

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: area

Table Label: Area

Table Logical Name: area

Column Label	Column Physical Name	Column Description
Lineage	areatypeiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Area Symbol	areasymbol	A symbol that uniquely identifies a single occurrence of a particular type of area (e.g. Lancaster Co., Nebraska is NE109).
Area Name	areaname	The name given to the specified geographic area.
Area Acres	areaacres	The acreage total of all land and water areas in the specified geographic area.
Obsolete?	obterm	Indicates whether a term is obsolete.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	areaiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: areatext

Table Label: Area Text

Table Logical Name: area_text

Column Label	Column Physical Name	Column Description
Lineage	areaiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Date	recdate	The date associated with a particular record, expressed as month, day, year—xx/xx/xxxx.
Author	recauthor	Name of the person who entered, or is responsible for, a particular record.
Kind	areatextkind	A text entry is identified by its kind, category, and subcategory. Kind is the highest division of classification. Text kind provides a grouping of text entries according to their subject matter.
Category	textcat	A text entry is identified by its kind, category, and subcategory. Category is a subdivision of kind. "Agr" and "Soi" are two categories for the text kind "Nontechnical Description".
Subcategory	textsubcat	A text entry is identified by its kind, category, and subcategory. Subcategory is a subdivision of category. For text kind "Nontechnical" description and text category "Agr", subcategory would correspond to the SSSD field "desnum".
Text Entry	textentry	The actual narrative text portion of a text entry. The other parts of a text entry are its identifiers: kind, category and subcategory.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	areatextiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: areatype

Table Label: Area Type

Table Logical Name: area_type

Column Label	Column Physical Name	Column Description
Area Type Name	areatypename	The name of a particular type of area. Area type names include "state", "county", "mlra", etc.
Area Type NASIS Site	atdbiidref	The internal ID (integer) of the NASIS Site that currently owns an object. Also known as the "owning NASIS Site ID". This value is assigned by NASIS and can only be changed by using the "Change Owner" function in NASIS.
NASIS Group	grpriidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Object Last Updated	objwupdated	The date and time the corresponding object was last updated.
Object Last Updated By	objuseriidref	The key of the NASIS user who last updated the corresponding object.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	areatypeiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: attribute

Table Label: Attribute

Table Logical Name: attribute

Column Label	Column Physical Name	Column Description
Lineage	sysiidref	An integer number that uniquely identifies a database or information system repository in a particular database.
Logical Name	attlognm	No description available.
Physical Name	attphynm	The physical (SQL) name of an attribute.
Label	attlabel	The attribute label.
Logical Data Type	attlogdattyp	No description available.
Field Size	attfldsiz	For varchar and character data elements, this is the size allocated for the data element. Can be overridden with the column field size override column.
Precision	attprec	No description available.
Unit of Measure	uomiidref	An integer number that uniquely identifies a unit of measure in a particular database.
Domain	domiidref	An integer number that uniquely identifies a domain in a particular database.
Shorter DTIQ	attshortdtiq	No description available.
Longer DTIQ	attlongdtiq	No description available.
Minimum	attmin	No description available.
Maximum	attmax	No description available.
Case Sensitive?	attcasesensitive	Indicates that the data in the column must be searched in a case sensitive manner.
Official Definition	attoffdef	No description available.
Extended Definition	attextdef	No description available.
Attribute Id	attributeid	An integer value that uniquely identifies a column in a data model, not just within a table.
Pending Action	pendact	No description available.
Pending Status	pendstat	No description available.

Column Label	Column Physical Name	Column Description
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	attiid	An integer number that uniquely identifies an attribute in a particular database.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: attributehist

Table Label: Attribute History

Table Logical Name: attribute_history

Column Label	Column Physical Name	Column Description
Lineage	attiidref	An integer number that uniquely identifies an attribute in a particular database.
Date	notedate	Date the note was entered into NASIS.
Notes	notes	Notes describing decisions, issues, or other history related to the record.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	attnoteiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: basalareatreescounted

Table Label: Basal Area Trees Counted

Table Logical Name: basal_area_trees_counted

Column Label	Column Physical Name	Column Description
Lineage	plotspeciebasalareaiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Tree ID Nmbr	treenumber	The number assigned to a particular measured tree.
Tree Height	treeheight	The height of a particular tree measured.
DBH	treediameterbreastheight	The diameter of measured tree at breast height, typically 4.5 feet above ground level. In high latitudes and high altitudes where growing conditions limit tree growth to less than one inch per years.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	basalareatreescountediid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: beltdata

Table Label: Belt Data

Table Logical Name: belt_data

Column Label	Column Physical Name	Column Description
Lineage	vegtransplantsummiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Height Class Lower Limit	planheightcllowerlimit	The lower height limit of the plant height class being described.
Height Class Upper Limit	planheightclupperlimit	The upper height limit of the plant height class being described.
Nmbr of Plants	plantcount	The number of individual plants, for a given height class of a plant species, that are rooted within the sample area.
Species Density	speciesdensity	The number of individual plants of a species per acre for the specified height group. Calculated as the number of individual plants counted within the belt area, multiplied by 43,560, divided by area (sq. feet) covered by the belt (belt width x transect length).
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	beltdataiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: belttransectsummary

Table Label: Belt Transect Summary

Table Logical Name: belt_transect_summary

Column Label	Column Physical Name	Column Description
Lineage	vegtransectiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Height Class Lower Limit	planheightcllowerlimit	The lower height limit of the plant height class being described.
Height Class Upper Limit	planheightclupperlimit	The upper height limit of the plant height class being described.
Total Nmbr of Plants	plantcounttotal	The number of individual plants, for a given height class of all plant species.
Height Class Plant Density	htclassplantdensity	The number of individual plants of all species per acre for the specified height class.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	belttranssummiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: calctext

Table Label: Calculation Text

Table Logical Name: calculation_text

Column Label	Column Physical Name	Column Description
Lineage	calciidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Date	recdate	The date associated with a particular record, expressed as month, day, year—xx/xx/xxxx.
Author	recauthor	Name of the person who entered, or is responsible for, a particular record.
Kind	calctextkind	A text entry is identified by its kind, category and subcategory. Kind is the highest division of classification. Text kind provides a grouping of text entries according to their subject matter.
Category	textcat	A text entry is identified by its kind, category, and subcategory. Category is a subdivision of kind. "Agr" and "Soi" are two categories for the text kind "Nontechnical Description".
Subcategory	textsubcat	A text entry is identified by its kind, category, and subcategory. Subcategory is a subdivision of category. For text kind "Nontechnical" description and text category "Agr", subcategory would correspond to the SSSD field "desnum".
Text Entry	textentry	The actual narrative text portion of a text entry. The other parts of a text entry are its identifiers: kind, category and subcategory.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	calctextiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: calculation

Table Label: Calculation

Table Logical Name: calculation

Column Label	Column Physical Name	Column Description
Sequence	calc_seq	An integer number used to order the sequence in which calculation/validation names are displayed in a choice list.
Name	calc_nm	The name associated with a particular calculation function.
Type	calc_type	A code that distinguishes whether a function calculates the value(s) of one or more data elements or only checks the consistency of the values between two or more data elements.
Description	calc_desc	A narrative text description of a particular calculation function.
Base Table	calc_tbl_iid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.
Script	calc	A script that specifies a particular calculation/validation procedure.
Ready to use?	dataafuse	Indicates whether or not an object is approved for use.
NASIS Site	calcdbiidref	The internal ID (integer) of the NASIS Site that currently owns an object. Also known as the "owning NASIS Site ID". This value is assigned by NASIS and can only be changed by using the "Change Owner" function in NASIS.
NASIS Group	grpdiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Object Last Updated	objwupdated	The date and time the corresponding object was last updated.
Object Last Updated By	objuseriidref	The key of the NASIS user who last updated the corresponding object.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	calc_iid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: chaashto

Table Label: Horizon AASHTO

Table Logical Name: chorizon_aashto

Column Label	Column Physical Name	Column Description
Lineage	chiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
AASHTO	aashtocl	A rating based on a system that classifies soils according to those properties that affect roadway construction and maintenance. Soils are classified into seven basic groups plus eight subgroups, for a total of fifteen for mineral soils. Another class for organic soils is used. The groups are based on determinations of particle-size distribution, liquid limit, and plasticity index. The group classification, including group index, is useful in determining the relative quality of the soil material for use in earthwork structures, particularly embankments, subgrades, subbases, and bases. (American Association of State Highway and Transportation Officials)
Representative?	rvindicator	A yes/no field that indicates if a value or row (set of values) is representative for the component.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	chaashtoiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: chconsistence

Table Label: Horizon Consistence

Table Logical Name: chorizon_consistence

Column Label	Column Physical Name	Column Description
Lineage	chiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Rupture Moist	rupresblkmt	The rupture resistance of a block-shaped specimen of 25 to 30 mm size and moist water state. (SSM)
Rupture Dry	rupresblkdry	The rupture resistance of a block-shaped specimen of 25 to 30 mm size and dry water state. (SSM)
Rupture Cement	rupresblkcem	The rupture resistance of a block-like specimen of 25 to 30 mm size that has been air dried and then submerged in water. (SSM)
Rupture Plate	rupresplate	The rupture resistance of an air dry plate-shaped specimen of specified size. (SSM)
Manner of Failure	mannerfailure	The manner in which soil specimens fail under increasing force. (SSM)
Stickiness	stickiness	The maximum capacity of thoroughly puddled soil to adhere to other objects.
Plasticity	plasticity	The degree to which a puddled, wet soil mass is permanently deformed without rupturing by a slow continuous application of force in any direction. (SSM)
Representative?	rvindicator	A yes/no field that indicates if a value or row (set of values) is representative for the component.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	chconsistiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: chdesgnsuffix

Table Label: Horizon Designation Suffix

Table Logical Name: chorizon_desgn_suffix

Column Label	Column Physical Name	Column Description
Lineage	chiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Suffix	desgnsuffix	One of the four kinds of symbols, that when concatenated, are used to distinguish different kinds of layers in soils. Letter suffixes are used to designate subordinate distinctions within master horizons, and layers using lowercase letters. (SSM)
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	chdesgnsfxiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: chfrags

Table Label: Horizon Fragments

Table Logical Name: chorizon_fragments

Column Label	Column Physical Name	Column Description
Lineage	chiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Vol Pct	fragvol	The volume percentage of the horizon occupied by the 2 mm or larger fraction (20 mm or larger for wood fragments), on a whole soil base.
Size	fragsize	Size based on the multiaxial dimensions of the fragment fraction.
Kind	fragkind	The lithology/composition of the 2 mm or larger fraction of the soil (20 mm or larger for wood fragments).
Shape	fragshp	A description of the overall shape of the fragment.
Roundness	fraground	An expression of the sharpness of edges and corners of fragments. (Sedimentary Rocks, Pettijohn, 1957)
Hardness	fraghard	The hardness of a fragment.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	chfragsiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: chhuartrefecmdoc

Table Label: Horizon Human Artifacts Reference ECM Documents

Table Logical Name: chorizon_huart_ref_ecm_doc

Column Label	Column Physical Name	Column Description
Lineage	chhuartiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
ECM Document Name	ecmdocname	The name (title) of the document being entered or retrieved from the Enterprise Content Management System.
ECM Document Type	ecmdoctype	The type of document that is in ECM. Such as, image (photo of the landscape, the soil profile, etc.), diagram (block diagram, cross-section of site, etc.), spreadsheet of some kind of data taken at the site but doesn't have a place in the NASIS point data and is not part of the KSSL measured data.
ECM Document URL	ecmdockeyurl	Unique key created by ECM when a document is uploaded into ECM. To populate this field in NASIS the user must get the key from ECM. Copy it and then paste into this NASIS field.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	chhuartrefecmdociid	NASIS automatically assigns the record ID when a new row is created and uses this number as part of an internal key to uniquely identify each record in the database. This column always has protected status and can never be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: chhuarts

Table Label: Horizon Human Artifacts

Table Logical Name: chorizon_human_artifacts

Column Label	Column Physical Name	Column Description
Lineage	chiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Vol Pct	huartvol	The volume percentage of the horizon occupied by discrete human artifacts.
Size	huartsize	The size of the described artifact, expressed in millimeters. If the artifact is nearly uniform, size is measured in the shortest dimension, such as the effective diameter of a cylinder or the thickness of a plate. For elongated or irregular bodies, size refers to the longest dimension.
Kind	huartkind	The type of object or material being described. These were 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.
Cohesion	huartco	Cohesion refers to the relative ability of the artifact to remain intact after significant disturbance.
Shape	huartshp	A description of the overall shape of the artifact.
Roundness	huartrnd	An expression of the sharpness of edges and corners of artifacts.
Penetrability	huartpen	The relative ease with which roots can penetrate the artifact and potentially extract any stored moisture, nutrients or toxic elements.
Safety	huartsafety	The degree of risk to humans from contact with these soils. Physical contact with soils containing dangerous or harmful artifacts should be avoided unless proper training and protective clothing is available.
Persistence	huartper	The relative ability of solid artifacts to withstand weathering over time.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	chhuartiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: chorizon

Table Label: Horizon

Table Logical Name: chorizon

Column Label	Column Physical Name	Column Description
Lineage	coiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Top Depth	hzdept	The distance from the top of the soil to the upper boundary of the soil horizon.
Bottom Depth	hzdepb	The distance from the top of the soil to the base of the soil horizon.
Thickness	hzthk	A measurement from the top to bottom of a soil horizon throughout its areal extent.
Designation	hzname	The concatenation of three kinds of symbols (four data elements) used in various combinations to designate layers within the soil. (SSM)
Disc	desgndisc	One of four kinds of symbols, when concatenated, are used to distinguish different kinds of layers in soils. A discontinuity is a significant change in particle-size distribution or mineralogy that indicates a difference in the material from which the horizons formed and/or a significant difference in age, unless that difference in age is indicated by the suffix "b". (SSM)
Master	desgnmaster	One of four kinds of symbols, that when concatenated, are used to distinguish different kinds of layers in soils. Master horizons and layers are the base symbols to which other characters are added to complete the designations. Capital letters, virgules (/), the word 'and', and carets (^) are used. (SSM)
Prime	desgnmasterprime	A character used to indicate that this horizon has an identical horizon designation as some overlying horizon. The two horizons in question are separated by at least one other horizon.
Sub	desgnvert	The fifth of the five data elements, that when concatenated, are used to distinguish different kinds of layers in soils. Vertical subdivisions are used to subdivide a horizon or layer which is designated by a single letter or combination of letters, i.e. the tx of Btx. Vertical subdivisions, the fifth data element but the fourth field in the Pedon Horizon table, are indicated by using an integer that has a minimum value of one. A simple example would be 2Bt2. In many soil profiles the prime character is often absent, so the example would be 2Bt2. The fifth symbol then becomes the fourth character used.
Rep Tex Mod and Class	texturerv	Name for the representative concatenation of texture modifier and texture class. Calculated from the Horizon Texture Group table.
Horizon Type	horztype	Identifies if the horizon is a dry organic surface horizon, commonly referred to as duff layers. Dry organic surface horizons meet the criteria for organic soil materials as defined in the Keys to Soil Taxonomy and are not saturated with water. Specifically, they have a representative horizon texture group containing the terms spm, mpm, or hpm. They exclude all horizons from soil components in the Histosols order, soil components that contain the folis or histic terms in the taxonomic subgroup, soil components that contain the histels term in the taxonomic suborder, or soil components

Column Label	Column Physical Name	Column Description
		that contain the histoturbels term in the taxonomic great group. Soil Survey Staff. 2022. Keys to Soil Taxonomy, 13th ed. USDA-Natural Resources Conservation Service.
Total Fragment Volume	fragvoltot	The total volume percentage of the horizon occupied by the 2 mm or larger fraction (20 mm or larger for wood fragments), on a whole soil base.
Rock >10	fraggt10	The percent by weight of the horizon occupied by rock fragments greater than 10 inches in size.
Rock 3 to 10	frag3to10	The percent by weight of the horizon occupied by rock fragments 3 to 10 inches in size.
Total Human Artifact Volume	huartvoltot	The total volume percentage of the horizon occupied by discrete human artifacts.
#4	sieveno4	Soil fraction passing a number 4 sieve (4.70mm square opening) as a weight percentage of the less than 3 inch (75mm) fraction.
#10	sieveno10	Soil fraction passing a number 10 sieve (2.00mm square opening) as a weight percentage of the less than 3 inch (76.4mm) fraction.
#40	sieveno40	Soil fraction passing a number 40 sieve (0.42mm square opening) as a weight percentage of the less than 3 inch (76.4mm) fraction.
#200	sieveno200	Soil fraction passing a number 200 sieve (0.074mm square opening) as a weight percentage of the less than 3 inch (76.4mm) fraction.
Total Sand	sandtotal	Mineral particles 0.05mm to 2.0mm in equivalent diameter as a weight percentage of the less than 2 mm fraction.
VCOS	sandvc	Mineral particles 1.0mm to 2.0mm in equivalent diameter as a weight percentage of the less than 2 mm fraction.
COS	sandco	Mineral particles 0.5mm to 1.0mm in equivalent diameter as a weight percentage of the less than 2 mm fraction.
MS	sandmed	Mineral particles 0.25mm to 0.5mm in equivalent diameter as a weight percentage of the less than 2 mm fraction.
FS	sandfine	Mineral particles 0.10 to 0.25mm in equivalent diameter as a weight percentage of the less than 2 mm fraction.
VFS	sandvf	Mineral particles 0.05 to 0.10mm in equivalent diameter as a weight percentage of the less than 2 mm fraction.
Total Silt	silttotal	Mineral particles 0.002 to 0.05mm in equivalent diameter as a weight percentage of the less than 2.0mm fraction.
Coarse Silt	siltco	Mineral particles ranging in size from 0.02mm to 0.05mm in equivalent diameter as a weight percentage of the less than 2.0mm fraction.
Fine Silt	siltfine	Mineral particles ranging in size from 0.002 to 0.02mm in equivalent diameter as a weight percentage of the less than 2.0mm fraction.
Total Clay	claytotal	Mineral particles less than 0.002mm in equivalent diameter as a weight percentage of the less than 2.0mm fraction.
CaCO3 Clay	claysizedcarb	Carbonate particles less than 0.002mm in equivalent diameter as a weight percentage of the less than 2.0mm fraction.
Mica Kind	micakind	The mineralogical kind of mica present.
Mica 0.02 to 0.25 mm	micaveryfinepct	The percentage, on a weight basis, of the 0.02 to less than 2 mm fraction of the soil comprised of mica in the 0.02 to less than 0.25 mm size range. This value is computed by converting grain counts from lab analysis using the following

Column Label	Column Physical Name	Column Description
		procedure. (% mica of the 0.02 to <0.25 mm fraction by grain count) x (% by weight of the 0.02 to <2 mm fraction) / 100 = % mica, converted. If multiple size fractions are counted in the lab, a weighted average of the individual counts is used for the percent mica in the 0.02 to <0.25 mm fraction.
Mica 0.25 to 2 mm	micafinepct	The percentage, on a weight basis, of the 0.02 to less than 2 mm fraction of the soil comprised of mica in the 0.25 to less than 2 mm size range. This value is computed by converting grain counts from lab analysis using the following procedure. (% mica of the 0.25 to <2 mm fraction by grain count) x (% by weight of the 0.02 to <2 mm fraction) / 100 = % mica, converted. If multiple size fractions are counted in the lab, a weighted average of the individual counts is used for the percent mica in the 0.25 to <2 mm fraction.
OM	om	The amount by weight of decomposed plant and animal residue expressed as a weight percentage of the less than 2 mm soil material.
Rubbed Fiber Pct	fiberrubbedpct	The proportion of organic soil material that is composed of fibers, reported as a percent by volume of the less than 20 mm fraction after rubbing between the thumb and fingers.
Unrubbed Fiber Pct	fiberunrubbedpct	The proportion of organic soil material composed of fibers, reported as a percent by volume of the less than 20 mm fraction before rubbing between thumb and fingers.
Db 0.33 bar H2O	dbthirdbar	The oven dry weight of the less than 2 mm soil material per unit volume of soil at a water tension of 1/3 bar.
Db satiated	bdsatiated	Bulk density, satiated (pbsat) is the oven-dry weight of the less than 2 mm soil material per unit volume of soil at a water tension of 0 bar. The measurement is only used for subaqueous soils. (NSSH Part 618.9)
Db oven dry	dbovendry	The oven dry weight of the less than 2 mm soil material per unit volume of soil exclusive of the desiccation cracks, measured on a coated clod.
Dp	partdensity	Mass per unit of volume (not including pore space) of the solid soil particle either mineral or organic. Also known as specific gravity.
Ksat	ksat	The ease with which pores of a saturated soil transmit water. Formally, the proportionality coefficient that expresses the relationship of the rate of water movement to hydraulic gradient in Darcy's Law, a law that describes the rate of water movement through porous media. Commonly abbreviated as "Ksat". Expressed micrometers per second. To convert micrometers per second to inches per hour, multiply micrometers per second by 0.1417.
AWC	awc	The amount of water that an increment of soil depth, inclusive of fragments, can store that is available to plants. AWC is expressed as a volume fraction, and is commonly estimated as the difference between the water contents at 1/10 or 1/3 bar (field capacity) and 15 bars (permanent wilting point) tension and adjusted for salinity, and fragments.
0.1 bar H2O	wtenthbar	The volumetric content of soil water retained at a tension of 1/10 bar (10 kPa), expressed as a percentage of the whole soil.
0.33 bar H2O	wthirdbar	The volumetric content of soil water retained at a tension of 1/3 bar (33 kPa), expressed as a percentage of the whole soil.
15 bar H2O	wfifteenbar	The volumetric content of soil water retained at a tension of 15 bars (1500 kPa), expressed as a percentage of the whole soil.
Satiated H2O	wsatiated	The estimated volumetric soil water content at or near zero bar tension, expressed as a percentage of the whole soil.

Column Label	Column Physical Name	Column Description
LL	ll	The water content of the soil at the change between the liquid and plastic states. Values less than 14 cannot be measured and are assigned a zero in the database. The zero indicates a non-plastic soil.
PI	pi	The numerical difference between the liquid limit and plastic limit.
LEP	lep	The linear expression of the volume difference of natural soil fabric at 1/3 or 1/10 bar water content and oven dryness. The volume change is reported as percent change for the whole soil.
AASHTO Group Index	aashind	The empirical group index formula devised for approximately within-group evaluation of the "clayey granular materials" and the "silty-clay materials".
Kw	kwfact	An erodibility factor which quantifies the susceptibility of soil particles to detachment and movement by water for the whole soil (includes rock fragments). This factor is adjusted for the effect of rock fragments expressed in ton.acre.hr (hundreds of acre.foot.tonf.inch)-1.
Kf	kffact	An erodibility factor which quantifies the susceptibility of soil particles to detachment by water for the fine earth portion of the soil (excludes rock fragments) expressed in ton.acre.hr (hundreds of acre.foot.tonf.inch)-1.
CaCO3	caco3	The quantity of Carbonate (CO3) in the soil expressed as CaCO3 and as a weight percentage of the less than 2 mm size fraction.
Gypsum	gypsum	The percent by weight of hydrated calcium sulfate in the less than 20 mm fraction of soil.
SAR	sar	A measure of the amount of Sodium (Na) relative to Calcium (Ca) and Magnesium (Mg) in the water extract from saturated soil paste. (Soil Survey Staff (2004, method 4F3b)
ESP	esp	The fraction of the cation exchange capacity of a soil that is occupied by sodium ions, expressed as a percent.
EC	ec	The electrical conductivity of an extract from saturated soil paste.
EC 1:5 by volume	ec15	The electrical conductivity of an extract from a 1:5 volumetric dilution of soil to water.
CEC7	cec7	The amount of readily exchangeable cations that can be electrically adsorbed to negative charges in the soil, soil constituent, or other material, at pH 7.0, as estimated by the ammonium acetate method. Previously reported as meq/100 g which is equivalent to cmol+/kg.
ECEC	ecec	The sum of NH4OAc extractable bases plus KCl extractable aluminum. Previously reported as meq/100 g which is equivalent to cmol+/kg.
Sum of Bases	sumbases	The sum of NH4OAc extractable bases (pH 7.0), reported on less than 2mm base. Previously reported as meq/100 g which is equivalent to cmol+/kg.
pH 1:1 water	ph1to1h2o	The negative common logarithm of the hydrogen ion activity in the soil using the 1:1 soil-water ratio method. A numerical expression of the relative acidity or alkalinity of a soil sample. (SSM)
pH .01M CaCl2	ph01mcac12	The negative common logarithm of the hydrogen ion activity in the soil, using the 0.01M CaCl2 method, in a 1:2 soil:solution ratio. A numerical expression of the relative acidity or alkalinity of a soil sample. (SSM)
pH Oxidized	phoxidized	The negative common logarithm of the hydrogen ion activity in the soil using the oxidized pH method. It is used as an indicator of the presence of sulfidic materials. This is the final pH measured after several moist/dry cycles when using

Column Label	Column Physical Name	Column Description
		SSIR51V1-7.1.3.1 Hydrogen Peroxide Test, Delta pH test for Acid Sulfate Soils.
Free Iron	freeiron	The secondary iron oxides such as goethite, hematite, ferrihydrite, lepidocrocite and maghemite. This form of iron may occur as discrete particles, as coatings on other particles, or as cementing agents between soil mineral grains. It is iron extracted by dithionite-citrate.
Oxalate Fe	feoxalate	The amount of ammonium oxalate extractable iron in the less than 2mm fraction. It is considered a measure of noncrystalline iron in the soil.
Extr Acidity	extracid	A measure of soil exchangeable hydrogen ions that may become active by cation exchange. Previously reported as meq/100 g which is equivalent to cmol+/kg.
Extract Al	extral	The amount of aluminum extracted in 1 normal potassium chloride which approximates the exchangeable Al, and is a measure of the active acidity present in soils with a 1:1 water pH less than 5.5. It relates to the immediate lime requirement and the CEC of the soil. The following laboratory method is applied: 55 ml of 1 normal potassium chloride is extracted through 2.5 g of soil sample. The extract is analyzed by use of an atomic adsorption spectrometer or similar instrument (SSIR #1, method 6G9a and NSSH). Previously reported as meq/100 g which is equivalent to cmol+/kg.
Oxalate Al	aloxalate	The amount of ammonium oxalate extractable aluminum in the less than 2mm fraction. This is an estimate of the total pedogenic aluminum, much of which may be in noncrystalline material, or complexed by organic matter.
Monosulfide Presence	rmonosulfidep	An indicator of the presence of reduced monosulfides in the soil as indicated by a soil color change within 10 seconds following the addition of 3 percent hydrogen peroxide (H2O2) solution. The color change is usually an increase in value by 2 or more units.
Bray 1 Phos	pbray1	The amount of phosphorous in the less than 2mm fraction, that is extractable using the Bray P-1 method. The extraction solution is a combination of hydrochloric acid (HCl) and ammonium fluoride (NH4F). In general, this method is most successful on near neutral to acid soils. It represents the plant available phosphorous content.
Oxalate Phos	poxalate	The amount of phosphorous in the less than 2mm fraction, that is extractable by ammonium oxalate method. The ammonium oxalate extraction method is not a conventional P extraction method but derives from selective dissolution of soil iron forms. With acid ammonium oxalate, poorly crystalline Fe is dissolved, which includes ferrihydrite and Fe associated with soil organic matter.
Water Soluble Phos	ph2osoluble	The amount of water soluble phosphorous in the less than 2mm fraction, that is extractable by distilled water. It represents the mobile phosphorous content.
Total Phos	ptotal	The estimate of the total phosphorous content of the soil, measured after total dissolution of a size fraction of the soil material. It is reported as a gravimetric percent oxide of the size fraction used.
NZ Phos Retention	nzpretention	The phosphorous retention capacity, measured as a gravimetric percent, of the soil as determined by the New Zealand P Retention method. Phosphorous retention of soil material is used as a taxonomic criterion for andic soil properties. Andisols and other soils that contain large amounts of allophane and other amorphous minerals have capacities for binding P. Phosphate retention is also called P adsorption, sorption, or fixation. The value is reported as percent P retained in the soil.
Excav Difficulty	excavdifcl	An estimation of the difficulty of working an excavation into soil layers, horizons, pedons, or geologic layers. In most instances, excavation difficulty is related to and controlled by a water state.

Column Label	Column Physical Name	Column Description
Excav Difficulty Moisture	excavdifms	The soil moisture status for which the excavation difficulty class is assigned for the individual component.
Db 15 bar H2O	dbfifteenbar	The oven dry weight of the less than 2 mm soil material per unit volume of soil at a water tension of 15 bar.
Db 0.1 bar H2O	dbtenthbar	The oven dried weight of the less than 2 mm soil material per unit volume of soil at a water tension of 1/10 bar.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	chiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: chorrrefecmdoc

Table Label: Chorizon Reference ECM Documents

Table Logical Name: chorizon_ref_ecm_doc

Column Label	Column Physical Name	Column Description
Lineage	chiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
ECM Document Name	ecmdocname	The name (title) of the document being entered or retrieved from the Enterprise Content Management System.
ECM Document Type	ecmdoctype	The type of document that is in ECM. Such as, image (photo of the landscape, the soil profile, etc.), diagram (block diagram, cross-section of site, etc.), spreadsheet of some kind of data taken at the site but doesn't have a place in the NASIS point data and is not part of the KSSL measured data.
ECM Document URL	ecmdockeyurl	Unique key created by ECM when a document is uploaded into ECM. To populate this field in NASIS the user must get the key from ECM. Copy it and then paste into this NASIS field.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	chorrefecmdociid	NASIS automatically assigns the record ID when a new row is created and uses this number as part of an internal key to uniquely identify each record in the database. This column always has protected status and can never be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: chpores

Table Label: Horizon Pores

Table Logical Name: chorizon_pores

Column Label	Column Physical Name	Column Description
Lineage	chiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Quantity	poreqty	The number of a selected size of pores per unit area of undisturbed soils.
Size	poresize	The average diameter of a pore. (SSM)
Continuity	porecont	Average vertical distance through which the minimum diameter of the pore exceeds 0.5mm when the soil layer is moist or wetter.
Shape	poreshp	A description of the multiaxial shape of the pore.
Representative?	rvindicator	A yes/no field that indicates if a value or row (set of values) is representative for the component.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	chporesiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: chstruct

Table Label: Horizon Structure

Table Logical Name: chorizon_structure

Column Label	Column Physical Name	Column Description
Lineage	chstructgrpiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Structure Grade	structgrade	The distinctness of the peds described in terms of ease of separation into discrete units.
Structure Size	structsize	Measurement of the smallest dimension of the selected secondary particles, units, or peds.
Type	structtype	The multiaxial shape of secondary particles, units, or peds.
Structure ID	structid	A row ID assigned by a user to identify a particular row in a table.
Parts to Structure ID	structpartsto	Field to indicate if the previous record parts to the current record.
Record When Last Updated	recwlupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	chstructiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: chstructgrp

Table Label: Horizon Structure Group

Table Logical Name: chorizon_structure_group

Column Label	Column Physical Name	Column Description
Lineage	chiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Structure	structgrpname	The narrative description of the soil structure within a soil horizon.
Representative?	rvindicator	A yes/no field that indicates if a value or row (set of values) is representative for the component.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	chstructgrpiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: chtext

Table Label: Horizon Text

Table Logical Name: chorizon_text

Column Label	Column Physical Name	Column Description
Lineage	chiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Date	recdate	The date associated with a particular record, expressed as month, day, year—xx/xx/xxxx.
Author	recauthor	Name of the person who entered, or is responsible for, a particular record.
Kind	chorizontextkind	A text entry is identified by its kind, category, and subcategory. Kind is the highest division of classification. Text kind provides a grouping of text entries according to their subject matter.
Category	textcat	A text entry is identified by its kind, category, and subcategory. Category is a subdivision of kind. "Agr" and "Soi" are two categories for the text kind "Nontechnical Description".
Subcategory	textsubcat	A text entry is identified by its kind, category, and subcategory. Subcategory is a subdivision of category. For text kind "Nontechnical" description and text category "Agr", subcategory would correspond to the SSSD field "desnum".
Text Entry	textentry	The actual narrative text portion of a text entry. The other parts of a text entry are its identifiers: kind, category and subcategory.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	chtextiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: chtexture

Table Label: Horizon Texture

Table Logical Name: chorizon_texture

Column Label	Column Physical Name	Column Description
Lineage	chtgiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Texture	texcl	An expression, based on the USDA system of particle sizes, for the relative portions of the various size groups of individual mineral grains less than 2mm equivalent diameter in a mass of soil.
In Lieu	lieutex	Substitute terms applied to materials that do not fit into a textural class because of organic matter content, size, rupture resistance, solubility, or another reason.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	chtiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: chtexturegrp

Table Label: Horizon Texture Group

Table Logical Name: chorizon_texture_group

Column Label	Column Physical Name	Column Description
Lineage	chiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Tex Mod and Class	texture	Name for the concatenation of TEXTURE_MODIFIER and TEXTURE_CLASS.
Stratified Flag	stratextsflag	A Boolean flag that when set (Y) indicates that the textures that comprise a particular texture group, are stratified.
Representative?	rvindicator	A yes/no field that indicates if a value or row (set of values) is representative for the component.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	chtgiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: chtexturemod

Table Label: Horizon Texture Modifier

Table Logical Name: chorizon_texture_modifier

Column Label	Column Physical Name	Column Description
Lineage	chtiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Modifier	texmod	A term used to denote the presence of a condition or component other than sand, silt, or clay.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	chtexmodiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: chunified

Table Label: Horizon Unified

Table Logical Name: chorizon_unified

Column Label	Column Physical Name	Column Description
Lineage	chiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Unified	unifiedcl	A system for classifying mineral and organo-mineral soils for engineering purposes based on particle size characteristics, liquid limit, and plasticity index.
Representative?	rvindicator	A yes/no field that indicates if a value or row (set of values) is representative for the component.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	chunifiediid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: climatestation

Table Label: Climate Station

Table Logical Name: climate_station

Column Label	Column Physical Name	Column Description
Lineage	siteobsiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Climate Station ID	climstaid	The station identifier. This is assigned by the responsible agency. This identifier uniquely identifies a climate station.
Climate Station Name	climstanm	The full descriptive name of the station as recognized by the agency responsible for the station.
Climate Station Type	climstatype	The type of the weather station, U.S. Official or Other.
Climate Station WGS84 Latitude DD	latstddecimaldegrees	Standardized latitude value in decimal degrees, in geographic coordinate system, WGS84 datum. Values are either auto-populated from GPS, or computed from original latitude coordinates using standard conversion algorithms.
Climate Station WGS84 Longitude DD	longstddecimaldegrees	Standardized longitude value in decimal degrees, in geographic coordinate system, WGS84 datum. Values are either auto-populated from GPS, or computed from original longitude coordinates using standard conversion algorithms.
Climate Station Elevation	elev	The vertical distance from mean sea level to a point on the earth's surface.
Distance From Climate Station	distancefromclimstation	The distance, in meters, from the weather station used to the pedon.
Direction From Climate Station	directionfromclimstation	The direction, in degrees, from the weather station to the site.
Climate Station URL	climatestationurl	The URL link to the website of the Climate Station ID as recorded. Allows the user to get additional information for the Climate Station.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.

Column Label	Column Physical Name	Column Description
Rec ID	climatestationiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: This table holds metadata about the Climate Station.

