientific (taxonomic) name. While scientific name author may be required in order to make a scientific name unique, scientific name author is not included as part of the scientific name in this table. The plant symbol attribute is a business oriented field that uniquely identifies a plant. The Plant table contains a mixture of currently accepted nomenclature and obsolete nomenclature. If a plant in this table represents obsolete nomenclature, it will have one or more corresponding records in the Plant Synonym table denoting the currently accepted nomenclature for that plant.

NASIS 7.4.2 Tables and Columns

Table Physical Name: plantprodquadratdetails

Table Label: Plant Production Quadrat Details

Table Logical Name: plant_prod_quadrat_details

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	vegtransplantsummiidref	veg_trans_plant_summ_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Quadrat Nmbr	quadratnumber	quadrat_number	Integer	Int	yes			1	999		yes	
4	Transect Point Location	transectpointlocation	transect_point_location	Float	Real	no		1	0	1000	feet	yes	
5	Quadrat Clipped	quadratclippedindicator	quadrat_clipped_indicator	Boolean	Bit	yes						yes	
6	Species Wt Air Dry	specieswtairdry	species_wt_air_dry	Integer	Int	no			0		g	yes	
7	Species Wt Clipped	specieswtclipped	species_wt_clipped	Integer	Int	no			0		g	yes	
8	Species Wt Estimated	specieswtestimated	species_wt_estimated	Integer	Int	no			0		g	yes	
9	Spp Trace Amount Flag	speciestraceamtflag	species_trace_amt_flag	Boolean	Bit	yes						yes	
10	Nmbr of Weight Units	weightunitcount	weight_unit_count	Float	Real	no		2	0	99		yes	
11	Species Canopy Cover Pct	speciescancovpct	species_canopy_cover_pct	Integer	Smallint	no			0	100	percent	yes	
12	Species Canopy Cover Class	speciescancovclass	species_canopy_cover_class	Choice	Smallint	no						yes	canopy_cover_class
13	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
14	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
15	Rec ID	plantprodquaddetailsiid	plant_prod_quad_details_iid	Integer	Int	yes						yes	

This table contains data collected from individual quadrats along a transect collected using the Double Sampling, Harvest, and/or Weight Unit protocols as part of a vegetation inventory.

NASIS 7.4.2 Tables and Columns

Table Physical Name: plantsyn

Table Label: Plant Synonym

Table Logical Name: plant_synonym

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	plantidref	plant_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Accepted Plant	plantidref2	plant_iid_ref_2	Integer	Int	yes						yes	
4	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
5	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
6	Rec ID	plantsyniid	plant_synonym_iid	Integer	Int	yes						yes	

The Plant Synonym table records the relationship between obsolete plant nomenclature and currently accepted nomenclature. Typically there is a single counterpart for an obsolete plant, but some obsolete plants are split into more than one new plant.

NASIS 7.4.2 Tables and Columns

Table Physical Name: plotdisturbance

Table Label: Plot Disturbance

Table Logical Name: plot_disturbance

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	vegplotidref	vegetation_plot_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Disturbance Type	disturbancetype	disturbance_type	Choice	Smallint	yes						yes	disturbance_type
4	Frequency	disturbancefrequency	disturbance_frequency	Choice	Smallint	no						yes	disturbance_frequency
5	Disturbance Impact	disturbanceimpact	disturbance_impact	Choice	Smallint	no						yes	disturbance_impact
6	When Last Applied	disturbancelastapplied	disturbance_last_applied	Choice	Smallint	no						yes	disturbance_last_applied
7	Notes	notes	notes	Narrative Text	Varchar(max)	no						yes	
8	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
9	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
10	Rec ID	plotdisturbanceiid	plot_disturbance_iid	Integer	Int	yes						yes	

This table contains data pertaining to disturbances that have occurred at the plot location.

NASIS 7.4.2 Tables and Columns

Table Physical Name: plotdisturbrefecmdoc

Table Label: Plot Disturbance Reference ECM Documents

Table Logical Name: plot_disturb_ref_ecm_doc

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	plotdisturbiidref	plot_disturbance_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	ECM Document Type	ecmdoctype	ecm_document_type	Choice	Smallint	no						no	document_kind
4	ECM Document Name	ecmdocname	ecm_document_name	String	Varchar	no	255					no	
5	ECM Document URL	ecmdockeyurl	ecm_document_key_url	Hyperlink	Varchar	no	138					no	
6	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
7	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						no	
8	Rec ID	plotdisturbrefecmdociid	plot_disturb_ref_ecm_doc_iid	Integer	Int	yes						no	

This table contains hyperlink(s) to document(s) stored in the Enterprise Content Management (ECM) system that are additional documentation of any disturbance found on the plot. A separate row is entered for each document stored in the ECM. The kinds of documents that can be stored are: Audio, images, diagrams, PDF, powerpoint presentations, spreadsheets, text (plain text or other word processing program), and video.

NASIS 7.4.2 Tables and Columns

Table Physical Name: plotgrazerefecmdoc

Table Label: Plot Grazing Reference ECM Documents

Table Logical Name: plot_graze_ref_ecm_doc

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	plotgrazinguseiidref	plot_grazing_use_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	ECM Document Type	ecmdoctype	ecm_document_type	Choice	Smallint	no						no	document_kind
4	ECM Document Name	ecmdocname	ecm_document_name	String	Varchar	no	255					no	
5	ECM Document URL	ecmdockeyurl	ecm_document_key_url	Hyperlink	Varchar	no	138					no	
6	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
7	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						no	
8	Rec ID	plotgrazeusererefecmdociid	plot_graze_use_ref_ecm_doc_iid	Integer	Int	yes						no	

This table contains hyperlink(s) to document(s) stored in the Enterprise Content Management (ECM) system that are additional documentation of grazing found on the plot. A separate row is entered for each document stored in the ECM. The kinds of documents that can be stored are: Audio, images, diagrams, PDF, powerpoint presentations, spreadsheets, text (plain text or other word processing program), and video.

NASIS 7.4.2 Tables and Columns

Table Physical Name: plotgrazinguse

Table Label: Plot Grazing Use

Table Logical Name: plot_grazing_use

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	vegplotiidref	vegetation_plot_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Animal Kind	animalkind	animal_kind	Choice	Smallint	yes						yes	animal_kind
4	Frequency of Use	usefrequency	use_frequency	Choice	Smallint	no						yes	use_frequency
5	Season of Use	seasonofuse	season_of_use	Choice	Smallint	no						yes	season_of_use
6	Stocking Rate	stockingratecl	stocking_rate_class	Choice	Smallint	no						yes	stocking_rate
7	AK Grazing Plant Group	akgrazingplantgroup	ak_grazing_plant_group	Choice	Smallint	no						yes	ak_grazing_plant_group
8	AK Grazing Impact	akgrazingimpact	ak_grazing_impact	Choice	Smallint	no						yes	ak_grazing_impact
9	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
10	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
11	Rec ID	plotgrazinguseiid	plot_grazing_use_iid	Integer	Int	yes						yes	

This table contains data pertaining to the browsing or grazing use of the plot area.

NASIS 7.4.2 Tables and Columns

Table Physical Name: plotmainforeststanddetails

Table Label: Main Forest Stand Details

Table Logical Name: plot_main_forest_stand_details

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	vegplotidref	vegetation_plot_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Tree ID #	treenumber	tree_number	Integer	Int	yes			1			yes	
4	Distance From Previous Point	distancefromprevious	distance_from_previous	Float	Real	yes		1	1		feet	yes	
5	Plant	plantidref	plant_iid_ref	Integer	Int	yes						yes	
6	DBH	treediameterbreastheight	tree_diameter_breast_height	Float	Real	no		1	0.1	360	inches	yes	
7	Tree Condition	treeconditions	tree_condition	Choice	Smallint	no						yes	tree_condition
8	Notes	notes	notes	Narrative Text	Varchar(max)	no						yes	
9	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
10	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
11	Rec ID	plotmainforstanddetailiid	plot_main_for_stand_detail_iid	Integer	Int	yes						yes	

This table contains data collected about the 'main' forest stand present on a particular vegetation plot.

NASIS 7.4.2 Tables and Columns

Table Physical Name: plotplantinventory

Table Label: Plot Plant Inventory

Table Logical Name: plot_plant_inventory

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	vegplotidref	vegetation_plot_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Plant	plantidref	plant_iid_ref	Integer	Int	yes						yes	
4	Plant Type Group	planttypegroup	plant_type_group	Choice	Smallint	no						yes	plant_type
5	AK Stratum Cover Class	akstratumcoverclass	ak_stratum_cover_class	Choice	Smallint	no						yes	ak_stratum_cover_class
6	Height Class Lower Limit	plantheightcllowerlimit	plant_height_class_lower_limit	Float	Real	no	1	0	500	feet	yes		
7	Height Class Upper Limit	plantheightclupperlimit	plant_height_class_upper_limit	Float	Real	no	1	0	500	feet	yes		
8	Plant Nativity	plantnativity	plant_nativity	Choice	Smallint	no						yes	plant_nativity
9	Sociability Class	sociabilityclass	sociability_class	Choice	Smallint	no						yes	sociability_class
10	Live Canopy Ht Bottom	livecanopyhtbottom	live_canopy_height_bottom	Float	Float	no	1	0	500	feet	yes		
11	Live Canopy Ht Top	livecanopyhttop	live_canopy_height_top	Float	Float	no	1	0	500	feet	yes		
12	Overstory DBH Minimum	overstorydbhmin	overstory_dbh_minimum	Float	Real	no	1	0.1	99	inches	yes		
13	Overstory DBH Maximum	overstorydbhmax	overstory_dbh_maximum	Float	Real	no	1	0.1	360	inches	yes		
14	Species Canopy Cover Percent	speciescancovpct	species_canopy_cover_pct	Integer	Smallint	no		0	100	percent	yes		
15	Canopy Cover Pct	speciescancovclass	species_canopy_cover_class	Choice	Smallint	no						yes	canopy_cover_class
16	Spp Composition Pct	speciescompct	species_comp_pct	Integer	Smallint	no		0	100	percent	yes		
17	Spp DBH Average	speciesdbhaverage	species_diameter_breast_ht_ave	Float	Real	no	1	1	360	inches	yes		
18	Spp Comp by Wt Pct	speciescompbywtpct	species_comp_by_wt_pct	Float	Float	no	1	0	100	percent	yes		
19	Tree Spp Counted	speciestreecount	species_tree_count	Integer	Int	no		1	999		yes		
20	Spp Trace Amount Flag	speciestraceamtflag	species_trace_amt_flag	Boolean	Bit	yes						yes	
21	Basal Area by Spp	speciesbasalarea	species_basal_area	Integer	Int	no			1	500	ft2/acre	yes	
22	Understory Ground Cover Pct	understorygrcovpct	understory_ground_cover_pct	Integer	Smallint	no		0	100	percent	yes		
23	Understory Ground Cover Class	understorygrcovclass	understory_ground_cov_class	Choice	Smallint	no						yes	ground_cover_class
24	Seedling Density Class	seedlingdensityclass	seedling_density_class	Choice	Smallint	no						yes	plant_density_class
25	Mature Density Class	maturedensityclass	mature_density_class	Choice	Smallint	no						yes	plant_density_class
26	Vegetation Strata Level	vegetationstratalevel	vegetation_strata_level	Choice	Smallint	no						yes	vegetation_strata_level
27	Order of Dominance	orderofdominance	order_of_dominance	Integer	Int	no			1	10		yes	
28	Observed Outside Plot	outsideplotindicator	outside_plot_indicator	Boolean	Bit	yes						yes	
29	Estimated Annual Prod	estannualprod	estimated_annual_prod	Integer	Int	no			0		lbs/acre	yes	
30	ESD Annual Prod	esdannualprod	esd_annual_prod	Integer	Int	no			0		lbs/acre	yes	
31	Allowable Annual Prod	allowableannualprod	allowable_annual_prod	Integer	Int	no			0		lbs/acre	yes	
32	Palatable Annual Prod	palatableannualprod	palatable_annual_prod	Integer	Int	no			0		lbs/acre	yes	
33	AK Functional Group	akfunctionalgroup	ak_functional_group	Choice	Smallint	no						yes	ak_functional_group
34	AK Stratum Cover Class Pct	akstratumcoverclasspct	ak_stratum_cover_class_pct	Float	Float	no	1	0.1	100	percent	yes		
35	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
36	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
37	Rec ID	plotplantinventoryiid	plot_plant_inventory_iid	Integer	Int	yes						yes	

This table contains data collected pertaining to individual plant species found on the plot. The inventory data were collected from the plot as a whole as opposed to collecting plant data along transects within the plot.

NASIS 7.4.2 Tables and Columns

Table Physical Name: plotplanttypecanopycover

Table Label: Plot Plant Type Canopy Cover

Table Logical Name: plot_plant_type_canopy_cover

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	vegplotiidref	vegetation_plot_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Plant Type Group	planttypegroup	plant_type_group	Choice	Smallint	yes						yes	plant_type
4	Height Class Lower Limit	planheightcllowerlimit	plant_height_class_lower_limit	Float	Real	yes	1	0	500	feet	yes		
5	Height Class Upper Limit	planheightclupperlimit	plant_height_class_upper_limit	Float	Real	yes	1	0	500	feet	yes		
6	Canopy Cover Pct	planttypecancovpct	plant_type_canopy_cover_pct	Integer	Smallint	no			0	100	percent	yes	
7	Canopy Cover Class	planttypecancovclass	plant_type_canopy_cover_class	Choice	Smallint	no						yes	canopy_cover_class
8	Assessment Method	cancovassessmethod	canopy_cover_assess_method	Choice	Smallint	no						yes	assessment_method
9	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
10	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
11	Rec ID	plotplanttypecancoviid	plot_plant_type_canopy_cov_iid	Integer	Int	yes						yes	

This table contains data pertaining to canopy cover by various plant type groups within a vegetation plot.

NASIS 7.4.2 Tables and Columns

Table Physical Name: plotsamplingprotocolused

Table Label: Plot Sampling Protocol Used

Table Logical Name: plot_sampling_protocol_used

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	vegplotidref	vegetation_plot_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Protocol Name	plotsampprotocolname	plot_sampling_protocol_name	Choice	Smallint	yes						yes	plot_protocol
4	Data Collector	datacollector	data_collector	String	Varchar	no	60					yes	
5	Data Collector	datarecorder	data_recorder	String	Varchar	no	50					yes	
6	Sampling Intensity	samplingintensity	sampling_intensity	Choice	Smallint	no						yes	sampling_intensity
7	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
8	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
9	Rec ID	plotsampprotocolusediid	plot_samp_protocol_used_iid	Integer	Int	yes						yes	

This table lists the sampling protocol(s) used to collected vegetation inventory data from the plot as a whole. Protocols used along individual vegetation transects are recorded in the Transect Sampling Protocol Used table.

NASIS 7.4.2 Tables and Columns

Table Physical Name: plotsampprotocolrefecmdoc

Table Label: Plot Samplie Protocol ECM Documents

Table Logical Name: plot_samp_protocol_ref_ecm_doc

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	plotsampprotoclusediidref	plot_samp_protocl_used_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	ECM Document Type	ecmdoctype	ecm_document_type	Choice	Smallint	no						no	document_kind
4	ECM Document Name	ecmdocname	ecm_document_name	String	Varchar	no	255					no	
5	ECM Document URL	ecmdockeyurl	ecm_document_key_url	Hyperlink	Varchar	no	138					no	
6	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
7	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						no	
8	Rec ID	plotsampprotrefecmdociid	plot_samp_prot_ref_ecm_doc_iid	Integer	Int	yes						no	

This table contains hyperlink(s) to document(s) stored in the Enterprise Content Management (ECM) system that are additional documentation of the specific sampling protocol used. A separate row is entered for each document stored in the ECM. The kinds of documents that can be stored are: Audio, images, diagrams, PDF, powerpoint presentations, spreadsheets, text (plain text or other word processing program), and video.

NASIS 7.4.2 Tables and Columns

Table Physical Name: plotspeciesbasalarea

Table Label: Plot Species Basal Area

Table Logical Name: plot_species_basal_area

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	vegplotidref	vegetation_plot_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Plant	plantidref	plant_iid_ref	Integer	Int	yes						yes	
4	Basal Area Factor	basalareafactor	basal_area_factor	Choice	Smallint	yes						yes	basal_area_factor
5	Nmbr of Trees In	speciesnumbertreesin	species_number_of_trees_in	Integer	Int	no			0			yes	
6	Spp BA	speciesbasalarea	species_basal_area	Integer	Int	no			1	500	ft2/acre	yes	
7	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
8	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
9	Rec ID	plotspeciebasalareaiid	plot_specie_basal_area_iid	Integer	Int	yes						yes	

This table contains data pertaining to basal area of individual species collected as part of a vegetation inventory within a vegetation plot.

NASIS 7.4.2 Tables and Columns

Table Physical Name: `plottreeinventory`

Table Label: Plot Tree Inventory

Table Logical Name: `plot_tree_inventory`

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	vegplotidref	vegetation_plot_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Plant	plantidref	plant_iid_ref	Integer	Int	yes						yes	
4	Nmbr of Trees Counted	speciestreecount	species_tree_count	Integer	Int	no			1	999		yes	
5	Veg Plot Tree Inventory Composition Pct	speciescompct	species_comp_pct	Integer	Smallint	no			0	100	percent	yes	
6	Veg Plot Tree Inventory DBH Avg	speciesdbhaverage	species_diameter_breast_ht_ave	Float	Real	no		1	1	360	inches	yes	
7	Species Basal Area	speciesbasalarea	species_basal_area	Integer	Int	no			1	500	ft2/acre	yes	
8	Rec ID	plottreeinventoryiid	plot_tree_inventory_iid	Integer	Int	yes						yes	
9	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
10	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	

This table contains data about tree species found on a plot.

NASIS 7.4.2 Tables and Columns

Table Physical Name: plottreescounted

Table Label: Plot Trees Counted

Table Logical Name: plot_trees_counted

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	plottreeinventoryiidref	plot_tree_inventory_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	DBH Class Midpoint	dbhclassmidpoint	dbh_class_midpoint	Integer	Int	yes			2	360	inches	yes	
4	Nmbr of Trees Counted	dbhclassspeciestreecount	dbh_class_species_tree_count	Integer	Int	yes			1			yes	
5	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
6	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
7	Rec ID	plottreescountediid	plot_trees_counted_iid	Integer	Int	yes						yes	

This table contains data about the trees of a species counted in various DBH size classes within a plot.

NASIS 7.4.2 Tables and Columns

Table Physical Name: plottreesiteindexdetails

Table Label: Plot Tree Site Index Details

Table Logical Name: plot_tree_site_index_details

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	plottreesiteindsumiidref	plot_tree_site_ind_sum_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Tree ID Nmbr	treenumber	tree_number	Integer	Int	yes			1			yes	
4	Crown Class	crownclass	crown_class	Choice	Smallint	no						yes	crown_class
5	Reproduction Source	reproductionsource	reproduction_source	Choice	Smallint	no						yes	reproduction_source
6	DBH	treediameterbreastheight	tree_diameter_breast_height	Float	Real	no	1	0.1	360	inches	yes		
7	Ten Yr Growth Radius	tenyeargrowthradius	ten_year_growth_radius	Float	Real	no	1	0.1	100	inches	yes		
8	Growth Ring Count	growthringcount	growth_ring_count	Integer	Int	no			1	5000		yes	
9	Growth Ring Count Height	growthringcountheight	growth_ring_count_height	Float	Real	no	1	0	9	feet	yes		
10	Growth Ring Count Age	growthringcountage	growth_ring_count_age	Integer	Int	no			1	5000	yrs	yes	
11	Tree Age	treeage	tree_age	Integer	Int	no			1	5000	yrs	yes	
12	Canopy Ht Bottom	treecanopyhtbottom	tree_canopy_ht_bottom	Integer	Int	no			1	500	feet	yes	
13	Canopy Ht Top	treecanopyhttop	tree_canopy_ht_top	Integer	Int	no			1	500	feet	yes	
14	AK Number of Rings in Last Inch	aknoringsinlastinch	ak_no_of_rings_in_last_inch	Integer	Smallint	no			0	999		yes	
15	Alaska Crown Class	akcrownclass	ak_crown_class	Choice	Smallint	no						yes	ak_crown_class
16	Record When Last Updated	recwlastupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
17	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
18	Rec ID	plottreesiteinddetailsiid	plot_tree_site_ind_details_iid	Integer	Int	yes						yes	

This table contains measurements from individual trees of a species collected for site index purposes.

NASIS 7.4.2 Tables and Columns

Table Physical Name: plottreesiteindexsummary

Table Label: Plot Tree Site Index Summary

Table Logical Name: plot_tree_site_index_summary

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	vegplotiidref	vegetation_plot_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Plant	plantiidref	plant_iid_ref	Integer	Int	yes						yes	
4	Plant Nativity	plantnativity	plant_nativity	Choice	Smallint	no						yes	plant_nativity
5	Site Index Base	siteindexbase	site_index_base	Choice	Smallint	yes						yes	site_index_curves
6	Nmbr of Trees Counted	speciestreecount	species_tree_count	Integer	Int	no			1	999		yes	
7	Average Site Index	siteindexplotave	site_index_plot_average	Integer	Int	no			1	999		yes	
8	DBH Avg	speciesdbhaverage	species_diameter_breast_ht_ave	Float	Real	no		1	1	360	inches	yes	
9	Average Tree Age	treeageave	tree_age_average	Integer	Int	no			1	5000	yrs	yes	
10	Average Canopy Top Ht	treecanopyhttopave	tree_canopy_ht_top_ave	Integer	Int	no			1	500	feet	yes	
11	Record When Last Updated	recwlastupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
12	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
13	Rec ID	plottreesiteindsumiid	plot_tree_site_ind_sum_iid	Integer	Int	yes						yes	

This table contains tree species data collected from a vegetation plot for site index purposes.

NASIS 7.4.2 Tables and Columns

Table Physical Name: plottreesummary

Table Label: Plot Tree Summary

Table Logical Name: plot_tree_summary

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	vegplotidref	vegetation_plot_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	DBH Class Midpoint	dbhclassmidpoint	dbh_class_midpoint	Integer	Int	yes			2	360	inches	yes	
4	Nmbr of Trees Counted	dbhclasstreecount	dbh_class_tree_count	Integer	Int	no			1			yes	
5	DBH Class BA	dbhclassbasalarea	dbh_class_basal_area	Integer	Int	no			1	500	ft2/acre	yes	
6	DBH Class Tree Density	dbhclasstreedensity	dbh_class_tree_density	Integer	Int	no			1		trees/ac	yes	
7	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
8	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
9	Rec ID	plottreesummaryiid	plot_tree_summary_iid	Integer	Int	yes						yes	

This table contains summary data about trees in various DBH size classes within a plot.

NASIS 7.4.2 Tables and Columns

Table Physical Name: pointplantcoverdetails

Table Label: Point Plant Cover Details

Table Logical Name: point_plant_cover_details

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	vegtransplantsummiidref	veg_trans_plant_summ_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Transect Point Location	transectpointlocation	transect_point_location	Float	Real	yes		1	0	1000	feet	yes	
4	Point Plant Cvr Details Live Canopy Ht Bottom	livecanopyhtbottom	live_canopy_height_bottom	Float	Float	no		1	0	500	feet	yes	
5	Live Canopy Ht Top	livecanopyhttop	live_canopy_height_top	Float	Float	no		1	0	500	feet	yes	
6	Canopy Cover Present	canopycoverpresent	canopy_cover_present	Boolean	Bit	yes						yes	
7	Foliar Cover Present	foliarcoverpresent	foliar_cover_present	Boolean	Bit	yes						yes	
8	Basal Cover Present	basalcoverpresent	basal_cover_present	Boolean	Bit	yes						yes	
9	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
10	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
11	Rec ID	pointplantcovdetailsiid	point_plant_cov_details_iid	Integer	Int	yes						yes	

This table contains data pertaining to plant cover collected at points along a vegetation transect.

NASIS 7.4.2 Tables and Columns

Table Physical Name: previousyearcovercrop

Table Label: Previous Year Cover Crop

Table Logical Name: previous_year_cover_crop

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	croppingpracticesiidref	cropping_practices_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	Previous Year Cover Crop Grown	previousyearcovercrop	previous_year_cover_crop	Choice	Smallint	no						no	cover_crop_grown
4	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
5	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						no	
6	Rec ID	previousyearcovercropiid	previous_year_cover_crop_iid	Integer	Int	yes						no	

Select choice(s) from the cover_crop_name Domain.

NASIS 7.4.2 Tables and Columns

Table Physical Name: previousyearcrop

Table Label: Previous Year Crop

Table Logical Name: previous_year_crop

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	croppingpracticesiidref	cropping_practices_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	Previous Year Crop Grown	previousyearcrop	previous_year_crop	Choice	Smallint	no						no	crop_name
4	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
5	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						no	
6	Rec ID	previousyearcropiid	previous_year_crop_iid	Integer	Int	yes						no	

Select crop name from the Domain = crop_name list.

NASIS 7.4.2 Tables and Columns

Table Physical Name: project

Table Label: Project

Table Logical Name: project

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	User Project ID	uprojectid	user_project_id	String	Varchar	yes	60					yes	
2	Project Name	projectname	project_name	String	Varchar	yes	254					yes	
3	Description	projectdesc	project_description	Narrative Text	Varchar(max)	no						yes	
4	Approved	projectapprovedflag	project_approved_flag	Boolean	Bit	yes						yes	
5	Completed	projectcompletedflag	project_completed_flag	Boolean	Bit	yes						yes	
6	Project Type	projecttypeiidref	project_type_iid_ref	Integer	Int	no						yes	
7	Project Subtype	projectsubtypeiidref	project_subtype_iid_ref	Integer	Int	no						yes	
8	MLRA Soil Survey Office Area	mlrassoareaiidref	mlrassoarea_iid_ref	Integer	Int	no						yes	
9	MLRA Soil Survey Office Area Type	mlrassoareatypeiidref	mlrassoarea_type_iid_ref	Integer	Int	yes						no	
10	Non-MLRA Soil Survey Area	nonmlrassaareaiidref	nonmlrassaarea_iid_ref	Integer	Int	no						yes	
11	Non MLRA Soil Survey Area Type	nonmlrassaareatypeiidref	nonmlrassaarea_type_iid_ref	Integer	Int	yes						no	
12	State Responsible	stateresponsible	state_responsible	Choice	Smallint	no						yes	state_fips_code_alpha
13	English Edit Site	editorsite	editor_site	Choice	Smallint	no						yes	editor_site
14	Compilation Funding Year	compfundyr	compilation_funding_year	Date/Time	Datetime	no						yes	
15	Digital Map Finishing Site	dmfsite	dmf_site	Choice	Smallint	no						yes	dmf_site
16	Map Finish Method	mapfinishmeth	map_finish_method	Choice	Smallint	no						yes	map_finish_method
17	SSURGO Initiative?	ssurgoinitiative	ssurgo_initiative	Boolean	Bit	yes						yes	
18	Digitizing Funding Year	digfundyr	digitizing_funding_year	Date/Time	Datetime	no						yes	
19	Digitizing Unit	digunit	digitizing_unit	Choice	Smallint	no						yes	digitizing_unit
20	Project NASIS Site	projectdbiidref	project_database_iid_ref	Integer	Int	yes						yes	
21	NASIS Group	grpriidref	group_iid_ref	Integer	Int	yes						yes	
22	Object Last Updated	objwluupdated	object_when_last_updated	Date/Time	Datetime	no						yes	
23	Object Last Updated By	objuseriidref	object_user_iid_ref	Integer	Int	no						yes	
24	Record When Last Updated	recwluupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
25	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
26	Rec ID	projectiid	project_iid	Integer	Int	yes						yes	

This table provides for the listing of projects to be completed.