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: cocanopycover

Table Label: Component Canopy Cover

Table Logical Name: component_canopy_cover

Column Label	Column Physical Name	Column Description
Lineage	coiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Canopy Cover Pct	plantcov	Percent of coverage (canopy) attributed to a specific plant species.
Local Plant	lplantiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	cocanopycoviid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: cocropyld

Table Label: Component Crop Yield

Table Logical Name: component_crop_yield

Column Label	Column Physical Name	Column Description
Lineage	coiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Crop Name	cropname	The common name for the crop.
Units	yldunits	Crop yield units per unit area for the specified crop.
Nirr Yield	nonirryield	The expected yield per acre of the specific crop without supplemental irrigation.
Irr Yield	irryield	The expected yield per acre of the specific crop with irrigation.
Crop Productivity Index	cropprodindex	An index of the capacity of a soil to produce a specific plant under a defined management system.
VA Soil Prod Grp	vasoiprdgrp	Crop specific groupings of soils indicating potential yields under a high level of management.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	cocropyldiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: codiagfeatrefecmdoc

Table Label: Component Diagnostic Features Reference ECM Documents

Table Logical Name: component_diagfeat_ref_ecm_doc

Column Label	Column Physical Name	Column Description
Lineage	codiagfeatiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
ECM Document Name	ecmdocname	The name (title) of the document being entered or retrieved from the Enterprise Content Management System.
ECM Document Type	ecmdoctype	The type of document that is in ECM. Such as, image (photo of the landscape, the soil profile, etc.), diagram (block diagram, cross-section of site, etc.), spreadsheet of some kind of data taken at the site but doesn't have a place in the NASIS point data and is not part of the KSSL measured data.
ECM Document URL	ecmdockeyurl	Unique key created by ECM when a document is uploaded into ECM. To populate this field in NASIS the user must get the key from ECM. Copy it and then paste into this NASIS field.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	codiagfeatrefecmdociid	NASIS automatically assigns the record ID when a new row is created and uses this number as part of an internal key to uniquely identify each record in the database. This column always has protected status and can never be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: codiagfeatures

Table Label: Component Diagnostic Features

Table Logical Name: component_diagnostic_features

Column Label	Column Physical Name	Column Description
Lineage	coiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Top Depth	featdept	The distance from the top of the soil to the upper boundary of the identified diagnostic horizon or to the upper limit of the occurrence of the diagnostic feature.
Bottom Depth	featdepb	The distance from the top of the soil to the base of the identified diagnostic horizon or to the lower limit of the occurrence of the diagnostic feature.
Thickness	featthick	The distance from the upper to lower boundary of the identified diagnostic horizon or feature.
Kind	featkind	Kind of diagnostic horizon or diagnostic feature in the soil.
Record When Last Updated	recwlupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	codiagfeatid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: coecosite

Table Label: Component Ecological Site

Table Logical Name: component_ecological_site

Column Label	Column Physical Name	Column Description
Lineage	coiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Ecological Site	ecositeiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Representative Ecological Site?	repecosite	Indicates whether or not a particular ecological site is representative for a particular component. Only one ecological site may be representative for a component.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Rec ID	coecositeiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: coecositehist

Table Label: Component Ecological Site History

Table Logical Name: component_ecological_site_hist

Column Label	Column Physical Name	Column Description
Lineage	coecositeiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Correlation Kind	ecositecorrelationkind	The type of correlation decision made concerning the ecological site of a component.
Correlation Event	ecositecorrelationevent	The outcome of a correlation event.
Note Date	notedate	Date the note was entered into NASIS.
Notes	notes	Notes describing decisions, issues, or other history related to the record.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Rec ID	coecositehistiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: coeplants

Table Label: Component Existing Plants

Table Logical Name: component_existing_plants

Column Label	Column Physical Name	Column Description
Lineage	coiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Local Plant	lplantiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Understory Comp Pct	forestunprod	The percentage of total annual site production attributed to the specific forest understory plant, expressed as percent of total air dry plant material by weight.
Range Comp Pct	rangeprod	The percentage of total annual site production attributed to the specific rangeland plant, expressed as percent of total air dry plant material by weight.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	coeplantsiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: coerosionacc

Table Label: Component Erosion Accelerated

Table Logical Name: component_erosion_accelerated

Column Label	Column Physical Name	Column Description
Lineage	coiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Kind	erokind	The type of detachment and removal of surface soil particles as largely affected by human activities. (SSM)
Representative?	rvindicator	A yes/no field that indicates if a value or row (set of values) is representative for the component.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	coeroacciid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: coforprod

Table Label: Component Forest Productivity

Table Logical Name: component_forest_prod

Column Label	Column Physical Name	Column Description
Lineage	coiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Local Plant	lplantiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Site Index Curve	siteindexcurveiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Site Index	siteindex	The height in feet of the dominant or dominant and co-dominant trees at some index age, except for the pinyon-juniper forest type, for which site index is determined by basal area.
Site Index Std Deviation	siteindexstddev	The standard deviation of the plot site index measurements. The site index standard deviation (SD) provides a measure of the statistical dispersion of the plot site index data. This data element would only be populated if there are three or more plots. A SD of 10 or less signifies that the desired maximum range of dispersion has been met. If the SD is more than 10, then either more plots are suggested to bring it down to 10 or less, the need for a class-determining phase is warranted to bring SD to 10 or less, or the soil has a naturally wide dispersion (National Forestry Manual, part 537.33)
Productivity CMAI	fprodcmal	The annual growth of forest overstory tree species expressed in ft ³ /ac/yr.
Productivity CMAI Age	fprodage	The tree age at which the culmination of mean annual increment (CMAI - cubic feet / acre year) is reached. Culmination of mean annual increment as stored in NASIS is the point in the growth cycle of a tree or stand at which the mean annual increment for volume is at a maximum (National Forestry Manual, Appendix - Terminology).
MN Prod Index	mnfprodindex	An index of forest productivity, by species, as determined by guidelines developed within the state of Minnesota.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.

Column Label	Column Physical Name	Column Description
Rec ID	cofprodiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: coforprodo

Table Label: Component Forest Productivity - Other

Table Logical Name: component_forest_prod_other

Column Label	Column Physical Name	Column Description
Lineage	cofprodiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Site Index Curve	siteindexcurveiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Site Index	siteindex	The height in feet of the dominant or dominant and co-dominant trees at some index age, except for the pinyon-juniper forest type, for which site index is determined by basal area.
Productivity	fprod	The annual growth of forest overstory tree species.
Units	fprodunits	The unit of measure in which the annual productivity of forest overstory tree species is expressed.
Record When Last Updated	recwlupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	cofprodoiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: cogeomordesc

Table Label: Component Geomorphic Description

Table Logical Name: component_geomorph_desc

Column Label	Column Physical Name	Column Description
Lineage	coiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Representative?	rvindicator	A yes/no field that indicates if a value or row (set of values) is representative for the component.
Geomorphic Feature	geomfiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Feature Modifier	geomfmod	A user specified term(s) used in association with geomorphic features to further define, clarify, and describe the setting of a soil in the landscape. The terms may, for example, describe relative position, mode of formation, degree of degradation, slope, or geologic time of origin.
Feature ID	geomfeatid	An integer ID assigned by the user to identify a particular geomorphic feature row in a table.
Exists on Feature ID	existsonfeat	An integer referring to a feature ID number of another row in the same table, intended to indicate that one geomorphic feature exists on another feature.
Record When Last Updated	recwlupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	cogeomdiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: cohydcrit

Table Label: Component Hydric Criteria

Table Logical Name: component_hydric_criteria

Column Label	Column Physical Name	Column Description
Lineage	coiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Hydric Criterion	hydriccriterion	Criterion code for the soil characteristic(s) and/or feature(s) that cause the map unit component to be classified as a "hydric soil." These codes are the paragraph numbers in the hydric soil criteria publication.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	cohydcritiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: coinundationtype

Table Label: Component Inundation Type

Table Logical Name: component_inundation_type

Column Label	Column Physical Name	Column Description
Lineage	coiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Inundation Type	inundationtype	Indicates the type of inundation process.
Representative?	rvindicator	A yes/no field that indicates if a value or row (set of values) is representative for the component.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	coinundationtypeiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: columnlookup

Table Label: Column Lookup

Table Logical Name: column_lookup

Column Label	Column Physical Name	Column Description
Lineage	tabcoliidref	An integer number that uniquely identifies a column in a particular database.
Display Sequence	displayseq	The left to right sequence in which lookup columns in a related table should be displayed.
Branch	branch	An integer value used to distinguish on branch of a column lookup from another. Both branches must share the same relationship or set of relationships from the foreign key table to that table's drill down parent table, in the case of a drill down relationship, or to that table/s immediate lookup table in the case of a lookup relationship.
Relationship	relationshipiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Display Column	displaytabcoliidref	An integer value that uniquely identifies a column in a data model. In this case a column that should be displayed in lieu of a foreign key.
Column Label Override	displaycolumnlabel	The label that should be displayed for a column in a lookup choice list and when that column is displayed in lieu of a foreign key.
Display Only in Choice List?	choicelistonly	A Boolean value that indicates whether or not the corresponding column should be displayed in a choice list but not be displayed in lieu of the corresponding foreign key in a table once a selection has been made. This switch can be used to include an obsolete indicator in a choice list but exclude that column from being displayed in the related table itself.
Pending Action	pendact	No description available.
Pending Status	pendstat	No description available.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	columnlookupiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: Column lookup data

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: columnlookuphist

Table Label: Column Lookup History

Table Logical Name: column_lookup_history

Column Label	Column Physical Name	Column Description
Lineage	columnlookupiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Date	notedate	Date the note was entered into NASIS.
Notes	notes	Notes describing decisions, issues, or other history related to the record.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	collookupnoteiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: comonth

Table Label: Component Month

Table Logical Name: component_month

Column Label	Column Physical Name	Column Description
Lineage	coiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Month	month	One of the twelve months of the year.
Flooding Frequency Class	flodfreqcl	The annual probability of a flood event (inundation by flowing water), expressed as a class. (SSM).
Flooding Duration Class	floddurcl	Average duration of inundation per flood occurrence and expressed as a class. (NSSH)
Ponding Frequency	pondfreqcl	The annual probability of a ponding event (inundation by standing water), expressed as a class.
Ponding Duration	ponddurcl	The average duration, or length of time, of the ponding occurrence. (NSSH)
Ponding Depth	ponddep	The depth of surface water that is ponding on the soil.
Daily Precip	dlyavgprecip	The daily average precipitation for the referenced month. Commonly calculated as the total precipitation for the month divided by the number of days in the month. (February nominally has 28 days).
Daily ET	dlyavgpotet	Daily average potential evapotranspiration for the referenced month.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	comonthiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: comparativeyielddata

Table Label: Comparative Yield Data

Table Logical Name: comparative_yield_data

Column Label	Column Physical Name	Column Description
Lineage	vegtransectiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Yield Rank	yieldrank	A numeric value that estimates production of the quadrat being evaluated compared to the five clipped reference quadrats for the transect (located in "Reference Quadrats" table). Values range from zero to five, zero being no yield and five being high-yield.
Tally Count	tallycount	The numeric count of quadrats that were found to have production comparable to the reference for the specific yield rank along the transect.
Rank X Tally	rankxtally	This is a calculation of the weighted ranking for the transect by taking the tally count (number of quadrats tallied for each ranking totaled) multiplied by the ranking.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	compyielddataiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: comparativeyieldrefquadrats

Table Label: Comparative Yield Reference Quadrats

Table Logical Name: comparative_yield_ref_quadrats

Column Label	Column Physical Name	Column Description
Lineage	vegtransectiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Ref Yeild Rank	refyieldrank	The identifier of each reference yield rank quadrat associated with a transect that indicate increasing levels of production. Five reference quadrats are subjectively located, clipped and weighed. Reference 1 is assigned to the lowest yielding, and Reference 5 assigned to the highest yielding quadrat.
Quadrat Size	quadratsize	The total area of the vegetation quadrat used.
Quadrat Shape	quadratshape	The shape of the quadrat used. Most common shapes are rectangular and circular.
Clipped Weight	clippedwtrefquadrat	The fresh (green) clipped weight in grams of the particular reference quadrat.
Conversion Factor	compyldconvfactor	The conversion factor used to get lbs/ac from grams per the area unit, used in the reference quadrats.
Record When Last Updated	recwlupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	compyldrefquadiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: compgeomorphdescrefecmdoc

Table Label: Component Geomorphic Description Reference ECM Documents

Table Logical Name: comp_geomorph_desc_ref_ecm_doc

Column Label	Column Physical Name	Column Description
Lineage	cogeomdiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
ECM Document Type	ecmdoctype	The type of document that is in ECM. Such as, image (photo of the landscape, the soil profile, etc.), diagram (block diagram, cross-section of site, etc.), spreadsheet of some kind of data taken at the site but doesn't have a place in the NASIS point data and is not part of the KSSL measured data.
ECM Document Name	ecmdocname	The name (title) of the document being entered or retrieved from the Enterprise Content Management System.
ECM Document URL	ecmdockeyurl	Unique key created by ECM when a document is uploaded into ECM. To populate this field in NASIS the user must get the key from ECM. Copy it and then paste into this NASIS field.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	cogeomrefecmdociid	NASIS automatically assigns the record ID when a new row is created and uses this number as part of an internal key to uniquely identify each record in the database. This column always has protected status and can never be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: component

Table Label: Component

Table Logical Name: component

Column Label	Column Physical Name	Column Description
Lineage	dmuiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Comp Pct	comp_pct	The percentage of the component of the mapunit.
Comp Name	compname	Name assigned to a component based on its range of properties.
Local Phase	localphase	Phase criterion to be used to help uniquely identify soil components or pedons. These are terms such as "drained", "eroded", etc.
Taxon Kind	compkind	Identifies the kind of component of the mapunit. Examples are series and miscellaneous areas.
Major Component?	majcompflag	Indicates whether or not a component is a major component in the mapunit.
Slope Gradient	slope	The difference in elevation between two points, expressed as a percentage of the distance between those points. (SSM)
Slope Length USLE	sloplenuse	The distance from the point of origin of overland flow to the point where either the slope gradient decreases enough that deposition begins, or the runoff water enters a well-defined channel that may be part of a drainage network or a constructed channel. (Predicting Rainfall Erosion Losses a Guide to Conservation Planning, Agr. Handbook #537, USDA, 1978).
Local Runoff Class	runoff	Runoff potential class for the soil, assigned based on local/state/MLRA criteria.
T	tfact	Soil loss tolerance factor. The maximum amount of erosion at which the quality of a soil as a medium for plant growth can be maintained.
WEI	wei	A value in tons/acre/year that is a factor in calculating soil loss by wind. The values are acquired from WEG.
WEG	weg	Grouping of soils that have similar properties affecting their resistance to soil blowing in cultivated areas. The groups indicate the susceptibility to soil blowing.
Erosion Class	erocl	Class of accelerated erosion. (SSM)
Cover Kind 1	earthcovkind1	The primary dominant land cover. Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012
Cover Kind 2	earthcovkind2	The secondary dominant land cover. Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012

Column Label	Column Physical Name	Column Description
Hydric Condition	hydricon	Natural condition of the soil component.
Hydric Rating	hydricrating	A field that indicates whether or not a map unit component is classified as a "hydric soil". If rated as hydric, the specific criteria met are listed in the Component Hydric Criteria table.
Drainage Class	drainagecl	Identifies the natural drainage conditions of the soil and refers to the frequency and duration of wet periods. An example of a drainage class is well drained.
Hydrology Status	hydrologystatus	An indicator of whether or not the natural hydrology of the soil has been significantly modified by human activity.
Elevation	elev	The vertical distance from mean sea level to a point on the earth's surface.
Aspect Counter Clockwise	aspectccwise	One end of the range in characteristics for the slope aspect of a component. This end of the range is expressed in degrees measured clockwise from true north, and is the end of the range that is counter-clockwise from the representative slope aspect.
Aspect Representative	aspectrep	The common, typical, or expected direction toward which the surface of the soil faces, expressed as an angle between 0 and 360 degrees measured clockwise from true north.
Aspect Clockwise	aspectcwise	One end of the range in characteristics for the slope aspect of a component. This end of the range is expressed in degrees measured clockwise from true north, and is the end of the range that is clockwise from the representative slope aspect.
Albedo Dry	albedodry	The estimated ratio of the incident short-wave (solar) radiation that is reflected by the air dry, less than 2 mm fraction of the soil surface.
MAAT	airtempa	The arithmetic average of the daily maximum and minimum temperatures for a calendar year taken over the standard "normal" period, 1961 to 1990.
MAP	map	The arithmetic average of the total annual (liquid) precipitation taken over the standard "normal" period, 1961-1990.
REAP	reannualprecip	An estimate of the amount of moisture available for plant use and/or soil forming processes at a given site. It may vary, plus or minus, from "actual" precipitation amounts as a function of runoff, temperature, aspect, etc.
Frost Free Days	ffd	The expected number of days between the last freezing temperature (0 degrees Celsius) in spring (Jan-Jul) and the first freezing temperature (0 degrees Celsius) in the fall (Aug-Dec). The number of days is based on the probability that the values for the standard "normal" period of 1961 to 1990 will be exceeded in 5 years out of 10.
MAST	soiltempa	The mean annual soil temperature (MAST) at a depth of 50 cm below the soil surface, or at the upper boundary of a root-limiting layer as defined in Soil Taxonomy, whichever is shallower.
MAWT	watertempa	The mean annual water temperature at or near the water/soil contact in a subaqueous soil setting.
Nirr LCC	nirrcapcl	The broadest category in the land capability classification system for nonirrigated soils.
Nirr Subcl	nirrcapscl	The second category in the land capability classification system for nonirrigated soils.
Nirr LCU	nirrcapunit	The third category in the land capability classification system for nonirrigated soils.

Column Label	Column Physical Name	Column Description
Irr LCC	irrcapcl	The broadest category in the land capability classification system for irrigated soils.
Irr Subcl	irrcapscl	The second category in the land capability classification system for irrigated soils.
Irr LCU	irrcapunit	The third category in the land capability classification system for irrigated soils.
Cons Tree Shrub Grp	constreeshrubgrp	The identifier for a particular Conservation Tree Shrub Group (CTSG) which that is associated with a soil map unit component or vegetation inventory plot. A CTSG is a physiographic unit or area having similar climatic and edaphic characteristics that control the selection and height of growth of trees and shrubs (National Forestry Manual).
Range Prod	rsprod	The estimated annual potential production of range forage per year.
Ord Species Obsolete	lplantiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Soil Slip Pot	soilslippot	The possibility that a mass of soil will slip when these conditions are met: 1) vegetation is removed, 2) soil water is at or near saturation, and 3) other normal practices are applied. Increasing the hazard of slippage but not considered in this rating are: 1) the undercutting lower portions or loading the upper parts of a slope or 2) altering the drainage or offsite water contribution to the site such as through irrigation.
Frost Action	frostact	An interpretation rating of the susceptibility of the soil to frost heaving.
Init Subsid	initsub	The decrease of surface elevation that occurs within the first 3 years of drainage of wet soils having organic layers or semifluid mineral layers. (NSSH)
Total Subsid	totalsub	The potential decrease of surface elevation as a result of the drainage of wet soils having organic layers or semifluid mineral layers. (NSSH)
Hydrologic Group	hydgrp	A group of soils having similar runoff potential under similar storm and cover conditions. Examples are A and A/D. (NSSH)
Corrosion Concrete	corcon	Susceptibility of concrete to corrosion when in contact with the soil.
Corrosion Steel	corsteel	Susceptibility of uncoated steel to corrosion when in contact with the soil.
Taxonomic Class	taxclname	A concatenation of the Soil Taxonomy subgroup and family for a soil (long name).
Order	taxorder	The highest level in Soil Taxonomy.
Suborder	taxsuborder	The second level of Soil Taxonomy. The suborder is below the order and above the great group.
Great Group	taxgrtgroup	The third level of Soil Taxonomy. The category is below the suborder and above the subgroup.
Subgroup	taxsubgrp	The fourth level of Soil Taxonomy. The subgroup is below great group and above family.
Particle Size	taxpartsize	Particle-size classes are used as family differentiae. Particle-size refers to grain-size distribution of the whole soil and is not the same as texture. (Soil Taxonomy).

Column Label	Column Physical Name	Column Description
Particle Size Mod	taxpartsizemod	Taxonomic family criteria that is used to indicate the presence of more than two strongly contrasting classes in the particle size control section. (Soil Taxonomy)
CEC Activity Class	taxceactcl	Cation exchange activity classes are used as family criteria differentiae. It is the relative cation exchange (CEC) activity level of the soil based on the CEC to clay ratio. (Soil Taxonomy)
Reaction	taxreaction	Indicates the presence or absence of carbonates and the reaction. They are treated together because of their intimate relationship, and are used to indicate family differentiae. (Soil Taxonomy)
Tax Family Temp Class	taxtempcl	The taxonomic family temperature class used to construct the official classification name. It may be null when the taxonomic family temperature class is embedded in the classification name. The actual taxonomic temperature regime is recorded in another place.
HAHT Material Class	taxfamhahatmatcl	Human-altered and human-transported material classes are used as family differentiae. They are intended to provide useful information on the behavior and interpretations for use of soils formed in human-altered or human-transported material (Keys to Soil Taxonomy).
Moist Subclass	taxmoistscl	Soil moisture subclasses identify soil moisture regime intergrades or extragrades, except for "typic", and are taxonomic subgroup criteria whether included or not in the name of the subgroup. The definition of each subclass is dependent upon the specific taxonomic great group to which it is attached.
Temp Regime	taxtempregime	Soil temperature regime as defined in Soil Taxonomy.
Keys to Taxonomy Edition Used	soiltaxedition	The edition of Keys to Soil Taxonomy used to classify the soil.
CA Storie Index	castorieindex	The California Storie Index expresses numerically the relative degree of suitability of a soil for general intensive agricultural uses at the time of evaluation. The rating is based on soil characteristics only and is obtained by evaluating such factors as soil depth, texture of the surface soil, subsoil characteristics, and surface relief. Storie, R. Earl and Walter W. Weir. 1948. Manual for identifying and classifying California soil series. With 1958 Supplement, revised 1978. Associated Students Store, University of California, Berkley, California.
CT Wetland	ctwetland	A field designating whether or not the map unit component qualifies as a CT Inland Wetland Soil as defined by Connecticut statutes.
FL Ecol Comm Nmbr	flecolcomnum	Numbers correspond to the NRCS printed publication "26 Ecological Communities of Florida" 1995. This publication is based on the awareness that a soil type commonly supports a specific vegetative community, which in turn provides the habitat needed by specific wildlife species.
FL Leach Pot	floilleachpot	The potential of the soil to allow chemicals to leave the application site by leaching through the soil, as used in Florida state law. Soils with a rating of High or Medium are considered to pose a potential leaching hazard.
FL Runoff Pot	floirunoffpot	The potential of the soil to allow chemicals to leave the application site with runoff water and/or detached soil particles, as defined for use in Florida. Soils with a rating of High or Medium are considered to pose a potential runoff hazard.
FL Temik	fltemik2use	The following soil related use restrictions for Temik 10G (aldicarb) exits if the pesticide is to be applied to citrus in Florida. Temik cannot be used within 1000 feet of a drinking water well unless it is known that the well is cased to 100 feet below ground level or to a minimum of 30 feet below the water table in soils that have: 1. A permeability of twenty inches/hour or more (very rapid permeability) and 2. A water holding capacity of less than 0.06 inch/inch of soil (very low water

Column Label	Column Physical Name	Column Description
		holding capacity)—in all horizons to a depth of 80 inches or to bedrock if bedrock is within 80 inches of the surface. The choice indicates that if a component has soil properties, according to state labeling, favorable for the application of the pesticide Temik 10G, the entry is Yes. If the component does not have favorable properties the entry is No.
FL Triumph	fltriumph2use	Soil related use restrictions for Triumph 4E Insecticide are applicable in certain conditions in Florida. Please note the label for the conditions. The soil related conditions are as follows: 1. A permeability of six inches/hour or more (rapid or very rapid permeability) and 2. A water holding capacity of 0.10 inch/inch of soil or less (low or very low water holding capacity)—in all horizons to a depth of 80 inches or to bedrock if bedrock is within 80 inches of the surface. The choice indicates that if a component has soil properties, according to state labeling, favorable for the application of the pesticide Triumph 4E Insecticide (trademark), the entry is Yes. If the component does not have favorable properties the entry is No.
IA Subsoil P	iasubsoilp	The amount of plant available phosphorus, as determined by the Bray method, in the subsoil expressed in parts per million and based on the weighted average of air-dried samples from the subsoil (30-42 inch depth). The value listed for complexes is the most limiting value of the soils identified in the map unit name (i.e., Colo = M and Ely = L; Colo-Ely complex = L).
IA Subsoil K	iasubsoilk	The amount of plant available potassium, as determined by the ammonium acetate method, in the subsoil expressed in parts per million and based on the weighted average of air-dried samples from the subsoil (12-24 inch depth). The value listed for complexes is the most limiting value of the soils identified in the map unit name (i.e., Colo = VL+ and Ely = L; Colo-Ely complex = VL+).
IN Drainage Grp	indraingrp	A group of soils that share similar recommendations for drainage whether the drainage is subsurface or surface. (Agronomy Guide, ID-160 - Purdue University)
MI Soil Mgmt Grp	misoimgmtgrp	A system for ranking soils for major uses, developed by Michigan State University. Soils are assigned to a group according to the dominant profile texture, the natural drainage class, and the management groups are listed in the same order as the series named in the complex. (Mokma, D.L., E.P. Whiteside, and J.F. Schneider. 1978. Soil Management Units in Land Use Planning. Mich. State Univ., Ext. Bull. E-1262, 12 pp.
USFS Component Concept	usfscompconcept	A narrative description of what the corresponding component represents, from a conceptual point of view.
VA Soil Mgmt Grp	vasoimgtgrp	A system for ranking soils in Virginia for productivity estimates. Developed by VPI&SU. See Virginia Agronomic Land Use Evaluation System (VALUES) 1993.
Flooding Type	floodtype	The type of event that causes flooding of the soil.
Flooding Frequency Class	coflodfreqcl	The annual probability of a flood event (inundation by flowing water), expressed as a class. (SSM).
Flooding Duration Class	cofloddurcl	Average duration of inundation per flood occurrence and expressed as a class. (NSSH)
Ponding Frequency Class	copondfreqcl	The annual probability of a ponding event (inundation by standing water), expressed as a class.

Column Label	Column Physical Name	Column Description
Ponding Duration Class	coponddurcl	The average duration, or length of time, of the ponding occurrence. (NSSH)
SIR phase - obsolete	otherph	Phase criterion other than slope, texture, and flooding used to identify soil components.
FL HE	flhe	A data element with a yes/no entry, assigned by soil component, used in Florida. It is used to identify highly erodible land.
FL PHE	flphe	A data element with a yes/no entry, assigned by soil component, used in Florida. The basis for identifying highly erodible land is the erodibility index of a soil survey map unit. The erodibility index of a soil is determined by dividing the potential erodibility for each soil survey map unit by the soil loss tolerance (T) value established for the soil. The potential erodibility for a map unit differs according to the erosion type (water or wind erosion). The T value represents the maximum annual rate of soil erosion that could take place without causing a decline in long-term productivity. A soil map unit with an erodibility index of 8 or more is a highly erodible soil map unit. For water erosion, a soil survey map unit is potentially highly erodible if: (1) the RKLS/T value using the minimum LS factor is less than 8 and (2) the RKLS/T value using the maximum LS factor is equal to or greater than 8. (Predicting Rainfall Erosion Losses; A Guide to Conservation Planning, Field Office Technical Guide, Nat. FSA Handbook Sec. 511.23, and Florida Erosion Control Handbook)
Windbreak Suitability (Obsolete)	wndbrksuitgrp	A grouping for selecting plant species best suited for different kinds of soils and for predicting height growth and effectiveness. (National Forestry Manual)
Conifer Habitat	wlconiferous	Suitability of the soil to produce the wildlife element coniferous trees.
Grain Habitat	wlgrain	Suitability of the soil to produce the wildlife element grain.
Grass Habitat	wlgrass	Suitability of the soil to produce the wildlife element grass.
Hardwood Habitat	wlhardwood	Suitability of the soil to produce the wildlife element hardwood trees.
Herbaceous Habitat	wlherbaceous	Suitability of the soil to produce the wildlife element herbaceous plants.
Openland Wildlife	wlopenland	Suitability of the soil to support the habitat requirements for openland wildlife.
Rangeland Wildlife	wlrangeland	Suitability of the soil to support the habitat requirements for rangeland wildlife.
Water Habitat	wlshallowwat	Suitability of the soil to support the wildlife habitat element shallow water.
Shrub Habitat	wlshrub	Suitability of the soil to produce the wildlife element shrub.
Wetland Wildlife	wlwetland	Suitability of the soil to support the habitat elements for wetland wildlife.
Wetland Habitat	wlwetplant	Suitability of the soil to produce the wildlife habitat element wetland plant.

Column Label	Column Physical Name	Column Description
Woodland Wildlife	wlwoodland	Suitability of the soil to produce the habitat elements for woodland wildlife.
IN NO3 Leach Index	innitrateleachi	A number which reflects annual precipitation, rainfall distribution, and hydrologic group. The system allows comparison of the amount of nitrate which could be leached in percolating water. The numbers were obtained from the Midwest National Technical Center and are used in Indiana.
Prod Index	cropprodindex	An index of the capacity of a soil to produce a specific plant under a defined management system.
Miscellaneous Area	miscellaneousarea	This attribute was added as a non-visible column in table "component" so that its corresponding domain, "miscellaneous_areas" would be downloaded to a NASIS client database.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	coiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: coothvegclass

Table Label: Component Other Vegetative Classification

Table Logical Name: component_other_veg_class

Column Label	Column Physical Name	Column Description
Lineage	coiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Other Veg Class	ovegcliidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	coovegcliid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: copedon

Table Label: Component Pedon

Table Logical Name: component_pedon

Column Label	Column Physical Name	Column Description
Lineage	coiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Pedon	peiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Representative?	rvindicator	A yes/no field that indicates if a value or row (set of values) is representative for the component.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	copedoniid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: copm

Table Label: Component Parent Material

Table Logical Name: component_parent_material

Column Label	Column Physical Name	Column Description
Lineage	copmgrpiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Vertical Order	pmorder	The sequence in which the parent material occurs, when more than one parent material exists for one soil profile. If only one parent material occurs for a soil, i.e. no lithologic discontinuities, no entry is required.
Top Depth	pmdept	The distance from the top of the soil to the upper boundary of the parent material layer being described.
Bottom Depth	pmdepb	The distance from the top of the soil to the base of the parent material layer being described.
Textural Modifier	pmmodifier	General description of the texture of the parent material. Class limits correspond to those of textural groupings defined in the Soil Survey Manual and family particle-size classes in Soil Taxonomy.
General Modifier	pmgenmod	A user specified term(s) used to further describe the nature of the parent material for a given soil.
Kind	pmkind	A term describing the general physical, chemical and mineralogical composition of the material, mineral or organic, from which the soil develops. Mode of deposition and/or weathering may be implied or implicit.
Origin	pmorigin	The type of bedrock from which the parent material was derived.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	copmiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: copmgrp

Table Label: Component Parent Material Group

Table Logical Name: component_parent_material_grp

Column Label	Column Physical Name	Column Description
Lineage	coiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Parent Material Group Name	pmgroupname	Name for the concatenation of PARENT_MATERIAL_MODIFIER, PARENT_MATERIAL_KIND, and PARENT_MATERIAL_ORIGIN for each of the parent materials that may occur in a vertical cross section of a soil.
Representative?	rvindicator	A yes/no field that indicates if a value or row (set of values) is representative for the component.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	copmgrpiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: copwindbreak

Table Label: Component Potential Windbreak

Table Logical Name: component_potential_windbreak

Column Label	Column Physical Name	Column Description
Lineage	coiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Height	wndbrkht	Windbreak tree height at age 20 years.
Local Plant	lplantiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	copwindbreakiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: corefecmdoc

Table Label: Component Reference ECM Documents

Table Logical Name: component_ref_ecm_doc

Column Label	Column Physical Name	Column Description
Lineage	coiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
ECM Document Name	ecmdocname	The name (title) of the document being entered or retrieved from the Enterprise Content Management System.
ECM Document Type	ecmdoctype	The type of document that is in ECM. Such as, image (photo of the landscape, the soil profile, etc.), diagram (block diagram, cross-section of site, etc.), spreadsheet of some kind of data taken at the site but doesn't have a place in the NASIS point data and is not part of the KSSL measured data.
ECM Document URL	ecmdockeyurl	Unique key created by ECM when a document is uploaded into ECM. To populate this field in NASIS the user must get the key from ECM. Copy it and then paste into this NASIS field.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	corefecmdociid	NASIS automatically assigns the record ID when a new row is created and uses this number as part of an internal key to uniquely identify each record in the database. This column always has protected status and can never be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: corestrictions

Table Label: Component Restrictions

Table Logical Name: component_restrictions

Column Label	Column Physical Name	Column Description
Lineage	coiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Top Depth	resdept	The distance from the soil surface to the upper boundary of the restrictive layer.
Bottom Depth	resdepb	The distance from the soil surface to the lower boundary of the restrictive layer.
Thickness	resthk	The distance from the top to bottom of a restrictive layer.
Kind	reskind	Type of nearly continuous layer that has one or more physical, chemical, or thermal property(ies) that significantly reduce the movement of water and air through the soil or that otherwise provides an unfavorable root environment.
Hardness	reshard	The rupture resistance of air dried and then submerged block-like specimens of mineral material.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	corestrictiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: corestrictionsrefecmdoc

Table Label: Component Restrictions Reference ECM Documents

Table Logical Name: component_restrict_ref_ecm_doc

Column Label	Column Physical Name	Column Description
Lineage	corestrictionsiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
ECM Document Name	ecmdocname	The name (title) of the document being entered or retrieved from the Enterprise Content Management System.
ECM Document Type	ecmdoctype	The type of document that is in ECM. Such as, image (photo of the landscape, the soil profile, etc.), diagram (block diagram, cross-section of site, etc.), spreadsheet of some kind of data taken at the site but doesn't have a place in the NASIS point data and is not part of the KSSL measured data.
ECM Document URL	ecmdockeyurl	Unique key created by ECM when a document is uploaded into ECM. To populate this field in NASIS the user must get the key from ECM. Copy it and then paste into this NASIS field.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	corestrictionsrefecmdociid	NASIS automatically assigns the record ID when a new row is created and uses this number as part of an internal key to uniquely identify each record in the database. This column always has protected status and can never be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: correlation

Table Label: Correlation

Table Logical Name: correlation

Column Label	Column Physical Name	Column Description
Lineage	muiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Data Mapunit	dmuiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Rep DMU?	repdmu	Indicates whether or not a particular data mapunit is representative for a particular mapunit. Only one data mapunit may be representative for a mapunit.
Constituent Acres	muconacres	The portion of acres of a map unit linked to a data map unit that is a part or the whole of a correlated map unit.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	corriid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: cosoilmoist

Table Label: Component Soil Moisture

Table Logical Name: component_soil_moisture

Column Label	Column Physical Name	Column Description
Lineage	comonthiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Top Depth	soimoistdept	The distance from the top of the soil to the upper boundary of the moisture layer.
Bottom Depth	soimoistdepb	The distance from the top of the soil to the lower boundary of the moisture layer.
Moisture Status	soimoiststat	The mean monthly soil water state at a specified depth.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	cosoilmoistiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: cosoiltemp

Table Label: Component Soil Temperature

Table Logical Name: component_soil_temperature

Column Label	Column Physical Name	Column Description
Lineage	comonthiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Top Depth	soitempdept	The distance from the top of the soil to the upper boundary of the soil temperature layer.
Bottom Depth	soitempdepb	The distance from the top of the soil to the lower boundary of the soil temperature layer.
Monthly Temp	soitempmm	The long-term monthly average of the mean daily soil temperature at a specified depth for the month in question. Long-term is generally considered to be a 30-year average.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	cosoiltempiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: cosurffrags

Table Label: Component Surface Fragments

Table Logical Name: component_surface_fragments

Column Label	Column Physical Name	Column Description
Lineage	coiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Surf Frag Cvr Pct	sfragcov	Percent of the ground covered by fragments 2 mm or larger (20 mm or larger for wood fragments).
Avg Distance Between Rocks	distrocks	Average distance between surface stones and/or boulders, measured between edges.
Surface Frag Size	sfragsize	Size based on the multiaxial dimensions of the surface fragment.
Kind	sfragkind	The lithology/composition of the surface fragments 2 mm or larger (20 mm or larger for wood fragments).
Shape	sfragshp	A description of the overall shape of the surface fragment.
Roundness	sfraground	An expression of the sharpness of edges and corners of surface fragments.
Hardness	sfraghard	The hardness of the fragment.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	cosurffragsiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: cosurfmorphgc

Table Label: Component Three Dimensional Surface Morphometry

Table Logical Name: component_surface_morph_gc

Column Label	Column Physical Name	Column Description
Lineage	cogeomdiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Geomorphic Component Mountains	geomposmntn	A mappable part of the earth's surface (three dimensional) that represents an episode of landscape development of mountains.
Geomorphic Component Hills	geomposhill	A mappable part of the earth's surface (three dimensional) that represents an episode of landscape development of hills.
Geomorphic Component Terrace	geompostrce	A mappable part of the earth's surface (three dimensional) that represents an episode of landscape development of terraces.
Geomorphic Component Flat	geomposflats	Description of the geomorphic component for flats.
Record When Last Updated	recwlupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	cosurfmorgciid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: cosurfmorphhpp

Table Label: Component Two Dimensional Surface Morphometry

Table Logical Name: component_surface_morph_hpp

Column Label	Column Physical Name	Column Description
Lineage	cogeomdiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Hillslope Profile	hillslopeprof	Two dimensional slope segments of a hillslope that have similar geometric, erosional, or depositional characteristics.
Representative?	rvindicator	A yes/no field that indicates if a value or row (set of values) is representative for the component.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	cosurfmorhppiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: cosurfmorphmr

Table Label: Component Microrelief Surface Morphometry

Table Logical Name: component_surface_morph_mr

Column Label	Column Physical Name	Column Description
Lineage	cogeomdiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Microrelief Kind	geomicrorelief	The kind of slight variations in the height of a land surface that are too small or intricate to delineate on a topographic or soils map at commonly used scales (1:24000, and 1:10000).
Record When Last Updated	recwlupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	cosurfmormriid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: cosurfmorphss

Table Label: Component Slope Shape Surface Morphometry

Table Logical Name: component_surface_morph_ss

Column Label	Column Physical Name	Column Description
Lineage	cogeomdiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Slope Shape Across	shapeacross	The geometric, two dimensional profile (shape) of the slope parallel to elevation contours.
Slope Shape Up Down	shapedown	The geometric, two dimensional profile (shape) of the slope perpendicular to elevation contours.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	cosurfmorssiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: cotaxfmmin

Table Label: Component Taxonomic Family Mineralogy

Table Logical Name: component_tax_fam_mineralogy

Column Label	Column Physical Name	Column Description
Lineage	coiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Vertical Order	minorder	The vertical sequence in which the different mineralogies occurs, when more than one exists for one soil profile. If only one occurs for a soil, i.e. no lithologic discontinuities, no entry is needed.
Mineralogy	taxminalogy	Mineralogy classes are used as family differentiae. They are based on the approximate mineralogical composition of selected size fractions of the same segment of the soil (control section) that is used for application of particle-size classes. (Soil Taxonomy)
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	cotaxfmminiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: cotaxmoistcl

Table Label: Component Taxonomic Moisture Class

Table Logical Name: component_tax_moisture_class

Column Label	Column Physical Name	Column Description
Lineage	coiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Moisture Class	taxmoistcl	Soil moisture classes are unique to the family classification, though not included specifically in the name, this is a mechanism to provide clear identification of the actual moisture regime.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	cotaxmciid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: cotext

Table Label: Component Text

Table Logical Name: component_text

Column Label	Column Physical Name	Column Description
Lineage	coiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Date	recdate	The date associated with a particular record, expressed as month, day, year—xx/xx/xxxx.
Author	recauthor	Name of the person who entered, or is responsible for, a particular record.
Kind	comtextkind	A text entry is identified by its kind, category, and subcategory. Kind is the highest division of classification. Text kind provides a grouping of text entries according to their subject matter.
Category	textcat	A text entry is identified by its kind, category, and subcategory. Category is a subdivision of kind. "Agr" and "Soi" are two categories for the text kind "Nontechnical Description".
Subcategory	textsubcat	A text entry is identified by its kind, category, and subcategory. Subcategory is a subdivision of category. For text kind "Nontechnical" description and text category "Agr", subcategory would correspond to the SSSD field "desnum".
Text Entry	textentry	The actual narrative text portion of a text entry. The other parts of a text entry are its identifiers: kind, category and subcategory.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	cotextiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: cotreestomng

Table Label: Component Trees To Manage

Table Logical Name: component_trees_to_manage

Column Label	Column Physical Name	Column Description
Lineage	coiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Local Plant	lplantiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	cotreestopiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: cotxfmother

Table Label: Component Taxonomic Family Other Criteria

Table Logical Name: component_tax_fam_other

Column Label	Column Physical Name	Column Description
Lineage	coiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Family Other	taxfamother	Soil characteristics other than the defined family characteristics of particle-size classes, mineralogy classes, cation-exchange activity classes, calcareous and reaction classes, and soil temperature classes.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	cotaxfoiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: cousfsecoclass

Table Label: Component USFS Ecological Classification

Table Logical Name: component_usfs_eco_class

Column Label	Column Physical Name	Column Description
Lineage	coiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
USFS Ecological Classification	usfseciidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	cousfsecoclsiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: **cousfsgrndcvr**

Table Label: Component USFS Ground Cover

Table Logical Name: **component_usfs_ground_cover**

Column Label	Column Physical Name	Column Description
Lineage	coiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
USFS Ground Cover Percent	usfsgrndcovpct	The percent of the earth's surface covered by the corresponding type of ground cover.
USFS Ground Cover Type	usfsgrndcovtyp	A type of ground cover as defined by the U.S. Forest Service.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	cousfsgrndcvriid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: **cousfsinterp**

Table Label: Component USFS Interpretation

Table Logical Name: component_usfs_interpretation

Column Label	Column Physical Name	Column Description
Lineage	coiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
USFS Interpretation	usfsinterpoidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
USFS Interpretation Rating Class	usfsirclassiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
USFS Interp Rating Numeric Value	usfsirnumval	USFS interpretation rating numeric value. A numeric rating value that is sometimes used in lieu of a rating class.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	cousfsinterpoid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: cousfsirestrict

Table Label: Component USFS Interpretation Restriction

Table Logical Name: component_usfs_interp_restrict

Column Label	Column Physical Name	Column Description
Lineage	cousfsinterpiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
USFS Interpretation Restriction	usfsirstrectiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	cousfsirestrictiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: croptreedetails

Table Label: Crop Tree Details

Table Logical Name: crop_tree_details

Column Label	Column Physical Name	Column Description
Lineage	croptreesummiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Tree ID Nmbr	treenumber	The number assigned to a particular measured tree.
Plant	plantiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
DBH	treediameterbreastheight	The diameter of measured tree at breast height, typically 4.5 feet above ground level. In high latitudes and high altitudes where growing conditions limit tree growth to less than one inch per years.
Primary Category	croptreeprimarycat	The primary resource function that a particular tree is serving.
Secondary Category	croptreesecondarycat	The secondary resource function that a particular tree is serving.
Cut Tree?	cuttreeindicator	An indicator that a particular tree is designated to be removed from a stand.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	croptreedetailsiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: croptreesubplotdetails

Table Label: Crop Tree Subplot Details

Table Logical Name: crop_tree_subplot_details

Column Label	Column Physical Name	Column Description
Lineage	croptreesummiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Subplot Nmbr	subplotnumber	The number assigned to a particular subplot within a vegetation inventory plot from which measurements were recorded.
Leave Tree Basal Area	leavetreebasalarea	The basal area of trees within the plot designated to be left after thinning.
Cut Tree Basal Area	cuttreebasalarea	The basal area of trees within the plot designated to be removed from the stand.
Total BA	basalareasubplottotal	Total basal area for the subplot.
Record When Last Updated	recwlupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	croptreesubplotdetailsiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: croptreesummary

Table Label: Crop Tree Summary

Table Logical Name: crop_tree_summary

Column Label	Column Physical Name	Column Description
Lineage	vegplotiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Nmbr of Trees Counted	treecounttotal	The number of individual trees of all plant species counted within the plot.
Current Tree Density	currenttreedensity	The number of trees per acre found on the plot at the time of inventory.
Current Basal Area	currentbasalarea	Total basal area of the plot at the time of inventory.
Current Plot Avg DBH	currentplotavedbh	The average diameter at breast height (DBH) of trees within the plot at the time of inventory, expressed in inches.
Cut Tree Basal Area Ave	cuttreebasalareaave	The average basal area of trees within the plot designated to be removed from the stand.
Leave Tree Basal Area Ave	leavetreebasalareaave	The average basal area of trees within the plot designated to be left after thinning.
Nmbr of Cut Trees	cuttreecount	The number of trees designated to be removed from the plot.
Cut Tree Density	cuttreedensity	The number of trees per acre found on the plot designated to be removed from the stand.
Cut Tree Average DBH	cuttreeavedbh	The average diameter at breast height (DBH) of trees within the plot designated to be removed from the stand, expressed in inches.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	croptreesummaryiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: croptreetotals

Table Label: Crop Tree Totals

Table Logical Name: crop_tree_totals

Column Label	Column Physical Name	Column Description
Lineage	croptreesummiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Primary Category	croptreeprimarycat	The primary resource function that a particular tree is serving.
Nmbr of Trees Counted	categorytreecount	The number of trees within the plot that have a particular primary crop tree category designated.
Tree Density	categorytreedensity	The number of trees per acre found on the plot at the time of inventory of a particular crop tree category.
Average DBH	categorydbhave	The average diameter at breast height (DBH) of trees within the plot of a particular crop tree category at the time of inventory, expressed in inches.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	croptreetotalsiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: customchoicedomain

Table Label: Custom Choice Domain

Table Logical Name: custom_choice_domain

Column Label	Column Physical Name	Column Description
Custom Choice List Set	customchoicelistsetiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.
Domain ID	domainid	An integer value that uniquely identifies a domain in a data model, not just within a database.
Unselected Domain Choices	unselecteddomainchoices	A comma delimited list of unselected values of MetadataDomainDetail.ChoiceValue for the domain identified by customchoicedomain.domainid.
Rec ID	customchoicedomainiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: customchoicelistset

Table Label: Custom Choice List Set

Table Logical Name: custom_choice_list_set

Column Label	Column Physical Name	Column Description
Custom Choice List Set Name	customchoicelistsetname	The name of a custom choice list set. See the description of the corresponding table for the definition of a custom choice list set.
Custom Choice List Set Description	customchoicelistsetdesc	A description of a custom choice list set. See the description of the corresponding table for the definition of a custom choice list set.
Custom Choice List Set NASIS Site	cclsdbiidref	The internal ID (integer) of the NASIS Site that currently owns an object. Also known as the "owning NASIS Site ID". This value is assigned by NASIS and can only be changed by using the "Change Owner" function in NASIS.
NASIS Group	grpiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Object Last Updated	objwupdated	The date and time the corresponding object was last updated.
Object Last Updated By	objuseriidref	The key of the NASIS user who last updated the corresponding object.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	customchoicelistsetiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: customchoicelookup

Table Label: Custom Choice Lookup

Table Logical Name: custom_choice_lookup

Column Label	Column Physical Name	Column Description
Custom Choice List Set	customchoicelistsetiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.
Table ID	tableid	An integer value that uniquely identifies a table in the NASIS-style metadata.
Unselected Lookup Choices	unselectedlookupchoices	A comma delimited list of unselected primary key values of records from the table identified by customchoicelookup.tableid.
Rec ID	customchoicelookupiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: datamapunit

Table Label: Data Mapunit

Table Logical Name: data_mapunit

Column Label	Column Physical Name	Column Description
DMU Description	dmudesc	A short text field used to describe a data mapunit.
HEL (obsolete)	muhelcl	The overall Highly Erodible Lands (HEL) classification for the mapunit based on the rating of its components for wind and water HEL classification.
HEL Water (obsolete)	muwathelcl	The Highly Erodible Lands (HEL) classification for the mapunit based on the rating of its components for water HEL classification.
HEL Wind (obsolete)	muwndhelcl	The Highly Erodible Lands (HEL) classification for the mapunit based on the rating of its components for wind HEL classification.
Interpretive Focus	dmuinterpfocus	The targeted landuse for which the Data Map Unit (DMU) was developed. The properties of included mapunit components are tailored towards this landuse.
Investigation Intensity	dmuinvesintens	The order of survey for which the Data Map Unit was developed.
Crop Productivity Index	cropprodindex	An index of the capacity of a soil to produce a specific plant under a defined management system.
CT Septic Potential	ctsepticpot	The soil potential rating of septic tank absorption fields for single family residences as identified by the Connecticut State Health Code Regulations.
IA CSR	iacornsr	Corn Suitability Rating (CSR) is an index procedure developed in Iowa to rate each different kind of soil for its row-crop productivity.
NH Forest Soil Grp	nhiforsoigrp	Interpretative class for the map unit, based on NH developed interpretations.
NH SPI Agr	nhspiagr	New Hampshire Soil Potential Index for Agriculture, 1992 revision. Used for computation of weighted average SPI on a parcel of land for adjustment of current use land assessment.
NJ Farmland Assessment	njfmlassessment	An assessment of the soils potential for cultivation based on the New Jersey Farmland Assessment Act of 1964. This Act permits farmland and woodland actively devoted to an agricultural or horticultural use to be assessed at its productivity value. The Act does not apply to buildings of any kind, nor to the land associated with the farmhouse. Buildings and home sites on farms are assessed like all other non-farm property. When and if the land qualified under the Act changes to a non-agricultural or non-horticultural use, it is subject to a roll-back tax.
VT Septic System	vtsepticsyscl	The interpretive separations, or class, based on the ability of the map unit to support an onsite septic system. (Ancillary Soil Interpretation Ratings For On-site Sewerage Disposal in Vermont)

Column Label	Column Physical Name	Column Description
DMU NASIS Site	dmudbiidref	The internal ID (integer) of the NASIS Site that currently owns an object. Also known as the "owning NASIS Site ID". This value is assigned by NASIS and can only be changed by using the "Change Owner" function in NASIS.
NASIS Group	grpiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Object Last Updated	objwupdated	The date and time the corresponding object was last updated.
Object Last Updated By	objuseriidref	The key of the NASIS user who last updated the corresponding object.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	dmuiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: daubenmirecancovclasssumm

Table Label: Daubenmire Canopy Cover Class Summary

Table Logical Name: daubenmire_can_cov_class_summ

Column Label	Column Physical Name	Column Description
Lineage	vegtransplantsummiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Daubenmire Canopy Cover Class	daubcancovclass	The estimated canopy cover class of a species using Daubenmire protocol.
Class Midpoint Pct	cancovclassmidpoint	The midpoint percent value of the identified canopy cover class range.
Nmbr of Quadrat Hits	cancovclasscount	The number of quadrats where a particular species falls into the identified canopy cover class using Daubenmire protocol.
Canopy Cover Product	cancovproduct	The product of "canopy cover class midpoint %" x "cover class count" for a particular species and canopy cover class.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	daubcancovclsummiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: daubenmirecancovquaddetail

Table Label: Daubenmire Canopy Cover Quad Details

Table Logical Name: daubenmire_can_cov_quad_detail

Column Label	Column Physical Name	Column Description
Lineage	daubcancovclsummiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Quadrat Nmbr	quadratnumber	The number assigned to a particular quadrat within a plot or transect from which measurements were recorded.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	daubcancovquaddetailiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: densityquadratdetails

Table Label: Density Quadrat Details

Table Logical Name: density_quadrat_details

Column Label	Column Physical Name	Column Description
Lineage	vegtransplantsummiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Quadrat Nmbr	quadratnumber	The number assigned to a particular quadrat within a plot or transect from which measurements were recorded.
Transect Point Location	transectpointlocation	The point of observation along the transect recorded as a distance from the starting point of the transect. Starting point of transect is zero.
Nmbr of Mature Plants	maturecount	The number of mature individuals for a given plant species within the quadrat.
Nmbr of Seedling Plants	seedlingcount	The number of seedlings for a given plant species within the quadrat.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	densityquaddetailsiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: distcompmnd

Table Label: Distribution Component Metadata

Table Logical Name: distribution_comp_metadata

Column Label	Column Physical Name	Column Description
Lineage	distmumdiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Data Mapunit Rec ID	dmuiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Component Rec ID	coiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Component Name	compname	Name assigned to a component based on its range of properties.
Local Phase	localphase	Phase criterion to be used to help uniquely identify soil components or pedons. These are terms such as "drained", "eroded", etc.
Comp Pct	compct	The percentage of the component of the mapunit.
Component Taxon Kind	compkind	Identifies the kind of component of the mapunit. Examples are series and miscellaneous areas.
Major Component	majcompflag	Indicates whether or not a component is a major component in the mapunit.
Rec ID	distcompmdiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.
SIR phase - obsolete	otherph	Phase criterion other than slope, texture, and flooding used to identify soil components.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: distinterpmd

Table Label: Distribution Interp Metadata

Table Logical Name: distribution_interp_metadata

Column Label	Column Physical Name	Column Description
Lineage	distmdiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Rule Rec ID	ruleiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Rule Name	rulename	A user assigned name (typically connotative) for a rule.
Description	ruledesc	A narrative text definition of a rule.
Ready to use	dataafuse	Indicates whether or not an object is approved for use.
Most Recent Rule Component When Last Updated	mrecentrulecwlu	The date of the most recently updated component of an interpretation. This date is not necessarily the when last updated date of the interpretation itself. An interpretation may have a subrule, evaluation or property that was updated more recently than the master interpretation (rule) itself. The time of update of an interpretation component (subrule, evaluation, property) in NASIS is not explicitly reflected in other components that may reference the updated component.
Rec ID	distinterpmdiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: distlegendmd

Table Label: Distribution Legend Metadata

Table Logical Name: distribution_legend_metadata

Column Label	Column Physical Name	Column Description
Lineage	distmdiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Legend Rec ID	liidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Area Type Name	areatypename	The name of a particular type of area. Area type names include "state", "county", "mlra", etc.
Area Symbol	areasymbol	A symbol that uniquely identifies a single occurrence of a particular type of area (e.g. Lancaster Co., Nebraska is NE109).
Area Name	areaname	The name given to the specified geographic area.
Legend Description	legenddesc	A short text field used to describe a particular soil survey area legend.
Survey Status	ssastatus	Identifies the operational activity of a soil survey area and currency of published soil information. Examples are Non-Project, Update and Published.
Correlation Date	cordate	The date the final correlation document for a soil survey is signed, expressed as month, year (e.g. 07/1999).
Legend Certification Status	legendcertstat	The level of certification assigned to a legend. Intended to indicate whether or not the legend should be used and the degree of confidence with which it may be used.
Geographic Applicability	legendsuituse	Identifies the relative geographic extent over which a legend has the most up-to-date soil survey data.
Export Certification Status	exportcertstatus	The level of certification assigned to a tabular data package for a particular soil survey area.
Export Certification Date	exportcertdate	The date on which the associated export certification status was assigned.

Column Label	Column Physical Name	Column Description
Export Metadata	exportmetadata	Narrative text notes (metadata) associated with the assignment of the tabular data certification status for a particular soil survey area.
Legend Last Updated	legendwupdated	The last date in which any data element of a particular legend was modified. Note that this date applies only to those tables that are part of the legend object. This date does not reflect the update date of the most recently updated data mapunit associated with that legend.
Most Recent Data Mapunit When Last Updated	mostrecentdmuwl	The date of the most recently updated data mapunit in a set of exported data.
Legend Total Mapunits	legendtotalmus	The total number of map units that exist for a legend at the time an export was generated.
Total Exported Mapunits	totalexportmus	The total number of map units included in an export.
Legend Total Additional Mapunits	legendtotalamus	The total number of map units with status of "additional" that exist for a legend at the time an export was generated.
Total Exported Additional Mapunits	totalexportamus	The total number of map units with status of "additional" included in an export.
Total Exported Data Mapunits	totalexportdmus	The total number of data mapunits included in an export.
Rec ID	distlegendmdiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: distmapunitmd

Table Label: Distribution Mapunit Metadata

Table Logical Name: distribution_mapunit_metadata

Column Label	Column Physical Name	Column Description
Lineage	distlegendmdiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Legend Rec ID	liidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Mapunit Rec ID	muiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Mapunit Symbol	musym	The symbol used to uniquely identify the soil mapunit in the soil survey area.
Status	mustatus	Identifies the current status of the map unit.
Mapunit Name	muname	Correlated name of the mapunit (recommended name or field name for surveys in progress).
Correlated To Mapunit Rec ID	corrtomuiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Correlated To Mapunit Symbol	corrtomusym	The symbol used to uniquely identify the soil mapunit in the soil survey.
Correlated To Status	corrtomustatus	Identifies the current status of the map unit.
Correlated To Mapunit Name	corrtomuname	Correlated name of the mapunit (recommended name or field name for surveys in progress).
Data Mapunit Rec ID	dmuiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.

Column Label	Column Physical Name	Column Description
DMU Description	dmudesc	A short text field used to describe a data mapunit.
DMU Certification Status	dmucertstat	The level of certification assigned to a data mapunit. Indicates whether or not the data mapunit should be used and the degree of confidence with which it may be used. This certification relates to the whole data mapunit object, including all of its components, horizons, etc.
Data Mapunit Last Updated	dmuwlupdated	The last date in which any data element of a particular NASIS object (area, data mapunit, etc.) was modified.
No Representative Data Mapunit Reason	norepdmureason	A short narrative description of the reason that it was not possible to determine which data mapunit's data should be associated with a particular map unit.
Rec ID	distmumdiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: distmd

Table Label: Distribution Metadata

Table Logical Name: distribution_metadata

Column Label	Column Physical Name	Column Description
Distribution Request Date	distreqdate	The date and time when a NASIS user submitted a request to export a selected set of data. Export requests are not immediately processed at the time they are generated.
NASIS User Name	username	The full name of a NASIS user in a particular NASIS database occurrence.
Email Address	useremailaddr	Email address of a NASIS User.
Export Target	exporttarget	The target of a NASIS export, e.g. "SSURGO", "Staging Server".
Distribution Generation Date	distgendate	The date and time that a request to export data, which was submitted by a NASIS user, was actually processed.
Distribution Status	diststatus	The current status of a NASIS export request. This status may reflect either a pending request status or a processed request status.
Interpretation Maximum Reasons	interpmaxreasons	The maximum number of reasons reported for the corresponding soil interpretation.
Mapunit Selection Criteria	muselectcrit	The general scheme used for selecting map units for inclusion in a set of exported data.
Mapunit Status Provisional Boolean	mustatprovsnlbool	Indicates whether or not mapunits with status "provisional" should be included in a set of exported data.
Mapunit Status Approved Boolean	mustatapprvdbool	Indicates whether or not mapunits with status "approved" should be included in a set of exported data.
Mapunit Status Correlated Boolean	mustatcorrbool	Indicates whether or not mapunits with status "correlated" should be included in a set of exported data.
Mapunit Status Additional Boolean	mustataddtnlbool	Indicates whether or not mapunits with status "additional" should be included in a set of exported data.

Column Label	Column Physical Name	Column Description
Additional Mapunit Data Mapunit Selection Criteria	addtnlmudmuselcrit	The rule for determining which data mapunit's data should be associated with an additional symbol selected for inclusion in a set of exported data. One of two possible values: Use the data mapunit that was originally representative for that additional symbol. Use the data mapunit that is representative for the symbol into which that additional symbol was correlated.
Component Selection Criteria	compselectcrit	The general scheme used for selecting map unit components for inclusion in a set of exported data.
Minimum Percent Composition	minpctcomp	The minimum percent composition for components included in a set of exported data. In selecting components, this value is compared to the representative percent composition of a component.
Data Mapunit Selection Criteria	dmuselectcrit	The general scheme used for selecting data mapunits for inclusion in a set of exported data.
DMU Cert Stat - Not For Distribution Boolean	dmudcsnfdbool	Indicates whether or not data mapunits with data certification status "not for distribution" should be included in a set of exported data.
DMU Cert Stat - Not Certified Boolean	dmudcsncbool	Indicates whether or not data mapunits with data certification status "not certified" should be included in a set of exported data.
DMU Cert Stat - Partly Certified Boolean	dmudcspcbool	Indicates whether or not data mapunits with data certification status "partly certified" should be included in a set of exported data.
DMU Cert Stat - Partly Certified Min Data Boolean	dmudcspcmdbool	Indicates whether or not data mapunits with data certification status "partly certified - minimal data" should be included in a set of exported data.
DMU Cert Stat - Partly Certified Major Comps Boolean	dmudcspcmcbbool	Indicates whether or not data mapunits with data certification status "partly certified - major components" should be included in a set of exported data.
DMU Cert Stat - Partly Certified All Comps Boolean	dmudcspcacbool	Indicates whether or not data mapunits with data certification status "partly certified - all components" should be included in a set of exported data.

Column Label	Column Physical Name	Column Description
DMU Cert Stat - Certified Boolean	dmudcscbool	Indicates whether or not data mapunits with data certification status "certified" should be included in a set of exported data.
DMU Cert Stat - Certified Min Data Boolean	dmudcscmdbool	Indicates whether or not data mapunits with data certification status "certified - minimal data" should be included in a set of exported data.
DMU Cert Stat - Certified Major Comps Boolean	dmudcscmcbool	Indicates whether or not data mapunits with data certification status "certified - major components" should be included in a set of exported data.
DMU Cert Stat - Certified All Comps Boolean	dmudcscacbool	Indicates whether or not data mapunits with data certification status "certified - all components" should be included in a set of exported data.
Distribution NASIS Site	distdbiidref	The internal ID (integer) of the NASIS Site that currently owns an object. Also known as the "owning NASIS Site ID". This value is assigned by NASIS and can only be changed by using the "Change Owner" function in NASIS.
NASIS Group	grpiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Object Last Updated	objwupdated	The date and time the corresponding object was last updated.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Rec ID	distmdiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: disttextmd

Table Label: Distribution Text Metadata

Table Logical Name: distribution_text_metadata

Column Label	Column Physical Name	Column Description
Lineage	distmdiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Table Label	tablab	A descriptive business oriented name for a database table.
Text Kind String	textkindstring	The character string that represents a kind of text entry. In the generalized NASIS text entry classification scheme, a text entry is characterized by a "kind", "category" and "subcategory".
Rec ID	disttextmdiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: dmucerthistory

Table Label: Data Mapunit Certification History

Table Logical Name: data_mapunit_cert_history

Column Label	Column Physical Name	Column Description
Lineage	dmuiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Reviewer	revieweruseridref	The key of the NASIS user who reviewed the corresponding action.
Cert Date	certificationdate	The date on which the associated certification status was assigned.
Cert Kind	certificationkind	The kind of review performed on the data when the corresponding certification status was assigned.
DMU Certification Status	dmucertstat	The level of certification assigned to a data mapunit. Indicates whether or not the data mapunit should be used and the degree of confidence with which it may be used. This certification relates to the whole data mapunit object, including all of its components, horizons, etc.
Cert Text	certificationtext	Notes that describe the appropriate uses or significant limitations of the data, and explanatory information pertaining to the review and certification of the data.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseridref	The key of the NASIS user who last updated the corresponding record.
Rec ID	dmucerthistoryiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: dmucropyld

Table Label: Data Mapunit Crop Yield

Table Logical Name: data_mapunit_crop_yield

Column Label	Column Physical Name	Column Description
Lineage	dmuiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Crop Name	cropname	The common name for the crop.
Units	yldunits	Crop yield units per unit area for the specified crop.
Nirr Yield	nonirryield	The expected yield per acre of the specific crop without supplemental irrigation.
Irr Yield	irryield	The expected yield per acre of the specific crop with irrigation.
Crop Productivity Index	cropprodindex	An index of the capacity of a soil to produce a specific plant under a defined management system.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	dmucrpyldiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: dmurefecmdoc

Table Label: Data Mapunit Reference ECM Documents

Table Logical Name: data_mapunit_ref_ecm_doc

Column Label	Column Physical Name	Column Description
Lineage	dmuiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
ECM Document Type	ecmdoctype	The type of document that is in ECM. Such as, image (photo of the landscape, the soil profile, etc.), diagram (block diagram, cross-section of site, etc.), spreadsheet of some kind of data taken at the site but doesn't have a place in the NASIS point data and is not part of the KSSL measured data.
ECM Document Name	ecmdocname	The name (title) of the document being entered or retrieved from the Enterprise Content Management System.
ECM Document URL	ecmdockeyurl	Unique key created by ECM when a document is uploaded into ECM. To populate this field in NASIS the user must get the key from ECM. Copy it and then paste into this NASIS field.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	dmurefecmdociid	NASIS automatically assigns the record ID when a new row is created and uses this number as part of an internal key to uniquely identify each record in the database. This column always has protected status and can never be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: dmutext

Table Label: Data Mapunit Text

Table Logical Name: data_mapunit_text

Column Label	Column Physical Name	Column Description
Lineage	dmuiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Date	recdate	The date associated with a particular record, expressed as month, day, year—xx/xx/xxxx.
Author	recauthor	Name of the person who entered, or is responsible for, a particular record.
Kind	dmtextkind	A text entry is identified by its kind, category, and subcategory. Kind is the highest division of classification. Text kind provides a grouping of text entries according to their subject matter.
Category	textcat	A text entry is identified by its kind, category, and subcategory. Category is a subdivision of kind. "Agr" and "Soi" are two categories for the text kind "Nontechnical Description".
Subcategory	textsubcat	A text entry is identified by its kind, category, and subcategory. Subcategory is a subdivision of category. For text kind "Nontechnical" description and text category "Agr", subcategory would correspond to the SSSD field "desnum".
Text Entry	textentry	The actual narrative text portion of a text entry. The other parts of a text entry are its identifiers: kind, category and subcategory.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	dmtextiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: domaindetail

Table Label: Domain Detail

Table Logical Name: domain_detail

Column Label	Column Physical Name	Column Description
Lineage	domiidref	An integer number that uniquely identifies a domain in a particular database.
Sequence	choseq	No description available.
ID	choid	The physical data type of this attribute was changed from smallint to int, in order to accommodate ODD flag values greater than 32767. NASIS code values must still be less than or equal to 32767.
Data Entry Text	chodetxt	No description available.
Label Text	cholabtxt	No description available.
Alternate Entry Text	choaltetxt	The string representing a choice in an information system other than NASIS.
Description	chodesc	No description available.
Obsolete?	choobbool	No description available.
Pending Action	pendact	No description available.
Pending Status	pendstat	No description available.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	domdетиid	An integer number that uniquely identifies a domain member in a particular database.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: domaingroup

Table Label: Domain Group

Table Logical Name: domain_group

Column Label	Column Physical Name	Column Description
Domain Group Name	domgrpname	A name that uniquely identifies a particular domain group.
Domain Group Description	domgrpdesc	A narrative text description of a domain group.
Domain Group NASIS Site	domgrpdbiidref	The internal ID (integer) of the NASIS Site that currently owns an object. Also known as the "owning NASIS Site ID". This value is assigned by NASIS and can only be changed by using the "Change Owner" function in NASIS.
NASIS Group	grpdiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Object Last Updated	objwupdated	The date and time the corresponding object was last updated.
Object Last Updated By	objuseriidref	The key of the NASIS user who last updated the corresponding object.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	domgrpiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: domainhist

Table Label: Domain History

Table Logical Name: domain_history

Column Label	Column Physical Name	Column Description
Lineage	domiidref	An integer number that uniquely identifies a domain in a particular database.
Date	notedate	Date the note was entered into NASIS.
Notes	notes	Notes describing decisions, issues, or other history related to the record.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	domnoteiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: domainmaster

Table Label: Domain

Table Logical Name: domain_master

Column Label	Column Physical Name	Column Description
Lineage	domgrpiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Domain Name	domnm	No description available.
Ordering	domording	No description available.
Ordered?	domordbool	No description available.
Display Label?	domdlabbool	No description available.
Customizable?	domcustbool	A yes/no flag indicating whether or not a particular domain is customizable by the NASIS user.
Description	domdesc	No description available.
Domain ID	domainid	An integer value that uniquely identifies a domain in a data model, not just within a database.
Pending Action	pendact	No description available.
Pending Status	pendstat	No description available.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	domiid	An integer number that uniquely identifies a domain in a particular database.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: domdethist

Table Label: Domain Detail History

Table Logical Name: domain_detail_history

Column Label	Column Physical Name	Column Description
Lineage	domdetiidref	An integer number that uniquely identifies a domain member in a particular database.
Date	notedate	Date the note was entered into NASIS.
Notes	notes	Notes describing decisions, issues, or other history related to the record.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	domdetnoteiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: dwrquadratdetails

Table Label: Dry Weight Rank Quadrat Details

Table Logical Name: dwr_quadrat_details

Column Label	Column Physical Name	Column Description
Lineage	vegtransplantsummiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Quadrat Nmbr	quadratnumber	The number assigned to a particular quadrat within a plot or transect from which measurements were recorded.
Transect Point Location	transectpointlocation	The point of observation along the transect recorded as a distance from the starting point of the transect. Starting point of transect is zero.
DWR 1	dwrone	The estimated portion of the total plant community that a particular plant species comprises, assign to Dry Weight Rank 1 (70%). When selected alone, DWR 1 corresponds to 70% composition. When selected with DWR 2, they correspond to 90% composition. When selected with DWR 3, they correspond to 80% composition. When selected with DWR 2 & 3, they correspond to 100% composition.
DWR 2	dwrtwo	The estimated portion of the total plant community that a particular plant species comprises, assign to Dry Weight Rank 2 (20%). When selected alone, DWR 2 corresponds to 20% composition. When selected with DWR 1, they correspond to 90% composition. When selected with DWR 3, they correspond to 30% composition. When selected with DWR 1 & 3, they correspond to 100% composition.
DWR 3	dwrthree	The estimated portion of the total plant community that a particular plant species comprises, assign to Dry Weight Rank 3 (10%). When selected alone, DWR 3 corresponds to 10% composition. When selected with DWR 1, they correspond to 80% composition. When selected with DWR 2, they correspond to 30% composition. When selected with DWR 1 & 2, they correspond to 100% composition.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	dwrquaddetailsiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: **ecologicalsite**

Table Label: Ecological Site

Table Logical Name: **ecological_site**

Column Label	Column Physical Name	Column Description
Ecological Site ID	ecositeid	The legacy 11 character long unique identifier for a particular ecological site. It is the concatenated form of the five ecological site ID key fields, ecological site type, ecological site MLRA, ecological site LRU, ecological site number and ecological site state FIPS alpha code.
Ecological Site Name	ecositenm	The name of an ecological site expressed as the concatenation of a number of underlying individual name components. Due to the size and number of name components, the concatenated name field may not be wide enough to contain the full ecological site name. The Ecological Site Name from ESIS.
Ecological Site Status	ecositestatus	The status level of the ecological site description as recorded in the Ecosystem Dynamics Interpretive Tool (EDIT). It will be used to determine if the ecological site description information will be exported to Web Soil Survey (WSS).
Published in EDIT?	ecositepublished	Indicates if the corresponding ecological description is published in the Ecosystem Dynamics Interpretive Tool (EDIT). Value is received from the EDIT database and only those ecological sites with a yes are available to the public.
Ecological Site Type	ecositetype	A single letter designation assigned to an ecological site based upon the historic climax plant community. "R" is assigned to sites where the overstory tree production was not significant in the climax vegetation. "F" is assigned where the historic vegetation was dominated by at least a 25% overstory canopy of trees, as determined by crown perimeter vertical projection.
Ecological Site MLRA	ecositemlra	The four-character, unique identifier (symbol) composed of a combination of numbers and letters that identifies a particular Major Land Resource Area (MLRA). If the symbol does not contain a letter suffix, the letter "X" is added as a space holder. If the symbol is less than four characters in length, one or two zeroes are added at the beginning of the symbol to make it the correct length. This is the MLRA used in ESIS.
Ecological Site LRU	ecositelru	A single letter identifying state-defined subdivisions of major land resource areas (MLRA) based on significant statewide differences in climate, water resources, land use, potential natural vegetation, or other natural resource conditions. The default letter "Y" indicates no land resource units have been assigned. This is the LRU used in ESIS.
Ecological Site Number	ecositenumber	A three digit identification number assigned to a particular ecological site by the state with responsibility for that site. This is from the ESIS version.
Ecological Site State	ecositestate	The two character postal (alpha FIPS) code for states and territories of the United States that has responsibility for the particular ecological site.
Ecological Site Primary Name	ecositepnm	A descriptive designation for an ecological site, ie. "loamy upland". This is a required entry for "rangeland" ecological sites.
Ecological Site Secondary Name	ecositesnm	An optional supplemental portion to the name given to an ecological site, typically associated with a soil phase, ie. "gravelly".