NASIS 7.4.2 Tables and Columns

Table Physical Name: projectconcern

Table Label: Project Concern Need

Table Logical Name: project_concern

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	projectiidref	project_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Project Concern Type	projectconcernypeiidref	project_concern_type_iid_ref	Integer	Int	yes						yes	
4	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	yes						yes	
5	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
6	Rec ID	projectconcerniid	project_concern_iid	Integer	Int	yes						yes	

Project concern need data.

NASIS 7.4.2 Tables and Columns

Table Physical Name: projectconcernertype

Table Label: Project Concern Type

Table Logical Name: project_concern_type

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Project Concern Type Name	projectconcerntypename	project_concern_type_name	String	Varchar	yes	60					yes	
2	Project Concern Description	projectconcerntypedesc	project_concern_type_desc	Narrative Text	Varchar	no	475					yes	
3	Notes	notes	notes	Narrative Text	Varchar(max)	no						yes	
4	Obsolete?	obterm	obsolete_term	Boolean	Bit	yes						yes	
5	Project Concern Type NASIS Site	projectconcerntypedbiidref	project_concern_type_db_iid_ref	Integer	Int	yes						yes	
6	NASIS Group	grpiidref	group_iid_ref	Integer	Int	yes						yes	
7	Object Last Updated	objwupdated	object_when_last_updated	Date/Time	Datetime	no						yes	
8	Object Last Updated By	objuseridref	object_user_iid_ref	Integer	Int	no						yes	
9	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
10	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
11	Rec ID	projectconcerntypeiid	project_concern_type_iid	Integer	Int	yes						yes	

Project concern type data.

NASIS 7.4.2 Tables and Columns

Table Physical Name: projectcorrelation

Table Label: Project Correlation

Table Logical Name: project_correlation

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	projectiidref	project_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Date	recdate	record_date	Date/Time	Datetime	yes						yes	
4	Author	recauthor	record_author	String	Varchar	no	25					yes	
5	Correlation Type	corrtype	correlation_type	Choice	Smallint	yes						yes	correlation_type
6	Amendment Number	corramendnum	corr_amend_number	Integer	Int	no			1			yes	
7	Correlation Document	corrdoc	correlation_document	Narrative Text	Varchar(max)	yes						yes	
8	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
9	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
10	Rec ID	projectcorrelationiid	project_correlation_iid	Integer	Int	yes						yes	

The Legend Correlation table contains the narrative Final Correlation documents and respective Correlation Amendments.

NASIS 7.4.2 Tables and Columns

Table Physical Name: projectdataneed

Table Label: Project Data Need

Table Logical Name: project_data_need

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	projectiidref	project_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Project Data Type	projectdatatypeiidref	project_data_type_iid_ref	Integer	Int	yes						yes	
4	Project Imagery Scale	projectimageryscale	project_imagery_scale	Integer	Int	no						yes	
5	Date Needed	dateneeded	date_needed	Date/Time	Datetime	no						yes	
6	Date Ordered	dateordered	date_ordered	Date/Time	Datetime	no						yes	
7	Date Received	datereceived	date_received	Date/Time	Datetime	no						yes	
8	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
9	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
10	Rec ID	projectdataneediid	project_data_need_iid	Integer	Int	yes						yes	

This table provides for listing various data layers and products that are needed to complete a particular project.

NASIS 7.4.2 Tables and Columns

Table Physical Name: projectdatatype

Table Label: Project Data Type

Table Logical Name: project_data_type

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Project Data Type Name	projectdatatypename	project_data_type_name	String	Varchar	yes	60					yes	
2	Project Data Type Description	projectdatatypedesc	project_data_type_description	Narrative Text	Varchar	no	475					yes	
3	Notes	notes	notes	Narrative Text	Varchar(max)	no						yes	
4	Obsolete?	obterm	obsolete_term	Boolean	Bit	yes						yes	
5	Project Data Type NASIS Site	projectdatatypedbiidref	project_data_type_db_iid_ref	Integer	Int	yes						yes	
6	NASIS Group	grpiidref	group_iid_ref	Integer	Int	yes						yes	
7	Object Last Updated	objwupdated	object_when_last_updated	Date/Time	Datetime	no						yes	
8	Object Last Updated By	objuseridref	object_user_iid_ref	Integer	Int	no						yes	
9	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
10	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
11	Rec ID	projectdatatypeiid	project_data_type_iid	Integer	Int	yes						yes	

This table provides a listing of data layers and imagery products that might be needed to complete a soil survey project. Items listed serve as a lookup list for the Project Data Needs table.

NASIS 7.4.2 Tables and Columns

Table Physical Name: projectecologicalsite

Table Label: Project Ecological Site

Table Logical Name: project_ecological_site

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	projectiidref	project_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Ecological Site	ecositeiidref	ecological_site_iid_ref	Integer	Int	yes						yes	
4	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
5	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
6	Rec ID	projectecologicalsiteid	project_ecological_site_iid	Integer	Int	yes						yes	

This table records a linkage to the Ecological Site(s) that are associated with a particular Project.

NASIS 7.4.2 Tables and Columns

Table Physical Name: projectfieldreview

Table Label: Project Field Review

Table Logical Name: project_field_review

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	projectiidref	project_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Date	recdate	record_date	Date/Time	Datetime	yes						yes	
4	Author	recauthor	record_author	String	Varchar	no	25					yes	
5	Correlation Event	corevent	correlation_event	Choice	Smallint	yes						yes	correlation_event
6	Review Document	reviewdoc	review_document	Narrative Text	Varchar(max)	yes						yes	
7	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
8	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
9	Rec ID	projectfieldreviewiid	project_field_review_iid	Integer	Int	yes						yes	

The Project Field Review table contains the narrative document associated with a particular field review or visit.

NASIS 7.4.2 Tables and Columns

Table Physical Name: projectlandcatbreakdown

Table Label: Project Land Category Breakdown

Table Logical Name: project_land_cat_breakdown

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	projectiidref	project_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Land Category	projectlandcategory	project_land_category	Choice	Smallint	yes						yes	legend_land_category
4	Land Category Acres	projectlandcategoryacres	project_land_category_acres	Integer	Int	yes			0			yes	
5	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
6	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
7	Rec ID	projectlandcatbrkdniid	project_land_cat_brkdn_iid	Integer	Int	yes						yes	

This table records the land ownership breakdown of a project, in acres, by a standard set of land ownership categories.

NASIS 7.4.2 Tables and Columns

Table Physical Name: projectmappinggoal

Table Label: Project Mapping Goal

Table Logical Name: project_mapping_goal

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	projectiidref	project_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Fiscal Year	fiscalyear	fiscal_year	Integer	Smallint	yes			1890	2100		yes	
4	Project Staff Member	projectstaffiidref	project_staff_iid_ref	Integer	Int	no						yes	
5	Initial NRCS Acres Goal	initnracsacresg	initial_nrcs_acres_goal	Integer	Int	no			0		acres	yes	
6	Initial Cooperator Acres Goal	initcoopacresg	initial_cooperator_acres_goal	Integer	Int	no			0		acres	yes	
7	Update NRCS Acres Goal	updnracsacresg	update_nrcs_acres_goal	Integer	Int	no			0		acres	yes	
8	Update Cooperator Acres Goal	updtcoopacresg	update_cooperator_acres_goal	Integer	Int	no			0		acres	yes	
9	Record When Last Updated	recwlastupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
10	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
11	Rec ID	projectmappinggoalid	project_mapping_goal_iid	Integer	Int	yes						yes	

This table records mapping goals for the project on a fiscal year basis. Goals for initial mapping are recorded separately from goals for update mapping. A mapping goal may be assigned to an individual member of the project staff, but such an assignment is optional.

NASIS 7.4.2 Tables and Columns

Table Physical Name: projectmappingprogress

Table Label: Project Mapping Progress

Table Logical Name: project_mapping_progress

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	projectlandcatbrkdniidref	project_land_cat_brkdn_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Progress Reporting Date	progrptdate	progress_reporting_date	Date/Time	Datetime	yes						yes	
4	Initial NRCS Acres	initnracs	initial_nracs_acres	Integer	Int	no			0		acres	yes	
5	Initial Cooperator Acres	initcoopacres	initial_cooperator_acres	Integer	Int	no			0		acres	yes	
6	Update NRCS Acres	updnracs	update_nracs_acres	Integer	Int	no			0		acres	yes	
7	Update Cooperator Acres	updncoopacres	update_cooperator_acres	Integer	Int	no			0		acres	yes	
8	Project Staff Member	projectstaffiidref	project_staff_iid_ref	Integer	Int	no						yes	
9	Project	projectiidref	project_iid_ref	Integer	Int	yes						no	
10	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
11	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
12	Rec ID	projectmappingprogressiid	project_mapping_progress_iid	Integer	Int	yes						yes	

This table records the mapping progress in a project throughout the life of a project. Each progress entry shows additional acres that have been mapped since progress was last reported. Cumulative mapping is not shown in this table, instead it is calculated in a report. Mapping progress for initial acres mapped mapping is recorded separately from update acres mapped. Mapping progress may be assigned to an individual member of the project staff, but such an assignment is optional.

NASIS 7.4.2 Tables and Columns

Table Physical Name: projectmapunit

Table Label: Project Mapunit

Table Logical Name: project_mapunit

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	projectiidref	project_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Mapunit	muiidref	mapunit_iid_ref	Integer	Int	yes						yes	
4	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
5	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
6	Rec ID	projectmapunitiid	project_mapunit_iid	Integer	Int	yes						yes	

This table provides a linkage between a project and the map units (in the Mapunit table) that are a part of that project. The list of map units may come from multiple legends.

NASIS 7.4.2 Tables and Columns

Table Physical Name: projectmilestone

Table Label: Project Milestone

Table Logical Name: project_milestone

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	projectiidref	project_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Milestone Type	milestonetypeiidref	milestone_type_iid_ref	Integer	Int	yes						yes	
4	Milestone Description	milestonedesc	milestone_description	String	Varchar	no	240					yes	
5	Scheduled Start Date	scheduledstartdate	scheduled_start_date	Date/Time	Datetime	no						yes	
6	Scheduled Completion Date	scheduledcompletiondate	scheduled_completion_date	Date/Time	Datetime	no						yes	
7	Milestone Date Started	milestonedatestarted	milestone_date_started	Date/Time	Datetime	no						yes	
8	Milestone Date Completed	milestonedatecompleted	milestone_date_completed	Date/Time	Datetime	no						yes	
9	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
10	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
11	Rec ID	projectmilestoneiid	project_milestone_iid	Integer	Int	yes						yes	

This table is used to identify milestones that have been identified for the associated project in the Project table. Progress towards completion of each milestone can be entered in the Milestone Progress table.

NASIS 7.4.2 Tables and Columns

Table Physical Name: projectmilestoneprogress

Table Label: Project Milestone Progress

Table Logical Name: project_milestone_progress

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	projectmilestoneiidref	project_milestone_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Fiscal Year	fiscalyear	fiscal_year	Integer	Smallint	yes			1890	2100		yes	
4	Milestone Progress Amount	milestoneprogressamount	milestone_progress_amount	Integer	Int	yes						yes	
5	Milestone Progress Unit	milestoneprogressunit	milestone_progress_unit	Choice	Smallint	yes						yes	milestone_progress_unit
6	Project Staff Member	projectstaffiidref	project_staff_iid_ref	Integer	Int	no						yes	
7	Project	projectiidref	project_iid_ref	Integer	Int	yes						no	
8	Record When Last Updated	recwlastupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
9	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
10	Rec ID	projectmilestoneprogressiid	project_milestone_progress_iid	Integer	Int	yes						yes	

This table is used to identify progress made towards completion of each milestone that has been identified in the Milestone table.

NASIS 7.4.2 Tables and Columns

Table Physical Name: projectproduct

Table Label: Project Product

Table Logical Name: project_product

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	projectiidref	project_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Product Type	prodtype	product_type	Choice	Smallint	yes						yes	product_type
4	Product Description	proddesc	product_description	String	Varchar	no	254					yes	
5	Scheduled Delivery	prodsch	product_scheduled	Date/Time	Datetime	no						yes	
6	Product Text Formatted	ptextform	product_text_formatted	Date/Time	Datetime	no						yes	
7	Product Text Proofed	ptextproof	product_text_proofed	Date/Time	Datetime	no						yes	
8	Product Text Completed	ptextcomplete	product_text_completed	Date/Time	Datetime	no						yes	
9	Product Text Submitted	ptextsubmit	product_text_submitted	Date/Time	Datetime	no						yes	
10	Actual Delivery	proddel	product_delivered	Date/Time	Datetime	no						yes	
11	Availability Status	prodastat	product_availability_status	Boolean	Bit	yes						yes	
12	Record When Last Updated	recwlastupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
13	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
14	Rec ID	projectproductiid	project_product_iid	Integer	Int	yes						yes	

This table records all types of final products that are produced for a particular soil survey. Text formatting and editing progress may be tracked independently for each product. Each entry can identify the projected availability of a product, the actual delivery date of a product, and whether a particular product is still available.

NASIS 7.4.2 Tables and Columns

Table Physical Name: projectstaff

Table Label: Project Staff

Table Logical Name: project_staff

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	projectiidref	project_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Project Staff Member	projectstaffuseridref	project_staff_user_iid_ref	Integer	Int	yes						yes	
4	Project Leader	projectleaderflag	project_leader_flag	Boolean	Bit	yes						yes	
5	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
6	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
7	Rec ID	projectstaffiid	project_staff_iid	Integer	Int	yes						yes	

This table records the staff members associated with a particular project.

NASIS 7.4.2 Tables and Columns

Table Physical Name: projectsubtype

Table Label: Project Subtype

Table Logical Name: project_subtype

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Project Subtype Name	projectsubtypename	project_subtype_name	String	Varchar	yes	120					yes	
2	Description	projectsubtypedesc	project_subtype_description	Narrative Text	Varchar	no	475					yes	
3	Notes	notes	notes	Narrative Text	Varchar(max)	no						yes	
4	Obsolete?	obterm	obsolete_term	Boolean	Bit	yes						yes	
5	Project Subtype NASIS Site	projectsubtypedbiidref	project_subtype_db_iid_ref	Integer	Int	yes						yes	
6	NASIS Group	grpriidref	group_iid_ref	Integer	Int	yes						yes	
7	Object Last Updated	objwupdated	object_when_last_updated	Date/Time	Datetime	no						yes	
8	Object Last Updated By	objuseridref	object_user_iid_ref	Integer	Int	no						yes	
9	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
10	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
11	Rec ID	projectsubtypeiid	project_subtype_iid	Integer	Int	yes						yes	

Added as a lookup table for NHQ management requirements to aid in managing different subtypes of projects.

NASIS 7.4.2 Tables and Columns

Table Physical Name: projecttext

Table Label: Project Text

Table Logical Name: project_text

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	projectiidref	project_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Date	recdate	record_date	Date/Time	Datetime	yes						yes	
4	Author	recauthor	record_author	String	Varchar	no	25					yes	
5	Kind	projecttextkind	project_text_kind	Choice	Smallint	yes						yes	project_text_kind
6	Category	textcat	text_category	String	Varchar	no	20					yes	
7	Subcategory	textsubcat	text_subcategory	String	Varchar	no	20					yes	
8	Text Entry	textentry	text_entry	Narrative Text	Varchar(max)	no						yes	
9	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
10	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
11	Rec ID	projecttextiid	project_text_iid	Integer	Int	yes						yes	

The Project Text table contains notes and narrative descriptions for the corresponding project. Project text is optional.

NASIS 7.4.2 Tables and Columns

Table Physical Name: projecttype

Table Label: Project Type

Table Logical Name: project_type

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Project Type Name	projecttypename	project_type_name	String	Varchar	yes	60					yes	
2	Description	projecttypedesc	project_type_description	Narrative Text	Varchar	no	475					yes	
3	Notes	notes	notes	Narrative Text	Varchar(max)	no						yes	
4	Obsolete?	obterm	obsolete_term	Boolean	Bit	yes						yes	
5	Project Type NASIS Site	projecttypedbiidref	project_type_db_iid_ref	Integer	Int	yes						yes	
6	NASIS Group	grpiidref	group_iid_ref	Integer	Int	yes						yes	
7	Object Last Updated	objwupdated	object_when_last_updated	Date/Time	Datetime	no						yes	
8	Object Last Updated By	objuseridref	object_user_iid_ref	Integer	Int	no						yes	
9	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
10	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
11	Rec ID	projecttypeiid	project_type_iid	Integer	Int	yes						yes	

Added as a lookup table for NHQ management requirements to aid in managing different types of projects.

NASIS 7.4.2 Tables and Columns

Table Physical Name: projerefecmdoc

Table Label: Project Reference ECM Documents

Table Logical Name: project_ref_ecm_doc

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	projectiidref	project_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	ECM Document Type	ecmdoctype	ecm_document_type	Choice	Smallint	no						no	document_kind
4	ECM Document Name	ecmdocname	ecm_document_name	String	Varchar	no	255					no	
5	ECM Document URL	ecmdockeyurl	ecm_document_key_url	Hyperlink	Varchar	no	138					no	
6	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
7	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						no	
8	Rec ID	projectrefecmdociid	project_ref_ecm_doc_iid	Integer	Int	yes						no	

This table contains hyperlink(s) to document(s) stored in the Enterprise Content Management (ECM) system that are additional documentation of the project.. A separate row is entered for each document stored in the ECM. The kinds of documents that can be stored are: Audio, images, diagrams, PDF, powerpoint presentations, spreadsheets, text (plain text or other word processing program), and video.

NASIS 7.4.2 Tables and Columns

Table Physical Name: property

Table Label: Property

Table Logical Name: property

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
2	Property Name	propname	property_name	String	Varchar	yes	60					yes	
3	Description	propdesc	property_description	Narrative Text	Varchar(max)	no						yes	
4	Data Type	propdatatype	property_data_type	Choice	Smallint	yes						yes	property_data_type
5	Property	prop	property	Property	Varchar(max)	yes						yes	
6	Modality	propmod	property_modality	Choice	Smallint	yes						yes	property_modality
7	Units	propuom	property_unit_of_measure	String	Varchar	no	30					yes	
8	Minimum	propmin	property_minimum	Float	Float	no		4				yes	
9	Maximum	propmax	property_maximum	Float	Float	no		4				yes	
10	Default Value	propdefval	property_default_value	String	Varchar	no	254					yes	
11	Ready to use	dataafuse	data_approved_for_use	Boolean	Bit	yes						yes	
12	Property NASIS Site	propdbiidref	property_database_iid_ref	Integer	Int	yes						yes	
13	NASIS Group	grpriidref	group_iid_ref	Integer	Int	yes						yes	
14	Object Last Updated	objwupdated	object_when_last_updated	Date/Time	Datetime	no						yes	
15	Object Last Updated By	objuseriidref	object_user_iid_ref	Integer	Int	no						yes	
16	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
17	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
18	Rec ID	propiid	property_iid	Integer	Int	yes						yes	

The Property table lists the properties and the owner of each property. Properties are part of the criteria used in making interpretations of soil survey data. Properties are SQL-like statements that acquire soil data from the database for use in evaluations.

NASIS 7.4.2 Tables and Columns

Table Physical Name: propertytext

Table Label: Property Text

Table Logical Name: property_text

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	propiidref	property_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Date	recdate	record_date	Date/Time	Datetime	no						yes	
4	Author	recauthor	record_author	String	Varchar	no	25					yes	
5	Kind	textkind	text_kind	Choice	Smallint	no						yes	text_kind_general
6	Category	textcat	text_category	String	Varchar	no	20					yes	
7	Subcategory	textsubcat	text_subcategory	String	Varchar	no	20					yes	
8	Text Entry	textentry	text_entry	Narrative Text	Varchar(max)	no						yes	
9	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
10	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
11	Rec ID	proptextiid	property_text_iid	Integer	Int	yes						yes	

The Property Text table contains notes and narrative descriptions for each property script. Text included may be related to edits or changes made to the script. Property text is optional. In many cases, this table is empty.

NASIS 7.4.2 Tables and Columns

Table Physical Name: query

Table Label: Query

Table Logical Name: query

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
2	Query Name	qryname	query_name	String	Varchar	yes	60					yes	
3	Description	qrydesc	query_description	Narrative Text	Varchar(max)	no						yes	
4	Query	query	query	Query	Varchar(max)	yes						yes	
5	Ready to use	dataafuse	data_approved_for_use	Boolean	Bit	yes						yes	
6	Query NASIS Site	qrydbiidref	query_database_iid_ref	Integer	Int	yes						yes	
7	NASIS Group	grpriidref	group_iid_ref	Integer	Int	yes						yes	
8	Object Last Updated	objwupdated	object_when_last_updated	Date/Time	Datetime	no						yes	
9	Object Last Updated By	objuseriidref	object_user_iid_ref	Integer	Int	no						yes	
10	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
11	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
12	Rec ID	qryiid	query_iid	Integer	Int	yes						yes	

The Query table contains queries and the owner of each query. Queries are used to select data for viewing in NASIS tables. Users may create new queries at any time. Although queries are created and edited in this table, the Select Manager (accessed through the File menu) is used to actually run queries.

NASIS 7.4.2 Tables and Columns

Table Physical Name: queryfavorites

Table Label: Query Favorites

Table Logical Name: query_favorites

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	NASIS User	useridref	user_iid_ref	Integer	Int	yes						no	
2	Query	qryiidref	query_iid_ref	Integer	Int	yes						no	
3	Rec ID	queryfavoriteiid	query_favorite_iid	Integer	Int	yes						no	

A record in this table represents a favorite query for the corresponding NASIS user.

NASIS 7.4.2 Tables and Columns

Table Physical Name: querytext

Table Label: Query Text

Table Logical Name: query_text

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	qryiidref	query_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Date	recdate	record_date	Date/Time	Datetime	no						yes	
4	Author	recauthor	record_author	String	Varchar	no	25					yes	
5	Kind	textkind	text_kind	Choice	Smallint	no						yes	text_kind_general
6	Category	textcat	text_category	String	Varchar	no	20					yes	
7	Subcategory	textsubcat	text_subcategory	String	Varchar	no	20					yes	
8	Text Entry	textentry	text_entry	Narrative Text	Varchar(max)	no						yes	
9	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
10	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
11	Rec ID	qrytextiid	query_text_iid	Integer	Int	yes						yes	

The Query Text table contains notes and narrative descriptions for each query script. Text included may be related to edits or changes made to the script. Query text is optional. In many cases, this table is empty.

NASIS 7.4.2 Tables and Columns

Table Physical Name: relationshipmaster

Table Label: Relationship Master

Table Logical Name: relationship_master

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	indexiidref	index_iid_ref	Integer	Int	yes						no	
2	Dependency Index	depindexiidref	dependency_index_iid_ref	Integer	Int	yes						yes	
3	System	sysiidref	system_iid_ref	Integer	Int	yes						no	
4	Relationship Name	relationshipname	relationship_name	String	Varchar	yes	30					yes	
5	Fail on Delete	deletefail	delete_fail	Boolean	Bit	yes						yes	
6	Cardinality	cardinality	cardinality	Choice	Smallint	yes						yes	cardinality_nasis
7	Mandatory	mandatory	mandatory	Boolean	Bit	yes						yes	
8	In Hierarchy	inhierarchy	in_hierarchy	Boolean	Bit	yes						yes	
9	Favorite Child	favoritechild	favorite_child	Boolean	Bit	yes						yes	
10	Traverse	loadfindrelated	load_find_related	Boolean	Bit	yes						yes	
11	Allow Paste	paste	paste	Boolean	Bit	yes						yes	
12	Constraint Deferrable	constraintdeferrable	constraint_deferrable	Boolean	Bit	yes						yes	
13	Foreign Key Constraint Name	foreignkeyconstraintname	foreign_key_constraint_name	String	Varchar	no	128					yes	
14	Relationship ID	relationshipid	relationship_id	Integer	Int	no						yes	
15	Pending Action	pendact	pending_action	Choice	Smallint	no						yes	pending_action
16	Pending Status	pendstat	pending_status	Choice	Smallint	no						yes	pending_status
17	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
18	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
19	Relationship	relationshipiid	relationship_iid	Integer	Int	yes						yes	

Relationship master data

NASIS 7.4.2 Tables and Columns

Table Physical Name: relationshipmasterhist

Table Label: Relationship Master History

Table Logical Name: relationship_master_history

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	relationshipiidref	relationship_iid_ref	Integer	Int	yes						no	
2	Date	notedate	note_date	Date/Time	Datetime	no						yes	
3	Notes	notes	notes	Narrative Text	Varchar(max)	no						yes	
4	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
5	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
6	Rec ID	relationshipnoteiid	relationship_note_iid	Integer	Int	yes						yes	

This table records changes made to a particular Relationship Master.

NASIS 7.4.2 Tables and Columns

Table Physical Name: replicationparameter

Table Label: Replication Parameter

Table Logical Name: replication_parameter

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Database Last Refreshed Timestamp	dblastrefreshedtimestamp	db_last_refreshed_timestamp	Date/Time	Datetime	no						no	
2	Lock NASIS User	lockuseridref	lock_user_iid_ref	Integer	Int	no						no	

This single record table records assorted replication related parameters.

NASIS 7.4.2 Tables and Columns

Table Physical Name: report

Table Label: Report

Table Logical Name: report

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
2	Report Name	rptname	report_name	String	Varchar	yes	80					yes	
3	Description	rptdesc	report_description	Narrative Text	Varchar(max)	no						yes	
4	Report Format	rptfmt	report_format	Choice	Smallint	yes						yes	report_format
5	Report	report	report	Report	Varchar(max)	yes						yes	
6	Ready to use	dataafuse	data_approved_for_use	Boolean	Bit	yes						yes	
7	Report NASIS Site	rptdbiidref	report_database_iid_ref	Integer	Int	yes						yes	
8	NASIS Group	grpriidref	group_iid_ref	Integer	Int	yes						yes	
9	Object Last Updated	objwupdated	object_when_last_updated	Date/Time	Datetime	no						yes	
10	Object Last Updated By	objuseriidref	object_user_iid_ref	Integer	Int	no						yes	
11	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
12	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
13	Rec ID	rptiid	report_iid	Integer	Int	yes						yes	

The Report table contains reports and the owner of each report. Reports are used to print data from the selected set being viewed in the NASIS tables. Users may create new reports at any time. Although reports are created and edited in this table, the Report Manager (accessed through the Options menu) is used to actually run reports.

NASIS 7.4.2 Tables and Columns

Table Physical Name: reportcolumn

Table Label: Report Column

Table Logical Name: report_column

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Report	rptiidref	report_iid_ref	Integer	Int	yes						no	
2	Table Physical Name	tabphynm	table_physical_name	String	Varchar	yes	33					no	
3	Column Physical Name	colphynm	column_physical_name	String	Varchar	yes	33					no	
4	Rec ID	reportcolumniid	report_column_iid	Integer	Int	yes						no	

A record in this table corresponds to a column in the NASIS database that is referenced in a Select statement of the corresponding CVIR report script. The column in question may not actually be displayed in the report.