Column Label	Column Physical Name	Column Description
Ecological Site Tertiary Name	ecositetnm	An optional supplemental portion to the name given to an ecological site, typically associated with climate or precipitation zones, ie. "17-22 inch p.z."
Ecological Site ID New	ecositeidnew	The new 12 character long unique identifier for a particular ecological site. It is the concatenated form of the five ecological site ID key fields, ecological site type, ecological site MLRA, ecological site LRR, ecological site LRU, ecological site number and ecological site state FIPS alpha code.
Ecological Site LRR New	ecositelrrnew	B. The land resource region (LRR) is the highest level of the hierarchy and represents broad landscape divisions at a small scale. The major land resource area (MLRA) is the second-highest level and generally represents broad landforms or a geologic region at a small scale. In many cases, it represents broad areas with similar potentials or limitations for use, such as forestland, or areas with similar resource limitations, such as arid climate. The third level of the hierarchy is the land resource unit (LRU). The land resource unit represents related landforms that make up the landscape. Land resource units are defined primarily by significant differences between one or two of the resource attributes. These differences affect land use and land management decisions at the landscape scale.
Ecological Site MLRA New	ecositemlranew	The four-character, unique identifier (symbol) composed of a combination of numbers and letters that identifies a particular Major Land Resource Area (MLRA). If the symbol does not contain a letter suffix, the letter "X" is added as a space holder. If the symbol is less than four characters in length, one or two zeroes are added at the beginning of the symbol to make it the correct length.
Ecological Site LRU New	ecositelrunew	A single letter identifying state-defined subdivisions of major land resource areas (MLRA) based on significant statewide differences in climate, water resources, land use, potential natural vegetation, or other natural resource conditions. The default letter "Y" indicates no land resource units have been assigned.
Ecological Site Number New	ecositenumbernew	A three digit identification number assigned to a particular ecological site by the state with responsibility for that site.
EDIT Rec ID	ecositenasisiid	A unique identifier used to link the NASIS ecological site record to the ecological Ecosystem Dynamics Interpretative Tool (EDIT) database. The ecositenasisiid is derived from the primary key in the EDIT core.ecological_class table.
Obsolete?	obterm	Indicates whether a term is obsolete.
Ecological Site NASIS Site	ecositedbiidref	The internal ID (integer) of the NASIS Site that currently owns an object. Also known as the "owning NASIS Site ID". This value is assigned by NASIS and can only be changed by using the "Change Owner" function in NASIS.
NASIS Group	grpriidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Object Last Updated	objwupdated	The date and time the corresponding object was last updated.
Object Last Updated By	objuseriidref	The key of the NASIS user who last updated the corresponding object.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.

Column Label	Column Physical Name	Column Description
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	ecositeiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: editsetup

Table Label: Edit Setup

Table Logical Name: edit_setup

Column Label	Column Physical Name	Column Description
Table Layout Name	edtsuname	The user specified name of a particular edit setup.
Description	edtsudesc	The narrative description of a particular edit setup.
Table Layout NASIS Site	edtsudbiidref	The internal ID (integer) of the NASIS Site that currently owns an object. Also known as the "owning NASIS Site ID". This value is assigned by NASIS and can only be changed by using the "Change Owner" function in NASIS.
NASIS Group	grpiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Object Last Updated	objwupdated	The date and time the corresponding object was last updated.
Object Last Updated By	objuseriidref	The key of the NASIS user who last updated the corresponding object.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	edtsuiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: editsetupelement

Table Label: Edit Setup Element

Table Logical Name: edit_setup_element

Column Label	Column Physical Name	Column Description
Edit Setup Table	edtsutabiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Element Internal ID	elm_iid	Equivalent to ColumnID in the NASIS 6 Style Metadata. In this case it is the ID of a column that is displayed in the NASIS grid. This may correspond either to a column in the corresponding table or a lookup display column in a related table. When it corresponds to the ID a lookup display column in another table, natelm_iid records the ColumnID of the foreign key in the underlying table.
Native Element Internal ID	natelm_iid	Equivalent to ColumnID in the NASIS 6 Style Metadata. natelm_iid records the ColumnID of the underlying foreign key when elm_iid corresponds to a lookup display column. See the definition of elm_iid for further clarification.
Band Position	bandposition	The position of the corresponding column group (band), with the leftmost group having position 0. (An aside: tables that have visible child tables will have band 0 set aside for the drill-down button. It is always the leftmost band and is not recorded in the editsetupelement table.)
Element Position	elmposition	The position of the column within its group (band), with the leftmost column having position 0.
Element Width	elmwidth	A number specifying its corresponding column's display width in the NASIS editor, expressed in number of characters.
Element Sort Sequence	elmsortseq	A number indicating a column's sequence in a table's sort key, i.e. 1=primary, 2=secondary, etc.
Element Sort Direction	elmsortdir	An indicator of the sorting direction of a specific column. A value of "A" indicates that the corresponding column should be sorted in ascending order. A value of "D" indicates that the corresponding column should be sorted in descending order.
Rec ID	edtsuelmiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 through the edit setup editor.

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: editsetuptable

Table Label: Edit Setup Table

Table Logical Name: edit_setup_table

Column Label	Column Physical Name	Column Description
Edit Setup	edtsuiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Table Internal ID	tbl_iid	Equivalent to TableID in the NASIS 6 Style Metadata.
Number of Frozen Columns	tabnumfrozcots	The number of left most columns in a table that should not be scrolled as other columns are scrolled left and right.
Number of Sort Columns	tabnumsortcols	The number of columns in a table that participate in that table's sort key.
Rec ID	edtsutabiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: evaluation

Table Label: Evaluation

Table Logical Name: evaluation

Column Label	Column Physical Name	Column Description
Seq	seqnum	Sequential number of the feature being described.
Evaluation Name	evalname	A user assigned name (typically connotative) for an evaluation.
Description	evaldesc	A narrative text definition of an evaluation.
Evaluation	eval	The specifications for determining a property's membership in a set.
Evaluation Type	evaluationtype	An evaluation's "type" classification.
Use Property Domain?	usepropertydomain	This affects how an evaluation is displayed in the user interface: When set, it modifies the displayed graph so the x-axis ranges from PropertyMinimum to PropertyMaximum for the associated Property.
Invert Evaluation Results?	invertevaluationresults	When set, the four fuzzy results normally returned by an evaluation (low low, low RV, high RV, high high) are set to 1 - result of evaluation function.
Property	propiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Ready to use?	dataafuse	Indicates whether or not an object is approved for use.
Evaluation NASIS Site	evaldbiidref	The internal ID (integer) of the NASIS Site that currently owns an object. Also known as the "owning NASIS Site ID". This value is assigned by NASIS and can only be changed by using the "Change Owner" function in NASIS.
NASIS Group	grpriidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Object Last Updated	objwupdated	The date and time the corresponding object was last updated.
Object Last Updated By	objuseriidref	The key of the NASIS user who last updated the corresponding object.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.

Column Label	Column Physical Name	Column Description
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	evaliid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: evaluationtext

Table Label: Evaluation Text

Table Logical Name: evaluation_text

Column Label	Column Physical Name	Column Description
Lineage	evaliidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Date	recdate	The date associated with a particular record, expressed as month, day, year—xx/xx/xxxx.
Author	recauthor	Name of the person who entered, or is responsible for, a particular record.
Kind	textkind	A text entry is identified by its kind, category, and subcategory. Kind is the highest division of classification. Text kind provides a grouping of text entries according to their subject matter.
Category	textcat	A text entry is identified by its kind, category, and subcategory. Category is a subdivision of kind. "Agr" and "Soi" are two categories for the text kind "Nontechnical Description".
Subcategory	textsubcat	A text entry is identified by its kind, category, and subcategory. Subcategory is a subdivision of category. For text kind "Nontechnical" description and text category "Agr", subcategory would correspond to the SSSD field "desnum".
Text Entry	textentry	The actual narrative text portion of a text entry. The other parts of a text entry are its identifiers: kind, category and subcategory.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	evaltextiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: form

Table Label: Form

Table Logical Name: form

Column Label	Column Physical Name	Column Description
Seq	seqnum	Sequential number of the feature being described.
Form Name	formname	A brief, connotative name for a form used to identify the form in this table and in the Select Manager. form names typically refer to the main focus of the form. For example, a form that selects horizons by their horizon designation might be named "horizon designation", or a form that selects individual soil survey area legends may be named "legends".
Description	formdesc	The form description is in this column, but is viewed and edited with a special text editor. Use the Zoom button, Shift-F2, or Zoom Edit from the Edit menu to open the text editor. The form description is a complete narrative description of the form. It is displayed in the Select Manager, along with the form name, to further describe the form for the user choosing this form. Typically, the form description includes a statement of what the form does and instructions on how to use the form. For example, a form that selects a legend for a soil survey area may have a description that reads: "Use to select a survey area legend based on soil survey area symbol and legend description. Set target table to 'legend' and use wildcards * and ? for the legend description."
Form	form	The form is in this column, but is viewed and edited with a special form editor. Use the Zoom button, Shift-F2, or Zoom Edit from the Edit menu to open the form editor. The form editor is a full featured editor which has its own help system that explains form conditions and how to use the editor. Open the form editor and use its help system for a complete explanation of queries.
Ready to use?	dataafuse	Indicates whether or not an object is approved for use.
Form NASIS Site	formdbiidref	The name of the NASIS Site that owns the form. NASIS automatically enters the NASIS Site name when a new form is created. This column is always protected and cannot be edited, but ownership of a form may be changed from the Options Menu.
NASIS Group	grpiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Object Last Updated	objwupdated	The date and time the corresponding object was last updated.
Object Last Updated By	objuseriidref	The key of the NASIS user who last updated the corresponding object.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.

Column Label	Column Physical Name	Column Description
Rec ID	formiid	NASIS automatically assigns the record ID when a new row is created and uses this number as part of an internal key to uniquely identify each record in the database. This column always has protected status and can never be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: formfavorites

Table Label: Form Favorites

Table Logical Name: form_favorites

Column Label	Column Physical Name	Column Description
NASIS User	useridref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Form	formiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Rec ID	formfavoriteiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: formtext

Table Label: Form Text

Table Logical Name: form_text

Column Label	Column Physical Name	Column Description
Lineage	formiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Date	recdate	The date associated with a particular record, expressed as month, day, year—xx/xx/xxxx.
Author	recauthor	Name of the person who entered, or is responsible for, a particular record.
Kind	textkind	A text entry is identified by its kind, category, and subcategory. Kind is the highest division of classification. Text kind provides a grouping of text entries according to their subject matter.
Category	textcat	A text entry is identified by its kind, category, and subcategory. Category is a subdivision of kind. "Agr" and "Soi" are two categories for the text kind "Nontechnical Description".
Subcategory	textsubcat	A text entry is identified by its kind, category, and subcategory. Subcategory is a subdivision of category. For text kind "Nontechnical" description and text category "Agr", subcategory would correspond to the SSSD field "desnum".
Text Entry	textentry	The actual narrative text portion of a text entry. The other parts of a text entry are its identifiers: kind, category and subcategory.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	formtextiid	NASIS automatically assigns the record ID when a new row is created and uses this number as part of an internal key to uniquely identify each record in the database. This column always has protected status and can never be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: frequencyquadratdetails

Table Label: Frequency Quadrat Details

Table Logical Name: frequency_quadrat_details

Column Label	Column Physical Name	Column Description
Lineage	vegtransplantsummiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Quadrat Nmbr	quadratnumber	The number assigned to a particular quadrat within a plot or transect from which measurements were recorded.
Transect Point Location	transectpointlocation	The point of observation along the transect recorded as a distance from the starting point of the transect. Starting point of transect is zero.
Species Present?	speciespresentindicator	A yes/no indicator as to whether or not a particular plant species is present within a particular quadrat.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	freqquaddetailsiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: geomorfeat

Table Label: Geomorphic Feature

Table Logical Name: geomorph_feature

Column Label	Column Physical Name	Column Description
Lineage	geomftiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Feature Name singular	geomfname	A word or group of words used to name a feature on the earth's surface, expressed in the singular form.
Feature Name plural	geomfnamep	A word or group of words used to name a feature on the earth's surface, expressed in the plural form.
Feature Name Spanish singular	geomfnamesp	A word or group of words used to name a feature on the earth's surface, expressed in the singular form.
Feature Name Spanish plural	geomfnamepsp	A word or group of words used to name a feature on the earth's surface, expressed in the plural form.
Description	geomfdesc	Definition of a geomorphic term.
Obsolete?	obterm	Indicates whether a term is obsolete.
Field Code	fieldcode	The short code for the chosen data entry used in some primary data collection. The code is coordinated with the Field Guide for Describing and Sampling Soils.
Notes	notes	Notes describing decisions, issues, or other history related to the record.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	geomfiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: geomorfeatype

Table Label: Geomorphic Feature Type

Table Logical Name: geomorph_feature_type

Column Label	Column Physical Name	Column Description
Feature Type	geomftname	One of several pseudo-hierarchical terms used to describe relative levels of scale for geomorphic terms.
Description	geomftdesc	Definition of a geomorphic kind.
Field Code	fieldcode	The short code for the chosen data entry used in some primary data collection. The code is coordinated with the Field Guide for Describing and Sampling Soils.
Notes	notes	Notes describing decisions, issues, or other history related to the record.
Geomorphic Feature Type NASIS Site	geomftdbiidref	The internal ID (integer) of the NASIS Site that currently owns an object. Also known as the "owning NASIS Site ID". This value is assigned by NASIS and can only be changed by using the "Change Owner" function in NASIS.
NASIS Group	grpriidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Object Last Updated	objwupdated	The date and time the corresponding object was last updated.
Object Last Updated By	objuseriidref	The key of the NASIS user who last updated the corresponding object.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	geomftiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: groundcovdetails

Table Label: Ground Cover Details

Table Logical Name: ground_cover_details

Column Label	Column Physical Name	Column Description
Lineage	transectgrcoviidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Transect Point Location	transectpointlocation	The point of observation along the transect recorded as a distance from the starting point of the transect. Starting point of transect is zero.
Quadrat Nmbr	quadratnumber	The number assigned to a particular quadrat within a plot or transect from which measurements were recorded.
Quadrat Cover Pct	quadratcoverpct	The percent of the soil surface within a quadrat covered by a particular cover material type.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	groundcovdetailsiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: groundsurfcovdetails

Table Label: Ground Surface Cover Details

Table Logical Name: ground_surface_cover_details

Column Label	Column Physical Name	Column Description
Lineage	transectgrsurfcoviidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Transect Point Location	transectpointlocation	The point of observation along the transect recorded as a distance from the starting point of the transect. Starting point of transect is zero.
Quadrat Nmbr	quadratnumber	The number assigned to a particular quadrat within a plot or transect from which measurements were recorded.
Quadrat Cover Pct	quadratcoverpct	The percent of the soil surface within a quadrat covered by a particular cover material type.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	groundsurfcovdetailsiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: indexdetail

Table Label: Index Detail

Table Logical Name: index_detail

Column Label	Column Physical Name	Column Description
Lineage	indexiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
System Table	systabiidref	An integer number that uniquely identifies a table in a particular database.
Index Column Sequence	indexcolumnseq	Specifies the sequence of a column in a table index.
Table Column	tabcoliidref	An integer number that uniquely identifies a column in a particular database.
Include Clause Column?	includeclause	Indicates that the column is to be added to the index in the include clause.
Not null clause column?	notnullclause	Indicates that the column is to be added to the index in the not null clause.
Pending Action	pendact	No description available.
Pending Status	pendstat	No description available.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	indexdetailiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: Index detail data

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: indexdetailhist

Table Label: Index Detail History

Table Logical Name: index_detail_history

Column Label	Column Physical Name	Column Description
Lineage	indexdetailiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.
Date	notedate	Date the note was entered into NASIS.
Notes	notes	Notes describing decisions, issues, or other history related to the record.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	indexdetailnoteiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: indexmaster

Table Label: Index Master

Table Logical Name: index_master

Column Label	Column Physical Name	Column Description
Lineage	systabiidref	An integer number that uniquely identifies a table in a particular database.
System	sysiidref	An integer number that uniquely identifies a database or information system repository in a particular database.
Constraint or Index Name	constraintorindexname	The name that is used to physically implement an index in a database management system.
Unique Index?	uniqueindex	A Boolean value that indicates if the corresponding index is a unique index.
Foreign Key?	foreignkeyindex	A Boolean value that indicates if the corresponding index is used for a foreign key relationship.
Primary Index?	primaryindex	A Boolean value that indicates if the corresponding index is the primary index for the corresponding table.
Clustered Index?	clusteredindex	A Boolean value that indicates if the corresponding index should be created as a clustered index.
Index Deferrable?	indexdeferrable	A Boolean value that indicates if the corresponding index can be deferred.
Performance Index?	performanceindex	A Boolean value that indicates if the corresponding index was created for performance reasons only.
Spatial?	spatialindex	A Boolean value that indicates if the corresponding index is a spatial index.
Number of Columns	indexcolnum	For the associated index, how many columns are part of the index.
Index Column Names	indexcolnames	No description available.
Index Description	indexdesc	For the associated index, the index description.
Index ID	indexid	An integer value that uniquely identifies a table index in the NASIS-style metadata.
SQL Advance Options	sqladvanceoptions	To capture any SQL Server advance database/table options in the NREPO data.
Pending Action	pendact	No description available.
Pending Status	pendstat	No description available.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.

Column Label	Column Physical Name	Column Description
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	indexiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: Index master data

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: indexmasterhist

Table Label: Index Master History

Table Logical Name: index_master_history

Column Label	Column Physical Name	Column Description
Lineage	indexiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Date	notedate	Date the note was entered into NASIS.
Notes	notes	Notes describing decisions, issues, or other history related to the record.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	indexnoteiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: keyrangeclient

Table Label: Key Range - Client

Table Logical Name: key_range_client

Column Label	Column Physical Name	Column Description
Table Physical Name	tabphynm	The physical (SQL) name of a database table.
Next Key Value	nextkeyvalue	The key value of the next record to be added to the corresponding table.
Range End Value	rangeendvalue	The last available value in the current block of keys for the corresponding table.
Reserved Key Range Start	reservekeyrangestart	The starting value of a user's reserve key range.
Reserve Key Range End	reservekeyrangeend	The ending value of a user's reserve key range.

Table Description: This table controls key assignment in a NASIS client database.

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: laoverlap

Table Label: Legend Area Overlap

Table Logical Name: legend_area_overlap

Column Label	Column Physical Name	Column Description
Lineage	liidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Area	areaiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Area Overlap Acres	areaovacres	The area overlap of two geographic regions, in acres.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	lareaoviid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: Icerthistory

Table Label: Legend Certification History

Table Logical Name: legend_cert_history

Column Label	Column Physical Name	Column Description
Lineage	liidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Reviewer	revieweruseridref	The key of the NASIS user who reviewed the corresponding action.
Cert Date	certificationdate	The date on which the associated certification status was assigned.
Cert Kind	certificationkind	The kind of review performed on the data when the corresponding certification status was assigned.
Legend Certification Status	legendcertstat	The level of certification assigned to a legend. Intended to indicate whether or not the legend should be used and the degree of confidence with which it may be used.
Cert Text	certificationtext	Notes that describe the appropriate uses or significant limitations of the data, and explanatory information pertaining to the review and certification of the data.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseridref	The key of the NASIS user who last updated the corresponding record.
Rec ID	Icerthistoryiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: legend

Table Label: Legend

Table Logical Name: legend

Column Label	Column Physical Name	Column Description
Area	areaiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Survey Status	ssastatus	Identifies the operational activity of a soil survey area and currency of published soil information. Examples are Non-Project, Update and Published.
Correlation Date	cordate	The date the final correlation document for a soil survey is signed, expressed as month, year (e.g. 07/1999).
Legend Description	legenddesc	A short text field used to describe a particular soil survey area legend.
MLRA Office	mlraoffice	An NRCS business unit responsible for oversight of soil survey production activities of a particular soil survey area.
MOU Signed	mousigned	The date on which the memorandum of understanding was actually signed, expressed as month, day, year—xx/xx/xxxx.
MOU Agency Responsible	mouagencyresp	The lead agency designated as responsible for a particular soil survey.
MOU Projected Completion	mouprojcomp	The projected date specified in the memorandum of understanding, on which all mapping and field activities in a soil survey area will be completed, expressed as month and year (e.g. 06/2002).
Project Scale	projectscale	The map scale in which the final map products will be published, expressed as the denominator of the scale, i.e. 24000 = 1:24000.
Geographic Applicability	legendsuituse	Identifies the relative geographic extent over which a legend has the most up-to-date soil survey data.
Legend NASIS Site	ldbiiidref	The internal ID (integer) of the NASIS Site that currently owns an object. Also known as the "owning NASIS Site ID". This value is assigned by NASIS and can only be changed by using the "Change Owner" function in NASIS.
NASIS Group	grpriidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Object Last Updated	objwupdated	The date and time the corresponding object was last updated.

Column Label	Column Physical Name	Column Description
Object Last Updated By	objuseriidref	The key of the NASIS user who last updated the corresponding object.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	liid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: lexportcerthistory

Table Label: Legend Export Certification History

Table Logical Name: legend_export_cert_history

Column Label	Column Physical Name	Column Description
Lineage	liidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Reviewer	revieweruseridref	The key of the NASIS user who reviewed the corresponding action.
Export Cert Date	exportcertdate	The date on which the associated export certification status was assigned.
Export Certification Status	exportcertstatus	The level of certification assigned to a tabular data package for a particular soil survey area.
Export Metadata	exportmetadata	Narrative text notes (metadata) associated with the assignment of the tabular data certification status for a particular soil survey area.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseridref	The key of the NASIS user who last updated the corresponding record.
Rec ID	lexportcerthistoryiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: Imapunit

Table Label: Legend Mapunit

Table Logical Name: legend_mapunit

Column Label	Column Physical Name	Column Description
Lineage	liidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Mapunit Symbol	musym	The symbol used to uniquely identify the soil mapunit in the soil survey area.
Mapunit	muiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Status	mustatus	Identifies the current status of the map unit.
Total Acres	muacres	The number of acres of a particular mapunit in a particular legend.
Farm Class	farmlndcl	Identification of map units as prime farmland, farmland of statewide importance, or farmland of local importance.
Secondary Farm Class	farmlndclsec	Secondary classification of map units as farmland of statewide importance, or farmland of local importance. This is for those map units that are classified as 'conditionally prime farmland' in the Farmland Classification column and would be applied when on-site evaluation determines that the site does not meet the conditional criteria - e.g. irrigated.
Dominant MLRA	mlraareaaiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
MLRA Area Type	mlraareatypeiiref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriiref	The key of the NASIS user who last updated the corresponding record.

Column Label	Column Physical Name	Column Description
Rec ID	Imapunitiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: Imuaoverlap

Table Label: Legend Mapunit Area Overlap

Table Logical Name: legend_mapunit_area_overlap

Column Label	Column Physical Name	Column Description
Lineage	lareaoviidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Legend Mapunit	lmapunitiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Legend	liidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Mapunit Area Overlap Acres	areaovacres	The area overlap of two geographic regions, in acres.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	Imuareaoviid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: Imuhistory

Table Label: Legend Mapunit History

Table Logical Name: legend_mapunit_history

Column Label	Column Physical Name	Column Description
Lineage	Imapunitiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Date	recdate	The date associated with a particular record, expressed as month, day, year—xx/xx/xxxx.
Author	recauthor	Name of the person who entered, or is responsible for, a particular record.
Correlation Kind	corkind	The type or kind of correlation decision that is being documented. This includes "join statements" and "notes to accompany" the correlation event.
Correlation Event	corevent	The activity or event during which the documented correlation decision was made.
Historical Name	munamehist	The name(s) of the soil mapunit used during the course of a soil survey.
Text Entry	textentry	The actual narrative text portion of a text entry. The other parts of a text entry are its identifiers: kind, category and subcategory.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	Imuhistoryiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: lmutext

Table Label: Legend Mapunit Text

Table Logical Name: legend_mapunit_text

Column Label	Column Physical Name	Column Description
Lineage	lmapunitidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Date	recdate	The date associated with a particular record, expressed as month, day, year—xx/xx/xxxx.
Author	recauthor	Name of the person who entered, or is responsible for, a particular record.
Kind	lmutextkind	A text entry can be identified by its kind, category, and subcategory. Kind is the highest division of classification. Text kind provides a grouping of text entries according to their subject matter.
Category	textcat	A text entry is identified by its kind, category, and subcategory. Category is a subdivision of kind. "Agr" and "Soi" are two categories for the text kind "Nontechnical Description".
Subcategory	textsubcat	A text entry is identified by its kind, category, and subcategory. Subcategory is a subdivision of category. For text kind "Nontechnical" description and text category "Agr", subcategory would correspond to the SSSD field "desnum".
Text Entry	textentry	The actual narrative text portion of a text entry. The other parts of a text entry are its identifiers: kind, category and subcategory.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	lmutextiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: localplant

Table Label: Local Plant

Table Logical Name: local_plant

Column Label	Column Physical Name	Column Description
Common Name	lplantname	The local, common, or colloquial name for a plant as defined by a user.
Plant	plantiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Obsolete?	obterm	Indicates whether a term is obsolete.
Local Plant NASIS Site	lplantdbiidref	The internal ID (integer) of the NASIS Site that currently owns an object. Also known as the "owning NASIS Site ID". This value is assigned by NASIS and can only be changed by using the "Change Owner" function in NASIS.
NASIS Group	grpriidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Object Last Updated	objwupdated	The date and time the corresponding object was last updated.
Object Last Updated By	objuseriidref	The key of the NASIS user who last updated the corresponding object.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	lplantiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: lpaoccurrence

Table Label: Local Plant Area Occurrence

Table Logical Name: local_plant_area_occurrence

Column Label	Column Physical Name	Column Description
Lineage	lplantiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Area	areaiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	lplantareaoccurrenceiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: Irefecmdoc

Table Label: Legend Reference ECM Documents

Table Logical Name: legend_ref_ecm_doc

Column Label	Column Physical Name	Column Description
Lineage	liidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
ECM Document Type	ecmdoctype	The type of document that is in ECM. Such as, image (photo of the landscape, the soil profile, etc.), diagram (block diagram, cross-section of site, etc.), spreadsheet of some kind of data taken at the site but doesn't have a place in the NASIS point data and is not part of the KSSL measured data.
ECM Document Name	ecmdocname	The name (title) of the document being entered or retrieved from the Enterprise Content Management System.
ECM Document URL	ecmdockeyurl	Unique key created by ECM when a document is uploaded into ECM. To populate this field in NASIS the user must get the key from ECM. Copy it and then paste into this NASIS field.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	Irefecmdociid	NASIS automatically assigns the record ID when a new row is created and uses this number as part of an internal key to uniquely identify each record in the database. This column always has protected status and can never be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: ltext

Table Label: Legend Text

Table Logical Name: legend_text

Column Label	Column Physical Name	Column Description
Lineage	liidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Date	recdate	The date associated with a particular record, expressed as month, day, year—xx/xx/xxxx.
Author	recauthor	Name of the person who entered, or is responsible for, a particular record.
Kind	legendtextkind	A text entry can be identified by its kind, category, and subcategory. Kind is the highest division of classification. Text kind provides a grouping of text entries according to their subject matter.
Category	textcat	A text entry is identified by its kind, category, and subcategory. Category is a subdivision of kind. "Agr" and "Soi" are two categories for the text kind "Nontechnical Description".
Subcategory	textsubcat	A text entry is identified by its kind, category, and subcategory. Subcategory is a subdivision of category. For text kind "Nontechnical" description and text category "Agr", subcategory would correspond to the SSSD field "desnum".
Text Entry	textentry	The actual narrative text portion of a text entry. The other parts of a text entry are its identifiers: kind, category and subcategory.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	legtextiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: mapunit

Table Label: Mapunit

Table Logical Name: mapunit

Column Label	Column Physical Name	Column Description
Mapunit Name	muname	Correlated name of the mapunit (recommended name or field name for surveys in progress).
Mapunit Kind	mukind	The type of mapunit being described or mapped. Example: consociation or complex.
Mapunit Type	mutype	The type of map unit. Useful in determining which of the potentially many identically named map units in the database is the MLRA map unit. Managing projects and conducting evaluations will be simplified if mapunits are easily recognized as MLRA vs Non-MLRA.
National Mapunit Symbol	nationalmusym	The symbol used to uniquely identify the soil mapunit nationally. The value is generated by NASIS, and is the based on the muiid from the Mapunit table, expressed in base 36. It is a combination of numeric and lowercase alphabetic characters.
Linear Feature Width	mapunitlfw	The approximate width of a particular map unit delineation represented by a linear soil feature on a soil map.
Point Feature Area	mapunitpfa	The approximate area of a particular map unit delineation represented by a point feature on a soil map.
USFS Map Unit Concept	usfsmuconcept	A narrative description of what the corresponding map unit represents, from a conceptual point of view.
Mapunit NASIS Site	mudbiidref	The internal ID (integer) of the NASIS Site that currently owns an object. Also known as the "owning NASIS Site ID". This value is assigned by NASIS and can only be changed by using the "Change Owner" function in NASIS.
NASIS Group	grpiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Object Last Updated	objwupdated	The date and time the corresponding object was last updated.
Object Last Updated By	objuseriidref	The key of the NASIS user who last updated the corresponding object.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.

Column Label	Column Physical Name	Column Description
Rec ID	muiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: `milestonetype`

Table Label: Milestone Type

Table Logical Name: `milestone_type`

Column Label	Column Physical Name	Column Description
Milestone Type Name	<code>milestonetypename</code>	The name of the corresponding milestone type.
Description	<code>milestonetypedesc</code>	A description of the corresponding milestone type.
Notes	<code>notes</code>	Notes describing decisions, issues, or other history related to the record.
Obsolete?	<code>obterm</code>	Indicates whether a term is obsolete.
Milestone Type NASIS Site	<code>milestonetypedbiidref</code>	The internal ID (integer) of the NASIS Site that currently owns an object. Also known as the "owning NASIS Site ID". This value is assigned by NASIS and can only be changed by using the "Change Owner" function in NASIS.
NASIS Group	<code>grpiidref</code>	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the <code>_iid_ref</code> is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Object Last Updated	<code>objwupdated</code>	The date and time the corresponding object was last updated.
Object Last Updated By	<code>objuseriidref</code>	The key of the NASIS user who last updated the corresponding object.
Record When Last Updated	<code>recwupdated</code>	The date and time the corresponding record was last updated.
Record Last Updated By	<code>recuseriidref</code>	The key of the NASIS user who last updated the corresponding record.
Rec ID	<code>milestonetypeiid</code>	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: muhistory

Table Label: Mapunit History

Table Logical Name: mapunit_history

Column Label	Column Physical Name	Column Description
Lineage	muIIDref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Date	recdate	The date associated with a particular record, expressed as month, day, year—xx/xx/xxxx.
Author	recauthor	Name of the person who entered, or is responsible for, a particular record.
Correlation Kind	corkind	The type or kind of correlation decision that is being documented. This includes "join statements" and "notes to accompany" the correlation event.
Correlation Event	corevent	The activity or event during which the documented correlation decision was made.
Historical Name	munamehist	The name(s) of the soil mapunit used during the course of a soil survey.
Text Entry	textentry	The actual narrative text portion of a text entry. The other parts of a text entry are its identifiers: kind, category and subcategory.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	muhistiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: murefecmdoc

Table Label: Mapunit Reference ECM Documents

Table Logical Name: mapunit_ref_ecm_doc

Column Label	Column Physical Name	Column Description
Lineage	muiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
ECM Document Type	ecmdoctype	The type of document that is in ECM. Such as, image (photo of the landscape, the soil profile, etc.), diagram (block diagram, cross-section of site, etc.), spreadsheet of some kind of data taken at the site but doesn't have a place in the NASIS point data and is not part of the KSSL measured data.
ECM Document Name	ecmdocname	The name (title) of the document being entered or retrieved from the Enterprise Content Management System.
ECM Document URL	ecmdockeyurl	Unique key created by ECM when a document is uploaded into ECM. To populate this field in NASIS the user must get the key from ECM. Copy it and then paste into this NASIS field.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	mapunitrefecmdociid	NASIS automatically assigns the record ID when a new row is created and uses this number as part of an internal key to uniquely identify each record in the database. This column always has protected status and can never be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: mutext

Table Label: Mapunit Text

Table Logical Name: mapunit_text

Column Label	Column Physical Name	Column Description
Lineage	muiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Date	recdate	The date associated with a particular record, expressed as month, day, year—xx/xx/xxxx.
Author	recauthor	Name of the person who entered, or is responsible for, a particular record.
Kind	mapunittextkind	Text kind provides a grouping of text entries according to their subject matter. For example, the text kind "edit notes" groups text entries that deal with adding or changing data.
Category	textcat	A text entry is identified by its kind, category, and subcategory. Category is a subdivision of kind. "Agr" and "Soi" are two categories for the text kind "Nontechnical Description".
Subcategory	textsubcat	A text entry is identified by its kind, category, and subcategory. Subcategory is a subdivision of category. For text kind "Nontechnical" description and text category "Agr", subcategory would correspond to the SSSD field "desnum".
Text Entry	textentry	The actual narrative text portion of a text entry. The other parts of a text entry are its identifiers: kind, category and subcategory.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	mutextiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: muusfsecoclass

Table Label: Mapunit USFS Ecological Classification

Table Logical Name: mapunit_usfs_eco_class

Column Label	Column Physical Name	Column Description
Lineage	muiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
USFS Ecological Classification	usfseciidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	muusfsecoclsiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: muusfsinterp

Table Label: Mapunit USFS Interpretation

Table Logical Name: mapunit_usfs_interpretation

Column Label	Column Physical Name	Column Description
Lineage	muiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
USFS Interpretation	usfsinterpoidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
USFS Interpretation Rating Class	usfsirclassiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
USFS Interp Rating Numeric Value	usfsirnumval	USFS interpretation rating numeric value. A numeric rating value that is sometimes used in lieu of a rating class.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	muusfsinterpoid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: muusfsirestrict

Table Label: Mapunit USFS Interpretation Restriction

Table Logical Name: mapunit_usfs_interp_restrict

Column Label	Column Physical Name	Column Description
Lineage	muusfsinterpiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
USFS Interpretation Restriction	usfsirstrectiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	muusfsirestrictiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: nasisgroup

Table Label: NASIS Group

Table Logical Name: nasis_group

Column Label	Column Physical Name	Column Description
Lineage	nasissiteiidref	The internal ID (integer) of the NASIS Site that currently owns an object. Also known as the "owning NASIS Site ID". This value is assigned by NASIS and can only be changed by using the "Change Owner" function in NASIS.
NASIS Group Name	grpname	The name of a NASIS group in a particular NASIS database occurrence, e.g. state office.
Description	grpdesc	A narrative text entry that contains information about a particular NASIS group.
Contact	grpcontact	The name of the primary contact for a particular NASIS group.
Phone	grpphone	The phone number of the primary contact for a particular NASIS group.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Rec ID	grpiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: nasisgroupmember

Table Label: NASIS Group Member

Table Logical Name: nasis_group_member

Column Label	Column Physical Name	Column Description
Lineage	grpiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
NASIS User	useriidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Rec ID	grpmemiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: nasissession

Table Label: NASIS Session

Table Logical Name: nasis_session

Column Label	Column Physical Name	Column Description
NASIS User	useridref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Session Passcode	sessionpasscode	A unique session ID provided by the NASIS web service server that is used to authenticate a NASIS client to invoke NASIS related web services.
Session Commenced	sessioncommenced	When the corresponding NASIS session commenced.
Session Expires	sessionexpires	When the corresponding NASIS session expires.
Session Last Active	sessionlastactive	When the corresponding session was last active.
Session ID	sessionid	The primary key of the corresponding session record.

Table Description: The NASIS Session table tracks connected NASIS client sessions.