NASIS 7.4.2 Tables and Columns

Table Physical Name: reportfavorites

Table Label: Report Favorites

Table Logical Name: report_favorites

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	NASIS User	useridref	user_iid_ref	Integer	Int	yes						no	
2	Report	rptiidref	report_iid_ref	Integer	Int	yes						no	
3	Rec ID	reportfavoriteiid	report_favorite_iid	Integer	Int	yes						no	

A record in this table represents a favorite report for the corresponding NASIS user.

NASIS 7.4.2 Tables and Columns

Table Physical Name: reporttext

Table Label: Report Text

Table Logical Name: report_text

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	rptiidref	report_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Date	recdate	record_date	Date/Time	Datetime	no						yes	
4	Author	recauthor	record_author	String	Varchar	no	25					yes	
5	Kind	textkind	text_kind	Choice	Smallint	no						yes	text_kind_general
6	Category	textcat	text_category	String	Varchar	no	20					yes	
7	Subcategory	textsubcat	text_subcategory	String	Varchar	no	20					yes	
8	Text Entry	textentry	text_entry	Narrative Text	Varchar(max)	no						yes	
9	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
10	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
11	Rec ID	rptextiid	report_text_iid	Integer	Int	yes						yes	

The Report Text table contains notes and narrative descriptions for each report script. Text included may be related to edits or changes made to the script. Report text is optional. In many cases, this table is empty.

NASIS 7.4.2 Tables and Columns

Table Physical Name: rule

Table Label: Rule

Table Logical Name: rule

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
2	Rule Name	rulename	rule_name	String	Varchar	yes	60					yes	
3	Description	ruledesc	rule_description	Narrative Text	Varchar(max)	no						yes	
4	Rule	rule	rule	Rule	Varchar(max)	yes						yes	
5	Primary Interpretation	primaryinterp	primary_interpretation	Boolean	Bit	yes						yes	
6	Rule Design	ruledesign	rule_design	Choice	Smallint	yes						yes	rule_design
7	Not Rated Phrase	notratedphrase	not_rated_phrase	String	Varchar	yes	254					yes	
8	Ready to use	dataafuse	data_approved_for_use	Boolean	Bit	yes						yes	
9	Rule NASIS Site	ruledbiidref	rule_database_iid_ref	Integer	Int	yes						yes	
10	NASIS Group	grpbiidref	group_iid_ref	Integer	Int	yes						yes	
11	Object Last Updated	objwupdated	object_when_last_updated	Date/Time	Datetime	no						yes	
12	Object Last Updated By	objuseridref	object_user_iid_ref	Integer	Int	no						yes	
13	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
14	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
15	Rec ID	ruleiid	rule_iid	Integer	Int	yes						yes	

The rule table lists the rules and the owner of each rule. Rules are part of the criteria used in making interpretations of soil survey data. Rules use one or more evaluations and (optionally) other rules to form an interpretive statement.

NASIS 7.4.2 Tables and Columns

Table Physical Name: ruleevalcomp

Table Label: Rule Evaluation Component

Table Logical Name: rule_evaluation_component

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Rule	ruleiidref	rule_iid_ref	Integer	Int	yes						no	
2	Evaluation	evaliidref	evaluation_iid_ref	Integer	Int	yes						no	
3	Rec ID	ruleeciid	rule_evaluation_component_iid	Integer	Int	yes						no	

The Rule Evaluation Component table lists the evaluations included in the rule shown above in the Rule table. This table is normally not visible.

NASIS 7.4.2 Tables and Columns

Table Physical Name: ruleratingclass

Table Label: Rule Rating Class

Table Logical Name: rule_rating_class

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	ruleiidref	rule_iid_ref	Integer	Int	yes						no	
2	Rating Class Name	ratingclassname	rating_class_name	String	Varchar	yes	254					yes	
3	Rating Class Upper Boundary	ratingclassupperboundary	rating_class_upper_boundary	Float	Float	yes		3				yes	
4	Record When Last Updated	recwlastupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
5	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
6	Rec ID	ruleratingclassiid	rule_rating_class_iid	Integer	Int	yes						yes	

A record in this table corresponds to a rating class for the corresponding fuzzy logic soil interpretation.

NASIS 7.4.2 Tables and Columns

Table Physical Name: rulerulecomp

Table Label: Rule Rule Component

Table Logical Name: rule_rule_component

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Rule	ruleiidref	rule_iid_ref	Integer	Int	yes						no	
2	Subrule	ruleiidref2	rule_iid_ref_2	Integer	Int	yes						no	
3	Rec ID	rulerciid	rule_rule_component_iid	Integer	Int	yes						no	

The Rule Rule Component table lists the rules included in the rule shown above in the Rule table. This table is normally not visible.

NASIS 7.4.2 Tables and Columns

Table Physical Name: ruletext

Table Label: Rule Text

Table Logical Name: rule_text

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	ruleiidref	rule_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Date	recdate	record_date	Date/Time	Datetime	no						yes	
4	Author	recauthor	record_author	String	Varchar	no	25					yes	
5	Kind	textkind	text_kind	Choice	Smallint	no						yes	text_kind_general
6	Category	textcat	text_category	String	Varchar	no	20					yes	
7	Subcategory	textsubcat	text_subcategory	String	Varchar	no	20					yes	
8	Text Entry	textentry	text_entry	Narrative Text	Varchar(max)	no						yes	
9	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
10	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
11	Rec ID	ruletextiid	rule_text_iid	Integer	Int	yes						yes	

The Rule Text table contains notes and narrative descriptions for each rule script. Text included may be related to edits or changes made to the script. Rule text is optional. In many cases, this table is empty.

NASIS 7.4.2 Tables and Columns

Table Physical Name: shlabsample

Table Label: Soil Health Laboratory Sample

Table Logical Name: sh_laboratory_sample

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	soilhealthidref	soil_health_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	DSP Project ID	uprojectid	user_project_id	String	Varchar	yes	60					no	
4	Date Sampled	obsdate	observation_date	Date/Time	Datetime	yes						no	
5	State FIPS	stateareaidref	state_area_iid_ref	Integer	Int	no						no	
6	State	stateareatypeiidref	state_area_type_iid_ref	Integer	Int	no						no	
7	County Name	countyareaidref	county_area_iid_ref	Integer	Int	no						no	
8	County	countyareatypeiidref	county_area_type_iid_ref	Integer	Int	no						no	
9	DSP Plot ID	dspplotid	dsp_plot_id	String	Varchar	yes	10					no	
10	Principle Investigator	shprojectstaffmember	sh_project_staff_member	String	Varchar	no	30					no	
11	Primary Contact	primarycontact	primary_contact	String	Varchar	no	30					no	
12	Lab Source ID	labsourceid	laboratory_source_id	String	Varchar	yes	7					no	
13	Lab Sample Number	labsampnum	laboratory_sample_number	String	Varchar	no	10					no	
14	Layer Depth to Top	layerdepthtop	layer_depth_to_top	Integer	Smallint	yes			0	9999		no	
15	Layer Depth to Bottom	layerdepthbottom	layer_depth_to_bottom	Integer	Smallint	yes			0	9999		no	
16	KSSL Horizon Label	ksslhorizonlabel	ksslhorizon_label	String	Varchar	no	15					no	
17	DSP Horizon ID	dsphorizonid	dsp_horizon_id	String	Varchar	no	15					no	
18	Horizon Name	hzname	horizon_designation	String	Varchar	no	25					no	
19	Field Sample ID	fldsampid	field_sample_id	String	Varchar	no	20					no	
20	Number of Bulk Sample Bags	numberofbulksampbags	number_of_bulk_sample_bags	Integer	Smallint	no			0			no	
21	Number of Bulk Density Clods	numberofbulkdensityclods	number_of_bulk_density_clods	Integer	Smallint	no			0			no	
22	Number of Natural Fabric Clods	numberofnaturalfabricclods	number_of_natural_fabric_clods	Integer	Smallint	no			0			no	
23	Number of Other samples	numberofothersamples	number_of_other_samples	Integer	Smallint	no			0			no	
24	Weight of 20 to 76 mm Discarded Fragments	wt20to76mmdiscardedfragments	wt_20_to_76_mm_discarded_frags	Float	Float	no		2	0.01	999	kg	no	
25	Weight Less Than 20 mm	wtlt20mm	weight_less_than_20_mm	Float	Float	no		2	0.01	999	kg	no	
26	Record When Last Updated	recwlastupdated	record_when_last_updated	Date/Time	Datetime	no						no	
27	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						no	
28	Rec ID	labsampleiid	sh_laboratory_sample_iid	Integer	Int	yes						no	

This table contains all the information necessary when shipping soil samples to a lab.

NASIS 7.4.2 Tables and Columns

Table Physical Name: shprojectstaff

Table Label: Soil Health Project Staff

Table Logical Name: sh_project_staff

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	soilhealthiidref	soil_health_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	DSP Staff Member	shprojectstaffmember	sh_project_staff_member	String	Varchar	no	30					no	
4	Principle Investigator Flag	shprincipleinvestigatorflag	sh_principle_investigator_flag	Boolean	Bit	yes						no	
5	Principle Investigator Institution	shpiinstitution	sh_pi_institution	String	Varchar	no	60					no	
6	Record When Last Updated	recwlastupdated	record_when_last_updated	Date/Time	Datetime	no						no	
7	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						no	
8	Rec ID	shprojectstaffiid	sh_project_staff_iid	Integer	Int	yes						no	

Select a NASIS User to populate the staff member's name.

NASIS 7.4.2 Tables and Columns

Table Physical Name: site

Table Label: Site

Table Logical Name: site

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	User Site ID	usteid	user_site_id	String	Varchar	yes	60					yes	
2	WGS84 Latitude DD	latstddecimaldegrees	latitude_std_decimal_degrees	Float	Decimal	no	9	7	-90	90	degrees	yes	
3	WGS84 Longitude DD	longstddecimaldegrees	longitude_std_decimal_degrees	Float	Decimal	no	10	7	-180	180	degrees	yes	
4	Coordinate Source	geocoordsource	geographic_coord_source	Choice	Smallint	no						yes	geographic_coord_source
5	GPS Positional Error	gpspositionalerror	gps_positional_error	Float	Real	no		2	0	999.99	meters	yes	
6	GPS PDOP	gpspdop	gps_pdop	Integer	Int	no			0	50		yes	
7	Location Description	locdesc	location_description	Narrative Text	Varchar(max)	no						yes	
8	PLSS Section Details	plsssdetails	plss_section_details	String	Varchar	no	254					yes	
9	PLSS Section	plsssection	plss_section	Integer	Smallint	no			1	200		yes	
10	PLSS Township	plss township	plss_township	String	Char	no	10					yes	
11	PLSS Range	plssrange	plss_range	String	Char	no	10					yes	
12	PLSS Meridian	plssmeridian	plss_meridian	Choice	Smallint	no						yes	plss_meridian
13	State	stateareaiidref	state_area_iid_ref	Integer	Int	no						yes	
14	State Area Type	stateareatypeiidref	state_area_type_iid_ref	Integer	Int	yes						no	
15	County	countyareaiidref	county_area_iid_ref	Integer	Int	no						yes	
16	County Area Type ID	countyareatypeiidref	county_area_type_iid_ref	Integer	Int	yes						no	
17	MLRA	mlraareaiidref	mlra_area_iid_ref	Integer	Int	no						yes	
18	MLRA Area Type	mlraareatypeiidref	mlra_area_type_iid_ref	Integer	Int	yes						no	
19	Veg Plot Size	vegplotsize	vegetation_plot_size	Integer	Int	no			1		m2	yes	
20	Elevation	elev	elevation	Float	Real	no		1	-300	8550	meters	yes	
21	Corrected Elevation	elevcorrected	elevation_corrected	Float	Real	no		1	-300	8550	meters	yes	
22	Geomorphic Component Hills	geomposhill	geomorphic_position_hills	Choice	Smallint	no						yes	geomor_pos_hill
23	Geomorphic Component Mountains	geomposmntn	geomorphic_position_mountains	Choice	Smallint	no						yes	geomor_pos_mountain
24	Geomorphic Component Terraces	geompostree	geomorphic_position_terraces	Choice	Smallint	no						yes	geomor_pos_terrace
25	Geomorphic Component Flats	geomposflats	geomorphic_position_flats	Choice	Smallint	no						yes	geomor_pos_flat
26	Hillslope Profile	hillslopeprof	hillslope_profile	Choice	Smallint	no						yes	hillslope_profile
27	Slope Position	geomslopeseg	geomorph_slope_segment	Choice	Smallint	no						yes	slope_segment
28	Slope Gradient	slope	slope_gradient	Float	Real	no		1	0	999	percent	yes	
29	Aspect	aspect	slope_aspect	Integer	Smallint	no			0	360	degrees	yes	
30	Slope Length USLE	slopelenusle	slope_length_usle	Integer	Smallint	no			0	4000	meters	yes	
31	Upslope Length	slopelenuptro	slope_length_point_runoff	Float	Real	no		1	0	99999	meters	yes	
32	Slope Shape Across	shapeacross	shape_across	Choice	Smallint	no						yes	slope_shape
33	Slope Shape Up Down	shapedown	shape_down	Choice	Smallint	no						yes	slope_shape
34	Slope Complexity	slopecomplex	slope_complexity	Choice	Smallint	no						yes	slope_complexity
35	Local Physiographic Name	locphysnm	local_physiographic_name	String	Varchar	no	50					yes	
36	Drainage Class	drainagecl	drainage_class	Choice	Smallint	no						yes	drainage_class
37	Ksat Class Upper	siteksatclassupper	site_ksat_class_upper	Choice	Smallint	no						yes	sat_hyd_conductivity_class
38	Ksat Class Lower	siteksatclasslower	site_ksat_class_lower	Choice	Smallint	no						yes	sat_hyd_conductivity_class
39	Local Runoff Class	runoff	runoff	Choice	Smallint	no						yes	runoff
40	Drainage Pattern	drainagepattern	drainage_pattern	Choice	Smallint	no						yes	drainage_pattern
41	Parent Material Group Name	pmgroupname	parent_material_group_name	String	Varchar	no	252					yes	
42	Climate Station ID	climstaid	climate_station_id	String	Varchar	no	8					yes	
43	Climate Station Name	climstanm	climate_station_name	String	Varchar	no	50					yes	
44	Climate Station Type	climstatype	climate_station_type	String	Varchar	no	50					yes	

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
45	Frost Free Days	ffd	mean_annual_frost_free_days	Integer	Smallint	no			0	365	days	yes	
46	MAP	map	mean_annual_precipitation	Integer	Smallint	no			0	11500	mm	yes	
47	REAP	reannualprecip	rel_effective_annual_precip	Integer	Smallint	no			0	11500	mm	yes	
48	MAAT	airtempa	mean_annual_air_temperature	Float	Real	no	1	-50	50		degrees c	yes	
49	MAST	soiltempa	mean_annual_soil_temperature	Float	Real	no	1	-40	50		degrees c	yes	
50	MSAT	airtemps	mean_summer_air_temperature	Float	Real	no	1	-50	50		degrees c	yes	
51	MSST	soiltemps	mean_summer_soil_temperature	Float	Real	no	1	-40	50		degrees c	yes	
52	MWAT	airtempw	mean_winter_air_temperature	Float	Real	no	1	-50	50		degrees c	yes	
53	MWST	soiltempw	mean_winter_soil_temperature	Float	Real	no	1	-40	50		degrees c	yes	
54	Flooding Frequency Class	floodfreqcl	flooding_frequency_class	Choice	Smallint	no						yes	flooding_frequency_class
55	Flooding Duration Class	flooddurcl	flooding_duration_class	Choice	Smallint	no						yes	flooding_duration_class
56	Flooding Month	floodmonthbeg	flooding_month_begin	Choice	Smallint	no						yes	flooding_ponding_month
57	Ponding Frequency	pondfreqcl	ponding_frequency_class	Choice	Smallint	no						yes	ponding_frequency_class
58	Ponding Duration	ponddurcl	ponding_duration_class	Choice	Smallint	no						yes	ponding_duration_class
59	Ponding Month	pondmonthbeg	ponding_month_begin	Choice	Smallint	no						yes	flooding_ponding_month
60	Wet Soil Moisture Duration	wtabledur	water_table_duration	Integer	Smallint	no			0	365	days	yes	
61	Cowardin Wetland System	cowardinwetlandsystem	cowardin_wetland_system	Choice	Smallint	no						yes	cowardin_wetland_system
62	Cowardin Wetland Subsystem	cowardinwetlandsubsystem	cowardin_wetland_subsystem	Choice	Smallint	no						yes	cowardin_wetland_subsystem
63	Cowardin Wetland Class	cowardinwetlandclass	cowardin_wetland_class	Choice	Smallint	no						yes	cowardin_wetland_class
64	Cowardin Wetland Subclass	cowardinwetlandsubclass	cowardin_wetland_subclass	Choice	Smallint	no						yes	cowardin_wetland_subclass
65	Cowardin Moisture Regime Modifier	cowardinmoistregimemodifier	cowardin_moist_regime_modifier	Choice	Smallint	no						yes	cowardin_moist_regime_modifier
66	HGM Class	hgmclass	hgm_class	Choice	Smallint	no						yes	hgm_class
67	HGM Subclass	hgmsubclass	hgm_subclass	String	Varchar	no	100					yes	
68	HGM Modifier	hgmmodifier	hgm_modifier	String	Varchar	no	100					yes	
69	Legacy Ecological Site ID	legacyecositeid	legacy_ecological_site_id	String	Varchar	no	10					yes	
70	Legacy Ecological Site Name	legacyecositename	legacy_ecological_site_name	String	Varchar	no	25					yes	
71	MFFP	meanfrostdfreeprecip	mean_frost_free_precipitation	Integer	Int	no			0	11500	mm	yes	
72	PE Index	peindex	pe_index	Integer	Int	no			1	400		yes	
73	Plot Estab Year	plotestablishedyear	plot_established_year	Integer	Int	no			1900	3000		yes	
74	Plot Nmbr	plotnum	plot_number	Integer	Int	no			1	999		yes	
75	Alternative ID	alternativeid	alternative_id	String	Varchar	no	100					yes	
76	RaCA Site ID	rcasiteid	rca_site_id	String	Varchar	no	10					yes	
77	RaCA Soil Group ID	rcasoilgroupid	rca_soil_group_id	String	Varchar	no	10					yes	
78	DSP Plot ID	dspplotid	dsp_plot_id	String	Varchar	no	10					yes	
79	DSP Site Type	dspsitetype	dsp_site_type	Choice	Smallint	no						yes	dsp_site_type
80	Plot Configuration	sampleplotconfiguration	sample_plot_configuration	Choice	Smallint	no						yes	sample_plot_configuraton
81	Plot Width	plotwidth	plot_width	Integer	Int	no			1	1000	meters	yes	
82	Plot Baseline Length	plotbaselinelength	plot_baseline_length	Integer	Int	no			1	1000	meters	yes	
83	Plot Baseline Azimuth	plotbaselineazimuth	plot_baseline_azimuth	Integer	Int	no			0	360	degrees	yes	
84	Plot Radius	plotradius	plot_radius	Integer	Int	no			1	1000	meters	yes	
85	Triangle Plot Side Length	plottrianglesidelength	plot_triangle_side_length	Integer	Int	no			1	100	meters	yes	
86	Chain Plot Max Width	plotchainmaxwidth	plot_chain_max_width	Integer	Int	no			1	1000	meters	yes	
87	Chain Plot Max Length	plotchainmaxlength	plot_chain_max_length	Integer	Int	no			1	1000	meters	yes	
88	Plot Offset Azimuth	plotoffsetazimuth	plot_offset_azimuth	Integer	Int	no			0	360	degrees	yes	
89	Plot Offset Distance	plotoffsetdistance	plot_offset_distance	Integer	Int	no			1	500	meters	yes	
90	Plot Set Up By	plotcreator	plot_creator	String	Varchar	no	100					yes	
91	Plot or Site Recorder	recorder	recorder	String	Varchar	no	60					yes	
92	Benchmark Soil?	benchmarksoilflag	benchmark_soil_flag	Boolean	Bit	yes						yes	
93	Latitude Degrees	latdegrees	latitude_degrees	Integer	Smallint	no			0	90	degrees	yes	
94	Latitude Minutes	latminutes	latitude_minutes	Integer	Smallint	no			0	60	minutes (lat/long)	yes	

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
95	Latitude Seconds	latseconds	latitude_seconds	Float	Real	no		2	0	60	seconds (lat/long)	yes	
96	Latitude Direction	latdir	latitude_direction	Choice	Smallint	no						yes	latitude_direction
97	Longitude Degrees	longdegrees	longitude_degrees	Integer	Smallint	no			0	180	degrees	yes	
98	Longitude Minutes	longminutes	longitude_minutes	Integer	Smallint	no			0	60	minutes (lat/long)	yes	
99	Longitude Seconds	longseconds	longitude_seconds	Float	Real	no		2	0	60	seconds (lat/long)	yes	
100	Longitude Direction	longdir	longitude_direction	Choice	Smallint	no						yes	longitude_direction
101	Datum Name	horizdatnm	horizontal_datum_name	Choice	Smallint	no						yes	horizontal_datum_name
102	UTM Zone	utmzone	utm_zone	Integer	Smallint	no			1	60		yes	
103	UTM Easting	utmeasting	utm_easting	Float	Float	no		2	0	1000000	meters	yes	
104	UTM Northing	utmnorthing	utm_northing	Float	Float	no		2	0	10000000	meters	yes	
105	Site NASIS Site	sdbiidref	site_database_iid_ref	Integer	Int	yes						yes	
106	NASIS Group	grpIIDref	group_iid_ref	Integer	Int	yes						yes	
107	Object Last Updated	objwIupdated	object_when_last_updated	Date/Time	Datetime	no						yes	
108	Object Last Updated By	objuseriidref	object_user_iid_ref	Integer	Int	no						yes	
109	Record When Last Updated	recwIupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
110	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
111	Rec ID	siteiid	site_iid	Integer	Int	yes						yes	

The Site table describes the locational information and characteristics of a particular geographic location. A site may be a specific location such as a point where a soil profile description is taken, or it may have some spatial area that is chosen to be treated as a single point. Various kinds of data such as soil profile descriptions, lab data, vegetative data, etc. may be linked to a site in this database.

NASIS 7.4.2 Tables and Columns

Table Physical Name: siteaoverlap

Table Label: Site Area Overlap

Table Logical Name: site_area_overlap

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	siteiidref	site_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Area	areaiidref	area_iid_ref	Integer	Int	yes						yes	
4	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
5	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
6	Rec ID	sareaoviid	site_area_overlap_iid	Integer	Int	yes						yes	

The Site Area Overlap table records the names and symbols of geographic areas that a particular site occurs in, i.e. state, county, MLRA, etc.

NASIS 7.4.2 Tables and Columns

Table Physical Name: siteassoc

Table Label: Site Association

Table Logical Name: site_association

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	User Site Association ID	usiteassocid	user_site_association_id	String	Varchar	yes	60					yes	
2	Site Association NASIS Site	sadbiiidref	site_assoc_database_iid_ref	Integer	Int	yes						yes	
3	NASIS Group	grpriidref	group_iid_ref	Integer	Int	yes						yes	
4	Object Last Updated	objwupdated	object_when_last_updated	Date/Time	Datetime	no						yes	
5	Object Last Updated By	objuseriidref	object_user_iid_ref	Integer	Int	no						yes	
6	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
7	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
8	Rec ID	siteassociid	site_assoc_iid	Integer	Int	yes						yes	

The Site Association table is used to record some natural or artificial grouping of sites. Various types of groupings may be recorded as needed by the user. Examples might include sites that are included in a special soil temperature or soil moisture study. Transects are now recorded in the "transect" table.

NASIS 7.4.2 Tables and Columns

Table Physical Name: siteassocsite

Table Label: Site Association Site

Table Logical Name: site_association_site

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	siteassocidref	site_assoc_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Associated Site	siteiidref	site_iid_ref	Integer	Int	yes						yes	
4	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
5	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
6	Rec ID	siteasiteiid	site_assoc_site_iid	Integer	Int	yes						yes	

This table records the identifier of a site that is a member of a particular site association. A site association may contain any number of sites, and a site may be a member of more than one site association.

NASIS 7.4.2 Tables and Columns

Table Physical Name: siteassocsoi

Table Label: Site Associated Soils

Table Logical Name: site_associated_soils

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	siteiidref	site_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Associated Soil	assocsoi	associated_soil	String	Varchar	no	60					yes	
4	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
5	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
6	Rec ID	siteassocsoiid	site_associated_soils_iid	Integer	Int	yes						yes	

The Site Associated Soils table lists those soils that occur in the same or adjacent landscape segments as the site being described.

NASIS 7.4.2 Tables and Columns

Table Physical Name: siteassoctext

Table Label: Site Association Text

Table Logical Name: site_association_text

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	siteassociidref	site_assoc_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Date	recdate	record_date	Date/Time	Datetime	no						yes	
4	Author	recauthor	record_author	String	Varchar	no	25					yes	
5	Kind	siteassoctextkind	site_association_text_kind	Choice	Smallint	no						yes	site_association_text_kind
6	Category	textcat	text_category	String	Varchar	no	20					yes	
7	Subcategory	textsubcat	text_subcategory	String	Varchar	no	20					yes	
8	Text Entry	textentry	text_entry	Narrative Text	Varchar(max)	no						yes	
9	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
10	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
11	Rec ID	siteatextiid	site_assoc_text_iid	Integer	Int	yes						yes	

The Site Association Text table records notes and other narrative descriptions that help to describe a particular site association.

NASIS 7.4.2 Tables and Columns

Table Physical Name: sitebedrock

Table Label: Site Bedrock

Table Logical Name: site_bedrock

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	siteiidref	site_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Vertical Order	bedrockorder	bedrock_order	Integer	Int	no			1			yes	
4	Geologic Group	geogroup	geologic_group	String	Varchar	no	60					yes	
5	Geologic Formation	geoform	geologic_formation	String	Varchar	no	60					yes	
6	Geologic Member	geomember	geologic_member	String	Varchar	no	60					yes	
7	Bedrock Depth	bedrckdepth	bedrock_depth	Integer	Int	no			0	9999	cm	yes	
8	Kind	bedrckkind	bedrock_kind	Choice	Smallint	no						yes	bedrock_kind
9	Hardness	bedrckhardness	bedrock_hardness	Choice	Smallint	no						yes	rupture_resist_block_cem
10	Bedrock Fracture Interval	bedrckfractint	bedrock_fracture_interval	Choice	Smallint	no						yes	bedrock_fracture_interval_class
11	Bedrock Weathering	bedrckweather	bedrock_weathering	Choice	Smallint	no						yes	weathering
12	Bedrock Strike	bedrckstrike	bedrock_strike	Integer	Int	no			0	360	degrees	yes	
13	Bedrock Dip	bedrckdip	bedrock_dip	Integer	Int	no			0	90	degrees	yes	
14	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
15	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
16	Rec ID	sitebedrockiid	site_bedrock_iid	Integer	Int	yes						yes	

This table records the kind(s) of bedrock layers observed at the site. Multiple layers of bedrock can be described.

NASIS 7.4.2 Tables and Columns

Table Physical Name: siteecositehistory

Table Label: Site Ecological Site History

Table Logical Name: site_ecological_site_history

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	siteiidref	site_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Correlation Date	ecositecorrdate	ecological_site_corr_date	Date/Time	Datetime	no						yes	
4	Ecological Site	ecositeiidref	ecological_site_iid_ref	Integer	Int	yes						yes	
5	Classifier	classifier	classifier	String	Varchar	no	60					yes	
6	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
7	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
8	Rec ID	siteecositehistoryiid	site_ecosite_history_iid	Integer	Int	yes						yes	

This table records the history of ecological site correlation with this Site table record.

NASIS 7.4.2 Tables and Columns

Table Physical Name: siteerosionacc

Table Label: Site Erosion Accelerated

Table Logical Name: site_erosion_accelerated

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	siteobsiidref	site_observation_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Kind	erokind	erosion_accelerated_kind	Choice	Smallint	no						yes	erosion_accelerated_kind
4	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
5	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
6	Rec ID	siteeroacciid	site_erosion_accelerated_iid	Integer	Int	yes						yes	

The Site Erosion Accelerated table lists the kinds of accelerated erosion that occur on this site.

NASIS 7.4.2 Tables and Columns

Table Physical Name: sitegeomordesc

Table Label: Site Geomorphic Description

Table Logical Name: site_geomorph_desc

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	siteiidref	site_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Geomorphic Feature	geomfiidref	geomorph_feat_iid_ref	Integer	Int	yes						yes	
4	Feature Modifier	geomfmod	geomorph_feat_modifier	String	Varchar	no	60					yes	
5	Feature ID	geomfeatid	geomorphic_feat_id	Integer	Smallint	no						yes	
6	Exists on Feature ID	existsonfeat	exists_on_feature	Integer	Smallint	no						yes	
7	Record When Last Updated	recwlupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
8	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
9	Rec ID	sitegeomdiid	site_geomorph_desc_iid	Integer	Int	yes						yes	

The Site Geomorphic Description table lists the geomorphic features found at this site.

NASIS 7.4.2 Tables and Columns

Table Physical Name: siteinundationtype

Table Label: Site Inundation Type

Table Logical Name: site_inundation_type

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	siteobsiidref	site_observation_iid_ref	Integer	Int	yes						no	
2	Inundation Type	inundationtype	inundation_type	Choice	Smallint	no						yes	inundation_type
3	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
4	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
5	Rec ID	siteinundationtypeiid	site_inundation_type_iid	Integer	Int	yes						yes	

This table lists the inundation type that occurred on this site.

NASIS 7.4.2 Tables and Columns

Table Physical Name: siteiristubedata

Table Label: Site IRIS Tube Data

Table Logical Name: site_iris_tube_data

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	siteobsiidref	site_observation_iid_ref	Integer	Int	yes						no	
2	Tube ID	iristubeid	iris_tube_id	Integer	Int	yes						yes	
3	Top Depth Evaluated	topdepthevaluated	top_depth_evaluated	Float	Real	yes		1	0	200	cm	yes	
4	Bottom Depth Evaluated	bottomdepthevaluated	bottom_depth_evaluated	Float	Real	yes		1	0	200	cm	yes	
5	Date Installed	dateinstalled	date_installed	Date/Time	Datetime	no						yes	
6	Date Removed	dateremoved	date_removed	Date/Time	Datetime	no						yes	
7	Iron Pct Removed	ironpctremoved	iron_removed_percent	Integer	Smallint	no			0	100	percent	yes	
8	Soil Reduced	reducedsoilflag	reduced_soil_flag	Boolean	Bit	yes						yes	
9	Scan Image File Name	irisimagefilename	iris_image_scan_file_name	File Reference	Varchar	no	260					yes	
10	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
11	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
12	Rec ID	siteiristubedataiid	site_iris_tube_data_iid	Integer	Int	yes						yes	

This table records data from iris tubes installed at a particular site location.

NASIS 7.4.2 Tables and Columns

Table Physical Name: siteiristubeimage

Table Label: Site IRIS Tube Image

Table Logical Name: site_iris_tube_image

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	siteiristubedataiidref	site_iris_tube_data_iid_ref	Integer	Int	yes						no	
2	Image Scan	iristubeimagescan	iris_tube_image_scan	Binary	Varbinary(max)	yes						no	
3	Rec ID	siteiristubeimageiid	site_iris_tube_image_iid	Integer	Int	yes						no	

This table records the actual image scan file(s) of IRIS tubes.

NASIS 7.4.2 Tables and Columns

Table Physical Name: sitemuoverlap

Table Label: Site Mapunit Overlap

Table Logical Name: site_mapunit_overlap

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	siteiidref	site_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Legend Mapunit	lmapunitiidref	legend_mapunit_iid_ref	Integer	Int	yes						yes	
4	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
5	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
6	Rec ID	smuoviid	site_mapunit_overlap_iid	Integer	Int	yes						yes	

This table is intended to record the coincidence of individually described sites with a particular mapunit in a particular legend.

NASIS 7.4.2 Tables and Columns

Table Physical Name: siteobs

Table Label: Site Observation

Table Logical Name: site_observation

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	siteidref	site_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Observation Date	obsdate	observation_date	Date/Time	Datetime	yes						yes	
4	Observation Date Kind	obsdatekind	observation_date_kind	Choice	Smallint	no						yes	observation_date_kind
5	Data Collector	datacollector	data_collector	String	Varchar	no	60					yes	
6	Associated User Project ID	projectiidref	project_iid_ref	Integer	Int	no						yes	
7	Air Photo ID	photoid	photograph_id	String	Varchar	no	9					yes	
8	Surface Water Kind	swaterkind	surface_water_kind	Choice	Smallint	no						yes	surface_water_kind
9	Surface Water Depth	swaterdepth	surface_water_depth	Integer	Smallint	no			1	1000	cm	yes	
10	Hydrology Status	hydrologystatus	hydrology_status	Choice	Smallint	no						yes	hydrology_status
11	Microrelief Kind	geomicrorelief	geomorph_micro_relief	Choice	Smallint	no						yes	microrelief_kind
12	Microrelief Elevation	geommicreliev	geomorph_microrelief_elevation	Integer	Smallint	no			0	999	cm	yes	
13	Ecological State ID	ecostateid	ecological_state_id	Integer	Int	no			1	20		yes	
14	Ecological State Name	ecostatename	ecological_state_name	String	Varchar	no	100					yes	
15	Community Phase ID	commphaseid	community_phase_id	Integer	Int	no			1	20		yes	
16	Community Phase Name	commphasename	community_phase_name	String	Varchar	no	100					yes	
17	Plant Association Name	plantassocnm	plant_association_name	String	Varchar	no	40					yes	
18	Earth Cover Kind One	earthcovkind1	earth_cover_kind_level_one	Choice	Smallint	no						yes	earth_cover_kind_level_one
19	Earth Cover Kind Two	earthcovkind2	earth_cover_kind_level_two	Choice	Smallint	no						yes	earth_cover_kind_level_two
20	Resource Retention Class	resource retentionclass	resource_retention_class	Choice	Smallint	no						yes	resource_retention_class
21	Bare Area Max Width	bareareamaxwidth	bare_area_max_width	Integer	Int	no			0	5000	cm	yes	
22	Pedoderm Class	pedodermclass	pedoderm_class	Choice	Smallint	no						yes	pedoderm_class
23	Pedoderm Loose Cover Indicator	pedodermcovind	pedoderm_loose_cover_indicator	Boolean	Bit	yes						yes	
24	Biol Crust Type Dominant	biolcrusttypedom	biological_crust_type_dom	Choice	Smallint	no						yes	biological_crust_type
25	Biol Crust Type Secondary	biolcrusttypesecund	biological_crust_type_second	Choice	Smallint	no						yes	biological_crust_type
26	Physical Crust Subtype	physcrustsubtype	physical_crust_subtype	Choice	Smallint	no						yes	physical_crust_subtype
27	Crust Dev Class	crustdevcl	crust_development_class	Choice	Smallint	no						yes	crust_development_class
28	Soil Redistribution Class	soilredistributionclass	soil_redistribution_class	Choice	Smallint	no						yes	soil_redistribution_class
29	Exposed Soil Percent	exposedsoilpct	exposed_soil_percent	Integer	Smallint	no			0	100	percent	yes	
30	Local Disturbance Distance	localdisturbancedistance	local_disturbance_distance	Integer	Int	no			1		meters	yes	
31	Local Disturbance Description	localdisturbancedescription	local_disturbance_description	String	Varchar	no	50					yes	
32	Drained	drainedflag	drained_flag	Boolean	Bit	yes						yes	
33	Bedded Soil	beddingflag	bedding_flag	Boolean	Bit	yes						yes	
34	Forest Plantation	plantationflag	plantation_flag	Boolean	Bit	yes						yes	
35	Forest Rotation Stage	forestrotationstage	forest_rotation_stage	Choice	Smallint	no						yes	forest_rotation_stage
36	Yield Study ID	yldstudyid	yield_study_identification	String	Varchar	no	10					yes	
37	Current Weather	currweathercond	current_weather_conditions	Choice	Smallint	no						yes	weather_conditions
38	Current Air Temp	currairtemp	current_air_temp	Integer	Int	no			-50	55	degrees c	yes	
39	Tidal Period	tidalperiod	tidal_period	Choice	Smallint	no						yes	tidal_period
40	Bottom Type	bottomtype	bottom_type	Choice	Smallint	no						yes	bottom_type
41	Water pH Upper	saswaterphupper	sas_water_ph_upper	Float	Real	no		1	1.0	13		yes	
42	Water pH Lower	saswaterphlower	sas_water_ph_lower	Float	Real	no		1	1.0	13		yes	
43	Water pH Method	phdetermeth	ph_determination_method	Choice	Smallint	no						yes	ph_determination_method
44	Water Temp Lower	saswatertemplower	sas_water_temp_lower	Integer	Int	no			-10	50	degrees c	yes	

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
45	Water Temp Upper	saswatertempupper	sas_water_temp_upper	Integer	Int	no			-10	50	degrees c	yes	
46	Dissolved Oxygen Upper	sasdissolvedoxyupper	sas_dissolved_oxygen_upper	Float	Real	no		1			mg/l	yes	
47	Dissolved Oxygen Lower	sasdissolvedoxylower	sas_dissolved_oxygen_lower	Float	Real	no		1			mg/l	yes	
48	Water Salinity Upper	saswatersalinityupper	sas_water_salinity_upper	Float	Real	no		1			ppt	yes	
49	Water Salinity Lower	saswatersalinitylower	sas_water_salinity_lower	Float	Real	no		1			ppt	yes	
50	Current Season Precip	currentseasonprecip	current_season_precipitation	Integer	Int	no			0	11500	mm	yes	
51	Growing Season Rating	growingseasonrating	growing_season_rating	Choice	Smallint	no						yes	growing_season_rating
52	Current Year Precip	currentyearprecip	current_year_precip	Choice	Smallint	no						yes	current_year_precip
53	Extra Moisture Source	extramoisturesource	extra_moisture_source	Choice	Smallint	no						yes	extra_moisture_source
54	Kind of Land	landkind	land_kind	Choice	Smallint	no						yes	land_kind
55	SAF Cover Type	safcovertype	saf_cover_type	Choice	Smallint	no						yes	saf_cover_type
56	STM Version ID	stmversionid	stm_version_id	String	Varchar	no	5					yes	
57	Rosgen Stream Type	rosgenstreamtype	rosgen_stream_type	Choice	Smallint	no						yes	rosgen_stream_type
58	Rosgen Stream Subclass	rosgenstreamsubclass	rosgen_stream_subclass	Choice	Smallint	no						yes	rosgen_stream_subclass
59	Crop Name	cropname	crop_name	Choice	Smallint	no						yes	crop_name
60	SH Management System	shmanagmentsystem	sh_management_system	String	Varchar	no	254					no	
61	SH Management System Symbol	shmanagementsystemsymbol	sh_managment_system_symbol	String	Varchar	no	10					no	
62	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
63	Record When Last Updated	recwlastupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
64	Rec ID	siteobsiid	site_observation_iid	Integer	Int	yes						yes	

The Site Observation table records the date that the various observation or analytical data is collected for the specific site or location. Soil or site properties that may change with time are also recorded here. If a site is revisited at a later date for additional data collection, a new row with the appropriate date is entered in this table. Separate tables exist for properties that may have multiple entries.

NASIS 7.4.2 Tables and Columns

Table Physical Name: siteobsrefecmdoc

Table Label: Site Observation Reference ECM Documents

Table Logical Name: site_observation_ref_ecm_doc

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	siteobsiidref	site_observation_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	ECM Document Type	ecmdoctype	ecm_document_type	Choice	Smallint	no						no	document_kind
4	ECM Document Name	ecmdocname	ecm_document_name	String	Varchar	no	255					no	
5	ECM Document URL	ecmdockeyurl	ecm_document_key_url	Hyperlink	Varchar	no	138					no	
6	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
7	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						no	
8	Rec ID	siteobsrefecmdociid	site_obs_ref_ecm_doc_iid	Integer	Int	yes						no	

This table contains hyperlink(s) to document(s) stored in the Enterprise Content Management (ECM) system that are additional documentation of the pedon. A separate row is entered for each document stored in the ECM. The kinds of documents that can be stored are: Audio, images, diagrams, powerpoint presentations, spreadsheets, text (plain text or other word processing program), PDF, and video.

NASIS 7.4.2 Tables and Columns

Table Physical Name: siteobstext

Table Label: Site Observation Text

Table Logical Name: site_observation_text

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	siteobsiidref	site_observation_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Date	recdate	record_date	Date/Time	Datetime	no						yes	
4	Author	recauthor	record_author	String	Varchar	no	25					yes	
5	Kind	siteobstextkind	site_observation_text_kind	Choice	Smallint	no						yes	site_observation_text_kind
6	Category	textcat	text_category	String	Varchar	no	20					yes	
7	Subcategory	textsubcat	text_subcategory	String	Varchar	no	20					yes	
8	Text Entry	textentry	text_entry	Narrative Text	Varchar(max)	no						yes	
9	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
10	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
11	Rec ID	siteobstextiid	site_observation_text_iid	Integer	Int	yes						yes	

The Site Observation Text table contains notes and narrative descriptions that apply to the whole site at the time of observation. Site Observation text is typically used to document additional features observed for a site, but no data elements exist for these features. An entry is optional. In many cases, the table is empty.

NASIS 7.4.2 Tables and Columns

Table Physical Name: siteothvegclass

Table Label: Site Other Vegetative Classification

Table Logical Name: site_other_veg_class

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	siteiidref	site_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Other Veg Class	ovegcliidref	oth_veg_class_iid_ref	Integer	Int	yes						yes	
4	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
5	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
6	Rec ID	siteovegcliid	site_other_veg_class_iid	Integer	Int	yes						yes	

The Site Other Vegetative Classification table records vegetative classifications associated with a particular site, other than the NRCS concept of an ecological site. The NRCS ecological site(s) associated with a particular component is recorded in the Site table. The primary reason for the existence of the Site Other Vegetative Classification table is the need to record the U.S. Forest Service concept of ecological site or habitat type.

NASIS 7.4.2 Tables and Columns

Table Physical Name: sitepm

Table Label: Site Parent Material

Table Logical Name: site_parent_material

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	siteiidref	site_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Vertical Order	pmorder	parent_material_order	Integer	Smallint	no			1			yes	
4	Top Depth	pmdept	parent_mat_depth_to_top	Integer	Smallint	no			0	9999	cm	yes	
5	Bottom Depth	pmdepb	parent_mat_depth_to_bottom	Integer	Smallint	no			0	9999	cm	yes	
6	Textural Modifier	pmmodifier	parent_material_modifier	Choice	Smallint	no						yes	parent_material_modifier
7	General Modifier	pmgenmod	parent_material_general_mod	String	Varchar	no	60					yes	
8	Kind	pmkind	parent_material_kind	Choice	Smallint	no						yes	parent_material_kind
9	Origin	pmorigin	parent_material_origin	Choice	Smallint	no						yes	parent_material_origin
10	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
11	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
12	Rec ID	sitepmiid	site_parent_material_iid	Integer	Int	yes						yes	

The Site Parent Material table lists the individual parent materials, and their vertical sequence, from which the soil at this site developed. The Parent Material Group Name is shown above in the Site table.

NASIS 7.4.2 Tables and Columns

Table Physical Name: siterefecmdoc

Table Label: Site Reference ECM Documents

Table Logical Name: site_ref_ecm_doc

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	siteiidref	site_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	ECM Document Type	ecmdoctype	ecm_document_type	Choice	Smallint	no						no	document_kind
4	ECM Document Name	ecmdocname	ecm_document_name	String	Varchar	no	255					no	
5	ECM Document URL	ecmdockeyurl	ecm_document_key_url	Hyperlink	Varchar	no	138					no	
6	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
7	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						no	
8	Rec ID	siterefecmdociid	site_ref_ecm_doc_iid	Integer	Int	yes						no	

This table contains hyperlink(s) to document(s) stored in the Enterprise Content Management (ECM) system that are additional documentation of the pedon. A separate row is entered for each document stored in the ECM. The kinds of documents that can be stored are: Audio, images, diagrams, powerpoint presentations, spreadsheets, text (plain text or other word processing program), PDF, and video.

NASIS 7.4.2 Tables and Columns

Table Physical Name: sitesoilmoist

Table Label: Site Soil Moisture

Table Logical Name: site_soil_moisture

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	siteobsiidref	site_observation_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Top Depth	soimoistdept	soil_moist_depth_to_top	Integer	Smallint	no			0	9999	cm	yes	
4	Bottom Depth	soimoistdepb	soil_moist_depth_to_bottom	Integer	Smallint	no			0	9999	cm	yes	
5	Sensor Depth	soilmoistsensordepth	soil_moisture_sensor_depth	Float	Real	no		1	0		cm	yes	
6	Sensor Kind	soilmoistsensorkind	soil_moisture_sensor_kind	Choice	Smallint	no						yes	soil_moisture_sensor_kind
7	Observed Moist Status	obssoimoiststat	observed_soil_moisture_status	Choice	Smallint	no						yes	observed_soil_moisture_status
8	Vol Moisture Pct	obssoimoist	observed_soil_moisture_percent	Integer	Smallint	no			0	100	percent	yes	
9	Grav Moist Pct Whole Soil	obsgrsoimoist	obs_grav_soil_moist_percent	Integer	Smallint	no			0	100	percent	yes	
10	Moisture Tension	soimoistten	soil_moisture_tension	Float	Real	no		3	0	25	bars	yes	
11	Record When Last Updated	recwlastupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
12	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
13	Rec ID	sitesmiid	site_soil_moisture_iid	Integer	Int	yes						yes	

The Site Soil Moisture table describes the soil moisture profile at this site at the time of observation. A soil moisture profile may be recorded at different dates, i.e. record the results of a watertable study, by entering a new row and date in the Site Observation table and then entering the moisture data in this table.

NASIS 7.4.2 Tables and Columns

Table Physical Name: sitesoiltemp

Table Label: Site Soil Temperature

Table Logical Name: site_soil_temperature

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	siteobsiidref	site_observation_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Depth	soitempdep	soil_temperature_depth	Integer	Smallint	no			0	9999	cm	yes	
4	Sensor Kind	soiltempsensorkind	soil_temp_sensor_kind	Choice	Smallint	no						yes	soil_temperature_sensor_kind
5	Site Soil Temperature	soitemp	soil_temperature	Float	Real	no		2	-40	50	degrees c	yes	
6	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
7	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
8	Rec ID	sitestiid	site_soil_temperature_iid	Integer	Int	yes						yes	

The Site Soil Temperature table is used to record observed soil temperatures at various depths at the time of observation. Temperatures may be recorded at different dates, i.e. record the results of soil temperature studies over time, by entering a new row and date in the Site Observation table then entering the temperature data in this table.

NASIS 7.4.2 Tables and Columns

Table Physical Name: sitesurffrags

Table Label: Site Surface Fragments

Table Logical Name: site_surface_fragments

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	siteobsiidref	site_observation_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Cover %	sfragcov	surface_frag_cover_percent	Float	Real	no		2	0	100	percent	yes	
4	Avg Distance Between Rocks	distrocks	mean_distance_between_rocks	Float	Real	no		2	0	50	meters	yes	
5	Surface Frag Size	sfragsize	surface_frag_size	Integer	Smallint	no			2		mm	yes	
6	Kind	sfragkind	surface_frag_kind	Choice	Smallint	no						yes	fragment_kind
7	Shape	sfragshp	surface_frag_shape	Choice	Smallint	no						yes	fragment_shape
8	Roundness	sfraground	surface_frag_roundness	Choice	Smallint	no						yes	fragment_roundness
9	Hardness	sfraghard	surface_frag_hardness	Choice	Smallint	no						yes	rupture_resist_block_cem
10	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
11	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
12	Rec ID	sitesurffragsiid	site_surface_fragments_iid	Integer	Int	yes						yes	

The Site Surface Fragments table lists the organic or mineral fragments on the surface of the soil at the time of observation. A separate row is entered for each size and lithology found.

NASIS 7.4.2 Tables and Columns

Table Physical Name: sitetext

Table Label: Site Text

Table Logical Name: site_text

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	siteiidref	site_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Date	recdate	record_date	Date/Time	Datetime	no						yes	
4	Author	recauthor	record_author	String	Varchar	no	25					yes	
5	Kind	sitetextkind	site_text_kind	Choice	Smallint	no						yes	site_text_kind
6	Category	textcat	text_category	String	Varchar	no	20					yes	
7	Subcategory	textsubcat	text_subcategory	String	Varchar	no	20					yes	
8	Text Entry	textentry	text_entry	Narrative Text	Varchar(max)	no						yes	
9	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
10	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
11	Rec ID	sitetextiid	site_text_iid	Integer	Int	yes						yes	

The Site Text table contains notes and narrative descriptions that apply to the whole site. Site text is typically used to document additional features observed for a site, but no data elements exist for these features. An entry is optional. In many cases, the table is empty. These features or notes should not change with time. If they are time dependent, the entry should be made in the Site Observation Text table.

NASIS 7.4.2 Tables and Columns

Table Physical Name: sitetreescounted

Table Label: Site Trees Counted

Table Logical Name: site_trees_counted

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	sitewoodybasalareaiidref	site_woody_basal_area_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	DBH	treediameterbreastheight	tree_diameter_breast_height	Float	Real	yes		1	0.1	360	inches	yes	
4	Tree Height	treeheight	tree_height	Float	Real	yes		1	1	500	feet	yes	
5	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
6	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
7	Rec ID	treescountediid	site_trees_counted_iid	Integer	Int	yes						yes	

This table records information (including individual tree observational details) used to determine the woody basal area for a particular site/plot.

NASIS 7.4.2 Tables and Columns

Table Physical Name: siteusgsquadrangleoverlap

Table Label: Site USGS Quadrangle Overlap

Table Logical Name: site_usgs_quadrangle_overlap

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	siteiidref	site_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	USGS Quadrangle	usgsquadrangleiidref	usgs_quadrangle_iid_ref	Integer	Int	yes						yes	
4	Record When Last Updated	recwlastupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
5	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
6	Rec ID	siteusgsquadoiid	site_usgs_quad_overlap_iid	Integer	Int	yes						yes	

This table records the overlap of geographic location of this site record with USGS Topographic Quadrangles.

NASIS 7.4.2 Tables and Columns

Table Physical Name: sitewoodybasalarea

Table Label: Site Woody Basal Area

Table Logical Name: site_woody_basal_area

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	vegplotidref	vegetation_plot_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Basal Area Factor	basalareafactor	basal_area_factor	Choice	Smallint	yes						yes	basal_area_factor
4	Basal Area	basalareasubplottotal	basal_area_subplot_total	Integer	Int	no			0	500	ft2/acre	yes	
5	Number of Trees In	numberoftreesin	number_of_trees_in	Integer	Int	yes			0			yes	
6	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
7	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
8	Rec ID	sitewoodybasalareaiid	site_woody_basal_area_iid	Integer	Int	yes						yes	

This table records the number of trees that were counted as 'in' as part of the observations collected when determining the woody basal area for a particular site/plot.

NASIS 7.4.2 Tables and Columns

Table Physical Name: soilhealth

Table Label: Soil Health

Table Logical Name: soil_health

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Site/Site Obs	siteobsiidref	site_observation_iid_ref	Integer	Int	yes						no	
2	DSP Project ID	uprojectid	user_project_id	String	Varchar	yes	60					no	
3	DSP Project Name	projectname	project_name	String	Varchar	no	254					no	
4	DSP Project Description	projectdesc	project_description	Narrative Text	Varchar(max)	no						no	
5	Soil Health Plot ID	dsplotid	dsp_plot_id	String	Varchar	no	10					no	
6	Associated User Pedon ID	assocuserpedonid	associated_user_pedon_id	String	Varchar	yes	60					no	
7	Ecological Site ID	ecositeiidref	ecological_site_iid_ref	Integer	Int	no						no	
8	Ecological State Id	ecostateid	ecological_state_id	Integer	Int	no			1	20		no	
9	Target Soil Name	taxonname	taxon_name	String	Varchar	no	60					no	
10	Target Soil Symbol	shtargetsoilsymbol	sh_target_soil_symbol	String	Varchar	no	10					no	
11	Primary Climate Station	climatestationprimary	climate_station_primary	String	Varchar	no	8					no	
12	Secondary Climate Station ID	climatestationsecondary	climate_station_secondary	String	Varchar	no	8					no	
13	Soil Health NASIS Site	soilhealthdbiidref	soil_health_database_iid_ref	Integer	Int	yes						no	
14	NASIS Group	grpIIDref	group_iid_ref	Integer	Int	yes						no	
15	Object Last Updated	objwIupdated	object_when_last_updated	Date/Time	Datetime	no						no	
16	Object Last Updated By	objuseriidref	object_user_iid_ref	Integer	Int	yes						no	
17	Record When Last Updated	recwIupdated	record_when_last_updated	Date/Time	Datetime	no						no	
18	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						no	
19	Rec ID	soilhealthiid	soil_health_iid	Integer	Int	yes						no	

This table contains data related to DSP and Soil Health projects.

NASIS 7.4.2 Tables and Columns

Table Physical Name: soilmoistmonitordata

Table Label: Soil Moisture Monitor Data

Table Logical Name: soil_moist_monitor_data

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	soilmonitordataiidref	soil_monitor_data_iid_ref	Integer	Int	yes						no	
2	Sensor ID	sensorid	sensor_id	Integer	Int	yes			1			yes	
3	Sensor Depth	soilmoistsensordepth	soil_moisture_sensor_depth	Float	Real	yes		1	0		cm	yes	
4	Sensor Kind	soilmoistsensorkind	soil_moisture_sensor_kind	Choice	Smallint	no						yes	soil_moisture_sensor_kind
5	Min Soil Moisture - Vol	soilmoistvoldailymin	soil_moist_vol_daily_min	Float	Real	no		2	0	100	percent	yes	
6	Ave Daily Soil Moisture Vol	soilmoistvoldailyave	soil_moist_vol_daily_ave	Float	Real	no		2	0	100	percent	yes	
7	Daily Vol Soil Moisture Max	soilmoistvoldailymax	soil_moist_vol_daily_max	Float	Real	no		2	0	100	percent	yes	
8	Notes	notes	notes	Narrative Text	Varchar(max)	no						yes	
9	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
10	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
11	Rec ID	soilmoistmonitordataiid	soil_moist_monitor_data_iid	Integer	Int	yes						yes	

This table records daily soil moisture values from the sensors at a site on a given date.