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: nasissite

Table Label: NASIS Site

Table Logical Name: nasis_site

Column Label	Column Physical Name	Column Description
NASIS Site Name	nasissitename	The name of a particular NASIS site.
Description	nasissitedesc	A narrative text entry that contains information about a particular NASIS site.
State	nasissitestate	The name of the state in which a particular NASIS site resides. Expressed as the lower case FIPS alpha code e.g. co.
County	nasissitecounty	The name of the county in which a particular NASIS site resides.
City	nasissitecity	The name of the city in which a particular NASIS site resides.
Office Type	nasissiteofficetype	The name of the type of office in which a particular NASIS site resides.
Contact	nasissitecontact	The name of the primary contact person for a particular NASIS site.
Phone	nasissitephone	The phone number of the primary contact person for a particular NASIS site.
Object Last Updated	objwupdated	The date and time the corresponding object was last updated.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Rec ID	nasissiteiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: nasissiteadmin

Table Label: NASIS Site Administrator

Table Logical Name: nasis_site_admin

Column Label	Column Physical Name	Column Description
Lineage	nasissiteiidref	The internal ID (integer) of the NASIS Site that currently owns an object. Also known as the "owning NASIS Site ID". This value is assigned by NASIS and can only be changed by using the "Change Owner" function in NASIS.
NASIS User	useridref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Rec ID	nasissiteadminiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: nasisuser

Table Label: NASIS User

Table Logical Name: nasis_user

Column Label	Column Physical Name	Column Description
NASIS User Name	username	The full name of a NASIS user in a particular NASIS database occurrence.
Affiliation	useraffiliation	The agency or entity that a particular user is associated with.
Description	userdesc	A narrative text entry that contains information about a particular NASIS user.
Job Title	userjobtitle	The job title of a person who is in some way associated with the work done on a particular soil survey project. This person may be either a NRCS employee or a NCSS cooperator employee.
Phone	userphone	The phone number of a particular NASIS user
Email Address	useremailaddr	Email address of a NASIS User.
eAuth ID	eauthid	A NASIS user's eAuth ID. The eAuth ID is not the same as the eAuth login. This field use to store a person's eAuth login but was changed to store a person's eAuth ID around November 2005, because the eAuth staff will no longer allow a person's eAuth login to be provided to an application.
Windows Login	windowslogin	A NASIS uers's Windows login.
Last Login	lastlogin	The date and time a NASIS user last logged in.
Default NASIS Group	defaultgrpiidref	A NASIS user's default NASIS group.
NASIS User NASIS Site	nasisuserdbiidref	The internal ID (integer) of the NASIS Site that currently owns an object. Also known as the "owning NASIS Site ID". This value is assigned by NASIS and can only be changed by using the "Change Owner" function in NASIS.
Object Last Updated	objwupdated	The date and time the corresponding object was last updated.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Rec ID	userid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: ncsslayerslabdata

Table Label: NCSS Layer Lab Data

Table Logical Name: ncss_layer_lab_data

Column Label	Column Physical Name	Column Description
Lineage	ncsspedonlabdataiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Layer Seq	layerseqnum	A sequential number (starting at 1 for the top horizon) for horizons in a pedon. It is used to order data in reports.
Lab Sample Nmbr	labsampnum	A unique identifier number for the pedon assigned by the laboratory. This number is used to link the morphological pedon description with the associated measured property values from the laboratory.
Top Depth	hzdept	The distance from the top of the soil to the upper boundary of the soil horizon.
Bottom Depth	hzdepb	The distance from the top of the soil to the base of the soil horizon.
Layer Type	layertype	An indicator as to whether the sample from the specified depth range represents a morphological horizon or a reporting layer type.
Horizon Designation	hzname	The concatenation of three kinds of symbols (four data elements) used in various combinations to designate layers within the soil. (SSM)
Horizon Designation Original	hznameoriginal	The horizon designation originally entered in the database.
Stratified Flag	stratextsflag	A Boolean flag that when set (Y) indicates that the textures that comprise a particular texture group, are stratified.
Moisture State	moistprepstate	This field indicates whether the physical and chemical analyses were run on air-dried samples or non-air-dried samples. Typically, analyses are run on air-dried samples unless drying causes irreversible changes in the soil and the changes affect the results of the analyses.
Lab Texture	texcl	An expression, based on the USDA system of particle sizes, for the relative portions of the various size groups of individual mineral grains less than 2mm equivalent diameter in a mass of soil.
VC Sand Measured	sandvcmeasured	Very coarse sand is the soil separate with 1.0 to 2.0 mm particle diameter. It is reported as a gravimetric percent of the <2 mm fraction.
Coarse Sand Measured	sandcomeasured	Coarse sand is the soil separate with 0.5 to 1.0 mm particle diameter. It is reported a gravimetric percent of the <2 mm fraction.
Med Sand Measured	sandmedmeasured	Medium sand is the soil separate with 0.25 to 0.50 mm particle diameter. It is reported as a gravimetric percent of the <2 mm fraction.

Column Label	Column Physical Name	Column Description
Fine Sand Measured	sandfinemeasured	Fine sand is the soil separate with 0.10 to 0.25 mm diameter particles. It is reported as a gravimetric percent of the <2 mm fraction.
VF Sand Measured	sandvfmeasured	Very fine sand is the soil separate with 0.05 to 0.10 mm particle diameter. It is reported as a gravimetric percent of the <2 mm fraction.
Total Sand Measured	sandtotmeasured	Total sand is the soil separate with 0.05 to 2.0 mm particle diameter. It is reported a gravimetric percent of the <2 mm fraction.
Coarse Silt Measured	siltcomeasured	Coarse silt is the soil separate with 0.02 to 0.05 mm particle size. It is reported as a gravimetric percent of the <2 mm fraction.
Fine Silt Measured	siltfinemeasured	Fine silt is the soil separate with 0.002 to 0.02 mm particle diameter. It is reported as a gravimetric percent of the <2 mm fraction.
Total Silt Measured	silttotmeasured	Total silt is the soil separate with 0.002 to 0.05 mm particle size. It is reported as a gravimetric percent of the <2 mm fraction.
CaCO3 Clay Equiv Measured	claycarbmeasured	Carbonate clay is the part of <0.002 mm diameter particles that are composed of carbonates. It is reported as a gravimetric percent of the <2 mm fraction.
Fine Clay Measured	clayfinemeasured	Fine clay is the <0.0002 mm particle diameter soil separate. It is reported as a gravimetric percent of the <2mm fraction.
Total Clay Measured	claytotmeasured	Total clay is the soil separate with <0.002 mm particle diameter. Clay size carbonate is included. Total clay is reported as a gravimetric percent of the <2 mm fraction.
Organic Carbon Pct	carbonorganicpctmeasured	The percent of organic carbon in the sample on a gravimetric percent basis, computed by difference of total carbon and inorganic carbon.
Total Carbon Pct	carbontotalpctmeasured	The gravimetric percentage of total carbon in the sample.
OM Pct Est	ompctest	The estimated amount of decomposed plant and animal residue in the sample expressed as a weight percentage of the less than 2 mm soil material computed from measured organic carbon content.
Rubbed Fiber Pct	fiberrubbedpct	The proportion of organic soil material that is composed of fibers, reported as a percent by volume of the less than 20 mm fraction after rubbing between the thumb and fingers.
Unrubbed Fiber Pct	fiberunrubbedpct	The proportion of organic soil material composed of fibers, reported as a percent by volume of the less than 20 mm fraction before rubbing between thumb and fingers.
Frag Pct 2 to 5 mm by wt	fragwt25	The gravimetric percentage of 2 to 5 mm diameter particles in the <75 mm size fraction.
Frag Pct 5 to 20 mm by wt	fragwt520	The gravimetric percentage of 5 to 20 mm diameter particles reported in the <75 mm size fraction.

Column Label	Column Physical Name	Column Description
Frag Pct 20 to 75 mm by wt	fragwt2075	The gravimetric percentage of 20 to 75 mm diameter particles reported in the <75 mm size fraction.
Frag Pct 2 to 75 mm by wt	fragwt275	The gravimetric percentage of 2 to 75 mm diameter particles reported in the <75 mm size fraction.
Wt Pct 0.1 to 75 mm	wtpct0175	The gravimetric percentage of 0.1 to 75 mm diameter particles reported in the <75 mm size fraction.
Wt Pct GT 2 mm ws	wtpctgt2ws	The gravimetric percent of particles with =>2 mm diameter reported on a whole soil base.
pH 1 to 1 water	ph1to1h2o	The negative common logarithm of the hydrogen ion activity in the soil using the 1:1 soil-water ratio method. A numerical expression of the relative acidity or alkalinity of a soil sample. (SSM)
pH 01M CaCl2	ph01mcacl2	The negative common logarithm of the hydrogen ion activity in the soil, using the 0.01M CaCl2 method, in a 1:2 soil:solution ratio. A numerical expression of the relative acidity or alkalinity of a soil sample. (SSM)
pH NaF	phnaf	The negative common logarithm of the hydrogen ion activity in the soil using the 1N NaF method. It is used as an indicator of andic materials.
pH Oxidized	phoxidized	The negative common logarithm of the hydrogen ion activity in the soil using the oxidized pH method. It is used as an indicator of the presence of sulfidic materials. This is the final pH measured after several moist/dry cycles when using SSIR51V1-7.1.3.1 Hydrogen Peroxide Test, Delta pH test for Acid Sulfate Soils.
Resistivity	resistivity	Resistivity is the electrical resistance of a saturated soil paste in a standard resistance cup, reported as ohms per centimeter on the <2 mm fraction. It is a measure of the amount of soluble salts in the sample.
EC	ecmeasured	The electrical conductivity of an extract from saturated soil paste using the pocket-type or hand-held electrical conductivity meter.
ESP	esp	The fraction of the cation exchange capacity of a soil that is occupied by sodium ions, expressed as a percent.
SAR	sar	A measure of the amount of Sodium (Na) relative to Calcium (Ca) and Magnesium (Mg) in the water extract from saturated soil paste. (Soil Survey Staff (2004, method 4F3b)
CEC sum of cations	cecsumcations	The calculated CEC at pH 8.2. It is calculated by (BASE_SUM+ACID_TEA). It is reported as cmol +/-kg of sample in the <2 mm size fraction.
CEC7	cec7	The amount of readily exchangeable cations that can be electrically adsorbed to negative charges in the soil, soil constituent, or other material, at pH 7.0, as estimated by the ammonium acetate method. Previously reported as meq/100 g which is equivalent to cmol+/kg.
ECEC	ecec	The sum of NH4OAc extractable bases plus KCl extractable aluminum. Previously reported as meq/100 g which is equivalent to cmol+/kg.
Sum of Bases	sumbases	The sum of NH4OAc extractable bases (pH 7.0), reported on less than 2mm base. Previously reported as meq/100 g which is equivalent to cmol+/kg.

Column Label	Column Physical Name	Column Description
Base Sat sum of cations	basesatsumcations	Base saturation by sum of cations (pH 8.2) is calculated by $(\text{BASE\_SUM}/\text{CEC\_SUM}) \times 100$.
Base Sat NH4OAc	basesatnh4oac	NH4OAC base saturation (pH 7.0) is calculated by $(\text{BASE\_SUM}/\text{CEC\_NH4}) \times 100$.
CaCO3 Clay Measured	caco3equivmeasured	The quantity of Carbonate (CO3) in the soil expressed as CaCO3 and as a weight percentage of the less than 2 mm size fraction. Calcium Carbonate equivalent measured using a volume calcimeter (Holmgren 1973).
CaCO3 LT 20 mm	caco3lt20measured	The quantity of Carbonate (CO3) in the soil expressed as CaCO3 and as a gravimetric percentage of the <20 mm size fraction. It is used for determining the carbonatic mineralogy class.
Gypsum LT 2 mm	gypsumequivlt2measured	Calcium sulfate as gypsum as a gravimetric percent of the <2 mm size fraction.
Gypsum LT 20 mm	gypsumequivmeasured	Calcium sulfate as gypsum as a gravimetric percent of the <20 mm size fraction.
Oxalate Fe	feoxalatemeasured	Ammonium oxalate extractable iron is considered a measure of the noncrystalline Fe in soils. It provides some inferences of the amount of Fe in various forms. It is reported as gravimetric percentage of the <2mm size fraction.
Extractable Fe	feextractable	Dithionite citrate extractable iron is considered a general measure of total pedogenic iron. It provides inferences on the amount of iron in various forms, P fixing potential, aggregate stability, and degree of weathering. Reported as gravimetric percent of the <2mm size fraction.
Total Fe	fetotal	Total Fe is the iron measured after total dissolution of a size fraction of soil material. It is stored as elemental percent and reported as mg/kg oxide on the base of the size fraction used.
Oxalate Si	sioxalatemeasured	The amount of ammonium oxalate extractable silicon relates to the amount of allophane and imogolite in andic materials. It is reported as a gravimetric percent of the <2mm size fraction.
Extr Acidity	extracid	A measure of soil exchangeable hydrogen ions that may become active by cation exchange. Previously reported as meq/100 g which is equivalent to cmol+/kg.
Extr Al	extral	The amount of aluminum extracted in 1 normal potassium chloride which approximates the exchangeable Al, and is a measure of the active acidity present in soils with a 1:1 water pH less than 5.5. It relates to the immediate lime requirement and the CEC of the soil. The following laboratory method is applied: 55 ml of 1 normal potassium chloride is extracted through 2.5 g of soil sample. The extract is analyzed by use of an atomic adsorption spectrometer or similar instrument (SSIR #1, method 6G9a and NSSH). Previously reported as meq/100 g which is equivalent to cmol+/kg.
Oxalate Al	aloxalatemeasured	Ammonium oxalate extractable aluminum is an estimate of the total pedogenic Al, much of which may be in noncrystalline materials or complexed by organic matter. It is reported as gravimetric percent of the <2mm size fraction.
Total Al	altotal	Total Al is the aluminum measured after total dissolution of a size fraction of soil material. It is stored as mg/kg of the element and reported as mg/kg oxide on the base of the size fraction used.
Mehlich 3 Phos	pmehlich3	The amount of phosphorous in the less than 2mm fraction, that is extractable by the Mehlich-3 extraction method. Mehlich-3 can also be used to extract Ca, Mg, K, and Na. It correlates well to Bray P-1 method in acid to neutral soils and to Olsen method for calcareous soils.

Column Label	Column Physical Name	Column Description
Water Soluble Phos	ph2solublemeasured	The amount of water soluble phosphorous in the less than 2mm fraction, that is extractable by distilled water. It represents the mobile phosphorous content.
Oxalate Phos	poxalatemeasured	The amount of phosphorous in the less than 2mm fraction, that is extractable by ammonium oxalate method. The ammonium oxalate extraction method is not a conventional P extraction method but derives from selective dissolution of soil iron forms. With acid ammonium oxalate, poorly crystalline Fe is dissolved, which includes ferrihydrite and Fe associated with soil organic matter.
Olsen Phos Measured	polsenmeasured	The amount of phosphorous in the less than 2mm fraction, that is extractable by Olsen sodium-bicarbonate extracting solution. The Olsen extractable phosphorous is used as an indicator of available phosphorous in calcareous soil materials (most applicable in neutral to calcareous soils with a pH >6).
Total Phos	ptotalmeasured	The amount of total phosphorous in the less than 2mm fraction.
NZ Phos Retention	nzpretention	The phosphorous retention capacity, measured as a gravimetric percent, of the soil as determined by the New Zealand P Retention method. Phosphorous retention of soil material is used as a taxonomic criterion for andic soil properties. Andisols and other soils that contain large amounts of allophane and other amorphous minerals have capacities for binding P. Phosphate retention is also called P adsorption, sorption, or fixation. The value is reported as percent P retained in the soil.
Bulk Density One Third Bar H2O	dbthirdbar	The oven dry weight of the less than 2 mm soil material per unit volume of soil at a water tension of 1/3 bar.
Bulk Density Oven Dry	dbovendry	The oven dry weight of the less than 2 mm soil material per unit volume of soil exclusive of the desiccation cracks, measured on a coated clod.
Aggregate Stab Pct	aggstabpct	The gravimetric percent of 0.5mm - 2mm aggregates remaining after wet sieving.
H2O tenth bar clod	wtenthbarclod	The gravimetric percent water retained at 1/10 bar tension. It is measured on natural fabric (clods), and reported on a <2 mm base.
H2O tenth bar sieve	wtenthbarsieve	The gravimetric percent water content of air dry <2 mm samples, after equilibration at 1/10 bar water tension. It is reported on a <2 mm base. In sands, this value approximates field capacity.
H2O third bar clod	wthirdbarclod	The gravimetric percent water in natural fabric (clods) after equilibration at 1/3 bar water tension. It is reported on a <2 mm base.
H2O third bar sieve	wthirdbarsieve	The gravimetric percent water in sieved <2 mm samples after equilibration at 1/3 bar water tension. It is reported on a <2 mm base.
H2O 15 bar	wfifteenbarmeasured	The gravimetric water content of <2 mm air dry samples after equilibration at 15 bars water tension. It is reported on a <2 mm base. The value is influenced by clay %, mineralogy, and organic carbon %.
Water Retention Diff ws	wretentiondiffws	The volume of water released when the soil is dried from 1/3 bar to 15 bars of water tension. It is reported on a whole soil base as centimeters of water per centimeter depth of soil, but the value is constant for other units.

Column Label	Column Physical Name	Column Description
H2O 15 bar to clay ratio	wfifteenbartoclay	The ratio of 15 bar H2O percent / clay percent calculated by (W15AD or W15FM)/CLAY_TOT, reported as grams per gram, on a <2 mm base. It provides inferences about clay mineralogy and the effectiveness of dispersion in the particle size analysis.
ADOD ratio	adod	The ratio of air dry gravimetric percent water over oven dry (105 degrees C) gravimetric percent water. If gypsum is present, this ratio is corrected for crystal water in the gypsum.
LEP	lep	The linear expression of the volume difference of natural soil fabric at 1/3 or 1/10 bar water content and oven dryness. The volume change is reported as percent change for the whole soil.
COLE	cole	Coefficient of Linear Extensibility as determined by SSIR51V1-3.5.4
LL Measured	liquidlimitmeasured	The measured water content of the soil, expressed on a dry weight basis, at the change between the liquid and plastic states.
PI	pi	The numerical difference between the liquid limit and plastic limit.
Total Vol of Fragments GT 2 mm	totalfragvolgt2mm	The best estimate of the total horizon fragment volume, in percent, on a whole soil basis.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	ncsslayerlabdataiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: ncsspeldonlabdata

Table Label: NCSS Pedon Lab Data

Table Logical Name: ncss_pedon_lab_data

Column Label	Column Physical Name	Column Description
Lab Pedon Nmbr	pedlabsampnum	An identifier for the pedon sample that is assigned by the Kellogg Soil Survey Laboratory. This identifier is used to link the morphological pedon description with the associated measured property values from the laboratory.
Correlated Pedon	peiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
PSC Top Depth	psctopdepth	Depth to the top of the taxonomic particle size control section. (Soil Taxonomy)
PSC Bottom Depth	pscbotdepth	Depth to the bottom of the taxonomic particle size control section. (Soil Taxonomy)
Noncarb Clay Pct wt avg	noncarbclaywtavg	Noncarbonate clay is the soil separate with <0.002 mm particle diameter exclusive of clay size carbonate. The value provided here is reported as the weighted average percent of the <2 mm fraction for the particle size control section.
Clay Total Pct wt avg	claytotwtavg	Total clay is the soil separate with <0.002 mm particle diameter. Clay size carbonate is included. The value provided here is reported as the weighted average percent of the <2 mm fraction for the particle size control section.
LE 0 to 100 cm	le0to100	Linear extensibility is a linear expression of the volume change of natural soil fabric from 1/10 bar water content to oven dryness for sandy soils and from 1/3 bar water content to oven dryness for non-sandy soils. Linear extensibility is calculated by multiplying COLE for each layer by the thickness of that layer and summing the products for all layers to a depth of 100 cm.
Wt Fraction 0.1 to 75 mm wt avg	wf0175wtavgpsc	The gravimetric percentage of 0.1 to 75 mm diameter particles reported as the weighted average percent for the control section, on a <75 mm base.
Vol Fraction GT 2 mm wt avg	volfractgt2wtavg	The volumetric percentage of particles 2 mm. or larger reported as a weighted average for the control section.
CEC 7 to Clay Ratio wt avg	cec7clayratiowtavg	This ratio is calculated by CEC7/Clay reported as a weighted average for the control section. It provides an index to clay activity, and allows inferences about clay mineralogy, the contribution of clay to the exchange capacity, and solution chemistry to be made.
Data Sheet URL	labdatasheeturl	The URL link to the lab data sheet that allows the user to get additional analytical results data for this pedon than is included in this table.
NCSS Pedon NASIS Site	ncsspedbiidref	The internal ID (integer) of the NASIS Site that currently owns an object. Also known as the "owning NASIS Site ID". This value is assigned by NASIS and can only be changed by using the "Change Owner" function in NASIS.

Column Label	Column Physical Name	Column Description
NASIS Group	grpiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Object Last Updated	objwupdated	The date and time the corresponding object was last updated.
Object Last Updated By	objuseriidref	The key of the NASIS user who last updated the corresponding object.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	ncsspedonlabdataiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: nestedfreqquadratdetails

Table Label: Nested Frequency Quadrat Details

Table Logical Name: nested_freq_quadrat_details

Column Label	Column Physical Name	Column Description
Lineage	vegtransplantsummiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Quadrat Nmbr	quadratnumber	The number assigned to a particular quadrat within a plot or transect from which measurements were recorded.
Transect Point Location	transectpointlocation	The point of observation along the transect recorded as a distance from the starting point of the transect. Starting point of transect is zero.
Smallest Quadrat In	smallestquadratin	The identifying subquadrat number of the smallest subquadrat within a quadrat for nested frequency sampling where the referenced species was found. Higher numbers indicate larger sized subquadrats.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	nestedfreqquaddetailsiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: nestedfrequencysummary

Table Label: Nested Frequency Summary

Table Logical Name: nested_frequency_summary

Column Label	Column Physical Name	Column Description
Lineage	vegtransplantsummiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Subquadrat Nmbr	subquadratnumber	The identifying number of a subquadrat within a quadrat for nested frequency sampling. Higher numbers indicate larger sized subquadrats.
Subquadrat Size	subquadratsize	The size of the subquadrat represented by the length of one side of the subquadrat, in inches.
Nmbr of Subquadrat Hits	subquadrathitcount	For a given species, the number of subquadrats of a particular size where the referenced species was found along the transect.
Species Frequency	subquadratspeciesfreq	For a given species, the percentage of subquadrats of a particular size where the species was found along the transect.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	nestedfreqsummaryiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: othvegclass

Table Label: Other Vegetative Classification

Table Logical Name: other_veg_classification

Column Label	Column Physical Name	Column Description
Lineage	ovegcltypiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Other Veg Class ID	ovegclid	The identifier of a particular vegetative community other than one of the NRCS forestland or rangeland ecological sites described in the Ecological Site Description System.
Other Veg Class Name	ovegclname	The name of a particular vegetative classification community other than one of the NRCS forestland or rangeland ecological sites described in the Ecological Site Description System.
Other Veg Class Description	ovegcldesc	The narrative definition of a particular vegetative classification community other than one of the NRCS forestland or rangeland ecological sites described in the Ecological Site Description System.
Obsolete?	obterm	Indicates whether a term is obsolete.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	ovegcliid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: othvegclasstype

Table Label: Other Vegetative Classification Type

Table Logical Name: other_vegetation_class_type

Column Label	Column Physical Name	Column Description
Other Veg Class Type Name	ovegcltypname	The name of a particular vegetative classification scheme other than that described in the NRCS Ecological Site Description System. An example might be "West Virginia Grassland Suitability Groups."
Other Veg Class Type Reference	ovegcltypref	The reference citation for a particular vegetative classification scheme, typically a publication.
Other Veg Class Type Description	ovegcltypdesc	The narrative definition of a particular vegetative classification type other than one of the NRCS forestland or rangeland ecological types described in the Ecological Site Description System.
Other Veg Class Type NASIS Site	ovegcltypdbiidref	The internal ID (integer) of the NASIS Site that currently owns an object. Also known as the "owning NASIS Site ID". This value is assigned by NASIS and can only be changed by using the "Change Owner" function in NASIS.
NASIS Group	grpiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Object Last Updated	objwupdated	The date and time the corresponding object was last updated.
Object Last Updated By	objuseriidref	The key of the NASIS user who last updated the corresponding object.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	ovegcltypiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: paoccurrence

Table Label: Plant Area Occurrence

Table Logical Name: plant_area_occurrence

Column Label	Column Physical Name	Column Description
Lineage	plantiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Area	areaiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Area Common Name	plantareacomnm	The most generally accepted common name of a plant.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	plantareaociid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: pediagfeatrefecmdoc

Table Label: Pedon Diagnostic Features Reference ECM Documents

Table Logical Name: pedon_diag_feat_ref_ecm_doc

Column Label	Column Physical Name	Column Description
Lineage	pediagfeatiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
ECM Document Type	ecmdoctype	The type of document that is in ECM. Such as, image (photo of the landscape, the soil profile, etc.), diagram (block diagram, cross-section of site, etc.), spreadsheet of some kind of data taken at the site but doesn't have a place in the NASIS point data and is not part of the KSSL measured data.
ECM Document Name	ecmdocname	The name (title) of the document being entered or retrieved from the Enterprise Content Management System.
ECM Document URL	ecmdockeyurl	Unique key created by ECM when a document is uploaded into ECM. To populate this field in NASIS the user must get the key from ECM. Copy it and then paste into this NASIS field.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	pediagfeatrefecmdociid	NASIS automatically assigns the record ID when a new row is created and uses this number as part of an internal key to uniquely identify each record in the database. This column always has protected status and can never be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: pediagfeatures

Table Label: Pedon Diagnostic Features

Table Logical Name: pedon_diagnostic_features

Column Label	Column Physical Name	Column Description
Lineage	peiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Top Depth	featdept	The distance from the top of the soil to the upper boundary of the identified diagnostic horizon or to the upper limit of the occurrence of the diagnostic feature.
Bottom Depth	featdepb	The distance from the top of the soil to the base of the identified diagnostic horizon or to the lower limit of the occurrence of the diagnostic feature.
Thickness	featthick	The distance from the upper to lower boundary of the identified diagnostic horizon or feature.
Kind	featkind	Kind of diagnostic horizon or diagnostic feature in the soil.
Record When Last Updated	recwlupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	pediagfeatiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: pedon

Table Label: Pedon

Table Logical Name: pedon

Column Label	Column Physical Name	Column Description
Site/Site Obs	siteobsiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
User Pedon ID	upedonid	A short label to help a user identify a particular pedon.
Pedon Record Origin	pedrecorigin	A label describing the original source of a particular pedon data record, i.e. NSSL, Nebraska, or Saunders County Soil Survey.
Describer Name	descname	Name of person(s) that described the soil.
Current Taxon Name	taxonname	The name of the taxonomic unit.
Local Phase	localphase	Phase criterion to be used to help uniquely identify soil components or pedons. These are terms such as "drained", "eroded", etc.
Current Taxonomic Class	taxclname	A concatenation of the Soil Taxonomy subgroup and family for a soil (long name).
Current Taxon Kind	taxonkind	Identifies the kind of taxonomic unit described. Examples are series and miscellaneous areas.
Pedon Type	pedontype	Identification of what the description represents in relation to a series, component, etc.
Pedon Purpose	pedonpurpose	The identification of the intended purpose of the profile description.
Pedon #	pedonunit	The consecutive number of the pedon sampled in a particular survey area in a particular year.
Certified Lab Pedon Description?	labdatadescflag	An indicator of whether or not this pedon record is the one certified for distribution with analytical lab results from the Soil Survey Laboratory and other National Cooperative Soil Survey Laboratories.
Exposure Width	relexpwidth	The approximate width of the soil exposure observed and/or sampled. UOM is cm.
Erosion Class	erocl	Class of accelerated erosion. (SSM)
Lab Source ID	labsourceid	An identifying value to indicate which Soil characterization laboratory was responsible for analyzing the samples from the pedon.

Column Label	Column Physical Name	Column Description
Lab Pedon #	pedlabsampnum	An identifier for the pedon sample that is assigned by the Kellogg Soil Survey Laboratory. This identifier is used to link the morphological pedon description with the associated measured property values from the laboratory.
Transect	tsectiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Transect Stop Number	tsectstopnum	The stop number along the specified transect.
Transect Interval	tsectinterval	The distance between the previous point and the current point in a transect.
RaCA Point Nmbr	rcapointnumber	The number of the individual pedon/observation point within the RaCA plot.
Soil Replicate Nmbr	soilreplicatenum	The unique numeric identifier of the pedon/observation point location within a plot.
Azimuth From Plot Center	azimuthfromplotcenter	The azimuth that this pedon/sample location is on from the center or reference point of a plot.
Distance From Plot Center	distancefromplotcenter	The distance this pedon/sample location is from the center or reference point of a plot.
Rectangular Plot Line Nmbr	rectangularplotlinenum	The number of the line within a rectangular plot on which this pedon/sample location occurs.
Distance From Baseline	distancefrombaseline	The distance this pedon/sample location is from the baseline of a square plot.
Pedoderm Class	pedodermclass	A description of the type of material that occurs at the air/soil interface.
Pedoderm Loose Cover Indicator?	pedodermcovind	An indicator of the presence of loose mineral soil material overlying a pedoderm.
Biol Crust Type Dominant	biolcrusttypedom	The dominant type of biological crust observed.
Biol Crust Type Secondary	biolcrusttypesecnd	The secondary type of biological crust observed.
Physical Crust Subtype	physcrustsubtype	A subcategory of physical crust pedoderm class denoting the primary mechanism involved in their formation.
Crust Dev Class	crustdevcl	An expression of the strength or degree of development of the crust being described.

Column Label	Column Physical Name	Column Description
Range Veg Canopy Type Dominant	rangevegcanopytypedom	The dominant type of range vegetation present.
Range Veg Canopy Type Secondary	rangevegcanopytypesec	The secondary type of range vegetation present.
Forest Overstory Veg Type	forestoverstoryvegtype	The type of vegetation comprising the forest overstory strata.
Forest Understory Veg Type	forestunderstoryvegtype	The type of vegetation comprising the forest understory strata.
Forest Groundcover Veg Type Dominant	forestgroundcovvegtypedom	The dominant type of vegetation comprising the forest groundcover strata.
Forest Groundcover Veg Type Secondary	forestgroundcovvegtypesec	The secondary type of vegetation comprising the forest groundcover strata.
Agronomic Feature	agronomicfeature	The type of agronomic feature present at the sample location.
Other Feature Description	otherfeaturedescription	A description of other features that might affect fine-scale variability - e.g. trail, tree-throw, etc.
Current Crop	currentcropname	The name of the most recent or current crop.
Litter Cover Pct	littercoverpct	The percent of the soil surface covered by plant litter at the sample point location. This includes all types of plants including crops.
Residue Description	residuedescription	A narrative description of plant and/or crop residue that is on the site prior to sampling activities.
Hydric?	pedonhydricrating	An indicator of whether or not the location meets the criteria of a hydric soil.
Pedon Cert Status	pecertstatus	An indicator of the level of review and certification for use that the pedon description data has received.
QC Status	peqcstatus	Designation of the level of quality control review that a pedon and associated laboratory data has undergone.
QA Status	peqastatus	Designation of the level of quality assurance review that a pedon and associated laboratory data has undergone.

Column Label	Column Physical Name	Column Description
SAS Pipe Length Total	saspipelengthtot	The total length of the collection tube used for sampling subaqueous soils.
SAS Pipe Length External	saspipelengthext	The length of the collection tube used for sampling subaqueous soils that extends above the soil surface after insertion of the tube, as measured on the exterior of the tube.
SAS Pipe Length Unfilled	saspipelengthunfilled	The unfilled length of the collection tube used for sampling subaqueous soils that extends above the soil surface after insertion of the tube, as measured on the interior of the tube.
SAS Core Settlement	sascoresettlement	The amount of settlement/compaction (also called 'rot') of the subaqueous soil core. Computed by subtracting riser length from unfilled pipe length.
SAS Core Length	sascorelength	The measured length of the subaqueous soil core.
SAS Core Storage Site	sascorestoragesite	The location where the subaqueous core is stored.
SAS Exposure Begin	sasexposurebegin	The clock time that the sample core was opened and exposed to aerobic conditions for description.
SAS Exposure End	sasexposureend	The clock time that the sample core was closed to aerobic conditions after the description was completed.
Pedon NASIS Site	pedbiidref	The internal ID (integer) of the NASIS Site that currently owns an object. Also known as the "owning NASIS Site ID". This value is assigned by NASIS and can only be changed by using the "Change Owner" function in NASIS.
NASIS Group	grpriidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Object Last Updated	objwupdated	The date and time the corresponding object was last updated.
Object Last Updated By	objuseriidref	The key of the NASIS user who last updated the corresponding object.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Rec ID	peiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: pedondbcolumnmetadata

Table Label: Pedon Database Column Metadata

Table Logical Name: pedon_db_column_metadata

Column Label	Column Physical Name	Column Description
Pedon Database Table ID	pedondbtableid	An integer value that identifies a table in a Pedon database.
Pedon Database Column ID	pedondbcolumnid	An integer value that identifies a column in a Pedon database.
Pedon Database Column Sequence	pedondbcolumnsequence	The sequence of column in its corresponding table in a Pedon database.
Pedon Database Column Name	pedondbcolumnname	The physical name of a column in a Pedon database.
Import Pedon Diagnostic Message Column Label	ipdiagmsgcolumnlabel	The name by which a Pedon database column is referenced in a Pedon Import diagnostic message.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: pedondbtablemetadata

Table Label: Pedon Database Table Metadata

Table Logical Name: pedon_db_table_metadata

Column Label	Column Physical Name	Column Description
Pedon Database Table ID	pedondbtableid	An integer value that identifies a table in a Pedon database.
Pedon Database Table Name	pedondbtablename	The physical name of a table in a Pedon database.
Pedon Database Object Name	pedondbobjectname	The name of a data object in the pedon database, i.e. either "Site", "Pedon", "Transect" or "Site Association".
Import Pedon Diagnostic Message Table Label	ipdiagmsgtablelabel	The name by which a Pedon database table is referenced in a Pedon Import diagnostic message.
Import Pedon Diagnostic Message SQL Statement	ipdiagmsgsqlstmt	A SQL statement used in the construction of an import pedon diagnostic message for the corresponding table in a Pedon database. The statement returns the User ID and Rec ID of the Site, Transect or Site Association associated with the corresponding table in a Pedon database.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: pedonrefecmdoc

Table Label: Pedon Reference ECM Documents

Table Logical Name: pedon_ref_ecm_doc

Column Label	Column Physical Name	Column Description
Lineage	peiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
ECM Document Type	ecmdoctype	The type of document that is in ECM. Such as, image (photo of the landscape, the soil profile, etc.), diagram (block diagram, cross-section of site, etc.), spreadsheet of some kind of data taken at the site but doesn't have a place in the NASIS point data and is not part of the KSSL measured data.
ECM Document Name	ecmdocname	The name (title) of the document being entered or retrieved from the Enterprise Content Management System.
ECM Document URL	ecmdockeyurl	Unique key created by ECM when a document is uploaded into ECM. To populate this field in NASIS the user must get the key from ECM. Copy it and then paste into this NASIS field.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	pedonrefecmdociid	NASIS automatically assigns the record ID when a new row is created and uses this number as part of an internal key to uniquely identify each record in the database. This column always has protected status and can never be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: pefmp

Table Label: Pedon Field Measured Property

Table Logical Name: pedon_field_meas_prop

Column Label	Column Physical Name	Column Description
Lineage	peiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Field Measured Property Name	fmpname	The name assigned to an user defined field measured property. To be used when the parameter to be recorded does not already exist elsewhere in the database.
Field Measured Property Value	fmpvalue	The measured or observed value of the specific user defined parameter.
UOM	fmpunits	The unit of measure associated with a particular field measurement.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	pefmpiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: pehydricfieldindicator

Table Label: Pedon Hydric Field Indicator

Table Logical Name: pedon_hydric_field_indicator

Column Label	Column Physical Name	Column Description
Lineage	peiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Hydric Field Indicator	hydricsoilfieldindicator	The hydric soil indicator used to make the hydric soil rating determination. Reference: Field Indicators of Hydric Soils, version 7.0.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	pehydricfieldindiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: peinfilcornelldata

Table Label: Pedon Infiltration Cornell Infiltrometer Data

Table Logical Name: pedon_infiltration_cornll_data

Column Label	Column Physical Name	Column Description
Lineage	peinfilcornelliidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Run Nmbr	infiltrationrunnum	The number of an individual infiltration run or reading.
Delta Time	deltatime	The elapsed time between readings, reported in decimal minutes.
Vol of Water Collected	volwatercollected	The amount of water that has runoff into the collection container in that time increment.
Infiltration Rate	infiltrationmeasured	An infiltration measurement associated with each drop in water level (in mariotte reservoir) from a single or double ring run during the time interval recorded.
Incremental Runoff Rate	incrrunoffrate	The runoff rate during each time increment.
Incremental Infiltration Rate	incrinfiltrationrate	The infiltration rate during each time increment.
Steady State Flag	steadystateflag	An indicator of whether the system has achieved steady state or not. Yes indicates a steady state, and no indicates that steady state has not been achieved yet. Flag indicates that this measurement should be used to calculate the infiltration rate; method recommends 4 constant (steady state) readings be taken before ending
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	peinfilcornelldataiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: peinfilncornell

Table Label: Pedon Infiltration Cornell Infiltrometer

Table Logical Name: pedon_infiltration_cornell

Column Label	Column Physical Name	Column Description
Lineage	peinfilsumiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Test Date	testdate	The date on which the test was conducted.
Rep Nnbr	repnum	The unique number assigned to a particular replicate measurement or test within a study.
Notes	notes	Notes describing decisions, issues, or other history related to the record.
Ring Insert Depth	ringinsertiondepth	The depth to which the ring is inserted or driven into the soil.
Ring Radius	ringradius	The inside radius of the ring (inner ring if using double ring configuration).
Rainfall Height	rainfallheight	The height of dripper/sprinkle above soil surface.
Begin Water Height	beginwaterheight	The height of water in dripper/sprinkler vessel at the beginning of the replicate. Ref. Cornell Sprinkle Infiltration Manual.
End Water Height	endwaterheight	The height of water in dripper/sprinkler vessel at the end of the replicate. Ref. Cornell Sprinkle Infiltration Manual.
Calibrated Sprinkle Rate	calibratedsprinklerate	The rate of water sprinkler calibrated before the replicate begins. Ref. Cornell Sprinkle Infiltration Manual.
Time to Runoff	timetorunoff	The time it takes for water to begin running out of the ring.
Total Time	totaltime	The total time of observation.
Soil Type Conversion	soiltypeconversion	The conversion factor to account for three dimensional flow at the bottom of the ring. Use the table below to select the conversion factor. 7 and 15 cm is the Ring Insertion Depth. ===== Soil Type 7 cm 15 cm ===== sands and gravel 0.95 0.99 loams 0.80 0.94 clay and heavy clay loams 0.60 0.88 ===== Ref: Cornell Sprinkle Infiltration Manual.
Representative Rainfall Rate	representativerainfallrate	The rate of rainfall during each replicate; referred to as simulated rainfall rate.
Infiltration Rate	infiltrationrate	Rate the water infiltration the soil surface.
Runoff Rate	runoffrate	The rate at which water runs off the soil surface.