NASIS 7.4.2 Tables and Columns

Table Physical Name: soilmonitordata

Table Label: Soil Monitor Data

Table Logical Name: soil_monitor_data

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	peiidref	pedon_iid_ref	Integer	Int	yes						no	
2	Station ID	stationid	station_id	String	Varchar	yes	30					yes	
3	Observation Date	obsdate	observation_date	Date/Time	Datetime	yes						yes	
4	Daily Precipitation	dailyprecipmeasured	daily_precip_measured	Float	Real	no		2	0		cm	yes	
5	Min Air Temp	airtempmin	air_temp_measured_daily_min	Float	Real	no		2	-50	50	degrees c	yes	
6	Ave Air Temp	airtempave	air_temp_measured_daily_ave	Float	Real	no		2	-50	50	degrees c	yes	
7	Daily Air Temp Max	airtempmax	air_temp_measured_daily_max	Float	Real	no		2	-50	50	degrees c	yes	
8	Temp Sensor Height	airtempsensorheight	air_temp_sensor_height	Integer	Int	no			1		cm	yes	
9	Notes	notes	notes	Narrative Text	Varchar(max)	no						yes	
10	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
11	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
12	Rec ID	soilmonitordataiid	soil_monitor_data_iid	Integer	Int	yes						yes	

This table records data related to soil temperature and moisture monitoring projects.

NASIS 7.4.2 Tables and Columns

Table Physical Name: soilseries

Table Label: Soil Series

Table Logical Name: soil_series

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Soil Series Name	soilseriesname	soil_series_name	String	Varchar	yes	25					yes	
2	Soil Taxonomic Classification Last Updated	soiltaxclasslastupdated	soil_tax_class_last_updated	Date/Time	Datetime	no						yes	
3	MLRA Office	mlraoffice	mlra_office	Choice	Smallint	no						yes	mlra_office
4	Type Location State	typelocstareaiidref	type_loc_st_area_iid_ref	Integer	Int	no						yes	
5	Type Location State Area Type	typelocstareatypeiidref	type_loc_st_area_type_iid_ref	Integer	Int	yes						no	
6	Status	soilseriesstatus	soil_series_status	Choice	Smallint	no						yes	series_status
7	Taxonomic Class	taxclname	taxonomic_classification_name	String	Varchar	no	120					yes	
8	Order	taxorder	taxonomic_order	Choice	Smallint	no						yes	taxonomic_order
9	Taxonomic Suborder	taxsuborder	taxonomic_suborder	Choice	Smallint	no						yes	taxonomic_suborder
10	Great Group	taxgrtgroup	taxonomic_great_group	Choice	Smallint	no						yes	taxonomic_great_group
11	Taxonomic Subgroup	taxsubgrp	taxonomic_subgroup	Choice	Smallint	no						yes	taxonomic_subgroup
12	Particle Size	taxpartsize	taxonomic_family_particle_size	Choice	Smallint	no						yes	taxonomic_family_particle_size
13	Particle Size Mod	taxpartsizemod	taxonomic_family_part_size_mod	Choice	Smallint	no						yes	taxonomic_family_part_size_mod
14	Soil Series CEC Activity Class	taxceactcl	taxonomic_family_c_e_act_class	Choice	Smallint	no						yes	taxonomic_family_c_e_act_class
15	Reaction	taxreaction	taxonomic_family_reaction	Choice	Smallint	no						yes	taxonomic_family_reaction
16	Tax Family Temp Class	taxtempcl	taxonomic_family_temp_class	Choice	Smallint	no						yes	taxonomic_family_temp_class
17	HAHT Material Class	taxfamhahatmatcl	taxonomic_family_haht_mat_cl	Choice	Smallint	no						yes	taxonomic_family_haht_mat_class
18	Origin Year	originyear	origin_year	Integer	Smallint	no						yes	
19	Established Year	establishedyear	established_year	Integer	Smallint	no						yes	
20	Description Date Initial	descriptiondateinitial	description_date_initial	Date/Time	Datetime	no						yes	
21	Description Date Last Updated	descriptiondateupdated	description_date_updated	Date/Time	Datetime	no						yes	
22	Benchmark Soil Flag	benchmarksoilflag	benchmark_soil_flag	Boolean	Bit	yes						yes	
23	STATSGO	statsgoflag	statsgo_flag	Boolean	Bit	yes						yes	
24	Soil Series Edit History	soilseriesedithistory	soil_series_edit_history	Narrative Text	Varchar(max)	no						yes	
25	Soil Series NASIS Site	soilseriesdbiidref	soil_series_database_iid_ref	Integer	Int	yes						yes	
26	NASIS Group	grpriidref	group_iid_ref	Integer	Int	yes						yes	
27	Object Last Updated	objwlastupdated	object_when_last_updated	Date/Time	Datetime	no						yes	
28	Object Last Updated By	objuseridref	object_user_iid_ref	Integer	Int	no						yes	
29	Record When Last Updated	recwlastupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
30	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
31	Rec ID	soilseriesiid	soil_series_iid	Integer	Int	yes						yes	

This table contains a complete listing of Official Soil Series, their taxonomic classification, status, ownership and related information.

NASIS 7.4.2 Tables and Columns

Table Physical Name: soilseriesmlrasusing

Table Label: Soil Series MLRAs Using

Table Logical Name: soil_series_mlras_using

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	soilseriesiidref	soil_series_iid_ref	Integer	Int	yes						no	
2	MLRA	mlraareaiidref	mlra_area_iid_ref	Integer	Int	yes						yes	
3	MLRA Area Type	mlraareatypeiidref	mlra_area_type_iid_ref	Integer	Int	yes						no	
4	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
5	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
6	Rec ID	soilseriesmlrasusingiid	soil_series_mlras_using_iid	Integer	Int	yes						yes	

This table records a listing of the MLRA(s) where a particular OSD is correlated.

NASIS 7.4.2 Tables and Columns

Table Physical Name: soilseriesrefecmdoc

Table Label: Soil Series Reference ECM Documents

Table Logical Name: soil_series_ref_ecm_doc

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	soilseriesiidref	soil_series_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	ECM Document Type	ecmdoctype	ecm_document_type	Choice	Smallint	no						no	document_kind
4	ECM Document Name	ecmdocname	ecm_document_name	String	Varchar	no	255					no	
5	ECM Document URL	ecmdockeyurl	ecm_document_key_url	Hyperlink	Varchar	no	138					no	
6	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
7	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						no	
8	Rec ID	soilseriesrefecmdociid	soil_series_ref_ecm_doc_iid	Integer	Int	yes						no	

This table contains hyperlink(s) to document(s) stored in the Enterprise Content Management (ECM) system that are additional documentation of the soil series. A separate row is entered for each document stored in the ECM. The kinds of documents that can be stored are: Audio, images, diagrams, PDF, powerpoint presentations, spreadsheets, text (plain text or other word processing program), and video.

NASIS 7.4.2 Tables and Columns

Table Physical Name: soilseriesstatesusing

Table Label: Soil Series States Using

Table Logical Name: soil_series_states_using

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	soilseriesiidref	soil_series_iid_ref	Integer	Int	yes						no	
2	State	stateareaiidref	state_area_iid_ref	Integer	Int	yes						yes	
3	State Area Type	stateareatypeiidref	state_area_type_iid_ref	Integer	Int	yes						no	
4	Record When Last Updated	recwlastupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
5	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
6	Rec ID	soilseriesstatesusingiid	soil_series_states_using_iid	Integer	Int	yes						yes	

This table records a listing of the state(s) where a particular OSD is correlated.

NASIS 7.4.2 Tables and Columns

Table Physical Name: soilseriestaxfamother

Table Label: Soil Series Taxonomic Family Other

Table Logical Name: soil_series_tax_fam_other

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	soilseriesiidref	soil_series_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Family Other	taxfamother	taxonomic_family_other	Choice	Smallint	yes						yes	taxonomic_family_other
4	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
5	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
6	Rec ID	soilseriestaxfamothiid	soil_series_tax_fam_oth_iid	Integer	Int	yes						yes	

This table lists the other taxonomic characteristics, such as classes of coatings or permanent cracks, that apply to this soil series.

NASIS 7.4.2 Tables and Columns

Table Physical Name: soilseriestaxmineralogy

Table Label: Soil Series Taxonomic Mineralogy

Table Logical Name: soil_series_tax_mineralogy

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	soilseriesiidref	soil_series_iid_ref	Integer	Int	yes						no	
2	Vertical Order	minororder	mineralogy_order	Integer	Smallint	yes			1			yes	
3	Mineralogy	taxminalogy	taxonomic_family_mineralogy	Choice	Smallint	yes						yes	taxonomic_family_mineralogy
4	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
5	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
6	Rec ID	soilseriestaxminiid	soil_series_tax_min_iid	Integer	Int	yes						yes	

This table lists the mineralogy characteristics that apply to this soil series.

NASIS 7.4.2 Tables and Columns

Table Physical Name: soiltempmonitordata

Table Label: Soil Temperature Monitor Data

Table Logical Name: soil_temp_monitor_data

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	soilmonitordataiidref	soil_monitor_data_iid_ref	Integer	Int	yes						no	
2	Sensor ID	sensorid	sensor_id	Integer	Int	yes			1			yes	
3	Sensor Depth	soiltempsensordepth	soil_temp_sensor_depth	Float	Real	yes		1	0		cm	yes	
4	Sensor Kind	soiltempsensorkind	soil_temp_sensor_kind	Choice	Smallint	no						yes	soil_temperature_sensor_kind
5	Min Soil Temp	soiltempdailymin	soil_temp_daily_min	Float	Real	no		2	-40	50	degrees c	yes	
6	Ave Daily Soil Temp	soiltempdailyave	soil_temp_daily_ave	Float	Real	no		2	-40	50	degrees c	yes	
7	Daily Soil Temp Max	soiltempdailymax	soil_temp_daily_max	Float	Real	no		2	-40	50	degrees c	yes	
8	Notes	notes	notes	Narrative Text	Varchar(max)	no						yes	
9	Record When Last Updated	recwlupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
10	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
11	Rec ID	soiltempmonitordataiid	soil_temp_monitor_data_iid	Integer	Int	yes						yes	

This table records daily soil temperature values from the sensors at a site on a given date.

NASIS 7.4.2 Tables and Columns

Table Physical Name: subplotplantdetails

Table Label: Subplot Plant Details

Table Logical Name: subplot_plant_details

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	plotplantinventoryiidref	plot_plant_inventory_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Subplot Nmbr	subplotnumber	subplot_number	Integer	Int	yes			1			yes	
4	Subplot Size	subplotsize	subplot_size	Float	Real	yes		1	0.1		m2	yes	
5	Nmbr of Stems	stemcount	stem_count	Integer	Int	yes			1			yes	
6	Average Stem Diameter	stemdiameteraverage	stem_diameter_average	Float	Real	yes		1	0.1		inches	yes	
7	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
8	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
9	Rec ID	subplotplantdetailsiid	subplot_plant_details_iid	Integer	Int	yes						yes	

This table contains data pertaining to individual plant species collected from individual subplots of a vegetation inventory plot.

NASIS 7.4.2 Tables and Columns

Table Physical Name: system

Table Label: System

Table Logical Name: system

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	System Name	sysnm	system_name	String	Varchar	yes	128					yes	
2	System Version	sysver	system_version	String	Varchar	yes	30					yes	
3	Description	sysdesc	system_description	Narrative Text	Varchar(max)	no						yes	
4	Creation Date	syscreatedate	system_creation_date	Date/Time	Datetime	no						yes	
5	Notes	notes	notes	Narrative Text	Varchar(max)	no						yes	
6	SQL Advance Options	sqladvanceoptions	sql_advance_options	Narrative Text	Varchar(max)	no						yes	
7	System NASIS Site	sysdbiidref	system_database_iid_ref	Integer	Int	yes						yes	
8	NASIS Group	grpIIDref	group_iid_ref	Integer	Int	yes						yes	
9	Object Last Updated	objwIupdated	object_when_last_updated	Date/Time	Datetime	no						yes	
10	Object Last Updated By	objuseriidref	object_user_iid_ref	Integer	Int	no						yes	
11	Record When Last Updated	recwIupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
12	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
13	Rec ID	sysiid	system_iid	Integer	Int	yes						yes	

In general, a record in this table corresponds to a particular version of a particular database. It is used as a parent record for all of the objects associated with a database, attributes, tables and domains.

NASIS 7.4.2 Tables and Columns

Table Physical Name: systemtable

Table Label: System Table

Table Logical Name: system_table

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	tablecollectiidref	table_collection_iid_ref	Integer	Int	yes						no	
2	System	sysiidref	system_iid_ref	Integer	Int	yes						no	
3	Logical Name	tablognm	table_logical_name	String	Varchar	yes	30					yes	
4	Table Physical Name	tabphynm	table_physical_name	String	Varchar	yes	33					yes	
5	Table Label	tablab	table_label	String	Varchar	yes	80					yes	
6	Help Text	tabhelptext	table_help_text	Narrative Text	Varchar(max)	no						yes	
7	Soil Entity Type	soientitytype	soil_entity_type	Choice	Smallint	no						yes	soil_entity_type
8	Import Export File Name	importexportfilename	import_export_file_name	String	Varchar	yes	30					yes	
9	Visible	tabvisible	table_visible	Boolean	Bit	yes						yes	
10	Selectable	tabselectable	table_selectable	Boolean	Bit	yes						yes	
11	Editable	tabeditable	table_editable	Boolean	Bit	yes						yes	
12	No Insert	tabnoinsertordelete	table_no_insert_or_delete	Boolean	Bit	yes						yes	
13	Root Table	tabroottable	table_root_table	Boolean	Bit	yes						yes	
14	Temp Table?	tabtemp	table_temp	Boolean	Bit	yes						yes	
15	Aliased	tabaliased	table_aliated	Boolean	Bit	yes						yes	
16	Static Table	tabstatic	table_static	Boolean	Bit	yes						yes	
17	Client Only	tabclientonly	table_client_database_only	Boolean	Bit	yes						yes	
18	Server Only	tabserveronly	table_server_database_only	Boolean	Bit	yes						yes	
19	Create As View	tabcreateasview	table_create_as_view	Boolean	Bit	yes						yes	
20	Staging Alias Required	tabssaliasreq	table_staging_alias_required	Boolean	Bit	yes						yes	
21	Staging Counterpart Required	tabsscounterpartreq	staging_counterpart_required	Boolean	Bit	yes						yes	
22	Pedon PC to NASIS	tabpedpctonasis	table_pedon_pc_to_nasis	Boolean	Bit	yes						yes	
23	Import Pedon Diagnostic Message SQL Statement	ipdiagmsgsqlstmt	ip_diag_msg_sql_stmt	Narrative Text	Varchar(max)	no						yes	
24	DAG Level	daglevel	dag_level	Integer	Int	no						yes	
25	Table ID	tableid	table_id	Integer	Int	no						yes	
26	Description	tabdesc	table_description	Narrative Text	Varchar(max)	no						yes	
27	SQL Advance Options	sqladvanceoptions	sql_advance_options	Narrative Text	Varchar(max)	no						yes	
28	Pending Action	pendact	pending_action	Choice	Smallint	no						yes	pending_action
29	Pending Status	pendstat	pending_status	Choice	Smallint	no						yes	pending_status
30	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
31	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
32	Rec ID	systabiid	system_table_iid	Integer	Int	yes						yes	

This table records and characterizes the physical tables in a particular database.

NASIS 7.4.2 Tables and Columns

Table Physical Name: systemtablehist

Table Label: System Table History

Table Logical Name: system_table_history

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	systabiidref	system_table_iid_ref	Integer	Int	yes						no	
2	Date	notedate	note_date	Date/Time	Datetime	no						yes	
3	Notes	notes	notes	Narrative Text	Varchar(max)	no						yes	
4	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
5	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
6	Rec ID	tabnoteiid	table_note_iid	Integer	Int	yes						yes	

This table records notes about issues with and changes to a particular physical table.

NASIS 7.4.2 Tables and Columns

Table Physical Name: tablecollection

Table Label: Table Collection

Table Logical Name: table_collection

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	sysiidref	system_iid_ref	Integer	Int	yes						no	
2	Table Collection Name	tablecollectname	table_collection_name	String	Varchar	yes	30					yes	
3	Table Collection Sequence	tablecollectsequence	table_collection_sequence	Integer	Int	yes						yes	
4	Table Collection Insert Sequence	tablecollectinsertsequence	table_collection_insert_seq	Integer	Int	yes						yes	
5	Restricted NASIS Site ID	restrictednasissiteiid	restricted_nasis_site_iid	Integer	Int	no						yes	
6	Visible When Restricted	nonrestrictedvisible	non_restricted_visible	Boolean	Bit	yes						yes	
7	Load All	loadall	load_all	Boolean	Bit	yes						yes	
8	Visible in Grid Editor	visibleingrideditor	visible_in_editor	Boolean	Bit	yes						yes	
9	Table Collection Replication Type	tablecollectreplication	table_collection_replication	Choice	Smallint	yes						yes	table_collection_replication
10	Customization Query	customizationquery	customization_query	Narrative Text	Varchar(max)	no						yes	
11	Customization Column	customtabcolliidref	customization_column_iid_ref	Integer	Int	no						yes	
12	Table Collection ID	tablecollectid	table_collection_id	Integer	Int	no						yes	
13	Pending Action	pendact	pending_action	Choice	Smallint	no						yes	pending_action
14	Pending Status	pendstat	pending_status	Choice	Smallint	no						yes	pending_status
15	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
16	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
17	Rec ID	tablecollectiid	table_collection_iid	Integer	Int	yes						yes	

Table collection data

NASIS 7.4.2 Tables and Columns

Table Physical Name: tablecollectionhist

Table Label: Table Collection History

Table Logical Name: table_collection_history

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	tablecollectiidref	table_collection_iid_ref	Integer	Int	yes						no	
2	Date	notedate	note_date	Date/Time	Datetime	no						yes	
3	Notes	notes	notes	Narrative Text	Varchar(max)	no						yes	
4	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
5	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
6	Rec ID	tablecollectnoteiid	table_collection_note_iid	Integer	Int	yes						yes	

This table records changes made to a particular Table Collection.

NASIS 7.4.2 Tables and Columns

Table Physical Name: tablecolumn

Table Label: Table Column

Table Logical Name: table_column

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	systabiidref	system_table_iid_ref	Integer	Int	yes						no	
2	System	sysiidref	system_iid_ref	Integer	Int	yes						no	
3	Default Sequence	coldefseq	column_default_sequence	Integer	Smallint	yes						yes	
4	Attribute	attiidref	attribute_iid_ref	Integer	Int	yes						yes	
5	Column Label	collab	column_label	String	Varchar	yes	80					yes	
6	Physical Data Type	colphydatatype	physical_data_type	Choice	Smallint	yes						yes	physical_data_type
7	Column Display Size	coldisplaysz	column_display_size	Integer	Int	no						yes	
8	Type of Default Value	defaulttype	default_type	Choice	Smallint	no						yes	default_type
9	Literal Default Value	colliidrefval	column_literal_default_value	String	Varchar	no	254					yes	
10	Set Default on Row Change	colsetonrowchange	column_default_row_change	Boolean	Bit	yes						yes	
11	Set Default on Object Change	colsetonobjchange	column_default_object_change	Boolean	Bit	yes						yes	
12	Aggregation	aggregation	aggregation	Choice	Smallint	yes						yes	variability_expression
13	Not Null	colnotnulbool	column_not_null_boolean	Boolean	Bit	yes						yes	
14	Calculable	colcalc	column_calculable	Boolean	Bit	yes						yes	
15	Visible	colvisible	column_visible	Boolean	Bit	yes						yes	
16	Protected Column	colprotected	column_protected	Boolean	Bit	yes						yes	
17	Unique?	colunique	column_unique	Boolean	Bit	yes						yes	
18	Business Column	colbusinessoriented	column_business_oriented	Boolean	Bit	yes						yes	
19	Sort Sequence	colsortseq	column_sort_sequence	Integer	Smallint	no						yes	
20	Sort Ascending	colsorta	column_sort_ascending	Choice	Smallint	no						yes	sort_direction
21	Sort Type	colsorttyp	column_sort_type	Choice	Smallint	no						yes	sort_type
22	Alignment	alignment	column_alignment	Choice	Smallint	no						yes	column_alignment
23	In Replication Select List	inreplicationselectlist	in_replication_select_list	Boolean	Bit	yes						yes	
24	Include in Pedon PC DM	colincludepedonpc	column_include_in_pedon_pc	Boolean	Bit	yes						yes	
25	FGDC	fgdc	fed_geo_data_cmte	Boolean	Bit	yes						yes	
26	Set Server Default Type to Identity	colsrvdeftypeidentity	column_server_identity	Boolean	Bit	yes						yes	
27	Spatial Data Type	colspatialdata	column_spatialdata	Boolean	Bit	yes						yes	
28	SRID	colsrld	column_spatial_reference_id	Integer	Int	no						yes	
29	File Content Column	filecontentcolumniidref	file_content_column_iid_ref	Integer	Int	no						yes	
30	Override Field Size	colfieldsizoverride	column_field_size_override	Integer	Int	no						yes	
31	Help Text	colhelptext	column_help_text	Narrative Text	Varchar(max)	no						yes	
32	Column ID	columnid	column_id	Integer	Int	no						yes	
33	Pending Action	pendact	pending_action	Choice	Smallint	no						yes	pending_action
34	Pending Status	pendstat	pending_status	Choice	Smallint	no						yes	pending_status
35	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
36	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
37	Rec ID	tabcoliid	table_column_iid	Integer	Int	yes						yes	

This table records and characterizes the physical columns of the tables in a particular database.

NASIS 7.4.2 Tables and Columns

Table Physical Name: tablecolumnhist

Table Label: Table Column History

Table Logical Name: table_column_history

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	tabcoliidref	table_column_iid_ref	Integer	Int	yes						no	
2	Date	notedate	note_date	Date/Time	Datetime	no						yes	
3	Notes	notes	notes	Narrative Text	Varchar(max)	no						yes	
4	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
5	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
6	Rec ID	colnoteiid	column_note_iid	Integer	Int	yes						yes	

This table records notes about issues with and changes to a particular physical column.

NASIS 7.4.2 Tables and Columns

Table Physical Name: techsoilservice

Table Label: Technical Soil Service

Table Logical Name: tech_soil_service

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Scheduled Start Date	scheduledstartdate	scheduled_start_date	Date/Time	Datetime	no						yes	
2	Scheduled Completion Date	scheduledcompletiondate	scheduled_completion_date	Date/Time	Datetime	no						yes	
3	Date Started	tssdatestarted	tss_date_started	Date/Time	Datetime	no						yes	
4	Date Completed	tssdatecompleted	tss_date_completed	Date/Time	Datetime	no						yes	
5	Tech Soil Service Type	tssiidref	tss_tiid_ref	Integer	Int	yes						yes	
6	Hours	tssimespent	tss_time_spent	Float	Real	no		1	0	500	hours	yes	
7	Instances	tssinstances	tss_instances	Integer	Smallint	yes			1			yes	
8	Provider	tssprovideruseridref	tss_provider_user_iid_ref	Integer	Int	yes						yes	
9	Recipient	tssrecipient	tss_recipient	Choice	Smallint	yes						yes	tss_recipient
10	Plans Affected	tssconsplansaffected	tss_cons_plans_affected	Integer	Int	no						yes	
11	TSS Program Benefitted	tssprogbenefittediidref	tss_program_benefitted_iid_ref	Integer	Int	yes						yes	
12	Acres Benefitted	tssacresbenefitted	tss_acres_benefitted	Integer	Int	no			1			yes	
13	People Served	tsspeopleserved	tss_people_served	Integer	Int	no			1			yes	
14	Outcome	tssoutcome	tss_outcome	Choice	Smallint	no						yes	tss_outcomes
15	Impact	tssimpact	tss_impact	Narrative Text	Varchar(max)	no						yes	
16	State FIPS	stateareaiidref	state_area_iid_ref	Integer	Int	no						yes	
17	State	stateareatypeiidref	state_area_type_iid_ref	Integer	Int	yes						no	
18	County Name	countyareaiidref	county_area_iid_ref	Integer	Int	no						yes	
19	County	countyareatypeiidref	county_area_type_iid_ref	Integer	Int	yes						no	
20	MLRA Symbol	mlraareaiidref	mlra_area_iid_ref	Integer	Int	no						yes	
21	MLRA	mlraareatypeiidref	mlra_area_type_iid_ref	Integer	Int	yes						no	
22	WGS84 Latitude DD	latstddecimaldegrees	latitude_std_decimal_degrees	Float	Decimal	no	9	7	-90	90	degrees	yes	
23	WGS84 Longitude DD	longstddecimaldegrees	longitude_std_decimal_degrees	Float	Decimal	no	10	7	-180	180	degrees	yes	
24	Latitude Degrees	latdegrees	latitude_degrees	Integer	Smallint	no			0	90	degrees	yes	
25	Latitude Minutes	latminutes	latitude_minutes	Integer	Smallint	no			0	60	minutes (lat/long)	yes	
26	Latitude Seconds	latseconds	latitude_seconds	Float	Real	no		2	0	60	seconds (lat/long)	yes	
27	Latitude Direction	latdir	latitude_direction	Choice	Smallint	no						yes	latitude_direction
28	Longitude Degrees	longdegrees	longitude_degrees	Integer	Smallint	no			0	180	degrees	yes	
29	Longitude Minutes	longminutes	longitude_minutes	Integer	Smallint	no			0	60	minutes (lat/long)	yes	
30	Longitude Seconds	longseconds	longitude_seconds	Float	Real	no		2	0	60	seconds (lat/long)	yes	
31	Longitude Direction	longdir	longitude_direction	Choice	Smallint	no						yes	longitude_direction
32	Datum Name	horizdatnm	horizontal_datum_name	Choice	Smallint	no						yes	horizontal_datum_name
33	UTM Zone	utmzone	utm_zone	Integer	Smallint	no			1	60		yes	
34	UTM Northing	utmnorthing	utm_northing	Float	Float	no		2	0	10000000	meters	yes	
35	UTM Easting	utmeasting	utm_easting	Float	Float	no		2	0	1000000	meters	yes	
36	Tech Soil Service NASIS Site	tssdbiidref	tss_database_iid_ref	Integer	Int	yes						yes	
37	NASIS Group	grpIIDref	group_iid_ref	Integer	Int	yes						yes	
38	Object Last Updated	objwIupdated	object_when_last_updated	Date/Time	Datetime	no						yes	
39	Object Last Updated By	objuseriidref	object_user_iid_ref	Integer	Int	no						yes	
40	Record When Last Updated	recwIupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
41	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
42	Rec ID	tssiid	tss_iid	Integer	Int	yes						yes	

This table provides for the recording of technical soil service activities provided to customers. To record a new service provided, a new row will be entered in the table and applicable columns populated.

NASIS 7.4.2 Tables and Columns

Table Physical Name: techsoilservicesite

Table Label: Technical Soil Service Site

Table Logical Name: tech_soil_service_site

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	tssidref	tss_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	User Site ID	siteiidref	site_iid_ref	Integer	Int	yes						yes	
4	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
5	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
6	Rec ID	tsssiteiid	tss_site_iid	Integer	Int	yes						yes	

This table lists the sites having pedons that were described during a technical soil service.

NASIS 7.4.2 Tables and Columns

Table Physical Name: techsoilservicetext

Table Label: Tech Soil Service Text

Table Logical Name: tech_soil_service_text

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	tssiidref	tss_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Date	recdate	record_date	Date/Time	Datetime	yes						yes	
4	Author	recauthor	record_author	String	Varchar	no	25					yes	
5	Kind	tsstextkind	tss_text_kind	Choice	Smallint	no						yes	tss_text_kind
6	Category	textcat	text_category	String	Varchar	no	20					yes	
7	Subcategory	textsubcat	text_subcategory	String	Varchar	no	20					yes	
8	Text Entry	textentry	text_entry	Narrative Text	Varchar(max)	yes						yes	
9	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
10	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
11	Rec ID	tsstextiid	tss_text_iid	Integer	Int	yes						yes	

This table contains text notes related to a particular technical soil service activity.

NASIS 7.4.2 Tables and Columns

Table Physical Name: techsoilservicetype

Table Label: Technical Soil Service Type

Table Logical Name: tech_soil_service_type

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Tech Soil Service Type Name	tsstname	tsst_name	String	Varchar	yes	100					yes	
2	Description	tsstdescription	tsst_description	String	Varchar	no	475					yes	
3	Notes	notes	notes	Narrative Text	Varchar(max)	no						yes	
4	Obsolete?	obterm	obsolete_term	Boolean	Bit	yes						yes	
5	Tech Soil Service Type NASIS Site	tsstdbiidref	tsst_database_iid_ref	Integer	Int	yes						yes	
6	NASIS Group	grpiidref	group_iid_ref	Integer	Int	yes						yes	
7	Object Last Updated	objwupdated	object_when_last_updated	Date/Time	Datetime	no						yes	
8	Object Last Updated By	objuseriidref	object_user_iid_ref	Integer	Int	no						yes	
9	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
10	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
11	Rec ID	tsstiid	tsst_iid	Integer	Int	yes						yes	

This table lists technical soil service activities that can be used to record TSS progress. Items recorded here serve as a lookup list for the TSS Progress table.

NASIS 7.4.2 Tables and Columns

Table Physical Name: techsoilservprogbenefit

Table Label: Technical Soil Service Program Benefitted

Table Logical Name: tech_soil_serv_prog_benefitted

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	TSS Program Benefitted Symbol	tssprogrambenefittedsym	tss_program_benefitted_sym	String	Varchar	yes	20					yes	
2	TSS Program Benefitted Name	tssprogrambenefittednm	tss_program_benefitted_name	String	Varchar	yes	128					yes	
3	Notes	notes	notes	Narrative Text	Varchar(max)	no						yes	
4	Obsolete?	obterm	obsolete_term	Boolean	Bit	yes						yes	
5	TSS Program Benefitted NASIS Site	tssprogbenefitteddbiidref	tss_prog_benefitted_db_iid_ref	Integer	Int	yes						yes	
6	NASIS Group	grpriidref	group_iid_ref	Integer	Int	yes						yes	
7	Object Last Updated	objwupdated	object_when_last_updated	Date/Time	Datetime	no						yes	
8	Object Last Updated By	objuseridref	object_user_iid_ref	Integer	Int	no						yes	
9	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
10	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
11	Rec ID	tssprogbenefittediid	tss_program_benefitted_iid	Integer	Int	yes						yes	

This table contains a listed of NRCS Programs that can be benefitted by a technical soil service (TSS) activity. It serves as a lookup table.

NASIS 7.4.2 Tables and Columns

Table Physical Name: totalquadratharvest

Table Label: Total Quadrat Harvest

Table Logical Name: total_quadrat_harvest

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	vegtransectidref	vegetation_transect_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Quadrat Nmbr	quadratnumber	quadrat_number	Integer	Int	yes			1	999		yes	
4	Transect Point Location	transectpointlocation	transect_point_location	Float	Real	no		1	0	1000	feet	yes	
5	Total Clipped Wt Fresh	quadrattotwtclippedfresh	quadrat_tot_wt_clipped_fresh	Integer	Int	yes			0		g	yes	
6	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
7	Record When Last Updated	recwlupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
8	Rec ID	totalquadratharvestiid	total_quadrat_harvest_iid	Integer	Int	yes						yes	

This table contains data about each quadrat along a transect where the whole quadrat is harvested (clipped) without separating individual species.

NASIS 7.4.2 Tables and Columns

Table Physical Name: transect

Table Label: Transect

Table Logical Name: transect

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	User Transect ID	utransectid	user_transect_id	String	Varchar	yes	60					yes	
2	Author	tsectauth	transect_author	String	Varchar	no	150					yes	
3	Kind	tsectkind	transect_kind	Choice	Smallint	no						yes	transect_kind
4	Transect Selection Method	tsectselmeth	transect_selection_method	Choice	Smallint	no						yes	transect_selection
5	Transect Delineation Size	tsectdelinsize	transect_delineation_size	Integer	Smallint	no			0		acres	yes	
6	Transect Direction	tsectdir	transect_direction	Integer	Smallint	no			0	360	degrees	yes	
7	Transect Cert Status	tsectcertstatus	transect_certification_status	Choice	Smallint	no						yes	transect_cert_status
8	Transect NASIS Site	tsectdbiidref	transect_database_iid_ref	Integer	Int	yes						yes	
9	NASIS Group	grpIIDref	group_iid_ref	Integer	Int	yes						yes	
10	Object Last Updated	objwIupdated	object_when_last_updated	Date/Time	Datetime	no						yes	
11	Object Last Updated By	objuseriidref	object_user_iid_ref	Integer	Int	no						yes	
12	Record When Last Updated	recwIupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
13	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
14	Rec ID	tsectiid	transect_iid	Integer	Int	yes						yes	

The Transect table is used to record groupings of pedons that are the stops along transects.

NASIS 7.4.2 Tables and Columns

Table Physical Name: transectestcomposition

Table Label: Transect Estimated Composition

Table Logical Name: transect_est_composition

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	tsectidref	transect_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Comp Name	compname	component_name	String	Varchar	yes	60					yes	
4	Local Phase	localphase	local_phase	String	Varchar	no	40					yes	
5	Comp Pct	comppct	component_percent	Integer	Smallint	yes			0	100	percent	yes	
6	Slope Gradient	slope	slope_gradient	Float	Real	no		1	0	999	percent	yes	
7	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
8	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
9	Rec ID	tsectestcompiid	transect_est_comp_iid	Integer	Int	yes						yes	

List of components observed in a transected map unit delineation with an ocular estimate of the percent composition of each.

NASIS 7.4.2 Tables and Columns

Table Physical Name: transectgapdetails

Table Label: Transect Gap Details

Table Logical Name: transect_gap_details

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	vegtransectidref	vegetation_transect_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Gap Nmbr	gapnumber	gap_number	Integer	Smallint	yes			1	100		yes	
4	Gap Kind	gapkind	gap_kind	Choice	Smallint	yes						yes	gap_kind
5	Gap Start Point	gapstartpoint	gap_start_point	Float	Real	yes	1	0	1000	feet	yes		
6	Gap End Point	gapendpoint	gap_end_point	Float	Real	yes	1	0	1000	feet	yes		
7	Gap Length	gaplength	gap_length	Float	Real	no	1	0.1	1000	feet	yes		
8	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
9	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
10	Rec ID	transectgapdetailsiid	transect_gap_details_iid	Integer	Int	yes						yes	

This table contains data collected along a vegetation transect pertaining to basal and canopy gaps.

NASIS 7.4.2 Tables and Columns

Table Physical Name: transectgroundcover

Table Label: Transect Ground Cover

Table Logical Name: transect_ground_cover

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	vegtransectiidref	vegetation_transect_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Ground Cover Type	groundcovertype	ground_cover_type	Choice	Smallint	yes						yes	ground_cover_type
4	Nmbr of Points	groundcoverptcount	ground_cover_point_count	Integer	Int	no			0			yes	
5	Ground Cvr Pct Points	groundcoverptpct	ground_cover_point_pct	Integer	Smallint	no			0	100	percent	yes	
6	Quadrat Size	quadratsize	quadrat_size	Float	Real	no	2	0.1	999	ft2		yes	
7	Quadrat Shape	quadratshape	quadrat_shape	Choice	Smallint	no						yes	quadrat_shape
8	Ground Cover Quadrat Avg Pct	groundcoverquadpctave	ground_cover_quad_pct_ave	Integer	Smallint	no			0	100	percent	yes	
9	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
10	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
11	Rec ID	transectgroundcoveriid	transect_ground_cover_iid	Integer	Int	yes						yes	

This table contains data pertaining to the types and amounts of different ground cover materials along a transect.

NASIS 7.4.2 Tables and Columns

Table Physical Name: transectgroundcoverdatalegacy

Table Label: Transect Ground Cover Data - Legacy

Table Logical Name: transect_gr_cov_data_legacy

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	vegtransectidref	vegetation_transect_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Quadrat Nmbr	quadratnumber	quadrat_number	Integer	Int	yes			1	999		yes	
4	Bare Ground Pct	quadratbaregrpct	quadrat_bare_ground_pct	Integer	Smallint	no			0	100	percent	yes	
5	Quadrat Canopy Cover Pct	quadratcancovpct	quadrat_canopy_cover_pct	Integer	Smallint	no			0	100	percent	yes	
6	Rock Frag Cover Pct	quadratrockfragcovpct	quadrat_rock_frag_cov_pct	Integer	Smallint	no			0	100	percent	yes	
7	Mulch Weight	quadratmulchwt	quadrat_mulch_weight	Integer	Int	no			0		g	yes	
8	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
9	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
10	Rec ID	transgrcovlegacydataiid	trans_gr_cov_legacy_data_iid	Integer	Int	yes						yes	

This table contains data pertaining to ground cover collected from individual quadrats, converted from the legacy ESIS-ESI database.

NASIS 7.4.2 Tables and Columns

Table Physical Name: transectgroundsurfcover

Table Label: Transect Ground Surface Cover

Table Logical Name: transect_ground_surface_cover

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	vegtransectiidref	vegetation_transect_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Ground Surface Cover Type	groundsurfcovtype	ground_surface_cover_type	Choice	Smallint	yes						yes	ground_surface_cover_type
4	Nmbr of Points	groundcoverptcount	ground_cover_point_count	Integer	Int	no			0			yes	
5	Ground Cover Pct Points	groundcoverptpct	ground_cover_point_pct	Integer	Smallint	no			0	100	percent	yes	
6	Quadrat Size	quadratsize	quadrat_size	Float	Real	no	2	0.1	999		ft2	yes	
7	Quadrat Shape	quadratshape	quadrat_shape	Choice	Smallint	no						yes	quadrat_shape
8	Ground Cover Pct Points Quadrats	groundcoverquadpctave	ground_cover_quad_pct_ave	Integer	Smallint	no			0	100	percent	yes	
9	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
10	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
11	Rec ID	transectgroundsurfcoveriid	transect_ground_surf_cover_iid	Integer	Int	yes						yes	

This table contains data pertaining to the types and amounts of different ground surface cover material along a transect.

NASIS 7.4.2 Tables and Columns

Table Physical Name: transectoverstorycanopycover

Table Label: Transect Overstory Canopy Cover

Table Logical Name: transect_overstory_canopy_cov

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	vegtransectiidref	vegetation_transect_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Transect Point Location	transectpointlocation	transect_point_location	Float	Real	yes		1	0	1000	feet	yes	
4	Overstory Canopy Present	overstorycanopypresent	overstory_canopy_present	Boolean	Bit	yes						yes	
5	Nmbr of Densiometer Quadrants Covered	densiometerquadscovered	densiometer_quads_covered	Integer	Int	no			0			yes	
6	Overstory Canopy Cover Pct	overstorycancovpctpoint	overstory_can_cov_pct_point	Integer	Smallint	no			0	100	percent	yes	
7	Overstory Canopy Cov Class	overstorycancovclpoint	overstory_can_cov_class_point	Choice	Smallint	no						yes	canopy_cover_class
8	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
9	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
10	Rec ID	transoverstorycancoviid	trans_overstory_canopy_cov_iid	Integer	Int	yes						yes	

This table contains data pertaining to canopy cover of overstory species collected at points along a vegetation transect.

NASIS 7.4.2 Tables and Columns

Table Physical Name: transectrefecmdoc

Table Label: Transect Reference ECM Documents

Table Logical Name: transect_ref_ecm_doc

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	tsectidref	transect_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	ECM Document Type	ecmdoctype	ecm_document_type	Choice	Smallint	no						no	document_kind
4	ECM Document Name	ecmdocname	ecm_document_name	String	Varchar	no	255					no	
5	ECM Document URL	ecmdockeyurl	ecm_document_key_url	Hyperlink	Varchar	no	138					no	
6	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
7	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						no	
8	Rec ID	transectrefecmdociid	transect_ref_ecm_doc_iid	Integer	Int	yes						no	

This table contains hyperlink(s) to document(s) stored in the Enterprise Content Management (ECM) system that are additional documentation of the specific soil transect. A separate row is entered for each document stored in the ECM. The kinds of documents that can be stored are: Audio, images, diagrams, PDF, powerpoint presentations, spreadsheets, text (plain text or other word processing program), and video.

NASIS 7.4.2 Tables and Columns

Table Physical Name: transectsamplingprotocolused

Table Label: Transect Sampling Protocol Used

Table Logical Name: transect_samp_protocol_used

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	vegtransectidref	vegetation_transect_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Protocol Name	transsampprotocolname	transect_samp_protocol_name	Choice	Smallint	yes						yes	transect_protocol
4	Transect Data Collector	datacollector	data_collector	String	Varchar	no	60					yes	
5	Data Collector	datarecorder	data_recorder	String	Varchar	no	50					yes	
6	Sampling Intensity	samplingintensity	sampling_intensity	Choice	Smallint	no						yes	sampling_intensity
7	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
8	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
9	Rec ID	transsampprotocolusediid	trans_samp_protocol_used_iid	Integer	Int	yes						yes	

This table lists the sampling protocol(s) used to collected vegetation inventory data along a vegetation transect within a vegetation plot. Protocols used for a vegetation plot as a whole are recorded in the Plot Sampling Protocol Used table.

NASIS 7.4.2 Tables and Columns

Table Physical Name: transectstandingbiomassdetails

Table Label: Transect Standing Biomass Details

Table Logical Name: transect_stand_biomass_details

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	vegtransectidref	vegetation_transect_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Quadrat Nnbr	quadratnumber	quadrat_number	Integer	Int	yes			1	999		yes	
4	Transect Point Location	transectpointlocation	transect_point_location	Float	Real	no	1	0	1000	feet		yes	
5	Quadrat Size	quadratsize	quadrat_size	Float	Real	yes	2	0.1	999	ft2		yes	
6	Quadrat Shape	quadratshape	quadrat_shape	Choice	Smallint	yes						yes	quadrat_shape
7	Herbaceous Biomass Wt Green	herbbiomasswtgreen	herb_biomass_wt_green	Integer	Int	no			1		g	yes	
8	Herbaceous Biomass Wt Air Dry	herbbiomasswtairdry	herb_biomass_wt_air_dry	Integer	Int	no			1		g	yes	
9	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
10	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
11	Rec ID	transstandbiomassdetailiid	trans_stand_biomass_detail_iid	Integer	Int	yes						yes	

This table contains data pertaining to standing biomass measurements collected from individual quadrats along a vegetation transect.

NASIS 7.4.2 Tables and Columns

Table Physical Name: transecttext

Table Label: Transect Text

Table Logical Name: transect_text

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	tsectidref	transect_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Date	recdate	record_date	Date/Time	Datetime	no						yes	
4	Author	recauthor	record_author	String	Varchar	no	25					yes	
5	Kind	transecttextkind	transect_text_kind	Choice	Smallint	no						yes	transect_text_kind
6	Category	textcat	text_category	String	Varchar	no	20					yes	
7	Subcategory	textsubcat	text_subcategory	String	Varchar	no	20					yes	
8	Text Entry	textentry	text_entry	Narrative Text	Varchar(max)	no						yes	
9	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
10	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
11	Rec ID	transecttextiid	transect_text_iid	Integer	Int	yes						yes	

The Transect Text table contains notes and narrative descriptions for this transect as a whole that cannot be described using existing data elements in other tables. In many cases, the table will be empty.

NASIS 7.4.2 Tables and Columns

Table Physical Name: tssrefecmdoc

Table Label: TSS Reference ECM Documents

Table Logical Name: tss_ref_ecm_doc

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	tssidref	tss_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	ECM Document Type	ecmdoctype	ecm_document_type	Choice	Smallint	no						no	document_kind
4	ECM Document Name	ecmdocname	ecm_document_name	String	Varchar	no	255					no	
5	ECM Document URL	ecmdockeyurl	ecm_document_key_url	Hyperlink	Varchar	no	138					no	
6	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
7	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						no	
8	Rec ID	tssrefecmdociid	tss_ref_ecm_doc_iid	Integer	Int	yes						no	

This table contains hyperlink(s) to document(s) stored in the Enterprise Content Management (ECM) system that are additional documentation of the specific technical soil service. A separate row is entered for each document stored in the ECM. The kinds of documents that can be stored are: Audio, images, diagrams, PDF, powerpoint presentations, spreadsheets, text (plain text or other word processing program), and video.

NASIS 7.4.2 Tables and Columns

Table Physical Name: uom

Table Label: Unit of Measure

Table Logical Name: unit_of_measure

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Symbol	uomsym	unit_of_measure_symbol	String	Varchar	yes	50					yes	
2	Units	uomunits	unit_of_measure_units	String	Varchar	yes	60					yes	
3	SI UOM	uomsibool	unit_of_measure_si_boolean	Boolean	Bit	yes						yes	
4	Application	uomapp	unit_of_measure_application	Narrative Text	Varchar(max)	no						yes	
5	Notes	notes	notes	Narrative Text	Varchar(max)	no						yes	
6	Obsolete?	obterm	obsolete_term	Boolean	Bit	yes						yes	
7	Unit of Measure Id	uomid	unit_of_measure_id	Integer	Int	no						yes	
8	Unit Measure NASIS Site	uomdbiidref	unit_of_measure_db_iid_ref	Integer	Int	yes						yes	
9	NASIS Group	grpIIDref	group_iid_ref	Integer	Int	yes						yes	
10	Object Last Updated By	objuseriidref	object_user_iid_ref	Integer	Int	no						yes	
11	Object Last Updated	objwIupdated	object_when_last_updated	Date/Time	Datetime	no						yes	
12	Record When Last Updated	recwIupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
13	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
14	Rec ID	uomiid	unit_of_measure_iid	Integer	Int	yes						yes	

This table records the various units of measure in which values of attributes in a particular database are recorded.

NASIS 7.4.2 Tables and Columns

Table Physical Name: usfsecllevel

Table Label: USFS Ecological Classification Level

Table Logical Name: usfs_eco_class_level

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	usfssectidref	usfs_eco_class_type_iid_ref	Integer	Int	yes						no	
2	USFS Ecological Classification Level Rank	usfsseclrank	usfs_eco_class_level_rank	Integer	Smallint	yes						yes	
3	USFS Ecological Classification Level Code	usfsseclcode	usfs_eco_class_level_code	String	Varchar	yes	4					yes	
4	USFS Ecological Classification Level Name	usfsseclname	usfs_eco_class_level_name	String	Varchar	yes	240					yes	
5	USFS Ecological Classification Level ID	usfsseclid	usfs_eco_class_level_id	String	Varchar	yes	34					yes	
6	Record When Last Updated	recw/updated	record_when_last_updated	Date/Time	Datetime	no						yes	
7	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
8	Rec ID	usfsseclid	usfs_eco_class_level_iid	Integer	Int	yes						yes	

This table records the ecological classification levels defined by the U.S. Forest Service in their Terra database. This table serves as a lookup table when recording USFS ecological classifications for a map unit or component.

NASIS 7.4.2 Tables and Columns

Table Physical Name: usfsecoclass

Table Label: USFS Ecological Classification

Table Logical Name: usfs_eco_class

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	usfseclidref	usfs_eco_class_level_iid_ref	Integer	Int	yes						no	
2	USFS Ecological Classification Set Name	usfsecsetname	usfs_eco_class_set_name	String	Varchar	yes	20					yes	
3	USFS Ecological Classification Short Name	usfsecshortname	usfs_eco_class_short_name	String	Varchar	yes	55					yes	
4	USFS Ecological Classification Name	usfsecname	usfs_eco_class_name	String	Varchar	no	240					yes	
5	USFS Ecological Classification Code	usfseccode	usfs_eco_class_code	String	Varchar	no	30					yes	
6	Obsolete?	obterm	obsolete_term	Boolean	Bit	yes						yes	
7	USFS Ecological Classification ID	usfsecid	usfs_eco_class_id	String	Varchar	yes	34					yes	
8	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
9	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
10	Rec ID	usfseciid	usfs_eco_class_iid	Integer	Int	yes						yes	

This table records the ecological classifications defined by the U.S. Forest Service in their Terra database. This table serves as a lookup table when recording USFS ecological classifications for a map unit or component.

NASIS 7.4.2 Tables and Columns

Table Physical Name: usfsectype

Table Label: USFS Ecological Classification Type

Table Logical Name: usfs_eco_class_type

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	USFS Ecological Classification Type Code	usfsectcode	usfs_eco_class_type_code	String	Varchar	yes	10					yes	
2	USFS Ecological Classification Type Name	usfsectname	usfs_eco_class_type_name	String	Varchar	yes	240					yes	
3	USFS Ecological Classification Type ID	usfsectid	usfs_eco_class_type_id	String	Varchar	yes	34					yes	
4	USFS Ecological Classification Type NASIS Site	usfsectdbiidref	usfs_ect_database_iid_ref	Integer	Int	yes						yes	
5	NASIS Group	grpIIDref	group_iid_ref	Integer	Int	yes						yes	
6	Object Last Updated	objwIupdated	object_when_last_updated	Date/Time	Datetime	no						yes	
7	Object Last Updated By	objuseriidref	object_user_iid_ref	Integer	Int	no						yes	
8	Record When Last Updated	recwIupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
9	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
10	Rec ID	usfsectiid	usfs_eco_class_type_iid	Integer	Int	yes						yes	

This table records the ecological classification types defined by the U.S. Forest Service in their Terra database. This table serves as a lookup table when recording USFS ecological classifications for a map unit or component.

NASIS 7.4.2 Tables and Columns

Table Physical Name: usfsicat

Table Label: USFS Interpretation Category

Table Logical Name: usfs_interp_category

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	USFS Interpretation Category Code	usfsicatcode	usfs_interp_category_code	String	Varchar	yes	20					yes	
2	USFS Interpretation Category Name	usfsicatname	usfs_interp_category_name	String	Varchar	yes	240					yes	
3	USFS Interpretation Category ID	usfsicatid	usfs_interp_category_id	String	Varchar	yes	34					yes	
4	USFS Interpretation Category NASIS Site	usfsicatdbiidref	usfs_interp_cat_db_iid_ref	Integer	Int	yes						yes	
5	NASIS Group	grpriidref	group_iid_ref	Integer	Int	yes						yes	
6	Object Last Updated	objwupdated	object_when_last_updated	Date/Time	Datetime	no						yes	
7	Object Last Updated By	objuseriidref	object_user_iid_ref	Integer	Int	no						yes	
8	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
9	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
10	Rec ID	usfsicatiid	usfs_interp_category_iid	Integer	Int	yes						yes	

This table records the soil interpretation categories defined by the U.S. Forest Service in their Terra database. This table serves as a lookup table when recording USFS soil interpretations for a map unit or component. A soil interpretation can be associated with one and only one interpretation category.

NASIS 7.4.2 Tables and Columns

Table Physical Name: usfsinterp

Table Label: USFS Interpretation

Table Logical Name: usfs_interp

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	usfsicatifidref	usfs_interp_category_iid_ref	Integer	Int	yes						no	
2	USFS Interpretation Code	usfsinterpcode	usfs_interp_code	String	Varchar	yes	20					yes	
3	USFS Interpretation Name	usfsinterpname	usfs_interp_name	String	Varchar	yes	240					yes	
4	USFS Interpretation Rating Class Set ID	usfsirclssetid	usfs_irclass_set_id	String	Varchar	yes	34					yes	
5	USFS Interpretation ID	usfsinterp_id	usfs_interp_id	String	Varchar	yes	34					yes	
6	Record When Last Updated	recwlastupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
7	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
8	Rec ID	usfsinterp_id	usfs_interp_iid	Integer	Int	yes						yes	

This table records the soil interpretations defined by the U.S. Forest Service in their Terra database. This table serves as a lookup table when recording USFS soil interpretations for a map unit or component.

NASIS 7.4.2 Tables and Columns

Table Physical Name: usfsirclass

Table Label: USFS Interpretation Rating Class

Table Logical Name: usfs_interp_rating_class

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	usfsinterpiidref	usfs_interp_iid_ref	Integer	Int	yes						no	
2	USFS Interpretation Rating Class Code	usfsirclscode	usfs_irating_class_code	String	Varchar	yes	5					yes	
3	USFS Interpretation Rating Class Name	usfsirclsname	usfs_irating_class_name	String	Varchar	yes	50					yes	
4	USFS Interpretation Rating Class Rank	usfsirclsrank	usfs_irating_class_rank	Integer	Smallint	no						yes	
5	Obsolete?	obterm	obsolete_term	Boolean	Bit	yes						yes	
6	USFS Interpretation Rating Class ID	usfsirclsid	usfs_irating_class_id	String	Varchar	yes	34					yes	
7	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
8	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
9	Rec ID	usfsirclassiid	usfs_irclass_iid	Integer	Int	yes						yes	

This table records the soil interpretation rating classes defined by the U.S. Forest Service in their Terra database. This table serves as a lookup table when recording USFS soil interpretations for a map unit or component. A record in this table represents one of the allowable rating classes for the corresponding soil interpretation. In the Terra database, rating classes are grouped into sets that can be associated with more than one soil interpretation. This structure could not be replicated in NASIS due to constraints that exist for how lookups are currently implemented in NASIS. Therefore the interpretation rating classes in a set that pertains to more than one soil interpretation have to be duplicated for each of those soil interpretations.

NASIS 7.4.2 Tables and Columns

Table Physical Name: usfsirestrict

Table Label: USFS Interpretation Restriction

Table Logical Name: usfs_interp_restriction

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	USFS Interpretation Restriction Code	usfsirstrctcode	usfs_irestriction_code	String	Varchar	yes	5					yes	
2	USFS Interpretation Restriction Name	usfsirstrctname	usfs_irestriction_name	String	Varchar	yes	240					yes	
3	Obsolete?	obterm	obsolete_term	Boolean	Bit	yes						yes	
4	USFS Interpretation Restriction ID	usfsirstrctid	usfs_irestriction_id	String	Varchar	yes	34					yes	
5	USFS Interpretation Restriction NASIS Site	usfsirstrctdbiidref	usfs_irestriction_db_iid_ref	Integer	Int	yes						yes	
6	NASIS Group	grpIIDref	group_iid_ref	Integer	Int	yes						yes	
7	Object Last Updated	objwIupdated	object_when_last_updated	Date/Time	Datetime	no						yes	
8	Object Last Updated By	objuserIIDref	object_user_iid_ref	Integer	Int	no						yes	
9	Record When Last Updated	recwIupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
10	Record Last Updated By	recuserIIDref	record_user_iid_ref	Integer	Int	no						yes	
11	Rec ID	usfsirstrctiid	usfs_irestriction_iid	Integer	Int	yes						yes	

This table records the soil interpretation restrictions defined by the U.S. Forest Service in their Terra database. This table serves as a lookup table when recording USFS soil interpretations for a map unit or component. A soil interpretation restriction indicates why a map unit or component is not fully suitable for a given land use. A soil interpretation restriction is not constrained to any particular soil interpretation.