Column Label	Column Physical Name	Column Description
Sorptivity	sorptivity	Sorptivity expresses the tendency of the soil to absorb and transmit water by capillarity. It describes early infiltration independent of rainfall rate.
Field Saturated Infiltrability	fieldsaturatedinfiltrability	This reflects the steady-state infiltration capacity of the soil, after wet-up.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	peinfilcornelliid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: peinfiltrationch

Table Label: Pedon Infiltration Constant Head

Table Logical Name: pedon_infiltration_const_head

Column Label	Column Physical Name	Column Description
Lineage	peinfilsumiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Test Date	testdate	The date on which the test was conducted.
Rep Nmbr	repnum	The unique number assigned to a particular replicate measurement or test within a study.
Infiltration Rate	infiltrationmeasured	An infiltration measurement associated with each drop in water level (in mariotte reservoir) from a single or double ring run during the time interval recorded.
Ring Configuration	infiltrationringconfig	The configuration of rings used to measure infiltration rate in the field.
Ring Insertion Depth	ringinsertiondepth	The depth to which the ring is inserted or driven into the soil.
Ring Radius	ringradius	The inside radius of the ring (inner ring if using double ring configuration).
Water Ponding Depth	waterponddepth	Depth from the top of the soil to the top of the water ponded on top of the soil inside the ring (inner ring if using double ring configuration).
Mariotte Bottle Radius	mariottebottleradius	The inside radius of the mariotte bottle or reservoir.
Notes	notes	Notes describing decisions, issues, or other history related to the record.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	peinfilconstheadiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: peinfiltrationchdata

Table Label: Pedon Infiltration Constant Head Data

Table Logical Name: pedon_infiltration_ch_data

Column Label	Column Physical Name	Column Description
Lineage	peinfilconstheadiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Run Nmbr	infiltrationrunnum	The number of an individual infiltration run or reading.
Water Drop	waterdrop	The drop in water measured during a time interval.
Delta Time	deltatime	The elapsed time between readings, reported in decimal minutes.
Infiltration Rate	infiltrationmeasured	An infiltration measurement associated with each drop in water level (in mariotte reservoir) from a single or double ring run during the time interval recorded.
Steady State Flag	steadystateflag	An indicator of whether the system has achieved steady state or not. Yes indicates a steady state, and no indicates that steady state has not been achieved yet. Flag indicates that this measurement should be used to calculate the infiltration rate; method recommends 4 constant (steady state) readings be taken before ending
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	peinfilchdataiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: peinfiltrationfh

Table Label: Pedon Infiltration Falling Head

Table Logical Name: pedon_infiltration_fall_head

Column Label	Column Physical Name	Column Description
Lineage	peinfilsumiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Test Date	testdate	The date on which the test was conducted.
Rep Nmbr	repnum	The unique number assigned to a particular replicate measurement or test within a study.
Infiltration Rate	infiltrationmeasured	An infiltration measurement associated with each drop in water level (in mariotte reservoir) from a single or double ring run during the time interval recorded.
Ring	infiltrationringconfig	The configuration of rings used to measure infiltration rate in the field.
Ring Insertion Depth	ringinsertiondepth	The depth to which the ring is inserted or driven into the soil.
Ring Radius	ringradius	The inside radius of the ring (inner ring if using double ring configuration).
Notes	notes	Notes describing decisions, issues, or other history related to the record.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	peinfilfallheadiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: peinfiltrationfhdata

Table Label: Pedon Infiltration Falling Head Data

Table Logical Name: pedon_infiltration_fh_data

Column Label	Column Physical Name	Column Description
Lineage	peinfilfallheadiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Run Nmbr	infiltrationrunnum	The number of an individual infiltration run or reading.
Delta Time	deltatime	The elapsed time between readings, reported in decimal minutes.
Water Volume	infiltrationwatervolume	The volume of water added (usually to 2.54 cm or 1 inch depth) to ring (inner-ring if using double ring configuration).
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	pedoninfilfhdataiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: peinfiltrationsummary

Table Label: Pedon Infiltration Summary

Table Logical Name: pedon_infiltration_summary

Column Label	Column Physical Name	Column Description
Lineage	peiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Test Date	testdate	The date on which the test was conducted.
Data Collector	datacollector	The name of the person collecting the measurements or observations.
Infiltration Mean	infiltrationmean	The arithmetic mean of infiltration rates obtained from the various replications of an infiltration measurement test at a particular location on a particular date.
Infiltration Std Dev	infiltrationstddev	The statistical standard deviation of the calculated mean infiltration obtained from the various replications of an infiltration test at a particular location on a particular date.
Test Method	infiltrationtestmethod	The method used to measure infiltration rate.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	pedoninfilsumiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: pepenetrationresistance

Table Label: Pedon Penetration Resistance

Table Logical Name: pedon_penetration_resistance

Column Label	Column Physical Name	Column Description
Lineage	peiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Depth	penetrometerdepth	The distance from the soil surface at which the penetration resistance measurement was taken.
Observed Moist Staus	obssoimoiststat	The relative moisture state of the soil layer at the time of observation.
Tip Type	penetrometertiptype	The type of tip used on the penetrometer take the measurement.
Spring Type	penetrometerspringtype	The type of spring used in the penetrometer to take the measurement.
Penetration Orientation	penetorient	The orientation of the penetrometer rod when inserted into the soil.
Reading 1	penetrometerreading1	The first penetrometer reading taken at the indicated depth.
Reading 2	penetrometerreading2	The second penetrometer reading taken at the indicated depth.
Reading 3	penetrometerreading3	The third penetrometer reading taken at the indicated depth.
Reading 4	penetrometerreading4	The fourth penetrometer reading taken at the indicated depth.
Data Collector	datacollector	The name of the person collecting the measurements or observations.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	pepenetrometeriid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: This table records penetration resistance data for a particular pedon.

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: perestrictions

Table Label: Pedon Restrictions

Table Logical Name: pedon_restrictions

Column Label	Column Physical Name	Column Description
Lineage	peiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Top Depth	resdept	The distance from the soil surface to the upper boundary of the restrictive layer.
Bottom Depth	resdepb	The distance from the soil surface to the lower boundary of the restrictive layer.
Thickness	resthk	The distance from the top to bottom of a restrictive layer.
Kind	reskind	Type of nearly continuous layer that has one or more physical, chemical, or thermal property(ies) that significantly reduce the movement of water and air through the soil or that otherwise provides an unfavorable root environment.
Hardness	reshard	The rupture resistance of air dried and then submerged block-like specimens of mineral material.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	perrestrictiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: perrestrictionsrefecmdoc

Table Label: Pedon Restrictions Reference ECM Documents

Table Logical Name: pedon_restrictions_ref_ecm_doc

Column Label	Column Physical Name	Column Description
Lineage	perrestrictionsiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
ECM Document Type	ecmdoctype	The type of document that is in ECM. Such as, image (photo of the landscape, the soil profile, etc.), diagram (block diagram, cross-section of site, etc.), spreadsheet of some kind of data taken at the site but doesn't have a place in the NASIS point data and is not part of the KSSL measured data.
ECM Document Name	ecmdocname	The name (title) of the document being entered or retrieved from the Enterprise Content Management System.
ECM Document URL	ecmdockeyurl	Unique key created by ECM when a document is uploaded into ECM. To populate this field in NASIS the user must get the key from ECM. Copy it and then paste into this NASIS field.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	perrestrictsrefecmdociid	NASIS automatically assigns the record ID when a new row is created and uses this number as part of an internal key to uniquely identify each record in the database. This column always has protected status and can never be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: pesoilstability

Table Label: Pedon Soil Stability

Table Logical Name: pedon_soil_stability

Column Label	Column Physical Name	Column Description
Lineage	peiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Depth	soilstabilitydepth	The distance below the soil surface at which the soil stability measurement was taken.
Sample Collector	samplecollector	The name of the person collecting the samples.
Data Collector	datacollector	The name of the person collecting the measurements or observations.
Test Date	testdate	The date on which the test was conducted.
Stability Class Rep 1	soilstabilityclass1	The first result or replication of the soil stability test for a particular depth.
Stability Class Rep 2	soilstabilityclass2	The second result or replication of the soil stability test for a particular depth.
Stability Class Rep 3	soilstabilityclass3	The third result or replication of the soil stability test for a particular depth.
Stability Class Predominant	soilstabilityclasspredom	The dominant class reflected in the three replications of the soil stability test.
Rep 1 Hydrophobic?	soilhydrophobicind1	An indicator as to whether the sample on which the first replication of the soil stability test at a particular depth is run is hydrophobic.
Rep 2 Hydrophobic?	soilhydrophobicind2	An indicator as to whether the sample on which the second replication of the soil stability test at a particular depth is run is hydrophobic.
Rep 3 Hydrophobic?	soilhydrophobicind3	An indicator as to whether the sample on which the third replication of the soil stability test at a particular depth is run is hydrophobic.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.

Column Label	Column Physical Name	Column Description
Rec ID	pesoilstabilityiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: This table records data collected related to soil aggregate stability.

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: petaxhistfmmin

Table Label: Pedon Taxonomic History Family Mineralogy

Table Logical Name: pedon_tax_hist_fam_mineralogy

Column Label	Column Physical Name	Column Description
Lineage	pedtaxhistoryiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Vertical Order	minorder	The vertical sequence in which the different mineralogies occurs, when more than one exists for one soil profile. If only one occurs for a soil, i.e. no lithologic discontinuities, no entry is needed.
Mineralogy	taxminalogy	Mineralogy classes are used as family differentiae. They are based on the approximate mineralogical composition of selected size fractions of the same segment of the soil (control section) that is used for application of particle-size classes. (Soil Taxonomy)
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	petaxfmminiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: petaxhistmoistcl

Table Label: Pedon Taxonomic History Moisture Class

Table Logical Name: pedon_tax_hist_moisture_class

Column Label	Column Physical Name	Column Description
Lineage	pedtaxhistoryiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Moisture Class	taxmoistcl	Soil moisture classes are unique to the family classification, though not included specifically in the name, this is a mechanism to provide clear identification of the actual moisture regime.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	petaxmciid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: petaxhistory

Table Label: Pedon Taxonomic History

Table Logical Name: pedon_tax_history

Column Label	Column Physical Name	Column Description
Lineage	peiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Classification Date	classdate	The date this particular classification and/or taxon name was assigned.
Classification Type	classtype	The location or type of classification and/or taxon name applied.
Classifier	classifier	The name of the person who assigned this particular classification.
Taxon Name	taxonname	The name of the taxonomic unit.
Local Phase	localphase	Phase criterion to be used to help uniquely identify soil components or pedons. These are terms such as "drained", "eroded", etc.
Taxon Kind	taxonkind	Identifies the kind of taxonomic unit described. Examples are series and miscellaneous areas.
Series Status	seriesstatus	The status assigned to the named series in the Soil Classification database.
Taxonomic Class	taxclname	A concatenation of the Soil Taxonomy subgroup and family for a soil (long name).
Order	taxorder	The highest level in Soil Taxonomy.
Suborder	taxsuborder	The second level of Soil Taxonomy. The suborder is below the order and above the great group.
Great Group	taxgrtgroup	The third level of Soil Taxonomy. The category is below the suborder and above the subgroup.
Subgroup	taxsubgrp	The fourth level of Soil Taxonomy. The subgroup is below great group and above family.
Particle Size	taxpartsize	Particle-size classes are used as family differentiae. Particle-size refers to grain-size distribution of the whole soil and is not the same as texture. (Soil Taxonomy).
Particle Size Mod	taxpartsizemod	Taxonomic family criteria that is used to indicate the presence of more than two strongly contrasting classes in the particle size control section. (Soil Taxonomy)
CEC Activity Class	taxceactcl	Cation exchange activity classes are used as family criteria differentiae. It is the relative cation exchange (CEC) activity level of the soil based on the CEC to clay ratio. (Soil Taxonomy)

Column Label	Column Physical Name	Column Description
Reaction	taxreaction	Indicates the presence or absence of carbonates and the reaction. They are treated together because of their intimate relationship, and are used to indicate family differentiae. (Soil Taxonomy)
Tax Family Temp Class	taxtempcl	The taxonomic family temperature class used to construct the official classification name. It may be null when the taxonomic family temperature class is embedded in the classification name. The actual taxonomic temperature regime is recorded in another place.
Moist Subclass	taxmoistscl	Soil moisture subclasses identify soil moisture regime intergrades or extragrades, except for "typic", and are taxonomic subgroup criteria whether included or not in the name of the subgroup. The definition of each subclass is dependent upon the specific taxonomic great group to which it is attached.
Temp Regime	taxtempregime	Soil temperature regime as defined in Soil Taxonomy.
HAHT Material Class	taxfamhahatmatcl	Human-altered and human-transported material classes are used as family differentiae. They are intended to provide useful information on the behavior and interpretations for use of soils formed in human-altered or human-transported material (Keys to Soil Taxonomy).
Keys to Taxonomy Edition Used	soiltaxedition	The edition of Keys to Soil Taxonomy used to classify the soil.
PSC Top Depth	psctopdepth	Depth to the top of the taxonomic particle size control section. (Soil Taxonomy)
PSC Bottom Depth	pscbotdepth	Depth to the bottom of the taxonomic particle size control section. (Soil Taxonomy)
OSD Type Location?	osdtypelocflag	An indicator of whether or not this pedon record is/was used as the typical pedon for the named series.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	petaxhistoryiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: petext

Table Label: Pedon Text

Table Logical Name: pedon_text

Column Label	Column Physical Name	Column Description
Lineage	peiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Date	recdate	The date associated with a particular record, expressed as month, day, year—xx/xx/xxxx.
Author	recauthor	Name of the person who entered, or is responsible for, a particular record.
Kind	pedontextkind	A text entry is identified by its kind, category, and subcategory. Kind is the highest division of classification. "Correlation notes" and "Nontechnical description" are two kinds of text entries.
Category	textcat	A text entry is identified by its kind, category, and subcategory. Category is a subdivision of kind. "Agr" and "Soi" are two categories for the text kind "Nontechnical Description".
Subcategory	textsubcat	A text entry is identified by its kind, category, and subcategory. Subcategory is a subdivision of category. For text kind "Nontechnical" description and text category "Agr", subcategory would correspond to the SSSD field "desnum".
Text Entry	textentry	The actual narrative text portion of a text entry. The other parts of a text entry are its identifiers: kind, category and subcategory.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	petextiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: petxhistfmother

Table Label: Pedon Taxonomic History Family Other Criteria

Table Logical Name: pedon_tax_hist_fam_other

Column Label	Column Physical Name	Column Description
Lineage	pedtaxhistoryiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Family Other	taxfamother	Soil characteristics other than the defined family characteristics of particle-size classes, mineralogy classes, cation-exchange activity classes, calcareous and reaction classes, and soil temperature classes.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	petaxfoiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: phcemagent

Table Label: Pedon Horizon Cementing Agent

Table Logical Name: phorizon_cement_agent

Column Label	Column Physical Name	Column Description
Lineage	phiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Cementing Agent	ruprescem	Any substance that bonds soil particles into hard, brittle masses that persist even when wet.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	phcemagentiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: phcoledata

Table Label: Pedon Horizon COLE Data

Table Logical Name: phorizon_cole_data

Column Label	Column Physical Name	Column Description
Lineage	phlabresultiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Rep Nmbr	repnum	The unique number assigned to a particular replicate measurement or test within a study.
COLE Reading	phcolereading	Coefficient of Linear Extensibility (COLE) value from an individual clod, rod, or soil mold as determined by SSIR51V1-3.5.4.
COLE Method	phcolemethod	The method used to measure COLE - coefficient of linear extensibility.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	phcoledataiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: phcolor

Table Label: Pedon Horizon Color

Table Logical Name: phorizon_color

Column Label	Column Physical Name	Column Description
Lineage	phiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Color Pct	colorpct	Percent of the soil specimen occupied by a particular color.
Hue	colorhue	A measure of the dominant wavelength of light using Munsell notation system.
Value	colorvalue	A measure of the lightness of soil color relative to neutral gray using the Munsell notation system.
Chroma	colorchroma	A measure of the relative strength of a spectral color using the Munsell notation system.
Phys State	colorphysst	The physical condition or location of the soil sample used to determine soil color.
Moist State	colormoistst	An estimate of the amount of water held within a soil sample in relation to its effect on reflectance of light. Expressed as either moist or dry.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	phcoloriid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: phconccolor

Table Label: Pedon Horizon Concentrations Color

Table Logical Name: phorizon_concentrations_color

Column Label	Column Physical Name	Column Description
Lineage	phconceniidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Color Pct	colorpct	Percent of the soil specimen occupied by a particular color.
Hue	colorhue	A measure of the dominant wavelength of light using Munsell notation system.
Value	colorvalue	A measure of the lightness of soil color relative to neutral gray using the Munsell notation system.
Chroma	colorchroma	A measure of the relative strength of a spectral color using the Munsell notation system.
Moist State	colormoistst	An estimate of the amount of water held within a soil sample in relation to its effect on reflectance of light. Expressed as either moist or dry.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	phconccoloriid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: phconcs

Table Label: Pedon Horizon Concentrations

Table Logical Name: phorizon_concentrations

Column Label	Column Physical Name	Column Description
Lineage	phiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Percent	concpct	The amount (percent) of accumulated or segregated materials present based on the percentage of surface area covered of a broken face specimen sample. The observation is made without rubbing or smoothing the face in any manner.
Size	concsize	The dimension of the concentration, in which the measurement is dependent upon the concentration shape. (SSM)
Contrast	concntrst	The degree of visual distinction that is evident at the interface between the concentration and the surrounding soil. (SSM)
Hardness	conchardness	The degree to which a concentration resists crushing.
Shape	concshape	A description of the multiaxial shape of the concentration.
Kind	conckind	Any relatively homogeneous accumulation or segregation of substance dissimilar to the surrounding matrix. (SSM) Includes both pedogenic and non-pedogenic substances.
Location	conclocation	Location of the concentration in relation to other morphological soil properties.
Boundary	concboundary	Thickness of the gradation in color between the concentration and adjacent soil color. (SSM)
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	phconceniid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: phcracks

Table Label: Pedon Horizon Cracks

Table Logical Name: phorizon_cracks

Column Label	Column Physical Name	Column Description
Lineage	phiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Frequency	crackfreq	The average number of cracks, per meter, observed across the soil profile as determined by a line-intercept method. Multiple measurements are taken, then averaged for recording. For surface horizons this is measured on a horizontal plane of the soil surface before disturbing the soil. For subsurface horizons it is measured on a vertical plane of the soil exposure.
Kind	crackkind	The kind of crack being described.
Depth	crackdepth	The average apparent depth, measured in centimeters from the soil surface, to which a surface connected crack extends into the soil as determined by the wire-insertion method (about 2 mm. diameter wire). This method commonly gives a standard but conservative measure of the actual fracture depth. Do not record for cracks that are not open to the soil surface.
Width	crackwidth	The average width of cracks described in the soil horizon or layer, measured in centimeters.
Extends to Horizon Above?	crackextabove	An indicator that the described crack extends from the horizon being described to the horizon above.
Extends to Horizon Below?	crackextbelow	An indicator that the described crack extends from the horizon being described to the horizon below.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	phcracksiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: phdb

Table Label: Pedon Horizon Bulk Density

Table Logical Name: phorizon_db

Column Label	Column Physical Name	Column Description
Lineage	phiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Top Depth	bddepthtop	The depth to the top of the layer from which the bulk density sample was taken.
Bottom Depth	bddepthbottom	The depth to the bottom of the layer from which the bulk density sample was taken.
Db Method	bdmethod	The method used to obtain the bulk density sample.
Data Collector	datacollector	The name of the person collecting the measurements or observations.
Field Moist Volume	samplevolfieldmoist	The field moist volume of the total sample.
Field Moist Sample Wt	totalsamplewtfm	The field moist weight of the total sample.
Air Dry Sample Wt	totalsamplewtairdry	The air dry weight of the total sample.
Field Moist Coarse Fragment Wt	coarsefragwtfm	The field moist weight of coarse fragments in the sample.
Air Dry Fragment Wt	coarsefragwtairdry	The air dry weight of coarse fragments in the sample.
Fragment Density	coarsefragdensity	The particle density of the coarse fragments in the sample.
Coarse Fragment Volume	coarsefragvolmeasured	The field measured volume of coarse fragments in the sample.
Air Dry Subsample Wt	subsamplewtairdry	The air dry weight of the subsample.
Oven Dry Subsample Wt	subsamplewtod	The oven dry weight of the subsample.

Column Label	Column Physical Name	Column Description
Observed Gravimetric Whole Soil Moisture Pct	obsgrsoimoist	The measured amount of water in the soil layer, expressed as a weight percentage.
Grav Moist Soil Pct Fine Earth	obsgravsoilmoistfe	The measured amount of water in the less than 2 mm fraction of the soil, expressed as a weight percentage.
Bulk Density FM Fine Earth	bdfieldmoistfineearth	The oven dry weight of the less than 2 mm soil material per unit field moist volume of soil exclusive of the desiccation cracks.
Bulk Density FM Whole Soil	bdfieldmoistwhole	The oven dry weight of the whole soil per field moist unit volume of soil exclusive of the desiccation cracks.
Bulk Density OD Whole Soil	bdovendrywhole	The oven dry weight of the whole soil per unit field oven dry volume of soil exclusive of the desiccation cracks.
Bulk Density OD Fine Earth	bdovendryfineearth	The oven dry weight of the less than 2 mm soil material per unit field oven dry volume of soil exclusive of the desiccation cracks.
Bulk Density Satiated	bdsatiated	Bulk density, satiated (pbsat) is the oven-dry weight of the less than 2 mm soil material per unit volume of soil at a water tension of 0 bar. The measurement is only used for subaqueous soils. (NSSH Part 618.9)
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	phbulkdensityiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: phdbcompliantcavity

Table Label: Pedon Horizon Bulk Density Compliant Cavity

Table Logical Name: phorizon_db_compliant_cavity

Column Label	Column Physical Name	Column Description
Lineage	phbulkdensityiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.
Cavity Diameter	bulkdensitycavitydiameter	The cross-sectional diameter of the compliant cavity frame opening.
Cavity Length	bulkdensitycavitylength	The cross-sectional length of the compliant cavity frame opening.
Cavity Width	bulkdensitycavitywidth	The cross-sectional width of the compliant cavity frame opening.
Cavity Initial Volume	bulkdensitycavityinitvol	The measured or computed volume of the cavity before excavation of the soil sample.
Cavity Final Volume	bulkdensitycavityfinalvol	The measured or computed volume of the cavity after excavation of the soil sample.
Cavity Depth Pre Dig	cavityavedepthpredig	The average distance from a standard reference point on the frame used in the bulk density cavity method to the top of the soil surface prior to any soil excavation.
Cavity Depth Post Dig	cavityavedepthpostdig	The average distance from a standard reference point on the frame used in the bulk density cavity method to the top of the soil surface after soil excavation.
Sample Vol	bulkdensitycavitysampvol	The volume of soil sample removed.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	phbulkdenscavityiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: phdbcore

Table Label: Pedon Horizon Bulk Density Core

Table Logical Name: phorizon_db_core

Column Label	Column Physical Name	Column Description
Lineage	phbulkdensityiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.
Total Tube Length	sampletubelength	The overall length of the sample tube used.
Unfilled Tube Length	unfilledtubelength	The average length of tube not filled with soil sample.
Core Sample Length	coresamplelength	The length of the core sample collected.
Tube Diameter	sampletubediameter	The inside diameter of the cutting edge of the sample tube.
Core Sample Volume	coresamplevolume	The computed volume of the soil core sample.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	phbulkdencoreiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: phdbcorereading

Table Label: Pedon Horizon Bulk Density Core Reading

Table Logical Name: phorizon_db_core_reading

Column Label	Column Physical Name	Column Description
Lineage	phbulkdencoreiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.
Unfilled Tube Length	bulkdensitytubeheadspace	An individual measurement of the length of unfilled sample tube. The average of these values for a particular sample is recorded in the Bulk Density Core table.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	phbdcorereadingiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: phdbscope

Table Label: Pedon Horizon Bulk Density Scoop

Table Logical Name: phorizon_db_scoop

Column Label	Column Physical Name	Column Description
Lineage	phbulkdensityiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.
Scoop Length	scooplength	The length of the scoop used to extract the sample.
Scoop Width	scoopwidth	The width of the scoop used to extract the sample.
Scoop Depth	scoopdepthtotal	The depth of the scoop used to extract the sample.
Scoop Volume	scoopvolume	The total volume of the scoop.
Scoop Depth Unfilled	scoopdepthunfilled	The average depth of the scoop not filled with soil sample.
Sample Volume	scoopsamplevolume	The computed volume of soil material removed.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	phbulkdenscoopiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: phdb scoopreading

Table Label: Pedon Horizon Bulk Density Scoop Reading

Table Logical Name: phorizon_db_scoop_reading

Column Label	Column Physical Name	Column Description
Lineage	phbulkdenscoopiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.
Unfilled Scoop Depth	scoopheadspace	An individual depth measurement of the unfilled portion of the scoop. The average of these values for a particular sample is recorded in the Pedon Bulk Density Scoop table.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	phbulkdenscoopreadiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: phdesgnsuffix

Table Label: Pedon Horizon Designation Suffix

Table Logical Name: phorizon_desgn_suffix

Column Label	Column Physical Name	Column Description
Lineage	phiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Suffix	desgnsuffix	One of the four kinds of symbols, that when concatenated, are used to distinguish different kinds of layers in soils. Letter suffixes are used to designate subordinate distinctions within master horizons, and layers using lowercase letters. (SSM)
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	phdesgnsfxiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: phfeatcolor

Table Label: Pedon Horizon Features Color

Table Logical Name: phorizon_features_color

Column Label	Column Physical Name	Column Description
Lineage	phfeatsiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Color Pct	colorpct	Percent of the soil specimen occupied by a particular color.
Hue	colorhue	A measure of the dominant wavelength of light using Munsell notation system.
Value	colorvalue	A measure of the lightness of soil color relative to neutral gray using the Munsell notation system.
Chroma	colorchroma	A measure of the relative strength of a spectral color using the Munsell notation system.
Moist State	colormoistst	An estimate of the amount of water held within a soil sample in relation to its effect on reflectance of light. Expressed as either moist or dry.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	phfeatcoloriid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: phfeatures

Table Label: Pedon Horizon Features

Table Logical Name: phorizon_features

Column Label	Column Physical Name	Column Description
Lineage	phiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Kind	horfeatkind	A descriptive term or phrase used to express differences between the horizon feature and soil matrix.
Total Vol Pct	horfeatvtpct	The volume percentage of the horizon occupied by a horizon feature.
Lateral Area Pct	horfeatlapct	Percentage of horizontal cross sectional area occupied by a horizon feature.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	phfeatsiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: phfmp

Table Label: Pedon Horizon Field Measured Property

Table Logical Name: phorizon_field_meas_prop

Column Label	Column Physical Name	Column Description
Lineage	phiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Field Measured Property Name	fmpname	The name assigned to an user defined field measured property. To be used when the parameter to be recorded does not already exist elsewhere in the database.
Field Measured Property Value	fmpvalue	The measured or observed value of the specific user defined parameter.
UOM	fmpunits	The unit of measure associated with a particular field measurement.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	phfmpiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: phfrags

Table Label: Pedon Horizon Fragments

Table Logical Name: phorizon_fragments

Column Label	Column Physical Name	Column Description
Lineage	phiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Vol Pct	fragvol	The volume percentage of the horizon occupied by the 2 mm or larger fraction (20 mm or larger for wood fragments), on a whole soil base.
Weight Pct	fragweight	The weight percentage of the horizon occupied by the 2 mm or larger fraction (20 mm or larger for wood fragments), on a whole soil base.
Size	fragsize	Size based on the multiaxial dimensions of the fragment fraction.
Kind	fragkind	The lithology/composition of the 2 mm or larger fraction of the soil (20 mm or larger for wood fragments).
Shape	fragshp	A description of the overall shape of the fragment.
Roundness	fraground	An expression of the sharpness of edges and corners of fragments. (Sedimentary Rocks, Pettijohn, 1957)
Hardness	fraghard	The hardness of a fragment.
Estimate Method	fragemethod	The method used to estimate horizon fragment content.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	phfragsiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: phgrcountdata

Table Label: Pedon Horizon Grain Count Data

Table Logical Name: phorizon_grain_count_data

Column Label	Column Physical Name	Column Description
Lineage	phgrcountsumiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Test Date	testdate	The date on which the test was conducted.
Rep Nmbr	repnum	The unique number assigned to a particular replicate measurement or test within a study.
Total Grain Count	phgrcounttotal	The total number of grains counted in the sample using method SSIR51V1-7.2.2.1.2 Grain Mounts, Epoxy optical analysis and interpretation
Quartz	phgrcountquartz	The number of quartz grains counted in the sample using method SSIR51V1-7.2.2.1.2 Grain Mounts, Epoxy optical analysis and interpretation
Micaceous	phgrcountmica	The number of micaceous mineral grains counted in the sample using method SSIR51V1-7.2.2.1.2 Grain Mounts, Epoxy optical analysis and interpretation
Glass	phgrcountglass	The number of glass grains counted in the sample using method SSIR51V1-7.2.2.1.2 Grain Mounts, Epoxy optical analysis and interpretation
Glass Coated Minerals	phgrcountglasscoated	The number of glass coated mineral grains counted in the sample using method SSIR51V1-7.2.2.1.2 Grain Mounts, Epoxy optical analysis and interpretation
Glass Aggregate	phgrcountglassagg	The number of glass aggregate grains counted in the sample using method SSIR51V1-7.2.2.1.2 Grain Mounts, Epoxy optical analysis and interpretation
Other Minerals	phgrcountother	The number of other mineral grains counted in the sample using method SSIR51V1-7.2.2.1.2 Grain Mounts, Epoxy optical analysis and interpretation
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	phgrcountiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: phgrcountsummary

Table Label: Pedon Horizon Grain Count Summary

Table Logical Name: phorizon_grain_count_summary

Column Label	Column Physical Name	Column Description
Lineage	phlabresultiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Quartz	phgrcountquartz	The number of quartz grains counted in the sample using method SSIR51V1-7.2.2.1.2 Grain Mounts, Epoxy optical analysis and interpretation
Micaceous	phgrcountmica	The number of micaceous mineral grains counted in the sample using method SSIR51V1-7.2.2.1.2 Grain Mounts, Epoxy optical analysis and interpretation
Glass	phgrcountglass	The number of glass grains counted in the sample using method SSIR51V1-7.2.2.1.2 Grain Mounts, Epoxy optical analysis and interpretation
Glass Coated Minerals	phgrcountglasscoated	The number of glass coated mineral grains counted in the sample using method SSIR51V1-7.2.2.1.2 Grain Mounts, Epoxy optical analysis and interpretation
Glass Aggregate	phgrcountglassagg	The number of glass aggregate grains counted in the sample using method SSIR51V1-7.2.2.1.2 Grain Mounts, Epoxy optical analysis and interpretation
Other Minerals	phgrcountother	The number of other mineral grains counted in the sample using method SSIR51V1-7.2.2.1.2 Grain Mounts, Epoxy optical analysis and interpretation
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	phgrcountsumiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: phhuartrefecmdoc

Table Label: Pedon Horizon Human Artifacts Reference ECM Documents

Table Logical Name: phor_huart_ref_ecm_doc

Column Label	Column Physical Name	Column Description
Lineage	phhumartiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
ECM Document Type	ecmdoctype	The type of document that is in ECM. Such as, image (photo of the landscape, the soil profile, etc.), diagram (block diagram, cross-section of site, etc.), spreadsheet of some kind of data taken at the site but doesn't have a place in the NASIS point data and is not part of the KSSL measured data.
ECM Document Name	ecmdocname	The name (title) of the document being entered or retrieved from the Enterprise Content Management System.
ECM Document URL	ecmdockeyurl	Unique key created by ECM when a document is uploaded into ECM. To populate this field in NASIS the user must get the key from ECM. Copy it and then paste into this NASIS field.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	phhuartrefecmdociid	NASIS automatically assigns the record ID when a new row is created and uses this number as part of an internal key to uniquely identify each record in the database. This column always has protected status and can never be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: phhuarts

Table Label: Pedon Horizon Human Artifacts

Table Logical Name: phorizon_human_artifacts

Column Label	Column Physical Name	Column Description
Lineage	phiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Vol Pct	huartvol	The volume percentage of the horizon occupied by discrete human artifacts.
Size	huartsize	The size of the described artifact, expressed in millimeters. If the artifact is nearly uniform, size is measured in the shortest dimension, such as the effective diameter of a cylinder or the thickness of a plate. For elongated or irregular bodies, size refers to the longest dimension.
Kind	huartkind	The type of object or material being described. These were 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.
Cohesion	huartco	Cohesion refers to the relative ability of the artifact to remain intact after significant disturbance.
Shape	huartshp	A description of the overall shape of the artifact.
Roundness	huartrnd	An expression of the sharpness of edges and corners of artifacts.
Penetrability	huartpen	The relative ease with which roots can penetrate the artifact and potentially extract any stored moisture, nutrients or toxic elements.
Safety	huartsafety	The degree of risk to humans from contact with these soils. Physical contact with soils containing dangerous or harmful artifacts should be avoided unless proper training and protective clothing is available.
Persistence	huartper	The relative ability of solid artifacts to withstand weathering over time.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	phhuartiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: phhydrometeranalysis

Table Label: Pedon Horizon Hydrometer Analysis

Table Logical Name: phorizon_hydrometer_analysis

Column Label	Column Physical Name	Column Description
Lineage	phlabresultiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Test Date	testdate	The date on which the test was conducted.
Sample Weight	hydrosamplewt	Sample weight used while running the Hydrometer Analysis for Routinely Reported Size Fractions (D 422-63 (ASTM, 2008c)) Sodium Hexametaphosphate Dispersible SSIR51V1-3.2.1.2.1.1, reported in grams.
SHMP Concentration	hydroshmpconc	Concentration of the Sodium Hexametaphosphate solution used while running the Hydrometer Analysis for Routinely Reported Size Fractions (D 422-63 (ASTM, 2008c)) Sodium Hexametaphosphate Dispersible. SSIR51V1-3.2.1.2.1.1, reported in grams/milliliter.
Blank Reading	hydroblankread	The hydrometer reading recorded for a sample tube with no soil added.
Hydrometer Method	hydromethod	Hydrometer Analysis method used for Routinely Reported Size Fractions (D 422-63 (ASTM, 2008c)) Sodium Hexametaphosphate Dispersible
Grav Moisture Pct Whole Soil	obsgrsoimoist	The measured amount of water in the soil layer, expressed as a weight percentage.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	phhydromanalysisiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: phhydrometerdata

Table Label: Pedon Horizon Hydrometer Data

Table Logical Name: phorizon_hydrometer_data

Column Label	Column Physical Name	Column Description
Lineage	phhydromanalysisiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Reading #	hydreadingnum	The sequential number of each hydrometer reading for a particular soil sample.
Delta Time	deltatime	The elapsed time between readings, reported in decimal minutes.
Hydrometer Temperature	hydrotemp	Temperature of the water in the hydrometer jar.
Hydrometer Reading	hydroreading	Hydrometer reading obtained while running the Hydrometer Analysis for Routinely Reported Size Fractions (D 422-63 (ASTM, 2008c)) Sodium Hexametaphosphate Dispersible
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	phhydrometerdataiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: phksatamoozedata

Table Label: Pedon Horizon Ksat Amoozometer Data

Table Logical Name: phorizon_ksat_amoozometer_data

Column Label	Column Physical Name	Column Description
Lineage	peksatamoozeiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Reading #	ksatreadingnum	The number of an individual Ksat reading.
Water Drop	waterdrop	The drop in water measured during a time interval.
Delta Time	deltatime	The elapsed time between readings, reported in decimal minutes.
Outflow Conversion Factor	outflowchamberconvfact	The conversion factor for the small and large amoozometer outflow chamber.
Ksat Measured	sathydcondmeasured	A field saturated hydraulic conductivity measurement associated with each drop in water level during the time interval recorded.
Steady State Flag	steadystateflag	An indicator of whether the system has achieved steady state or not. Yes indicates a steady state, and no indicates that steady state has not been achieved yet. Flag indicates that this measurement should be used to calculate the infiltration rate; method recommends 4 constant (steady state) readings be taken before ending
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	peksatamoozedataiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: This table records actual measurements from an individual replicate of Ksat measurement in the field by Amoozometer method.

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: phksatamoozemeter

Table Label: Pedon Horizon Ksat Amoozemeter

Table Logical Name: phorizon_ksat_amoozemeter

Column Label	Column Physical Name	Column Description
Lineage	phksatsumiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Rep Nmbr	repnum	The unique number assigned to a particular replicate measurement or test within a study.
Test Date	testdate	The date on which the test was conducted.
Ksat Mean	sathydcondrepmean	The average of steady-state saturated hydraulic conductivity measurements obtained from an amoozemeter replicate run.
Ksat Std Dev	sathydcondrepstd	The statistical standard deviation of the calculated mean saturated hydraulic conductivity obtained from an amoozemeter replicate run.
Ksat Class	sathydcondclass	The saturated hydraulic conductivity (Ksat)class assigned based on the mean measured Ksat value.
Borehole Depth	boreholedepth	The overall depth of the borehole measured from the soil surface.
Borehole Radius	boreholeradius	The radius of the borehole.
Initial Water Level	boreholewaterlevelinit	The initial water level in the borehole.
Final Water Level	boreholewaterlevelfinal	The final water level in the borehole.
Notes	notes	Notes describing decisions, issues, or other history related to the record.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	phksatamoozemeteriid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: phksatring

Table Label: Pedon Horizon Ksat Ring

Table Logical Name: phorizon_ksat_ring

Column Label	Column Physical Name	Column Description
Lineage	phksatsumiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Rep Nmbr	repnum	The unique number assigned to a particular replicate measurement or test within a study.
Test Date	testdate	The date on which the test was conducted.
Ksat Mean	sathydcondrepmean	The average of steady-state saturated hydraulic conductivity measurements obtained from an amoozemeter replicate run.
Ksat Std Dev	sathydcondrepstd	The statistical standard deviation of the calculated mean saturated hydraulic conductivity obtained from an amoozemeter replicate run.
Ksat Class	sathydcondclass	The saturated hydraulic conductivity (Ksat)class assigned based on the mean measured Ksat value.
Ring Configuration	ringconfiguration	The configuration of rings used to measure saturated hydraulic conductivity (Ksat) in the field.
Ring Insertion Depth	ringinsertiondepth	The depth to which the ring is inserted or driven into the soil.
Ring Radius	ringradius	The inside radius of the ring (inner ring if using double ring configuration).
Water Ponding Depth	waterponddepth	Depth from the top of the soil to the top of the water ponded on top of the soil inside the ring (inner ring if using double ring configuration).
Mariotte Bottle Radius	mariottebottleradius	The inside radius of the mariotte bottle or reservoir.
Texture Structure Category	texturestructurecat	An input parameter to the Ksat calculation that indicates the type of soil structure present and texture of the soil material being evaluated.
Notes	notes	Notes describing decisions, issues, or other history related to the record.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.

Column Label	Column Physical Name	Column Description
Rec ID	phksatringiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: phksatringdata

Table Label: Pedon Horizon Ksat Ring Data

Table Logical Name: phorizon_ksat_ring_data

Column Label	Column Physical Name	Column Description
Lineage	peksatringiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Reading Nmbr	ksatreadingnum	The number of an individual Ksat reading.
Water Drop	waterdrop	The drop in water measured during a time interval.
Delta Time	deltatime	The elapsed time between readings, reported in decimal minutes.
Ksat Measured	sathydcondmeasured	A field saturated hydraulic conductivity measurement associated with each drop in water level during the time interval recorded.
Steady State Flag	steadystateflag	An indicator of whether the system has achieved steady state or not. Yes indicates a steady state, and no indicates that steady state has not been achieved yet. Flag indicates that this measurement should be used to calculate the infiltration rate; method recommends 4 constant (steady state) readings be taken before ending
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	peksatringdataiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: phksatsummary

Table Label: Pedon Horizon Ksat Summary

Table Logical Name: phorizon_ksat_summary

Column Label	Column Physical Name	Column Description
Lineage	phiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Test Date	testdate	The date on which the test was conducted.
Data Collector	datacollector	The name of the person collecting the measurements or observations.
Ksat Mean	sathydcondmean	The arithmetic mean of saturated hydraulic conductivity (Ksat) rates obtained from the various replications of an Ksat measurement test at a particular location on a particular date.
Ksat Std Dev	sathydcondstd	The statistical standard deviation of the calculated mean saturated hydraulic conductivity (Ksat) obtained from the various replications of a Ksat test at a particular location on a particular date.
Test Method	sathydcondmethod	The field method used to measure Ksat - saturated hydraulic conductivity.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	pedonksatsummaryiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: phlabresults

Table Label: Pedon Horizon Lab Results

Table Logical Name: phorizon_lab_results

Column Label	Column Physical Name	Column Description
Lineage	phiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Top Depth	sampledepthtop	The depth to the top of the horizon or layer, measured from the soil surface, from which the soil sample was taken.
Bottom Depth	sampledepthbottom	The depth to the bottom of the horizon or layer, measured from the soil surface, from which the soil sample was taken.
Sample ID	sampleid	An identifier label for the soil sample.
Data Collector	datacollector	The name of the person collecting the measurements or observations.
Total Clay Measured	claytotmeasured	Total clay is the soil separate with <0.002 mm particle diameter. Clay size carbonate is included. Total clay is reported as a gravimetric percent of the <2 mm fraction.
CaCO3 Clay Measured	claycarbmeasured	Carbonate clay is the part of <0.002 mm diameter particles that are composed of carbonates. It is reported as a gravimetric percent of the <2 mm fraction.
Total Silt Measured	silttotmeasured	Total silt is the soil separate with 0.002 to 0.05 mm particle size. It is reported as a gravimetric percent of the <2 mm fraction.
Fine Silt Measured	siltfinemeasured	Fine silt is the soil separate with 0.002 to 0.02 mm particle diameter. It is reported as a gravimetric percent of the <2 mm fraction.
Coarse Silt Measured	siltcomeasured	Coarse silt is the soil separate with 0.02 to 0.05 mm particle size. It is reported as a gravimetric percent of the <2 mm fraction.
Total Sand Measured	sandtotmeasured	Total sand is the soil separate with 0.05 to 2.0 mm particle diameter. It is reported a gravimetric percent of the <2 mm fraction.
Total Sand Method	sandtotmethod	The method used to measure total sand content.
VC Sand Measured	sandvcmeasured	Very coarse sand is the soil separate with 1.0 to 2.0 mm particle diameter. It is reported as a gravimetric percent of the <2 mm fraction.
Coarse Sand Measured	sandcomeasured	Coarse sand is the soil separate with 0.5 to 1.0 mm particle diameter. It is reported a gravimetric percent of the <2 mm fraction.

Column Label	Column Physical Name	Column Description
Med Sand Measured	sandmedmeasured	Medium sand is the soil separate with 0.25 to 0.50 mm particle diameter. It is reported as a gravimetric percent of the <2 mm fraction.
Fine Sand Measured	sandfinemeasured	Fine sand is the soil separate with 0.10 to 0.25 mm diameter particles. It is reported as a gravimetric percent of the <2 mm fraction.
VF Sand Measured	sandvfmeasured	Very fine sand is the soil separate with 0.05 to 0.10 mm particle diameter. It is reported as a gravimetric percent of the <2 mm fraction.
VF Sand Method	sandvfmethod	The method used to measure very fine sand content.
Sieve 3 Inch	sieve3inch	Soil fraction passing a sieve with a 3 inch square opening as a weight percentage of the less than 3 inch (76.4mm) fraction.
Fine Clay Measured	clayfinemeasured	Fine clay is the <0.0002 mm particle diameter soil separate. It is reported as a gravimetric percent of the <2mm fraction.
Sieve 0.75 Inch	sieve34inch	Soil fraction passing a sieve with a 3/4 inch square opening as a weight percentage of the less than 3 inch (76.4mm) fraction.
Nmbr 4 Sieve	sieveno4	Soil fraction passing a number 4 sieve (4.70mm square opening) as a weight percentage of the less than 3 inch (75mm) fraction.
Nmbr 10 Sieve	sieveno10	Soil fraction passing a number 10 sieve (2.00mm square opening) as a weight percentage of the less than 3 inch (76.4mm) fraction.
Nmbr 18 Sieve	sieveno18	Soil fraction passing a number 18 sieve (1.0 mm square opening) as a weight percentage of the less than 3 inch (76.4mm) fraction.
Nmbr 35 Sieve	sieveno35	Soil fraction passing a number 35 sieve (0.5 mm square opening) as a weight percentage of the less than 3 inch (76.4mm) fraction.
Nmbr 40 Sieve	sieveno40	Soil fraction passing a number 40 sieve (0.42mm square opening) as a weight percentage of the less than 3 inch (76.4mm) fraction.
Nmbr 60 Sieve	sieveno60	Soil fraction passing a number 60 sieve (0.25 mm square opening) as a weight percentage of the less than 3 inch (76.4mm) fraction.
Nmbr 140 Sieve	sieveno140	Soil fraction passing a number 140 sieve (0.1 mm square opening) as a weight percentage of the less than 3 inch (76.4mm) fraction.
Nmbr 200 Sieve	sieveno200	Soil fraction passing a number 200 sieve (0.074mm square opening) as a weight percentage of the less than 3 inch (76.4mm) fraction.
Nmbr 270 Sieve	sieveno270	Soil fraction passing a number 270 sieve (0.053 mm square opening) as a weight percentage of the less than 3 inch (76.4mm) fraction. The KSSL uses a number 300 sieve (0.047 mm square opening) for the USDA sand/silt (0.05mm) measurement. The 270 sieve (0.053 mm square opening) is more readily available and more commonly used.

Column Label	Column Physical Name	Column Description
Texture Class Field Lab	textureclfieldlab	An expression, based on the USDA system of particle sizes, for the relative portions of the various size groups of individual mineral grains less than 2mm equivalent diameter in a mass of soil as determined using field laboratory methods.
Von Post Humification Scale	vonposthumification	The Von Post scale is a field test to rank organic soils by degree of humification. The 10 steps correspon to percentage of decomposition.
Rubbed Fiber Pct	fiberrubbedpct	The proportion of organic soil material that is composed of fibers, reported as a percent by volume of the less than 20 mm fraction after rubbing between the thumb and fingers.
Unrubbed Fiber Pct	fiberunrubbedpct	The proportion of organic soil material composed of fibers, reported as a percent by volume of the less than 20 mm fraction before rubbing between thumb and fingers.
Lost on Ignition Percent Organic Matter	lossonignition	The mineral content consists of the plant ash and soil particles that remain after the removal of organic matter. The percentage of organic matter lost on ignition can be used to define organic soils in place of the estimates of organic matter by the Walkley-Black organic C method (6A1c, obsolete method, Soil Survey Staff, 1996). The determination of organic matter by loss on ignition is a taxonomic criterion for organic soil materials (Soil Survey Staff, 2014a). Organic C data by Walkley-Black are generally considered invalid if organic C is >8 %. The method described herein is after the Soil Survey Staff (2014b, method 5A) and USDA-SCS (1971)
pH 1 to 1 water	ph1to1h2o	The negative common logarithm of the hydrogen ion activity in the soil using the 1:1 soil-water ratio method. A numerical expression of the relative acidity or alkalinity of a soil sample. (SSM)
pH 0.1M CaCl ₂	ph01mcacl2	The negative common logarithm of the hydrogen ion activity in the soil, using the 0.01M CaCl ₂ method, in a 1:2 soil:solution ratio. A numerical expression of the relative acidity or alkalinity of a soil sample. (SSM)
pH NaF	phnaf	The negative common logarithm of the hydrogen ion activity in the soil using the 1N NaF method. It is used as an indicator of andic materials.
pH Oxidized	phoxidized	The negative common logarithm of the hydrogen ion activity in the soil using the oxidized pH method. It is used as an indicator of the presence of sulfidic materials. This is the final pH measured after several moist/dry cycles when using SSIR51V1-7.1.3.1 Hydrogen Peroxide Test, Delta pH test for Acid Sulfate Soils.
Delta pH H ₂ O ₂	phdeltah2o2	The difference in pH obtained using the SSIR51V1-7.1.3.1 Hydrogen Peroxide Test, Delta pH for Acid Sulfate Soils.
LL Measured	liquidlimitmeasured	The measured water content of the soil, expressed on a dry weight basis, at the change between the liquid and plastic states.
PL Measured	plasticlimitmeasured	The measured water content of the soil, expressed on a dry weight basis, at the change between the semisolid and plastic states.
PI	pi	The numerical difference between the liquid limit and plastic limit.
Atterberg Sample Condition	atterbergsampond	The beginning soil moisture condition of the soil sample used for Atterberg Limit determination (liquid limit, plastic limit, plasticity index).
COLE	cole	Coefficient of Linear Extensibility as determined by SSIR51V1-3.5.4

Column Label	Column Physical Name	Column Description
Est Pot Acidity ETPA	esttotpotacidityetpa	Estimated Total Potential Acidity - an estimate of the amount of acidity that may be produced from the oxidation of sulfidic materials. SSIR51V1-7.1.3.2
Ca plus Mg Meh 2	camgmeh2	Mehlich No. 2 Calcium plus magnesium content using a 0.0075 N EDTA titration (HACH Co., 1992a)
Potassium Meh 2	potassiummeh2	Mehlich No. 2 potassium content using turbidmetric tetraphenyborate (HACH Co., 1992a)
Ca plus Mg Sat Paste	camgsatpaste	Calcium plus Magnesium content using the Saturated paste Extraction technique (HACH Co., 1992a); SSIR51V1-4.6.2.1.2 0.0075 N EDTA Titration
Base Sat Meh 2	basesatmeh2	Base Saturation by Sum of Mehlich No. 2 Extractable Bases plus 1 N KCl extractable acidity (HACH Co., 1992a)
KCl Extract Acidity	extractaciditykcl	Extractable Acidity using 1N KCl (HACH Co., 1992a)
CEC7	cec7	The amount of readily exchangeable cations that can be electrically adsorbed to negative charges in the soil, soil constituent, or other material, at pH 7.0, as estimated by the ammonium acetate method. Previously reported as meq/100 g which is equivalent to cmol+/kg.
CEC 8.2	cec82	The sum of cations computed by summing KCl-TEA, pH 8.2, extractable bases and KCl-TEA, pH 8.2, extractable acidity. Ref. SSIR 51-4.1.5.1.1. The CEC value produced is approximately equivalent to the CEC measured in the SSL using NH4-acetate pH 7.0.
ECEC	ecec	The sum of NH4OAc extractable bases plus KCl extractable aluminum. Previously reported as meq/100 g which is equivalent to cmol+/kg.
Phosphate Phosphorous	phosphatephos	Phosphate phosphorus content using ascorbic acid method (HACH Co., 1992b)
NO3 N	nitratenitrogen	Nitrate-Nitrogen content by Calcium-Sulfate Extraction using the Cadmium-Reduction Method (HACH Co. 1992b)
EC	ecmeasured	The electrical conductivity of an extract from saturated soil paste using the pocket-type or hand-held electrical conductivity meter.
EC Method	ecdeterminemeth	The method used to measure the electrical conductivity of the soil.
EC 1 to 5	ec15	The electrical conductivity of an extract from a 1:5 volumetric dilution of soil to water.
CaCO3 Clay Equiv Measured	caco3equivmeasured	The quantity of Carbonate (CO3) in the soil expressed as CaCO3 and as a weight percentage of the less than 2 mm size fraction. Calcium Carbonate equivalent measured using a volume calcimeter (Holmgren 1973).
Equiv Gypsum	gypsumequiv	The weight percent of gypsum and other water-soluble minerals in the soil as measured using SSIR51V1-4.5.4.1 Equivalent Gypsum Content, Semiquantitative.
Gypsum Requirement	gypsumreq	The amount of gypsum needed to replace exchangeable sodium as determined by Gypsum Requirement and Exchangeable Sodium using the Saturated Calcium Sulfate Extraction method (HACH (1992a)); SSIR51V1-4.6.4.2.1-2.

Column Label	Column Physical Name	Column Description
Sodium	sodium	Sodium content using the Saturated Paste and the Ion Electrode (HACH Co., 1999-2000)
SAR	sar	A measure of the amount of Sodium (Na) relative to Calcium (Ca) and Magnesium (Mg) in the water extract from saturated soil paste. (Soil Survey Staff (2004, method 4F3b)
Humic Color	humiccolor	Humic Color using the 4 N HCl treatment and the AMP Buffer Hardness Solution. The color is obtained by comparing a solution to a set of reference standards. The units are L platinum cobalt color units per gram.
Fulvic Color	fulviccolor	Fulvic Color using the 4 N HCl treatment and the AMP Buffer Hardness Solution. The color is obtained by comparing a solution to a set of reference standards. The units are L platinum-cobalt color units per gram.
Humic plus Fulvic Color	humicfulviccolor	Humic-Fulvic Color using the NHCl treatment and the AMP Buffer Hardness Solution; SSIR51V1-4.7.1.1. The color is obtained by comparing a solution to a set of reference standards. The units are L platinum cobalt color units per gram.
Aluminum	alummeasured	Aluminum content determined from the 4 N Potassium Hydroxide Extraction Method; SSIR51V1-4.7.2.1
Pyrophosphate Hue	pyrophoshue	The Munsell color hue resulting from the pyrophosphate test which is an indication of the decomposition state of the organic materials.
Pyrophosphate Value	pyrophosvalue	The Munsell color value resulting from the pyrophosphate test which is an indication of the decomposition state of the organic materials.
Pyrophosphate Chroma	pyrophoschroma	The Munsell color chroma resulting from the pyrophosphate test which is an indication of the decomposition state of the organic materials.
Melanic Index	melanicindex	The melanic index is related to the ratio of the humic and fulvic acids in the organic fraction of the soil. The index is used to distinguish humified organic matter thought to result from large amounts of gramineous vegetation from humified organic matter formed from forest vegetation. The melanic index is calculated as the absorbance of the extracting solution at wavelength 450 nm over the absorbance at wavelength 520 nm.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	phlabresultiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: phmottles

Table Label: Pedon Horizon Mottles

Table Logical Name: phorizon_mottles

Column Label	Column Physical Name	Column Description
Lineage	phiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Percent	mottlepct	Percent of soil horizon the mottle occupies.
Size	mottlesize	The specified range in dimensions of a mottle as seen on a plane surface.
Contrast	mottlecntrst	The degree of visual distinction that is evident at the interface between the mottle and the surrounding soil. (SSM)
Hue	colorhue	A measure of the dominant wavelength of light using Munsell notation system.
Value	colorvalue	A measure of the lightness of soil color relative to neutral gray using the Munsell notation system.
Chroma	colorchroma	A measure of the relative strength of a spectral color using the Munsell notation system.
Shape	mottleshape	The shape of a mottle.
Moist State	colormoistst	An estimate of the amount of water held within a soil sample in relation to its effect on reflectance of light. Expressed as either moist or dry.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	phmottlesiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: phorizon

Table Label: Pedon Horizon

Table Logical Name: phorizon

Column Label	Column Physical Name	Column Description
Lineage	peiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Top Depth	hzdept	The distance from the top of the soil to the upper boundary of the soil horizon.
Bottom Depth	hzdepb	The distance from the top of the soil to the base of the soil horizon.
Thickness	hzthk	A measurement from the top to bottom of a soil horizon throughout its areal extent.
Observation Method	obsmethod	Method of making the exposure for observation.
Designation	hzname	The concatenation of three kinds of symbols (four data elements) used in various combinations to designate layers within the soil. (SSM)
Disc.	desgndisc	One of four kinds of symbols, when concatenated, are used to distinguish different kinds of layers in soils. A discontinuity is a significant change in particle-size distribution or mineralogy that indicates a difference in the material from which the horizons formed and/or a significant difference in age, unless that difference in age is indicated by the suffix "b". (SSM)
Master	desgnmaster	One of four kinds of symbols, that when concatenated, are used to distinguish different kinds of layers in soils. Master horizons and layers are the base symbols to which other characters are added to complete the designations. Capital letters, virgules (/), the word 'and', and carets (^) are used. (SSM)
Prime	desgnmasterprime	A character used to indicate that this horizon has an identical horizon designation as some overlying horizon. The two horizons in question are separated by at least one other horizon.
Sub	desgnvert	The fifth of the five data elements, that when concatenated, are used to distinguish different kinds of layers in soils. Vertical subdivisions are used to subdivide a horizon or layer which is designated by a single letter or combination of letters, i.e. the tx of Btx. Vertical subdivisions, the fifth data element but the fourth field in the Pedon Horizon table, are indicated by using an integer that has a minimum value of one. A simple example would be 2Bt2. In many soil profiles the prime character is often absent, so the example would be 2Bt2. The fifth symbol then becomes the fourth character used.
Tex Mod and Class	texture	Name for the concatenation of TEXTURE_MODIFIER and TEXTURE_CLASS.
Stratified Flag	stratextsflag	A Boolean flag that when set (Y) indicates that the textures that comprise a particular texture group, are stratified.

Column Label	Column Physical Name	Column Description
Est Clay Pct	claytotest	Mineral particles less than 0.002mm in equivalent diameter as a weight percentage of the less than 2.0mm fraction, estimated at the time of sampling or description.
Carbonate Clay Est	claycarbest	The field estimated percent carbonate clay content.
Est Silt Pct	silttotest	Mineral particles 0.002 to 0.05mm in equivalent diameter as a weight percentage of the less than 2.0mm fraction, estimated at the time of sampling or description.
Est Sand Pct	sandtotest	Mineral particles 0.05mm to 2.0mm in equivalent diameter as a weight percentage of the less than 2 mm fraction, estimated at the time of sampling or description.
Total Fragment Volume	fragvoltot	The total volume percentage of the horizon occupied by the 2 mm or larger fraction (20 mm or larger for wood fragments), on a whole soil base.
Variegated Colors?	horcolorvflag	An indicator as to whether the described colors are variegated (mixed) or not.
Observed Moisture Status	obssoimoiststat	The relative moisture state of the soil layer at the time of observation.
Rupture Block Moist	rupresblkmoist	The rupture resistance of a block-shaped specimen of 25 to 30 mm size and moist water state. (SSM)
Rupture Block Dry	rupresblkdry	The rupture resistance of a block-shaped specimen of 25 to 30 mm size and dry water state. (SSM)
Rupture Cement Block	rupresblkcem	The rupture resistance of a block-like specimen of 25 to 30 mm size that has been air dried and then submerged in water. (SSM)
Rupture Plate	rupresplate	The rupture resistance of an air dry plate-shaped specimen of specified size. (SSM)
Manner of Failure	mannerfailure	The manner in which soil specimens fail under increasing force. (SSM)
Stickiness	stickiness	The maximum capacity of thoroughly puddled soil to adhere to other objects.
Plasticity	plasticity	The degree to which a puddled, wet soil mass is permanently deformed without rupturing by a slow continuous application of force in any direction. (SSM)
Tough Class	toughclass	The relative force necessary to deform a puddled soil mass near the plastic limit.
Penetration Resistance	penetrres	The capacity of an undisturbed soil mass to resist penetration by a rigid object.
Penetration Orientation	penetorient	The orientation of the penetrometer rod when inserted into the soil.
Ksat	ksatpedon	The calculated average of field measured saturated hydraulic conductivity. Describes the ability of soil (porous media) to transmit water when the soil is saturated.

Column Label	Column Physical Name	Column Description
Ksat Std Dev	ksatstddev	The statistical standard deviation of the calculated mean saturated hydraulic conductivity value, using the individual measurements taken for a particular soil horizon.
Ksat Rep Nmbr	ksatrepnm	The number of measurements made, at the same time and location used to reduce sampling error. These individual measurements are used to calculate the mean saturated hydraulic conductivity for the soil horizon.
Permeability Class	horzpermclass	The amount of water that would move vertically through a unit area of saturated soil in unit time under unit hydraulic gradient. Expressed as a class for one horizon.
Infiltration Rate	obsinfiltrationrate	The measured infiltration rate reported in cm/hour.
Field pH	phfield	The negative common logarithm, of the hydrogen ion activity in the soil at field moisture conditions using field test methods. A numerical expression of the relative acidity or alkalinity of a soil sample. (SSM) This is also the initial pH that should be used when performing SSIR51V1-7.1.3 the Hydrogen Peroxide Test, Delta pH for Acid Sulfate Soils.
pH Method	phdetermeth	The kind and/or method used to measure pH of the soil or water.
Efferv Class	effclass	General terms used to describe the degree of effervescence of soil material when tested for carbonates in the field.
Efferv Agent	effagent	The chemical reagent used to test for carbonates in the field.
Carbonate Dev Stage FE	carbdevstagefe	The stage of development of pedogenic carbonates in the fine earth matrix.
Carbonate Dev Stage CF	carbdevstagecf	The stage of development of pedogenic carbonates in the coarse fragment matrix.
MN Efferv Class	mneffclass	General terms used to describe the degree of effervescence of soil material when tested for manganese oxides in the field.
MN Efferv Agent	mneffagent	The chemical reagent used to test for manganese oxides in the field.
A-A Dipyrldyl Reaction	reactadipyrldyl	A chemical test used on a freshly broken field moist sample to infer the presence of aquic conditions at the time of sampling. A positive reaction (reddish color change) indicates the presence of reduced iron (Fe II). A negative reaction (no color change) indicates reduced iron is not present.
A-A Dipyrldyl Percent	dipyrldylpct	The percent of the area of a particular feature with a positive reaction to Alpha-Alpha Dipyrldyl.
A-A Dipyrldyl Location	dipyrldylloc	The location of the Alpha-Alpha Dipyrldyl test in relation to morphological features.
Excav Difficulty	excavdifcl	An estimation of the difficulty of working an excavation into soil layers, horizons, pedons, or geologic layers. In most instances, excavation difficulty is related to and controlled by a water state.
Soil Odor	soilodor	The type of odor detected in a soil horizon.
Odor Intensity	soilodorintensity	An indication of the relative strength of the observed soil odor.

Column Label	Column Physical Name	Column Description
Monosulfide Presence	rmonosulfidep	An indicator of the presence of reduced monosulfides in the soil as indicated by a soil color change within 10 seconds following the addition of 3 percent hydrogen peroxide (H2O2) solution. The color change is usually an increase in value by 2 or more units.
H2O2 30 Pct Rxn	h20230percentreaction	In order to test for potential acid sulfate soils which contain un-oxidized sulfides, 30% hydrogen peroxide is used to rapidly oxidize the sulfide, resulting in the production of acid with a corresponding drop in pH. A positive peroxide test may include one, but preferably more, of the following: - change in color of the soil from grey tones to brown tones - effervescence - recorded as a class - the release of sulfur smelling gases such as sulfur dioxide or hydrogen sulfide - a lowering of the soil pH by at least one unit - a final pH < 3.0. (if measured)
H2O2 3 Pct Rxn?	h2o23percentreaction	Record the soil color response, as either yes (check mark in radio box) or no (no check mark in radio box), to the application of 3% H2O2 (hydrogen peroxide) solution immediately after exposure to the air (e.g., a freshly broken ped or core interior).
AVS Presence Test	acidvolatilesulfidetest	A positive odor for acid volatile sulfides (AVS) indicates the presence of meta stable iron sulfide compounds, a rapid field test for the presence of monosulfides.
Boundary Distinctness	bounddistinct	Thickness of the interface between adjacent soil horizons. (SSM)
Boundary Topography	boundtopo	Horizontal shape of the interface between adjacent soil horizons. (SSM)
Total Vol Pct	horzvoltotpct	The total volume percentage of the horizon in the pedon.
Lateral Area Pct	horzlatareapct	Percentage of horizontal cross sectional area of the pedon occupied by a horizon.
Comp Layer ID	dspcomplayerid	An arbitrary alpha and/or numeric label assigned to this horizon to indicate which horizons should be combined for analysis and data aggregation purposes.
AASHTO	aashtocl	A rating based on a system that classifies soils according to those properties that affect roadway construction and maintenance. Soils are classified into seven basic groups plus eight subgroups, for a total of fifteen for mineral soils. Another class for organic soils is used. The groups are based on determinations of particle-size distribution, liquid limit, and plasticity index. The group classification, including group index, is useful in determining the relative quality of the soil material for use in earthwork structures, particularly embankments, subgrades, subbases, and bases. (American Association of State Highway and Transportation Officials)
Unified	unifiedcl	A system for classifying mineral and organo-mineral soils for engineering purposes based on particle size characteristics, liquid limit, and plasticity index.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Rec ID	phiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: phorizonrefecmdoc

Table Label: Pedon Horizon Reference ECM Documents

Table Logical Name: phorizon_ref_ecm_doc

Column Label	Column Physical Name	Column Description
Lineage	phiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
ECM Document Type	ecmdoctype	The type of document that is in ECM. Such as, image (photo of the landscape, the soil profile, etc.), diagram (block diagram, cross-section of site, etc.), spreadsheet of some kind of data taken at the site but doesn't have a place in the NASIS point data and is not part of the KSSL measured data.
ECM Document Name	ecmdocname	The name (title) of the document being entered or retrieved from the Enterprise Content Management System.
ECM Document URL	ecmdockeyurl	Unique key created by ECM when a document is uploaded into ECM. To populate this field in NASIS the user must get the key from ECM. Copy it and then paste into this NASIS field.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	phorizonrefecmdociid	NASIS automatically assigns the record ID when a new row is created and uses this number as part of an internal key to uniquely identify each record in the database. This column always has protected status and can never be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: phpores

Table Label: Pedon Horizon Pores

Table Logical Name: phorizon_pores

Column Label	Column Physical Name	Column Description
Lineage	phiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Quantity	poreqty	The number of a selected size of pores per unit area of undisturbed soils.
Quantity Class	poreqtyclass	The quantity of pores present, expressed as a class.
Size	poresize	The average diameter of a pore. (SSM)
Continuity	porecont	Average vertical distance through which the minimum diameter of the pore exceeds 0.5mm when the soil layer is moist or wetter.
Shape	poreshp	A description of the multiaxial shape of the pore.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	phporesiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: phpvsf

Table Label: Pedon Horizon Ped Void Surface Features

Table Logical Name: phorizon_ped_void_surf_feat

Column Label	Column Physical Name	Column Description
Lineage	phiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Percent	pvsfpct	Percent of the total surface area occupied by a ped surface feature over the extent of the horizon. (SSM)
Kind	pvsfkind	A descriptive term or phrase used to express differences between the ped surface and soil matrix.
Distinctness	pvsfdistinct	The ease and degree of certainty with which a ped surface feature can be identified. (SSM)
Location	pvsflocation	The kind of surface on which coats are observed.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	phpvsfiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: phpvsfcolor

Table Label: Pedon Horizon Ped Void Surface Features Color

Table Logical Name: phorizon_pvssf_color

Column Label	Column Physical Name	Column Description
Lineage	phpvsfiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Color Pct	colorpct	Percent of the soil specimen occupied by a particular color.
Hue	colorhue	A measure of the dominant wavelength of light using Munsell notation system.
Value	colorvalue	A measure of the lightness of soil color relative to neutral gray using the Munsell notation system.
Chroma	colorchroma	A measure of the relative strength of a spectral color using the Munsell notation system.
Moist State	colormoistst	An estimate of the amount of water held within a soil sample in relation to its effect on reflectance of light. Expressed as either moist or dry.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	phpvsfcoloriid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: phrdxfeatures

Table Label: Pedon Horizon Redoximorphic Features

Table Logical Name: phorizon_redox_features

Column Label	Column Physical Name	Column Description
Lineage	phiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Percent	rdxfeatpct	The amount of accumulated or segregated materials.
Size	rdxfeatsize	The dimension of the redox feature, in which the measurement is dependent upon the redox feature shape. (SSM)
Contrast	rdxfeatcntrst	The degree of visual distinction that is evident at the interface between the redox feature and the surrounding soil. (SSM)
Hardness	rdxfeathardness	The degree to which a redox feature resists crushing.
Shape	rdxfeatshape	A description of the multiaxial shape of the redox feature.
Kind	rdxfeatkind	Any relatively homogeneous accumulation or segregation of substance dissimilar to the surrounding matrix. (SSM)
Location	rdxfeatlocation	Location of the redox feature in relation to other morphological soil properties.
Boundary	rdxfeatboundary	Thickness of the gradation in color between the redox feature and adjacent soil color. (SSM)
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	phrdxfiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: phredoxcolor

Table Label: Pedon Horizon Redoximorphic Features Color

Table Logical Name: phorizon_redox_feat_color

Column Label	Column Physical Name	Column Description
Lineage	phrdxfiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Color Pct	colorpct	Percent of the soil specimen occupied by a particular color.
Hue	colorhue	A measure of the dominant wavelength of light using Munsell notation system.
Value	colorvalue	A measure of the lightness of soil color relative to neutral gray using the Munsell notation system.
Chroma	colorchroma	A measure of the relative strength of a spectral color using the Munsell notation system.
Moist State	colormoistst	An estimate of the amount of water held within a soil sample in relation to its effect on reflectance of light. Expressed as either moist or dry.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	phrdxfcoloriid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: phroots

Table Label: Pedon Horizon Roots

Table Logical Name: phorizon_roots

Column Label	Column Physical Name	Column Description
Lineage	phiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Quantity	rootsquantity	The number of the selected size of roots per unit area. (SSM)
Quantity Class	rootsquantityclass	The quantity of roots present, expressed as a class.
Size	rootssize	The average diameter of a cross section of roots. (SSM)
Location	rootslocation	The position within a soil horizon where roots occur described in reference to other features.
Record When Last Updated	recwlupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	phrootsiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: phsample

Table Label: Pedon Horizon Sample

Table Logical Name: phorizon_sample

Column Label	Column Physical Name	Column Description
Lineage	phiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Lab Sample Nmb	labsampnum	A unique identifier number for the pedon assigned by the laboratory. This number is used to link the morphological pedon description with the associated measured property values from the laboratory.
Field Sample ID	fldsampid	The sample ID for the soil sample assigned at the time of sampling in the field by the person doing the sampling. This value should be whatever identifying label that is put on the tag of the sample bag in the field at the time of sampling.
Depth to Top	layerdepthtop	The depth from the top of the soil to the top of the sampled layer. Most commonly this depth is the same as the depth to the top of the horizon. Could be the same as the depth to the top of the horizon, but does not need to be.
Depth to Bottom	layerdepthbottom	The depth from the top of the soil to the bottom of the sampled layer. Most commonly this depth is the same as the depth to the bottom of the horizon. Could be the same as the depth to the bottom of the horizon, but does not need to be.
Number of Bulk Sample Bags	numberofbulksampbags	The number of bulk sample bags that have been sent to the laboratory corresponding to a particular layer. When soils have a large number of rock fragments, or contain high organic matter content it is sometimes necessary to send in multiple bags of soil to get enough soil that is less than 2 mm for the appropriate analysis to be performed. This number helps the laboratory verify that they have received all of the sample bags for a particular sample and that they are accounted for.
Number of Bulk Density Clods	numberofbulkdensityclods	The number of bulk density clods refers to the actual number of clods sent to the laboratory for a single sampled layer.
Number of Natural Fabric Clods	numberofnaturalfabricclods	The number of natural fabric clods refers to the actual number of clods sent to the laboratory for a single sampled layer.
Number of Other samples	numberofothersamples	The number of other samples refers to the actual number of other sample types such as compliant cavity or cores that are associated with a specific layer.
Weight of 20 to 76 mm Discarded Fragments	wt20to76mmdiscardedfragments	The Weight in KG of the less than 20 to 75 mm fraction less any tare weight.