NASIS 7.4.2 Tables and Columns

Table Physical Name: usgsquadrangle

Table Label: USGS Quadrangle

Table Logical Name: usgs_quadrangle

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	usgsquadrangletypeidref	usgs_quadrangle_type_iid_ref	Integer	Int	yes						no	
2	USGS Quadrangle Symbol	usgsquadranglesymbol	usgs_quadrangle_symbol	String	Varchar	yes	20					yes	
3	USGS Quadrangle Name	usgsquadranglename	usgs_quadrangle_name	String	Varchar	yes	135					yes	
4	Obsolete?	obterm	obsolete_term	Boolean	Bit	yes						yes	
5	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
6	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
7	Rec ID	usgsquadrangleiid	usgs_quadrangle_iid	Integer	Int	yes						yes	

This table provides a listing of the 7.5-minute and 15-minute USGS Topographic Quadrangles, and serves as a lookup list for the Site USGS Quadrangle Overlap table.

NASIS 7.4.2 Tables and Columns

Table Physical Name: usgsquadrangletype

Table Label: USGS Quadrangle Type

Table Logical Name: usgs_quadrangle_type

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	USGS Quadrangle Type Name	usgsquadrangletypename	usgs_quadrangle_type_name	String	Varchar	yes	45					yes	
2	USGS Quadrangle Type NASIS Site	uqtdbiidref	usgs_quad_type_db_iid_ref	Integer	Int	yes						yes	
3	NASIS Group	grpriidref	group_iid_ref	Integer	Int	yes						yes	
4	Object Last Updated	objwupdated	object_when_last_updated	Date/Time	Datetime	no						yes	
5	Object Last Updated By	objuseriidref	object_user_iid_ref	Integer	Int	no						yes	
6	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
7	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
8	Rec ID	usgsquadrangletypeiid	usgs_quadrangle_type_iid	Integer	Int	yes						yes	

This table records the types of USGS Topographic Quadrangles - 7.5 minute and 15 minute.

NASIS 7.4.2 Tables and Columns

Table Physical Name: vegplot

Table Label: Vegetation Plot

Table Logical Name: vegetation_plot

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Site/Site Obs	siteobsidref	site_observation_iid_ref	Integer	Int	yes						yes	
2	Vegetation Plot ID	vegplotid	vegetation_plot_id	String	Varchar	yes	25					yes	
3	Vegetation Plot Name	vegplotname	vegetation_plot_name	String	Varchar	no	100					yes	
4	Primary Data Collector	primarydatacollector	primary_data_collector	String	Varchar	no	60					yes	
5	Data Collection Purpose	datacollectionpurpose	data_collection_purpose	String	Varchar	no	100					yes	
6	Data Origin	vegdataorigin	vegetation_data_origin	Choice	Smallint	no						yes	vegetation_data_origin
7	Soil Profile	soilprofileindicator	soil_profile_indicator	Boolean	Bit	yes						yes	
8	Assoc	assocuserpedonid	associated_user_pedon_id	String	Varchar	no	60					yes	
9	Legacy Soil 232 ID	soil232idlegacy	soil_232_id_legacy	String	Varchar	no	15					yes	
10	A Horizon Depth	ahorizondepth	a_horizon_depth	Integer	Int	no			0	9999	cm	yes	
11	Alkaline/Saline Indicator	alkalinesalineindicator	alkaline_saline_indicator	Choice	Smallint	no						yes	alkaline_saline_indicator
12	Alkaline Affected	alkalineaffected	alkaline_affected	Boolean	Bit	yes						yes	
13	Salinity Class	salinityclass	salinity_class	Choice	Smallint	no						yes	salinity_class
14	Legacy Restrictive Layer Depth	restrictivelayerdepthlegacy	restrictive_layer_depth_legacy	Integer	Int	no			0	9999	cm	yes	
15	Legacy Soil Name	legacysoilcompname	legacy_soil_component_name	String	Varchar	no	60					yes	
16	Legacy Soil Phase	legacysoilphase	legacy_soil_phase	String	Varchar	no	60					yes	
17	Legacy Local Soil Phase	legacylocalsoilphase	legacy_local_soil_phase	String	Varchar	no	60					yes	
18	Legacy Surface Texture	legacysoilsurftext	legacy_soil_surface_texture	Choice	Smallint	no						yes	texture_class
19	Legacy Texture Modifier	legacysurftextmod	legacy_surf_texture_modifier	Choice	Smallint	no						yes	texture_modifier
20	Legacy Term In Lieu of Texture	legacyterminlieu	legacy_term_in_lieu_of_texture	Choice	Smallint	no						yes	terms_used_in_lieu_of_texture
21	Legacy Erosion Class	erosionclasslegacy	erosion_class_legacy	Choice	Smallint	no						yes	erosion_class_legacy
22	Legacy Landform Group	landformgrouplegacy	landform_group_legacy	Choice	Smallint	no						yes	landforms_legacy
23	Legacy Cryptogam Cover Class	cryptogamcovcllegacy	cryptogam_cover_class_legacy	Choice	Smallint	no						yes	cryptogam_cover_class_legacy
24	Rangeland Use History	rangelandusehistory	rangeland_use_history	Choice	Smallint	no						yes	rangeland_use_history
25	Canopy Cover Pct Ave	cancovpctplotave	canopy_cover_pct_plot_ave	Integer	Smallint	no			0	100	percent	yes	
26	Total Canopy Cover Pct	cancovtotalpct	canopy_cover_total_pct	Integer	Smallint	no			0	100	percent	yes	
27	Total Canopy Cover Class	cancovtotalclass	canopy_cover_total_class	Choice	Smallint	no						yes	canopy_cover_class
28	Total Overstory Canopy Cover Pct	overstorycancontotalpct	overstory_canopy_cov_tot_pct	Integer	Smallint	no			0	100	percent	yes	
29	Total Overstory Canopy Cover Class	overstorycancovtotalclass	overstory_canopy_cov_tot_cl	Choice	Smallint	no						yes	canopy_cover_class
30	Dbl Sampling Ave Annual Prod	dblsampannualprodave	dbl_sampling_annual_prod_ave	Integer	Int	no			0		lbs/acre	yes	
31	Comparative Yield Ave Prod	compyieldproductionave	comparative_yield_prod_ave	Integer	Int	no			0		lbs/acre	yes	
32	Total Above Ground Biomass Ave	abovegroundbiomassatotave	above_ground_biomass_tot_ave	Integer	Int	no			0		lbs/acre	yes	
33	Understory Reprod Abundance	understoryreprodabundance	understory_reprod_abundance	Choice	Smallint	no						yes	abundance_class
34	Woody Understory Abundance	woodyunderstoryabundance	woody_understory_abundance	Choice	Smallint	no						yes	abundance_class
35	Herbaceous Understory Abundance	herbunderstoryabundance	herb_understory_abundance	Choice	Smallint	no						yes	abundance_class
36	Lichens Understory Abundance	lichensunderstoryabundance	lichens_understory_abundance	Choice	Smallint	no						yes	abundance_class
37	Crown Can Closure Pct	crowncanclosurepct	crown_canopy_closure_pct	Integer	Smallint	no			0	100	percent	yes	
38	Crown Can Closure Assess Method	crowncancloseassessmethod	crown_canopy_close_assess_meth	Choice	Smallint	no						yes	assessment_method
39	LPP Crown Competition Factor	crowncompfactorlpp	crown_comp_factor_lpp	Float	Real	no		1	1	500		yes	
40	LPP Crown Competition Ave DBH	crowncomplppavedbh	crown_comp_lpp_ave_dbh	Integer	Int	no			1	360	inches	yes	
41	Basal Cover Pct Ave	basalcoverpctave	basal_cover_pct_ave	Integer	Smallint	no			0	100	percent	yes	
42	Total BA	basalareaplottotal	basal_area_plot_total	Integer	Int	no			0	500	ft2/acre	yes	
43	BA Assess Method	basalareaassessmethod	basal_area_assess_method	Choice	Smallint	no						yes	assessment_method
44	Cons Tree Shrub Grp	constreeshrubgrp	conservation_tree_shrub_group	Choice	Smallint	no						yes	conservation_tree_shrub_group

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
45	Windbreak Row 1 Direction	windbreakrowonedirection	windbreak_row_one_direction	Choice	Smallint	no						yes	windbreak_row_direction
46	Windbreak Trapped Soil Depth	windbreaktrappedsoildepth	windbreak_trapped_soil_depth	Integer	Int	no			0		cm	yes	
47	Windbreak Trapped Soil Texture	windbreaktrappedsoiltexture	windbreak_trapped_soil_texture	Choice	Smallint	no						yes	texture_class
48	Understory Description	understorydescindicator	understory_desc_indicator	Boolean	Bit	yes						yes	
49	Mensuration Data	mensurationdataindicator	mensuration_data_indicator	Boolean	Bit	yes						yes	
50	Legacy Vigor Class	vigorclasslegacy	vigor_class_legacy	Choice	Smallint	no						yes	vigor_class
51	Legacy Site Condition	siteconditionlegacy	site_condition_legacy	Integer	Smallint	no			0	100	percent	yes	
52	Legacy Overstory Species	overstoryspecieslegacy	overstory_species_legacy	String	Varchar	no	60					yes	
53	Plant Moisture State	plantmoiststate	plant_moisture_state	Choice	Smallint	no						yes	plant_moisture_state
54	Current Tree Density	currenttreedensity	current_tree_density	Integer	Int	no			1		trees/ac	yes	
55	Current Tree Spacing	currenttreespacing	current_tree_spacing	Integer	Int	no			1	200	feet	yes	
56	Current D+x Spacing	currentdxspacing	current_dx_spacing	Integer	Int	no			1	50	feet	yes	
57	Current Plot Avg DBH	currentplotavdbh	current_plot_average_dbh	Float	Real	no		1	1	360	inches	yes	
58	Basal Area Factor	plotbasalareafactor	plot_basal_area_factor	Choice	Smallint	no						yes	basal_area_factor
59	Current Basal Area	currentbasalarea	current_basal_area	Integer	Int	no			0	500	ft2/acre	yes	
60	Forest Stand Type	foreststandtype	forest_stand_type	Choice	Smallint	no						yes	forest_stand_type
61	Strata Inventoried	foreststratainventoried	forest_strata_inventoried	Choice	Smallint	no						yes	forest_strata_inventoried
62	Stand Regeneration	foreststandregen	forest_stand_regeneration	Choice	Smallint	no						yes	forest_stand_regeneration
63	Stand Quality	foreststandquality	forest_stand_quality	Choice	Smallint	no						yes	forest_stand_quality
64	Desired Tree Density	desiredtreedensity	desired_tree_density	Integer	Int	no			1	3000	trees/ac	yes	
65	Desired D+x Spacing	desireddxspacing	desired_dx_spacing	Integer	Int	no			1	50	feet	yes	
66	Desired Basal Area	desiredbasalarea	desired_basal_area	Integer	Int	no			0	500	ft2/acre	yes	
67	Excess Basal Area	excessbasalarea	excess_basal_area	Integer	Int	no			-500	500	ft2/acre	yes	
68	Excess Tree Density	excesstreedensity	excess_tree_density	Integer	Int	no						yes	
69	Stocking Change Pct	stockingchange_pct	stocking_change_pct	Integer	Smallint	no					percent	yes	
70	Tree Pct Good Condition	treepctgoodcondition	tree_pct_good_condition	Integer	Smallint	no			0	100	percent	yes	
71	Tree Pct Fair Condition	treepctfaircondition	tree_pct_fair_condition	Integer	Smallint	no			0	100	percent	yes	
72	Tree Pct Poor Condition	treepctpoorcondition	tree_pct_poor_condition	Integer	Smallint	no			0	100	percent	yes	
73	Nmbr of Trees Counted	treecounttotal	tree_count_total	Integer	Int	no			0			yes	
74	Hard Tree Snag Density	treesnagdensityhard	tree_snag_density_hard	Integer	Int	no			0		trees/ac	yes	
75	Soft Tree Snag Density	treesnagdensitysoft	tree_snag_density_soft	Integer	Int	no			0		trees/ac	yes	
76	RHI Annual Production	rhiannualprod	rhi_annual_production	Choice	Smallint	no						yes	rhi_annual_production
77	RHI Bare Ground	rhibareground	rhi_bare_ground	Choice	Smallint	no						yes	rhi_bare_ground
78	RHI Compaction Layer	rhicompactionlayer	rhi_compaction_layer	Choice	Smallint	no						yes	rhi_compaction_layer
79	RHI Func Stuct Groups	rhifuncstructgroups	rhi_functional_struct_groups	Choice	Smallint	no						yes	rhi_functional_struct_groups
80	RHI Erosion Resistance	rhierosionresistance	rhi_erosion_resistance	Choice	Smallint	no						yes	rhi_erosion_resistance
81	RHI Gullies	rhigullies	rhi_gullies	Choice	Smallint	no						yes	rhi_gullies
82	RHI Rills	rhirills	rhi_rills	Choice	Smallint	no						yes	rhi_rills
83	RHI Pedestals or Terracettes	rhipedastalterraces	rhi_pedestals Terracettes	Choice	Smallint	no						yes	rhi_pedestals Terracettes
84	RHI Infiltration and Runoff	rhiinfiltrunoff	rhi_infiltration_runoff	Choice	Smallint	no						yes	rhi_infiltration_runoff
85	RHI Litter Amount	rhilitteramount	rhi_litter_amount	Choice	Smallint	no						yes	rhi_litter_amount
86	RHI Litter Movement	rhilittermovement	rhi_litter_movement	Choice	Smallint	no						yes	rhi_litter_movement
87	RHI Plant Mortality	rhiplantmortality	rhi_plant_mortality	Choice	Smallint	no						yes	rhi_plant_mortality
88	RHI Reproductive Capability	rhireprodcapability	rhi_reproductive_capability	Choice	Smallint	no						yes	rhi_reproductive_capability
89	RHI Invasive Plants	rhiinvasiveplants	rhi_invasive_plants	Choice	Smallint	no						yes	rhi_invasive_plants
90	RHI Soil Surface Degradation	rhi soilsurfdegradation	rhi_soil_surface_degradation	Choice	Smallint	no						yes	rhi_soil_surf_degradation
91	RHI Water Flow Patterns	rhi waterflowpatterns	rhi_water_flow_patterns	Choice	Smallint	no						yes	rhi_water_flow_patterns
92	RHI Wind Scour Areas	rhiwindscourareas	rhi_wind_scour_areas	Choice	Smallint	no						yes	rhi_wind_scour_areas
93	RHI Soil Site Stability Summ	rhi soilsitestabsumm	rhi_soil_site_stab_summary	Choice	Smallint	no						yes	rhi_summary
94	RHI Biotic Integrity Summ	rhibioticintegritysumm	rhi_biotic_integrity_summary	Choice	Smallint	no						yes	rhi_summary

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
95	RHI Hydro Function Summ	rhihydrofunctionsumm	rhi_hydro_function_summary	Choice	Smallint	no						yes	rhi_summary
96	Pasture Forage Type	pastureforagetype	pasture_forage_type	String	Varchar	no	30					yes	
97	Average Pasture Stand Density	pasturestanddensityave	pasture_stand_density_ave	Integer	Smallint	no			0	100	percent	yes	
98	Average Pasture Plant Ht	pastureplanthtave	pasture_plant_height_ave	Integer	Int	no			0	100	inches	yes	
99	Average Pasture Production	pastureprodave	pasture_production_ave	Integer	Int	no			0		lbs/acre	yes	
100	PCI Desirable Plants	pcidesirableplants	pci_desirable_plants	Choice	Smallint	no						yes	pci_desirable_plants
101	PCI Plant Cover	pciplantcover	pci_plant_cover	Choice	Smallint	no						yes	pci_plant_cover
102	PCI Plant Diversity	pciplantdiversity	pci_plant_diversity	Choice	Smallint	no						yes	pci_plant_diversity
103	PCI Ground Cover Residue	pcigroundcovresidue	pci_ground_cover_residue	Choice	Smallint	no						yes	pci_ground_cover_residue
104	PCI - Standing Dead Forage	pcistandingdeadforage	pci_standing_dead_forage	Choice	Smallint	no						yes	pci_standing_dead_forage
105	PCI Plant Residue Comp Score	pciplantresiduecompscore	pci_plant_residue_comp_score	Float	Real	no		1	1	5		yes	
106	PCI Plant Vigor	pciplantvigor	pci_plant_vigor	Choice	Smallint	no						yes	pci_plant_vigor
107	PCI Legume Pct	pcilegumepctclass	pci_legume_pct_class	Choice	Smallint	no						yes	pci_legume_pct_class
108	PCI Use Uniformity	pciuseuniformity	pci_use_uniformity	Choice	Smallint	no						yes	pci_use_uniformity
109	PCI Livestock Conc Areas	pcilivestockconcareas	pci_livestock_conc_areas	Choice	Smallint	no						yes	pci_concentration_areas
110	PCI Soil Compaction	pcisoilcompaction	pci_soil_compaction	Choice	Smallint	no						yes	pci_soil_compaction
111	PCI Sheet and Rill Erosion	pcisheetrillerosion	pci_sheet_rill_erosion	Choice	Smallint	no						yes	pci_sheet_rill_erosion
112	PCI Wind Erosion	pciwinderosion	pci_wind_erosion	Choice	Smallint	no						yes	pci_wind_erosion
113	PCI Stream or Shore Erosion	pcistreamshoreerosion	pci_stream_shore_erosion	Choice	Smallint	no						yes	pci_stream_shore_erosion
114	PCI Gully Erosion	pcigullyerosion	pci_gully_erosion	Choice	Smallint	no						yes	pci_gully_erosion
115	PCI Erosion Comp Score	pcierosioncompscore	pci_erosion_comp_score	Float	Real	no		1	1	5		yes	
116	PCI Pasture Condition Score	pcipastureconditionscore	pci_pasture_condition_score	Float	Real	no		1	1	5		yes	
117	Ref Plant Community	refplantcommunity	reference_plant_community	String	Varchar	no	60					yes	
118	Representative Annual Prod	repannualprod	representative_annual_prod	Integer	Int	no			0		lbs/acre	yes	
119	Total Est Annual Prod	totestannualprod	total_estimated_annual_prod	Integer	Int	no			0		lbs/acre	yes	
120	Total Allowable Prod	totalallowableannualprod	total_allowable_annual_prod	Integer	Int	no			0		lbs/acre	yes	
121	Total Palatable Prod	totalpalatableannualprod	total_palatable_annual_prod	Integer	Int	no			0		lbs/acre	yes	
122	Similarity Index	similarityindex	similarity_index	Integer	Int	no			0	100		yes	
123	Annual Useable Prod	annualuseableprod	annual_useable_prod	Integer	Int	no			0		lbs/acre	yes	
124	Harvest Efficiency Pct	harvesteffpct	harvest_efficiency_pct	Integer	Smallint	no			25	35	percent	yes	
125	Take Half Leave Half	takehalfleavehalf	take_half_leave_half	Float	Real	no		1	0		aum/acre	yes	
126	Acres per AUM	acresperaum	acres_per_aum	Float	Real	no		1	0		acres/aum	yes	
127	AUM per acre	aumperacre	aum_per_acre	Float	Real	no		1	0		aum/acre	yes	
128	AUD per acre	audperacre	aud_per_acre	Float	Real	no		2	0		aud/acre	yes	
129	Desirable Plant Vigor	desirableplantvigor	desirable_plant_vigor	Choice	Smallint	no						yes	vigor_class
130	Desirable Seedling Abundance	desirableseedlingabundance	desirable_seedling_abundance	Choice	Smallint	no						yes	seedling_abundance
131	Decadent Plant Abundance	decadentplantabundance	decadent_plant_abundance	Choice	Smallint	no						yes	decadent_plant_abundance
132	Plant Residue Adequacy	plantresidueadequacy	plant_residue_adequacy	Choice	Smallint	no						yes	plant_residue_adequacy
133	Undesirable Invading Species	undesirableinvadingspecies	undesirable_invading_species	Choice	Smallint	no						yes	invading_plants
134	Major Invading Species	majorinvadingspecies	major_invading_species	String	Varchar	no	60					yes	
135	Invading Species Canopy Cov Pct	invadingspeciescancovpct	invading_species_can_cov_pct	Integer	Smallint	no			0	100	percent	yes	
136	Soil Surface Erosion	soilsurferosion	soil_surface_erosion	Choice	Smallint	no						yes	soil_surface_erosion
137	Soil Crusting	soilcrusting	soil_crusting	Choice	Smallint	no						yes	soil_crusting
138	Soil Compaction	soilcompaction	soil_compaction	Choice	Smallint	no						yes	soil_compaction
139	Bare Ground Pct	baregroundpct	bare_ground_pct	Integer	Smallint	no			0	100	percent	yes	
140	Gully and Rill Presence	gullyrillpresence	gully_rill_presence	Choice	Smallint	no						yes	gully_rill_presence
141	Soil Degradation	soildegradationrating	soil_degradation_rating	Choice	Smallint	no						yes	soil_degradation
142	Current Range Trend	rangetrendcurrent	range_trend_current	Choice	Smallint	no						yes	range_trend
143	Planned Range Trend	rangetrendplanned	range_trend_planned	Choice	Smallint	no						yes	range_trend
144	QC Review Person	qcreviewperson	qc_review_person	String	Varchar	no	50					yes	

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
145	QC Review Date	qcreviewdate	qc_review_date	Date/Time	Datetime	no						yes	
146	QA Review Person	qareviewperson	qa_review_person	String	Varchar	no	50					yes	
147	QA Review Date	qareviewdate	qa_review_date	Date/Time	Datetime	no						yes	
148	Legacy SWCD	swcdlegacy	swcd_legacy	String	Varchar	no	30					yes	
149	Legacy Field Office	fieldofficelegacy	field_office_legacy	String	Varchar	no	30					yes	
150	Legacy SCS or NRCS Area	nrscsarealegacy	nrcs_area_legacy	String	Varchar	no	30					yes	
151	AK Total Lichen Cover	aktotallichencoverpct	ak_total_lichen_cover_pct	Float	Real	no		1	0	100	percent	yes	
152	AK Total Litter1 Cover	aktotallitter1coverpct	ak_total_litter1_cover_pct	Float	Real	no		1	0	100	percent	yes	
153	AK Total Litter2 Cover	aktotallitter2coverpct	ak_total_litter2_cover_pct	Float	Real	no		1	0	100	percent	yes	
154	AK Total Moss Cover	aktotalmosscoverpct	ak_total_moss_cover_pct	Float	Real	no		1	0	100	percent	yes	
155	AK Total Surface Fragment Cover	aktotalrockcoverpct	ak_total_rock_cover_pct	Float	Real	no		1	0	100	percent	yes	
156	AK Total Bare Soil Cover	aktotalsoilcoverpct	ak_total_soil_cover_pct	Float	Real	no		1	0	100	percent	yes	
157	AK Total Surface Water Cover	aktotalwatercoverpct	ak_total_water_cover_pct	Float	Real	no		1	0	100	percent	yes	
158	AK Ecological Site Status	akecologicalsitestatus	ak_ecological_site_status	Choice	Smallint	no						yes	ak_ecological_site_status
159	AK Total Surface Bedrock Cover	aktotalbedrockcoverpct	ak_total_bedrock_cover_pct	Float	Real	no		1	0	100	percent	yes	
160	AK fEcosite	akfieldecositeid	ak_field_ecological_site_id	String	Varchar	no	255					yes	
161	Observation Intensity	obsintensity	observation_intensity	Choice	Smallint	no						yes	observation_intensity
162	Veg Plot NASIS Site	vegplotdbiidref	veg_plot_database_iid_ref	Integer	Int	yes						yes	
163	NASIS Group	griidref	group_iid_ref	Integer	Int	yes						yes	
164	Object Last Updated	objwlastupdated	object_when_last_updated	Date/Time	Datetime	no						yes	
165	Object Last Updated By	objuseriidref	object_user_iid_ref	Integer	Int	no						yes	
166	Record When Last Updated	recwlastupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
167	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
168	Rec ID	vegplotiid	vegetation_plot_iid	Integer	Int	yes						yes	

This table contains information about each vegetation plot and summary data collected from the plot.

NASIS 7.4.2 Tables and Columns

Table Physical Name: vegplotrefecmdoc

Table Label: Veg Plot Reference ECM Documents

Table Logical Name: veg_plot_ref_ecm_doc

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	vegplotidref	vegetation_plot_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	ECM Document Type	ecmdoctype	ecm_document_type	Choice	Smallint	no						no	document_kind
4	ECM Document Name	ecmdocname	ecm_document_name	String	Varchar	no	255					no	
5	ECM Document URL	ecmdockeyurl	ecm_document_key_url	Hyperlink	Varchar	no	138					no	
6	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
7	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						no	
8	Rec ID	vegplotrefecmdociid	veg_plot_ref_ecm_doc_iid	Integer	Int	yes						no	

This table contains hyperlink(s) to document(s) stored in the Enterprise Content Management (ECM) system that are additional documentation of the specific vegetation plot. A separate row is entered for each document stored in the ECM. The kinds of documents that can be stored are: Audio, images, diagrams, PDF, powerpoint presentations, spreadsheets, text (plain text or other word processing program), and video.

NASIS 7.4.2 Tables and Columns

Table Physical Name: vegplottext

Table Label: Vegetation Plot Text

Table Logical Name: vegetation_plot_text

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	vegplotiidref	vegetation_plot_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Date	recdate	record_date	Date/Time	Datetime	yes						yes	
4	Author	recauthor	record_author	String	Varchar	no	25					yes	
5	Kind	vegplottextkind	vegetation_plot_text_kind	Choice	Smallint	no						yes	veg_plot_text_kind
6	Category	textcat	text_category	String	Varchar	no	20					yes	
7	Subcategory	textsubcat	text_subcategory	String	Varchar	no	20					yes	
8	Text Entry	textentry	text_entry	Narrative Text	Varchar(max)	yes						yes	
9	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
10	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
11	Rec ID	vegplottextiid	vegetation_plot_text_iid	Integer	Int	yes						yes	

This table contains text notes that pertain to a vegetation plot as a whole.

NASIS 7.4.2 Tables and Columns

Table Physical Name: vegtransect

Table Label: Vegetation Transect

Table Logical Name: vegetation_transect

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	vegplotidref	vegetation_plot_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Veg Transect ID	vegtransectid	vegetation_transect_id	String	Varchar	yes	15					yes	
4	Start Latitude WGS84	transectstartlatitude	transect_start_latitude	Float	Real	no		7	-90	90	degrees	yes	
5	Start Longitude WGS84	transectstartlongitude	transect_start_longitude	Float	Real	no		7	-180	180	degrees	yes	
6	End Latitude WGS84	transectendlatitude	transect_end_latitude	Float	Real	no		7	-90	90	degrees	yes	
7	End Longitude WGS84	transectendlongitude	transect_end_longitude	Float	Real	no		7	-180	180	degrees	yes	
8	Transect Azimuth	transectazimuth	transect_azimuth	Integer	Int	no			0	360	degrees	yes	
9	Transect Length	transectlength	transect_length	Integer	Int	no			1	1000	feet	yes	
10	Start Elevation	transectstartelevation	transect_start_elevation	Float	Real	no		1	-300	8550	meters	yes	
11	End Elevation	transectendelevation	transect_end_elevation	Float	Real	no		1	-300	8550	meters	yes	
12	Nmbr of Dbl Samp Quadrats Sampled	dblsampquadratssampled	dbl_sampling_quadrats_sampled	Integer	Int	no			1			yes	
13	Nmbr of Dbl Samp Quadrats Clipped	dblsampquadratsclipped	dbl_sampling_quadrats_clipped	Integer	Int	no			1			yes	
14	Nmbr of Nested Freq Quadrats Sampled	nestedfreqquadratssampled	nested_freq_quadrats_sampled	Integer	Int	no			1			yes	
15	Nmbr of Frequency Quadrats Sampled	freqquadratssampled	frequency_quadrats_sampled	Integer	Int	no			1			yes	
16	Nmbr of DWR Quadrats Sampled	dwrquadratssampled	dwr_quadrats_sampled	Integer	Int	no			1			yes	
17	Nmbr of Daubenmire Quadrats Sampled	daubenmirequadratssampled	daubenmire_quadrats_sampled	Integer	Int	no			1			yes	
18	Dominant Quadrat Size Legacy	quadratsizedomlegacy	quadrat_size_dom_legacy	Float	Real	no		2	0.1	999	ft2	yes	
19	Secondary Quadrat Size Legacy	quadratsizeseclegacy	quadrat_size_sec_legacy	Float	Real	no		2	0.1	999	ft2	yes	
20	Dominant Quadrat Shape Legacy	quadratshapedomlegacy	quadrat_shape_dom_legacy	Choice	Smallint	no						yes	quadrat_shape
21	Secondary Quadrat Shape Legacy	quadratshapeseclgacy	quadrat_shape_sec_legacy	Choice	Smallint	no						yes	quadrat_shape
22	Belt Width	beltwidth	belt_width	Float	Real	no		1	1	30	feet	yes	
23	Dbl Sampling Annual Prod	dblsampannualprod	dbl_sampling_annual_prod	Integer	Int	no			0		lbs/acre	yes	
24	Total Harvest Annual Prod	toharvestannualprod	total_harvest_annual_prod	Integer	Int	no			0		lbs/acre	yes	
25	Weight Unit Annual Prod	wtunitannualprod	weight_unit_annual_prod	Integer	Int	no			0		lbs/acre	yes	
26	DWR Annual Prod	dwrannualprod	dwr_annual_prod	Integer	Int	no			0		lbs/acre	yes	
27	Comparative Yield Annual Prod	comparativeyieldprod	comparative_yield_prod	Integer	Int	no			0		lbs/acre	yes	
28	Total Comparative Yield Rank	comparativeyieldranktotal	comparative_yield_rank_total	Float	Real	no		1	0	999		yes	
29	Ave Comparative Yield Rank	comparativeyieldrankave	comparative_yield_rank_ave	Float	Real	no		2	0	5		yes	
30	Comparative Ref Clipped Wt Ave	comparativerefclipwtave	comparative_ref_clip_wt_ave	Float	Real	no		1	0	999	g	yes	
31	Total Above Ground Biomass	abovegroundbiomasstotal	above_ground_biomass_total	Integer	Int	no			0		lbs/acre	yes	
32	Standing Herbaceous Biomass	standingherbbiomass	standing_herb_biomass	Integer	Int	no			0		lbs/acre	yes	
33	Transect Basal Cover Pct	transectbasalcovpct	transect_basal_cover_pct	Integer	Smallint	no			0	100	percent	yes	
34	Total Basal Cover Pct	basalcovpcttotal	basal_cover_pct_total	Integer	Smallint	no			0	100	percent	yes	
35	Minimum Basal Gap Size	basalgapsizemin	basal_gap_size_minimum	Float	Real	no		1	0.1		feet	yes	
36	Minimum Canopy Gap Size	canopygapsizemin	canopy_gap_size_minimum	Float	Real	no		1	0.1		feet	yes	
37	Gaps Measured Between	gapsmeasuredbetween	gaps_measured_between	String	Varchar	no	100					yes	
38	Total Canopy Gap Length	canopygaplengthtotal	canopy_gap_length_total	Float	Real	no		1	1	1000	feet	yes	
39	Total Canopy Gap Pct	canopygappcttotal	canopy_gap_pct_total	Integer	Smallint	no			0	100	percent	yes	
40	Total Basal Gap Length	basalgaplengthtotal	basal_gap_length_total	Float	Real	no		1	1	1000	feet	yes	
41	Total Basal Gap Pct	basalgappcttotal	basal_gap_pct_total	Integer	Smallint	no			0	100	percent	yes	
42	Understory Reprod Abundance	understoryreprodabundance	understory_reprod_abundance	Choice	Smallint	no						yes	abundance_class
43	Woody Understory Abundance	woodyunderstoryabundance	woody_understory_abundance	Choice	Smallint	no						yes	abundance_class
44	Herbaceous Understory Abundance	herbundertoryabundance	herb_understory_abundance	Choice	Smallint	no						yes	abundance_class

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
45	Lichens Understory Abundance	lichensunderstoryabundance	lichens_understory_abundance	Choice	Smallint	no						yes	abundance_class
46	Transect Total Canopy Cover %	cancovpcttotaltrans	canopy_cover_total_pct_trans	Integer	Smallint	no			0		percent	yes	
47	Transect Total Canopy Cover Class	cancovtotalclasstrans	canopy_cover_total_class_trans	Choice	Smallint	no						yes	canopy_cover_class
48	Veg Transect Can Cvr Assess Method	cancovassessmethod	canopy_cover_assess_method	Choice	Smallint	no						yes	assessment_method
49	Crown Can Closure Pct	crownanclosurepct	crown_canopy_closure_pct	Integer	Smallint	no			0	100	percent	yes	
50	Veg Transect Crown Can Closure Assess Method	crownancloseassessmethod	crown_canopy_close_assess_meth	Choice	Smallint	no						yes	assessment_method
51	LPP Crown Competition Factor	crowncompfactorlpp	crown_comp_factor_lpp	Float	Real	no		1	1	500		yes	
52	LPP Crown Competition Ave DBH	crowncomplppavedbh	crown_comp_lpp_ave_dbh	Integer	Int	no			1	360	inches	yes	
53	Overstory Canopy Cover Pct	overstorycancovpcttrans	overstory_can_cov_pct_trans	Integer	Smallint	no			0	100	percent	yes	
54	Overstory Canopy Cover	overstorycancovclasstrans	overstory_can_cov_class_trans	Choice	Smallint	no						yes	canopy_cover_class
55	Gr Cover Assess Method	groundcovassessmethod	ground_cover_assess_method	Choice	Smallint	no						yes	assessment_method
56	Nmbr of Gr Cover Quadrats Sampled	groundcovquadratssampled	ground_cov_quadrats_sampled	Integer	Int	no			0			yes	
57	Nmbr of Gr Cover Points Sampled	groundcovpointssampled	ground_cov_points_sampled	Integer	Int	no			0			yes	
58	Gr Surf Cover Assess Method	groundsurfcovassessmethod	ground_surf_cov_assess_method	Choice	Smallint	no						yes	assessment_method
59	Nmbr of Gr Surf Cover Quadrats Sampled	groundsurfcovquadratsamp	ground_surf_cov_quadrats_samp	Integer	Int	no			0			yes	
60	Nmbr of Gr Surf Cover Points Sampled	groundsurfcovpointssamp	ground_surf_cov_points_sampled	Integer	Int	no			0			yes	
61	LPI Observation Interval	lpiobsinterval	lpi_observation_interval	Float	Real	no		1	0.1		feet	yes	
62	Total Nmbr of Points Sampled	totalpointssampledcount	total_points_sampled_count	Integer	Int	no			0			yes	
63	Top Canopy Ht Ave	topcanopyhtave	top_canopy_ht_ave	Float	Real	no		1	0.1		feet	yes	
64	Top Canopy Ht Std Dev	topcanopyhtstddev	top_canopy_ht_std_dev	Float	Real	no		3	0.1		feet	yes	
65	Total Nmbr Plants Belt	totalnumplantsbelt	total_number_plants_belt	Integer	Int	no			1			yes	
66	Total Nmbr Species Belt	totalnumspeciesbelt	total_number_species_belt	Integer	Int	no			1			yes	
67	Total Density Belt	totalplantdensitybelt	total_plant_density_belt	Integer	Int	no			0		plants/acre	yes	
68	Record When Last Updated	recwlastupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
69	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
70	Rec ID	vegtransectiid	vegetation_transect_iid	Integer	Int	yes						yes	

This table contains information about each vegetation transect within a vegetation plot, and summary vegetation data collected along the transect.

NASIS 7.4.2 Tables and Columns

Table Physical Name: vegtransectplantsummary

Table Label: Vegetation Transect Plant Summary

Table Logical Name: vegetation_transect_plant_summ

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	vegtransectidref	vegetation_transect_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Plant	plantidref	plant_iid_ref	Integer	Int	yes						yes	
4	Plant Nativity	plantnativity	plant_nativity	Choice	Smallint	no						yes	plant_nativity
5	Plant Type Group	planttypegroup	plant_type_group	Choice	Smallint	no						yes	plant_type
6	Height Class Lower Limit	plantheightcllowerlimit	plant_height_class_lower_limit	Float	Real	no	1	0	500	feet	yes		
7	Height Class Upper Limit	plantheightclupperlimit	plant_height_class_upper_limit	Float	Real	no	1	0	500	feet	yes		
8	Sociability Class	sociabilityclass	sociability_class	Choice	Smallint	no						yes	sociability_class
9	Ave Live Canopy Ht Bottom	specieslivecanhtbotave	species_live_canopy_ht_bot_ave	Integer	Int	no			0	500	feet	yes	
10	Ave Live Canopy Ht Top	specieslivecanhttopave	species_live_canopy_ht_top_ave	Integer	Int	no			0	500	feet	yes	
11	Overstory DBH Minimum	overstorydbhmin	overstory_dbh_minimum	Float	Real	no	1	0.1	99	inches	yes		
12	Overstory DBH Maximum	overstorydbhmax	overstory_dbh_maximum	Float	Real	no	1	0.1	360	inches	yes		
13	Overstory Canopy Cover Pct	speciesovercancovpct	species_overstory_can_cov_pct	Integer	Smallint	no			0	100	percent	yes	
14	Overstory Canopy Cover Class	speciesovercancovclass	species_overstory_can_cov_cl	Choice	Smallint	no						yes	canopy_cover_class
15	Plant Prod Quadrat Size	plantprodquadratsize	plant_prod_quadrat_size	Float	Real	no	2	0.1	999	ft2	yes		
16	Plant Prod Quadrat Shape	plantprodquadratshape	plant_prod_quadrat_shape	Choice	Smallint	no						yes	quadrat_shape
17	Nested Freq Quadrat Size	nestedfreqquadratsize	nested_freq_quadrat_size	Float	Real	no	2	0.1	999	ft2	yes		
18	Nested Freq Quadrat Shape	nestedfreqquadratshape	nested_freq_quadrat_shape	Choice	Smallint	no						yes	quadrat_shape
19	Freq Quadrat Size	frequencyquadratsize	frequency_quadrat_size	Float	Real	no	2	0.1	999	ft2	yes		
20	Freq Quadrat Shape	frequencyquadratshape	frequency_quadrat_shape	Choice	Smallint	no						yes	quadrat_shape
21	DWR Quadrat Size	dwrquadratsize	dwr_quadrat_size	Float	Real	no	2	0.1	999	ft2	yes		
22	DWR Quadrat Shape	dwrquadratshape	dwr_quadrat_shape	Choice	Smallint	no						yes	quadrat_shape
23	Density Quadrat Size	densityquadratsize	density_quadrat_size	Float	Real	no	2	0.1	999	ft2	yes		
24	Density Quadrat Shape	densityquadratshape	density_quadrat_shape	Choice	Smallint	no						yes	quadrat_shape
25	Total Clipped Wt Estimated	speciestotwtclippedest	species_tot_wt_clipped_est	Integer	Int	no			0		g	yes	
26	Total Clipped Wt Fresh	speciestotwtclippedfresh	species_tot_wt_clipped_fresh	Integer	Int	no			0		g	yes	
27	Total Clipped Wt Air Dry	speciestotwtclippedairdry	species_tot_wt_clipped_air_dry	Integer	Int	no			0		g	yes	
28	Total Wt Air Dry	speciestotwtairdry	species_tot_wt_air_dry	Integer	Int	no			0		g	yes	
29	Total Wt Estimated	speciestotwttest	species_tot_wt_est	Integer	Int	no			0		g	yes	
30	Total Wt Existing	speciestotwtexisting	species_tot_wt_existing	Integer	Int	no			0		g	yes	
31	Dry Weight Pct	speciesdrywtpct	species_dry_wt_pct	Integer	Smallint	no			0	100	percent	yes	
32	Species Total Wt	speciestotwt	species_tot_wt	Integer	Int	no			0		g	yes	
33	Dbl Sampling Ave Yield	speciesaveyielddblsamp	species_ave_yield_dbl_sampling	Integer	Int	no			0		lbs/acre	yes	
34	Dbl Sampling Composition Pct	speciescompctdblsamp	species_comp_pct_dbl_sampling	Integer	Smallint	no			0	100	percent	yes	
35	Daubenmire Composition Pct	speciescompctdaubenmire	species_comp_pct_daubenmire	Integer	Smallint	no			0	100	percent	yes	
36	Species Comp Pct Line Int	speciescompctlineintercept	species_comp_pct_line_int	Integer	Smallint	no			0	100	percent	yes	
37	Spp Trace Amount Flag	speciestraceamtflag	species_trace_amt_flag	Boolean	Bit	yes						yes	
38	Wt Conversion Factor	weightconvfactor	weight_conv_factor	Float	Real	no	2	0.01				yes	
39	Dbl Sampling Correction Factor	dblsampcorrectionfactor	dbl_sampling_correction_factor	Float	Real	no	2	0	99			yes	
40	Air Dry Wt Adjustment	airdrywtadjustment	air_dry_wt_adjustment	Float	Real	no	2	0.01	1.0			yes	
41	Utilization Adjustment	utilizationadjustment	utilization_adjustment	Float	Real	no	2	0.01	1.0			yes	
42	Growth Adjustment	growthadjustment	growth_adjustment	Float	Real	no	2	0.01	1.0			yes	
43	Weather Adjustment	weatheradjustment	weather_adjustment	Float	Real	no	2	0.01	2.0			yes	
44	Nmbr of Quadrats In	numberofquadratsin	number_of_quadrats_in	Integer	Int	no			0			yes	

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
45	Species Frequency Daubenmire	speciesfreqdaubenmire	species_freq_daubenmire	Integer	Smallint	no			0	100	percent	yes	
46	DWR 1 Tally	dwroneally	dwr_one_tally	Integer	Int	no			0	999		yes	
47	DWR 2 Tally	dwrwtotally	dwr_two_tally	Integer	Int	no			0	999		yes	
48	DWR 3 Tally	dwrthreetally	dwr_three_tally	Integer	Int	no			0	999		yes	
49	DWR Weighted Tally	dwrweightedtally	dwr_weighted_tally	Integer	Int	no			0	999		yes	
50	DWR Composition Pct	speciescomppctdwr	species_comp_pct_dwr	Integer	Smallint	no			0	100	percent	yes	
51	DWR Average Yield	speciesaveyielddwr	species_ave_yield_dwr	Integer	Int	no			0		lbs/acre	yes	
52	Wt Unit Weight	wtunitweight	weight_unit_weight	Integer	Int	no					g	yes	
53	Total Nmbr of Wt Units	wtunitcounttotal	weight_unit_count_total	Float	Real	no	2		0			yes	
54	Wt Unit Ave Yield	speciesaveyieldwtunit	species_ave_yield_weight_unit	Integer	Int	no			0		lbs/acre	yes	
55	Total Wt Unit Weight Clipped	wtunitwtclippedtotal	weight_unit_weight_clipped_tot	Integer	Int	no			0		g	yes	
56	Nmbr of Species Canopy Cover Hits	speciescancovhitcount	species_canopy_cov_hit_count	Integer	Int	no			0			yes	
57	Species Canopy Cover Pct	speciescancovpct	species_canopy_cover_pct	Integer	Smallint	no			0	100	percent	yes	
58	Species Canopy Cover Pct Ave Daubenmire	speciescancovpctavedaub	species_can_cov_ave_pct_daub	Integer	Smallint	no			0	100	percent	yes	
59	Species Canopy Cover Ave Class	speciescancovaveclass	species_canopy_cover_ave_class	Choice	Smallint	no						yes	canopy_cover_class
60	Nmbr of Species Foliar Cover Hits	speciesfoliarcovhitcount	species_foliar_cov_hit_count	Integer	Int	no			0			yes	
61	Foliar Cover Pct Line Int	speciesfoliarcovpctlineint	species_fol_cov_pct_line_int	Integer	Smallint	no			0	100	percent	yes	
62	Total Foliar Cover Line Int	species_totfoliarcovlineint	species_tot_fol_cov_line_int	Float	Real	no	1		0	1000	feet	yes	
63	Nmbr of Species Basal Cover Hits	speciesbasalcovhitcount	species_basal_cov_hit_count	Integer	Int	no			0			yes	
64	Basal Cover Pct Line Int	speciesbasalcovpctlineint	species_basal_cov_pct_line_int	Integer	Smallint	no			0	100	percent	yes	
65	Total Basal Cover Line Int	species_totbasalcovlineint	species_tot_basal_cov_line_int	Float	Real	no	1		0	1000	feet	yes	
66	Total Nmbr of Mature Plants	maturecounttotal	mature_count_total	Integer	Int	no			1			yes	
67	Average Mature Density	maturedensityave	mature_density_ave	Integer	Int	no			1	999		yes	
68	Average Mature Density Class	maturedensityaveclass	mature_density_ave_class	Choice	Smallint	no						yes	plant_density_class
69	Total Nmbr of Seedling Plants	seedlingcounttotal	seedling_count_total	Integer	Int	no			1			yes	
70	Average Seedling Density	seedlingdensityave	seedling_density_ave	Integer	Int	no			1	999		yes	
71	Average Seedling Density Class	seedlingdensityaveclass	seedling_density_ave_class	Choice	Smallint	no						yes	plant_density_class
72	Ground Cover Abundance Class	speciesgroundcovabundclass	species_ground_cov_abun_class	Choice	Smallint	no						yes	ground_cover_class
73	Pct of Total Canopy Cover	speciescancovportion	species_canopy_cov_portion	Integer	Smallint	no			0	100	percent	yes	
74	Spp BA	speciesbasalarea	species_basal_area	Integer	Int	no			1	500	ft2/acre	yes	
75	BA Assess Method	basalareaassessmethod	basal_area_assess_method	Choice	Smallint	no						yes	assessment_method
76	Record When Last Updated	recwlastupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
77	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
78	Rec ID	vegtransplantsummiid	veg_trans_plant_summ_iid	Integer	Int	yes						yes	

This table contains data about plant species found along a vegetation transect within a vegetation plot.

NASIS 7.4.2 Tables and Columns

Table Physical Name: vegtransecttext

Table Label: Vegetation Transect Text

Table Logical Name: vegetation_transect_text

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	vegtransectidref	vegetation_transect_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Date	recdate	record_date	Date/Time	Datetime	yes						yes	
4	Author	recauthor	record_author	String	Varchar	no	25					yes	
5	Kind	vegtransecttextkind	veg_transect_text_kind	Choice	Smallint	no						yes	veg_transect_text_kind
6	Category	textcat	text_category	String	Varchar	no	20					yes	
7	Subcategory	textsubcat	text_subcategory	String	Varchar	no	20					yes	
8	Text Entry	textentry	text_entry	Narrative Text	Varchar(max)	yes						yes	
9	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
10	Record Last Updated By	recuseridref	record_user_iid_ref	Integer	Int	no						yes	
11	Rec ID	vegtranstextiid	veg_transect_text_iid	Integer	Int	yes						yes	

This table contains text notes pertaining to an individual vegetation transect.

NASIS 7.4.2 Tables and Columns

Table Physical Name: vegtransmprotusedrefecmdoc

Table Label: Veg Trans Sample Protocol Ref ECM Documents

Table Logical Name: veg_trans_smp_prot_ref_ecm_doc

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	transampprotocusediidref	trans_samp_protoc_used_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			no	
3	ECM Document Type	ecmdoctype	ecm_document_type	Choice	Smallint	no						no	document_kind
4	ECM Document Name	ecmdocname	ecm_document_name	String	Varchar	no	255					no	
5	ECM Document URL	ecmdockeyurl	ecm_document_key_url	Hyperlink	Varchar	no	138					no	
6	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						no	
7	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						no	
8	Rec ID	vegtransmethoddrefecmdociid	vtrans_method_ref_ecm_doc_iid	Integer	Int	yes						no	

This table contains hyperlink(s) to document(s) stored in the Enterprise Content Management (ECM) system that are additional documentation of the specific sampling protocol used. A separate row is entered for each document stored in the ECM. The kinds of documents that can be stored are: Audio, images, diagrams, PDF, powerpoint presentations, spreadsheets, text (plain text or other word processing program), and video.

NASIS 7.4.2 Tables and Columns

Table Physical Name: windbreakrowdata

Table Label: Windbreak Row Data

Table Logical Name: windbreak_row_data

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Lineage	vegplotidref	vegetation_plot_iid_ref	Integer	Int	yes						no	
2	Seq	seqnum	sequence_number	Integer	Smallint	no			1			yes	
3	Row ID	windbreakrowid	windbreak_row_id	String	Varchar	yes	3					yes	
4	Plant	plantidref	plant_iid_ref	Integer	Int	yes						yes	
5	Nmbr of Growing Seasons	growingseasoncount	growing_season_count	Integer	Int	no			1	200		yes	
6	Species Condition	speiescondition	species_condition	Choice	Smallint	no						yes	species_condition
7	Crown Spread Left	crownspreadleft	crown_spread_left	Integer	Int	no			1		feet	yes	
8	Crown Spread Right	crownspreadright	crown_spread_right	Integer	Int	no			1		feet	yes	
9	Spacing Between Rows	spacingbetweenrows	spacing_between_rows	Integer	Int	no			1	99	feet	yes	
10	Spacing Within Row	spacingwithinrow	spacing_within_row	Integer	Int	no			1	99	feet	yes	
11	Cultivation Past	cultivationpast	cultivation_past	Choice	Smallint	no						yes	cultivation_extent
12	Cultivation Present	cultivationpresent	cultivation_present	Choice	Smallint	no						yes	cultivation_extent
13	DBH Average	speciesdbhaverage	species_diameter_breast_ht_ave	Float	Real	no		1	1	360	inches	yes	
14	Disease Kind	diseasekind	disease_kind	Choice	Smallint	no						yes	disease_kind
15	Disease Damage Degree	diseasedamagedegree	disease_damage_degree	Choice	Smallint	no						yes	damage_degree
16	Injury Kind	injurykind	injury_kind	Choice	Smallint	no						yes	injury_kind
17	Injury Damage Degree	injurydamagedegree	injury_damage_degree	Choice	Smallint	no						yes	damage_degree
18	Insect Kind	insectkind	insect_kind	Choice	Smallint	no						yes	insect_kind
19	Insect Damage Degree	insectdamagedegree	insect_damage_degree	Choice	Smallint	no						yes	damage_degree
20	Ground Cover Extent	groundcoverextent	ground_cover_extent	Choice	Smallint	no						yes	ground_cover_extent
21	Height to Live Crown Left	heightlivecrownleft	height_live_crown_left	Integer	Int	no			0	500	feet	yes	
22	Height to Live Crown Right	heightlivecrownright	height_live_crown_right	Integer	Int	no			0	500	feet	yes	
23	Survival Pct	survivalpct	survival_percent	Integer	Smallint	no			0	100	percent	yes	
24	Row Ht Average	windbreakrowhtave	windbreak_row_height_ave	Integer	Int	no			0	500	feet	yes	
25	Row Ht Max Average	windbreakrowhtmaxave	windbreak_row_height_max_ave	Integer	Int	no			0	500	feet	yes	
26	Reproduction Abundance Class	reprodabundanceclass	reproduction_abundance_class	Choice	Smallint	no						yes	reproduction_abundance_class
27	Rooting Depth Few	rootdepthfew	root_depth_few	Integer	Int	no			0	9999	cm	yes	
28	Rooting Depth Common	rootdepthcommon	root_depth_common	Integer	Int	no			0	9999	cm	yes	
29	Root Depth Many	rootdepthmany	root_depth_many	Integer	Int	no			0	9999	cm	yes	
30	Suppression Degree Left	suppressiondegreeleft	suppression_degree_left	Choice	Smallint	no						yes	suppression_degree
31	Suppression Row ID Left	suppressionrowleft	suppression_row_left	String	Varchar	no	3					yes	
32	Suppression Degree Right	suppressiondegreeright	suppression_degree_right	Choice	Smallint	no						yes	suppression_degree
33	Suppression Row ID Right	suppressionrowright	suppression_row_right	String	Varchar	no	3					yes	
34	Vital Notes	vitalnotesindicator	vital_notes_indicator	Boolean	Bit	yes						yes	
35	Within Soil Taxon Range	soiltaxonrangeindicator	soil_taxon_range_indicator	Boolean	Bit	yes						yes	
36	Notes	notes	notes	Narrative Text	Varchar(max)	no						yes	
37	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
38	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
39	Rec ID	windbreakrowdataiid	windbreak_row_data_iid	Integer	Int	yes						yes	

This table contains data collected from individual rows of a windbreak as part of a vegetation inventory.

NASIS 7.4.2 Tables and Columns

Table Physical Name: wsimportmap

Table Label: Worksheet Import Map

Table Logical Name: ws_import_map

Seq.	Column Label	Column Physical Name	Column Logical Name	Log. Data Type	Phy. Data Type	Not Null?	Size	Prec.	Min	Max	UOM	Vis?	Domain Name
1	Workbook Name	wbname	wb_name	String	Varchar	yes	60					yes	
2	Workbook Version	wbversion	wb_version	String	Varchar	yes	60					yes	
3	Worksheet Name	wsname	ws_name	String	Varchar	yes	60					yes	
4	Worksheet Import Mapping	wsimportmapping	ws_import_mapping	XML	Varchar(max)	yes						yes	
5	Worksheet Import Map NASIS Site	wsimportmapdbidref	ws_import_map_db_iid_ref	Integer	Int	yes						yes	
6	NASIS Group	grp_iidref	group_iid_ref	Integer	Int	yes						yes	
7	Object Last Updated	objwupdated	object_when_last_updated	Date/Time	Datetime	no						yes	
8	Object Last Updated By	objuseriidref	object_user_iid_ref	Integer	Int	no						yes	
9	Record When Last Updated	recwupdated	record_when_last_updated	Date/Time	Datetime	no						yes	
10	Record Last Updated By	recuseriidref	record_user_iid_ref	Integer	Int	no						yes	
11	Rec ID	wsimportmapiid	ws_import_map_iid	Integer	Int	yes						yes	

A record in this table includes the mapping between the cells in a worksheet, for a particular version of the corresponding workbook, and columns in one or more NASIS database tables. This information is input to the process that imports data from a worksheet into a local NASIS database.