Column Label	Column Physical Name	Column Description
Weight Less Than 20 mm	wlft20mm	The Weight in KG of the less than 20 mm fraction less any tare weight.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseridref	The key of the NASIS user who last updated the corresponding record.
Rec ID	phlabsampiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: phstructure

Table Label: Pedon Horizon Soil Structure

Table Logical Name: phorizon_structure

Column Label	Column Physical Name	Column Description
Lineage	phiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Structure Grade	structgrade	The distinctness of the peds described in terms of ease of separation into discrete units.
Structure Size	structsize	Measurement of the smallest dimension of the selected secondary particles, units, or peds.
Type	structtype	The multiaxial shape of secondary particles, units, or peds.
Structure ID	structid	A row ID assigned by a user to identify a particular row in a table.
Parts to Structure ID	structpartsto	Field to indicate if the previous record parts to the current record.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	phstructureiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: phtext

Table Label: Pedon Horizon Text

Table Logical Name: phorizon_text

Column Label	Column Physical Name	Column Description
Lineage	phiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Date	recdate	The date associated with a particular record, expressed as month, day, year—xx/xx/xxxx.
Author	recauthor	Name of the person who entered, or is responsible for, a particular record.
Kind	phorizontextkind	A text entry is identified by its kind, category, and subcategory. Kind is the highest division of classification. "Correlation notes" and "Nontechnical description" are two kinds of text entries.
Category	textcat	A text entry is identified by its kind, category, and subcategory. Category is a subdivision of kind. "Agr" and "Soi" are two categories for the text kind "Nontechnical Description".
Subcategory	textsubcat	A text entry is identified by its kind, category, and subcategory. Subcategory is a subdivision of category. For text kind "Nontechnical" description and text category "Agr", subcategory would correspond to the SSSD field "desnum".
Text Entry	textentry	The actual narrative text portion of a text entry. The other parts of a text entry are its identifiers: kind, category and subcategory.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	phtextiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: phtexture

Table Label: Pedon Horizon Texture

Table Logical Name: phorizon_texture

Column Label	Column Physical Name	Column Description
Lineage	phiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Texture	texcl	An expression, based on the USDA system of particle sizes, for the relative portions of the various size groups of individual mineral grains less than 2mm equivalent diameter in a mass of soil.
In Lieu	lieutex	Substitute terms applied to materials that do not fit into a textural class because of organic matter content, size, rupture resistance, solubility, or another reason.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	phtiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: phtexturemod

Table Label: Pedon Horizon Texture Modifier

Table Logical Name: phorizon_texture_modifier

Column Label	Column Physical Name	Column Description
Lineage	phtiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Modifier	texmod	A term used to denote the presence of a condition or component other than sand, silt, or clay.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	phtexmodiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: phvnirscan

Table Label: Pedon Horizon VNIR Scan

Table Logical Name: phorizon_vnir_scan

Column Label	Column Physical Name	Column Description
Lineage	phiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Top Depth	vnirdepthtop	The depth below the soil surface to the top of the layer from which the sample was taken.
Bottom Depth	vnirdepthbottom	The depth below the soil surface to the bottom of the layer from which the sample was taken.
Sample Condition	vnirsamplecondition	The condition or preparation of the soil sample.
Light Source	vnirlightsource	The source of light used for the VNIR scan of a sample.
VNIR Scan Date	vnirscandate	The date of the VNIR scan.
VNIR File Name	vnirfilename	The file name assigned to the VNIR scan associated with this layer.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	phvnirscaniid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: phvnirscanrawdata

Table Label: Pedon Horizon VNIR Scan Raw Data

Table Logical Name: phorizon_vnir_scan_raw_data

Column Label	Column Physical Name	Column Description
Lineage	phvnirscaniidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.
VNIR Data	vnirdata	The actual binary file from the VNIR spectrometer.
Rec ID	phvnirscanrawdataiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: phvnirscanresult

Table Label: Pedon Horizon VNIR Scan Result

Table Logical Name: phorizon_vnir_scan_result

Column Label	Column Physical Name	Column Description
Lineage	phvnirscaniidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.
VNIR Model ID	vnirmodelid	The identifier of the computer model used to generate the associated soil property value estimate.
Date	vnirmodelrundate	The date the VNIR data file was run through the model to generate the associated soil property value estimate.
Total Carbon Pct	carbontotalpct	The percent of total carbon in the sample on a gravimetric percent basis, predicted by VNIR scanning.
Inorganic Carbon Pct	carboninorganicpct	The percent of inorganic carbon in the sample on a gravimetric percent basis, predicted by VNIR scanning.
Organic Carbon Pct	carbonorganicpct	The percent of organic carbon in the sample on a gravimetric percent basis, computed by difference of total carbon and inorganic carbon.
Record When Last Updated	recwlupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	phvnirscanresultiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: plant

Table Label: Plant

Table Logical Name: plant

Column Label	Column Physical Name	Column Description
Plant Symbol	plantsym	A unique symbol used to identify a plant genus or a plant species. (The PLANTS Database, USDA-NRCS, National Plant Data Center)
Scientific Name	plantsciname	The full genus and species name as listed in The PLANTS Database, USDA-NRCS, National Plant Data Center.
National Vernacular Name	plantnatvernm	The most generally accepted common name of a plant.
Genus Name	plantgenus	The genus name of a plant as listed in The PLANTS Database, USDA-NRCS, National Plant Data Center.
Species Name	plantspecies	The species name of a plant as listed in The PLANTS Database, USDA-NRCS, National Plant Data Center.
Subspecies Name	plantsubspecies	The subspecies name of a plant as listed in The PLANTS Database, USDA-NRCS, National Plant Data Center.
Variety Name	plantvariety	The variety name of a plant as listed in The PLANTS Database, USDA-NRCS, National Plant Data Center.
Obsolete?	obterm	Indicates whether a term is obsolete.
Plant NASIS Site	plantdbiidref	The internal ID (integer) of the NASIS Site that currently owns an object. Also known as the "owning NASIS Site ID". This value is assigned by NASIS and can only be changed by using the "Change Owner" function in NASIS.
NASIS Group	grpIIDref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Object Last Updated	objwIupdated	The date and time the corresponding object was last updated.
Object Last Updated By	objuseriidref	The key of the NASIS user who last updated the corresponding object.
Record When Last Updated	recwIupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	plantiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: plantprodquadratdetails

Table Label: Plant Production Quadrat Details

Table Logical Name: plant_prod_quadrat_details

Column Label	Column Physical Name	Column Description
Lineage	vegtransplantsummiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Quadrat Nmbr	quadratnumber	The number assigned to a particular quadrat within a plot or transect from which measurements were recorded.
Transect Point Location	transectpointlocation	The point of observation along the transect recorded as a distance from the starting point of the transect. Starting point of transect is zero.
Quadrat Clipped?	quadratclippedindicator	An indicator as to whether the plants in a quadrat were clipped and weighed or not.
Species Wt Air Dry	specieswtairdry	The air dry weight of the particular plant species in a particular quadrat.
Species Wt Clipped	specieswtclipped	The clipped weight of the particular plant species in a particular quadrat.
Species Wt Estimated	specieswtestimated	The estimated weight of the particular plant species in a particular quadrat, computed as "# of weight units" multiplied by "weight unit weight".
Spp Trace Amount Flag	speciestraceamtflag	A yes/no indicator that a 'trace' amount of a species exists. A 'trace' is defined as 'less than a measureable amount'.
Nmbr of Weight Units	weightunitcount	The number of weight units of a particular species estimated to exist within a quadrat.
Species Canopy Cover Pct	speciescancovpct	The estimated canopy cover percent of a species.
Species Canopy Cover Class	speciescancovclass	The estimated canopy cover class of a species.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.

Column Label	Column Physical Name	Column Description
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	plantprodquaddetailsiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: plantsyn

Table Label: Plant Synonym

Table Logical Name: plant_synonym

Column Label	Column Physical Name	Column Description
Lineage	plantiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Accepted Plant	plantiidref2	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	plantsyniid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: plotdisturbance

Table Label: Plot Disturbance

Table Logical Name: plot_disturbance

Column Label	Column Physical Name	Column Description
Lineage	vegplotiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Disturbance Type	disturbancetype	The kind of disturbance that has occurred on the plot.
Frequency	disturbancefrequency	The frequency that a particular disturbance type has occurred on the plot.
Disturbance Impact	disturbanceimpact	The degree of impact caused by a particular disturbance type.
When Last Applied	disturbancelastapplied	An indication of the length of time since a disturbance was last occurred on the plot.
Notes	notes	Notes describing decisions, issues, or other history related to the record.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	plotdisturbanceiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: plotdisturbrefecmdoc

Table Label: Plot Disturbance Reference ECM Documents

Table Logical Name: plot_disturb_ref_ecm_doc

Column Label	Column Physical Name	Column Description
Lineage	plotdisturbiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
ECM Document Type	ecmdoctype	The type of document that is in ECM. Such as, image (photo of the landscape, the soil profile, etc.), diagram (block diagram, cross-section of site, etc.), spreadsheet of some kind of data taken at the site but doesn't have a place in the NASIS point data and is not part of the KSSL measured data.
ECM Document Name	ecmdocname	The name (title) of the document being entered or retrieved from the Enterprise Content Management System.
ECM Document URL	ecmdockeyurl	Unique key created by ECM when a document is uploaded into ECM. To populate this field in NASIS the user must get the key from ECM. Copy it and then paste into this NASIS field.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	plotdisturbrefecmdociid	NASIS automatically assigns the record ID when a new row is created and uses this number as part of an internal key to uniquely identify each record in the database. This column always has protected status and can never be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: plotgrazerefecmdoc

Table Label: Plot Grazing Reference ECM Documents

Table Logical Name: plot_graze_ref_ecm_doc

Column Label	Column Physical Name	Column Description
Lineage	plotgrazinguseiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
ECM Document Type	ecmdoctype	The type of document that is in ECM. Such as, image (photo of the landscape, the soil profile, etc.), diagram (block diagram, cross-section of site, etc.), spreadsheet of some kind of data taken at the site but doesn't have a place in the NASIS point data and is not part of the KSSL measured data.
ECM Document Name	ecmdocname	The name (title) of the document being entered or retrieved from the Enterprise Content Management System.
ECM Document URL	ecmdockeyurl	Unique key created by ECM when a document is uploaded into ECM. To populate this field in NASIS the user must get the key from ECM. Copy it and then paste into this NASIS field.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	plotgrazeuserrefecmdociid	NASIS automatically assigns the record ID when a new row is created and uses this number as part of an internal key to uniquely identify each record in the database. This column always has protected status and can never be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: plotgrazinguse

Table Label: Plot Grazing Use

Table Logical Name: plot_grazing_use

Column Label	Column Physical Name	Column Description
Lineage	vegplotiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Animal Kind	animalkind	The kind of grazing animal(s) that has been using the area where the plot exists.
Frequency of Use	usefrequency	The frequency that the specified kind of animal grazes the area.
Season of Use	seasonofuse	The season(s) of the year that the area where the plot exists is grazed by the identified kind of animal.
Stocking Rate	stockingratecl	The estimated number of animals, expressed as a class, of a particular kind that are using the area per unit area.
AK Grazing Plant Group	akgrazingplantgroup	AK Grazing Plant Group is a state specific attribute that captures the Plant Group types being grazed/browsed in AK SITE databases. It is used to describe the general plant group type being grazed/browsed on the plot. Proposed to be added to the Plot_Grazing_Use table as a choice field.
AK Grazing Impact	akgrazingimpact	The impact of grazing/browsing frequency on a site.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	plotgrazinguseiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: plotmainforeststanddetails

Table Label: Main Forest Stand Details

Table Logical Name: plot_main_forest_stand_details

Column Label	Column Physical Name	Column Description
Lineage	vegplotiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Tree ID #	treenumber	The number assigned to a particular measured tree.
Distance From Previous Point	distancefromprevious	The distance of the tree being measured from the previous tree along the zig-zag transect. For the first tree encountered along the transect, it is the distance from the starting point of the transect.
Plant	plantiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
DBH	treediameterbreastheight	The diameter of measured tree at breast height, typically 4.5 feet above ground level. In high latitudes and high altitudes where growing conditions limit tree growth to less than one inch per years.
Tree Condition	treeconditions	The overall condition of the tree.
Notes	notes	Notes describing decisions, issues, or other history related to the record.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	plotmainforstanddetailiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: plotplantinventory

Table Label: Plot Plant Inventory

Table Logical Name: plot_plant_inventory

Column Label	Column Physical Name	Column Description
Lineage	vegplotiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Plant	plantiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Plant Type Group	planttypegroup	The designation of a plant type group being inventoried by lifeform.
AK Stratum Cover Class	akstratumcoverclass	General life form and horizontal layer (cover class) added to accommodate the STRATUMcv class attribute in AK SITE.
Height Class Lower Limit	plantheightcllowerlimit	The lower height limit of the plant height class being described.
Height Class Upper Limit	plantheightclupperlimit	The upper height limit of the plant height class being described.
Plant Nativity	plantnativity	The nativity of the plant species.
Sociability Class	sociabilityclass	An indication of how individual plants of a species exist within the sample area in relation to one another.
Live Canopy Ht Bottom	livecanopyhtbottom	Height of the bottom of the dominant canopy layer. For those plants with height to canopy bottom of less than 1 foot, it is permissible to record the height to tenths of a foot.
Live Canopy Ht Top	livecanopyhttop	Height of the top of the dominant canopy layer. For those plants with height to canopy top of less than 1 foot, it is permissible to record the height to tenths of a foot.
Overstory DBH Minimum	overstorydbhmin	The lower end of the range of diameter at breast height (DBH) for trees > 15 feet in height of a particular species in the overstory stratum.
Overstory DBH Maximum	overstorydbhmax	The upper end of the range of diameter at breast height (DBH) for trees > 15 feet in height of a particular species in the overstory stratum.
Species Canopy Cover	speciescancovpct	The estimated canopy cover percent of a species.

Column Label	Column Physical Name	Column Description
Percent		
Species		
Canopy Cover Class	speciescancovclass	The estimated canopy cover class of a species.
Spp Composition Pct	speciescompct	The percentage of a particular species in the plant, including tree, community within the plot.
Spp DBH Average	speciesdbhaverage	The average diameter at breast height (DBH) of the identified species.
Spp Comp by Wt Pct	speciescompbywtpct	Species composition calculated as the contribution (percent by weight) that each species adds to the total biomass. Added for NASIS 7.4.1
Tree Spp Counted	speciestreecount	The total number of trees counted of a particular species.
Spp Trace Amount Flag	speciestraceamtflag	A yes/no indicator that a 'trace' amount of a species exists. A 'trace' is defined as 'less than a measureable amount'.
Basal Area by Spp	speciesbasalarea	The total basal area measured of a particular species.
Understory Ground Cover Pct	understorygrcovpct	The percentage of the total ground cover of each understory species within the plot.
Understory Ground Cover Class	understorygrcovclass	A class representing the proportion of the total ground cover of each understory species within the plot.
Seedling Density Class	seedlingdensityclass	A class indicating the density of seedling plants of a species per unit area.
Mature Density Class	maturedensityclass	A class indicating the density of mature plants of a species per unit area.
Vegetation Strata Level	vegetationstratalevel	Identifies which strata or level of the vegetation canopy the particular referenced plant is a part of.
Order of Dominance	orderofdominance	A numeric indicator of the dominance of the particular plant within the total plant community; 1 being most dominant.
Observed Outside Plot?	outsideplotindicator	An indicator that a particular plant was observed on the site, but actually outside the vegetation inventory plot.
Estimated Annual Prod	estannualprod	The estimated annual air-dry production of a particular species within the sample plot.

Column Label	Column Physical Name	Column Description
ESD Annual Prod	esdannualprod	The annual air_dry production of a particular species as shown in the respective Ecological Site Description.
Allowable Annual Prod	allowableannualprod	The allowable annual air-dry production of a particular species within the sample plot.
Palatable Annual Prod	palatableannualprod	The palatable annual air-dry production of a particular species within the sample plot.
AK Functional Group	akfunctionalgroup	General life form and horizontal layer (cover class) added to accommodate the STRATUMcv class attribute in AK SITE.
AK Stratum Cover Class Pct	akstratumcoverclasspct	The ALASKA STRATUM COVER CLASS Cover in percent. It is proposed to be put in the Plot_Plant_Inventory table as a state (AK) specific attribute.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	plotplantinventoryiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: plotplanttypecanopycover

Table Label: Plot Plant Type Canopy Cover

Table Logical Name: plot_plant_type_canopy_cover

Column Label	Column Physical Name	Column Description
Lineage	vegplotiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Plant Type Group	planttypegroup	The designation of a plant type group being inventoried by lifeform.
Height Class Lower Limit	plantheightcllowerlimit	The lower height limit of the plant height class being described.
Height Class Upper Limit	plantheightclupperlimit	The upper height limit of the plant height class being described.
Canopy Cover Pct	planttypecancovpct	The percent canopy cover of each plant type group within the plot.
Canopy Cover Class	planttypecancovclass	The percent canopy cover of each plant type group within the plot, expressed as a class.
Assessment Method	cancovassessmethod	The method used to determine canopy cover.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	plotplanttypecancoviid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: plotsamplingprotocolused

Table Label: Plot Sampling Protocol Used

Table Logical Name: plot_sampling_protocol_used

Column Label	Column Physical Name	Column Description
Lineage	vegplotiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Protocol Name	plotsampprotocolname	The name(s) of the sampling protocol used in the plot-level vegetation inventory.
Data Collector	datacollector	The name of the person collecting the measurements or observations.
Data Collector	datarecorder	The name of the person that recorded the data.
Sampling Intensity	samplingintensity	The intensity of the sampling done with a particular sampling protocol.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	plotsampprotocolusediid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: plotsampprotocolrefecmdoc

Table Label: Plot Sample Protocol ECM Documents

Table Logical Name: plot_samp_protocol_ref_ecm_doc

Column Label	Column Physical Name	Column Description
Lineage	plotsampprotoclusediidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
ECM Document Type	ecmdoctype	The type of document that is in ECM. Such as, image (photo of the landscape, the soil profile, etc.), diagram (block diagram, cross-section of site, etc.), spreadsheet of some kind of data taken at the site but doesn't have a place in the NASIS point data and is not part of the KSSL measured data.
ECM Document Name	ecmdocname	The name (title) of the document being entered or retrieved from the Enterprise Content Management System.
ECM Document URL	ecmdockeyurl	Unique key created by ECM when a document is uploaded into ECM. To populate this field in NASIS the user must get the key from ECM. Copy it and then paste into this NASIS field.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	plotsamprotrefecmdociid	NASIS automatically assigns the record ID when a new row is created and uses this number as part of an internal key to uniquely identify each record in the database. This column always has protected status and can never be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: plotspeciesbasalarea

Table Label: Plot Species Basal Area

Table Logical Name: plot_species_basal_area

Column Label	Column Physical Name	Column Description
Lineage	vegplotiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Plant	plantiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Basal Area Factor	basalareafactor	The conversion factor used to compute total basal area for the site. The value chosen is dependent upon the tool used in the field.
Nmbr of Trees In	speciesnumbertreesin	The number of individual trees of a species in the plot that were counted during basal area measurement for a particular basal area factor.
Spp BA	speciesbasalarea	The total basal area measured of a particular species.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	plotspeciebasalareaiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: `plottreeinventory`

Table Label: Plot Tree Inventory

Table Logical Name: `plot_tree_inventory`

Column Label	Column Physical Name	Column Description
Lineage	<code>vegplotiidref</code>	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the <code>_iid_ref</code> is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	<code>seqnum</code>	Sequential number of the feature being described.
Plant	<code>plantiidref</code>	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the <code>_iid_ref</code> is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Nmbr of Trees Counted	<code>speciestreecount</code>	The total number of trees counted of a particular species.
Veg Plot Tree Inventory Composition Pct	<code>speciescompct</code>	The percentage of a particular species in the plant, including tree, community within the plot.
Veg Plot Tree Inventory DBH Avg	<code>speciesdbhaverage</code>	The average diameter at breast height (DBH) of the identified species.
Species Basal Area	<code>speciesbasalarea</code>	The total basal area measured of a particular species.
Rec ID	<code>plottreeinventoryiid</code>	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.
Record When Last Updated	<code>recwupdated</code>	The date and time the corresponding record was last updated.
Record Last Updated By	<code>recuseriidref</code>	The key of the NASIS user who last updated the corresponding record.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: plottreescounted

Table Label: Plot Trees Counted

Table Logical Name: plot_trees_counted

Column Label	Column Physical Name	Column Description
Lineage	plottreeinventoryiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
DBH Class Midpoint	dbhclassmidpoint	The midpoint value of the DBH size class inventoried, expressed as an even integer in inches.
Nmbr of Trees Counted	dbhclassspeciestreecount	The total number of trees counted of a particular species within a DBH class within the plot.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	plottreescountediid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: plottreesiteindexdetails

Table Label: Plot Tree Site Index Details

Table Logical Name: plot_tree_site_index_details

Column Label	Column Physical Name	Column Description
Lineage	plottreesiteindsumiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Tree ID Nmbr	treenumbr	The number assigned to a particular measured tree.
Crown Class	crownclass	Indicates whether the measured tree is dominant or codominant in the stand.
Reproduction Source	reproductionsource	How a particular tree was initiated, or method of regeneration.
DBH	treediameterbreastheight	The diameter of measured tree at breast height, typically 4.5 feet above ground level. In high latitudes and high altitudes where growing conditions limit tree growth to less than one inch per years.
Ten Yr Growth Radius	tenyeargrowthradius	Radius of the last 10 growth rings of a particular tree to the nearest 0.1 inch.
Growth Ring Count	growthringcount	Total number of growth rings counted. Growth rings are counted (typically) using increment borer or stumps.
Growth Ring Count Height	growthringcountheight	Height above the ground where ring count was done. Typically at DBH (4.5 feet) but can be stumps or other height.
Growth Ring Count Age	growthringcountage	Number of years for the measured tree to reach the ring count height.
Tree Age	treeage	Total age of a particular tree, in years.
Canopy Ht Bottom	treecanopyhtbottom	The height to the bottom of the canopy of a particular tree being inventoried.
Canopy Ht Top	treecanopyhttop	The height to the top of the canopy of a particular tree being inventoried. Synonymous with 'tree height'.
AK Number of Rings in Last Inch	aknoringsinlastinch	The number of rings in the last inch of a specific tree's diameter can be used to provide an estimate of the tree's growth rate over the last X years. This is helpful when evaluating a tree's and by extension, a stand's production potential. This attribute is to be used to accommodate only the respective attribute included in Alaska's AK SITE databases.
Alaska Crown Class	akcrownclass	Same as the attribute known as Crown Class, but specifically used for Alaska data.

Column Label	Column Physical Name	Column Description
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseridref	The key of the NASIS user who last updated the corresponding record.
Rec ID	plottreesiteinddetailsiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: plottreesiteindexsummary

Table Label: Plot Tree Site Index Summary

Table Logical Name: plot_tree_site_index_summary

Column Label	Column Physical Name	Column Description
Lineage	vegplotiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Plant	plantiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Plant Nativity	plantnativity	The nativity of the plant species.
Site Index Curve	siteindexcurveiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Nmbr of Trees Counted	speciestreecount	The total number of trees counted of a particular species.
Average Site Index	siteindexplotave	Average of all site index measurements for a species within the plot.
DBH Avg	speciesdbhaverage	The average diameter at breast height (DBH) of the identified species.
Average Tree Age	treeageave	The average age of measured trees of a species within the plot, in years.
Average Canopy Top Ht	treecanopyhttopave	The average height to the top of the canopy of measured trees of a species. Synonymous with 'tree height'.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	plottreesiteindsumiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: plottreesummary

Table Label: Plot Tree Summary

Table Logical Name: plot_tree_summary

Column Label	Column Physical Name	Column Description
Lineage	vegplotiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
DBH Class Midpoint	dbhclassmidpoint	The midpoint value of the DBH size class inventoried, expressed as an even integer in inches.
Nmbr of Trees Counted	dbhclasstreecount	The total number of trees counted of all species within a particular DBH class within the plot.
DBH Class BA	dbhclassbasalarea	The total basal area measured for a DBH class within the plot.
DBH Class Tree Density	dbhclasstreedensity	The computed number of trees per acre within the plot for a particular DBH class size.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	plottreesummaryiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: pointplantcoverdetails

Table Label: Point Plant Cover Details

Table Logical Name: point_plant_cover_details

Column Label	Column Physical Name	Column Description
Lineage	vegtransplantsummiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Transect Point Location	transectpointlocation	The point of observation along the transect recorded as a distance from the starting point of the transect. Starting point of transect is zero.
Point Plant Cvr Details Live Canopy Ht Bottom	livecanopyhtbottom	Height of the bottom of the dominant canopy layer. For those plants with height to canopy bottom of less than 1 foot, it is permissible to record the height to tenths of a foot.
Live Canopy Ht Top	livecanopyhttop	Height of the top of the dominant canopy layer. For those plants with height to canopy top of less than 1 foot, it is permissible to record the height to tenths of a foot.
Canopy Cover Present?	canopycoverpresent	A yes/no indicator as to whether or not, a point along the transect is covered by the vertical projection of the outermost perimeter of the natural spread of foliage of the particular plant species. Small openings within the canopy are included.
Foliar Cover Present?	foliarcoverpresent	A yes/no indicator as to whether or not, a point along the transect is covered by the vertical projection of the aerial portions of the particular plant species. Small openings in the canopy are excluded.
Basal Cover Present?	basalcoverpresent	A yes/no indicator as to whether or not, a point along the transect is occupied by the basal portion of the particular plant species.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	pointplantcovdetailsiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: This table contains data pertaining to plant cover collected a points along a vegetation transect.

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: project

Table Label: Project

Table Logical Name: project

Column Label	Column Physical Name	Column Description
User Project ID	uprojectid	A short label to help a user identify a particular project.
Project Name	projectname	The name of the project.
Description	projectdesc	A narrative description of the corresponding project.
Approved?	projectapprovedflag	An indicator as to whether a given project is approved or not.
Completed?	projectcompletedflag	An indicator as to whether a given project is completed or not.
Project Type	projecttypeiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Project Subtype	projectsubtypeiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
MLRA Soil Survey Office Area	mlrassoareaiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
MLRA Soil Survey Office Area Type	mlrassoareatypeiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Special Project?	specialprojectflag	An indicator whether the project involves the special project office.
Non-MLRA Soil Survey Area	nonmlrassaareaiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.

Column Label	Column Physical Name	Column Description
Non MLRA Soil Survey Area Type	nonmlrassaareatypeeiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
State Responsible	stateresponsible	The state that is responsible for the project being defined.
English Edit Site	editorsite	The location of the editor responsible for processing of manuscript for this survey area.
Compilation Funding Year	compfundyr	The fiscal year in which the compilation job for a particular soil survey is funded, expressed as year only - i.e. 1998.
Digital Map Finishing Site	dmfsite	The digital map finishing site to which maps for this survey are assigned for work.
Map Finish Method	mapfinishmeth	The method used for the map finishing job of a particular soil survey.
SSURGO Initiative?	ssurgoinitiative	Indicates whether or not a particular soil survey is designated as part of the SSURGO Digitizing Initiative.
Digitizing Funding Year	digfundyr	The fiscal year in which digitizing and certification for a particular soil survey is funded, expressed as year only (e.g. 2000).
Digitizing Unit	digunit	The digitizing business unit designated to digitize and perform the digitizing certification review for a particular soil survey.
Project NASIS Site	projectdbiidref	The internal ID (integer) of the NASIS Site that currently owns an object. Also known as the "owning NASIS Site ID". This value is assigned by NASIS and can only be changed by using the "Change Owner" function in NASIS.
NASIS Group	grpiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Object Last Updated	objwupdated	The date and time the corresponding object was last updated.
Object Last Updated By	objuseriidref	The key of the NASIS user who last updated the corresponding object.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.

Column Label	Column Physical Name	Column Description
Rec ID	projectiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: projectconcern

Table Label: Project Concern Need

Table Logical Name: project_concern

Column Label	Column Physical Name	Column Description
Lineage	projectiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Project Concern Type	projectconcerntypeidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	projectconcerniid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: Project concern need data.

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: projectconcerntype

Table Label: Project Concern Type

Table Logical Name: project_concern_type

Column Label	Column Physical Name	Column Description
Project Concern Type Name	projectconcerntypename	The type of resource concerns that are associated with the work in the project.
Project Concern Description	projectconcerntypedesc	A brief narrative description of a particular resource concern.
Notes	notes	Notes describing decisions, issues, or other history related to the record.
Obsolete?	obterm	Indicates whether a term is obsolete.
Project Concern Type NASIS Site	projectconcerntypedbiidref	The internal ID (integer) of the NASIS Site that currently owns an object. Also known as the "owning NASIS Site ID". This value is assigned by NASIS and can only be changed by using the "Change Owner" function in NASIS.
NASIS Group	grpiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Object Last Updated	objwlupdated	The date and time the corresponding object was last updated.
Object Last Updated By	objuseriidref	The key of the NASIS user who last updated the corresponding object.
Record When Last Updated	recwlupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	projectconcerntypeiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: Project concern type data.

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: projectcorrelation

Table Label: Project Correlation

Table Logical Name: project_correlation

Column Label	Column Physical Name	Column Description
Lineage	projectiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Date	recdate	The date associated with a particular record, expressed as month, day, year—xx/xx/xxxx.
Author	recauthor	Name of the person who entered, or is responsible for, a particular record.
Correlation Type	corrtype	The type of correlation event that produced the associated document.
Amendment Number	corramendnum	The identifier number of the associated Correlation Amendment.
Correlation Document	corrdoc	The text of the particular correlation document or amendment.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	projectcorrelationiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: projectdataneed

Table Label: Project Data Need

Table Logical Name: project_data_need

Column Label	Column Physical Name	Column Description
Lineage	projectiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Project Data Type	projectdatatypeiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Project Imagery Scale	projectimageryscale	The map scale in which analog map products are needed, expressed as the denominator of the scale, i.e. 24000 = 1:24000.
Date Needed	dateneeded	The date that an identified data layer or product is needed for a particular project, expressed as month, year (e.g. 10/2000).
Date Ordered	dateordered	The date that an identified data layer or product is actually ordered by NCGC for a particular project, expressed as month, year (e.g. 04/2000).
Date Received	datereceived	The date that an identified data layer or product for a particular project is actually received in the state, expressed as month, year (e.g. 09/2000).
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	projectdataneediid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: projectdatatype

Table Label: Project Data Type

Table Logical Name: project_data_type

Column Label	Column Physical Name	Column Description
Project Data Type Name	projectdatatypepname	The type of data layer or imagery product needed. The resolution of digital data or scale of imagery is part of the name provided - e.g. "DEM, 30-meter" or "Orthophotoquads - 1:12K".
Project Data Type Description	projectdatatypepedesc	A brief narrative description of a particular data layer or imagery product.
Notes	notes	Notes describing decisions, issues, or other history related to the record.
Obsolete?	obterm	Indicates whether a term is obsolete.
Project Data Type NASIS Site	projectdatatypepedbiidref	The internal ID (integer) of the NASIS Site that currently owns an object. Also known as the "owning NASIS Site ID". This value is assigned by NASIS and can only be changed by using the "Change Owner" function in NASIS.
NASIS Group	grpiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Object Last Updated	objwupdated	The date and time the corresponding object was last updated.
Object Last Updated By	objuseriidref	The key of the NASIS user who last updated the corresponding object.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	projectdatatypepeiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: projectecologicalsite

Table Label: Project Ecological Site

Table Logical Name: project_ecological_site

Column Label	Column Physical Name	Column Description
Lineage	projectiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Ecological Site	ecositeiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	projectecologicalsiteiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: projectfieldreview

Table Label: Project Field Review

Table Logical Name: project_field_review

Column Label	Column Physical Name	Column Description
Lineage	projectiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Date	recdate	The date associated with a particular record, expressed as month, day, year—xx/xx/xxxx.
Author	recauthor	Name of the person who entered, or is responsible for, a particular record.
Correlation Event	corevent	The activity or event during which the documented correlation decision was made.
Review Document	reviewdoc	The text of the particular field review document.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	projectfieldreviewiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: projectlandcatbreakdown

Table Label: Project Land Category Breakdown

Table Logical Name: project_land_cat_breakdown

Column Label	Column Physical Name	Column Description
Lineage	projectiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Land Category	projectlandcategory	A particular category of land by which acres in a soil survey area are reported.
Land Category Acres	projectlandcategoryacres	The extent of the portion of the soil survey area of a particular land category, in acres.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	projectlandcatbrkdniid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: projectmappinggoal

Table Label: Project Mapping Goal

Table Logical Name: project_mapping_goal

Column Label	Column Physical Name	Column Description
Lineage	projectiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Fiscal Year	fiscalyear	The designation of the referenced federal fiscal year (i.e. 1998), running October 1 through September 30.
Project Staff Member	projectstaffiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Initial NRCS Acres Goal	initnracsacresg	The Initial Acres mapping goal of NRCS personnel, for a particular fiscal year. Initial Acres have not been previously reported.
Initial Cooperator Acres Goal	initcoopacresg	The Initial Acres mapping goal of NCSS cooperators, for a particular fiscal year. Initial Acres have not previously been reported.
Update NRCS Acres Goal	updnracsacresg	The Update/Maintenance Acres mapping goal of NRCS personnel, for a particular fiscal year. Update/Maintenance Acres have previously been reported as Initial Acres or Update/Maintenance Acres.
Update Cooperator Acres Goal	updtcoopacresg	The Update/Maintenance Acres mapping goal of NCSS cooperators, for a particular fiscal year. Update/Maintenance Acres have previously been reported as Initial Acres or as Update/Maintenance Acres.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	projectmappinggoalid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: projectmappingprogress

Table Label: Project Mapping Progress

Table Logical Name: project_mapping_progress

Column Label	Column Physical Name	Column Description
Lineage	projectlandcatbrkdniidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Progress Reporting Date	progrptdate	The ending date of the period for which mapping progress is recorded, expressed as month, day, year—xx/xx/xxxx.
Initial NRCS Acres	initnracsacres	The actual number of Initial Acres mapped by NRCS personnel, in a particular period. Initial Acres have not been previously reported.
Initial Cooperator Acres	initcoopacres	The actual number of Initial Acres mapped by NCSS cooperator personnel, in a particular period. Initial Acres have not previously been reported.
Update NRCS Acres	updnracsacres	The actual number of Update/Maintenance Acres mapped by NRCS personnel, in a particular period. Update/Maintenance Acres have previously been reported as Initial Acres or as Update/Maintenance Acres.
Update Cooperator Acres	updtcoopacres	The actual number of Update/Maintenance Acres mapped by NCSS cooperator personnel, in a particular period. Update/Maintenance Acres have previously been reported as Initial Acres or as Update/Maintenance Acres.
Project Staff Member	projectstaffiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Project	projectiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.

Column Label	Column Physical Name	Column Description
Rec ID	projectmappingprogressiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: projectmapunit

Table Label: Project Mapunit

Table Logical Name: project_mapunit

Column Label	Column Physical Name	Column Description
Lineage	projectiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Mapunit	muiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	projectmapunitiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: projectmilestone

Table Label: Project Milestone

Table Logical Name: project_milestone

Column Label	Column Physical Name	Column Description
Lineage	projectiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Milestone Type	milestonetypeiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Milestone Description	milestonedesc	A narrative description of a particular milestone.
Scheduled Start Date	scheduledstartdate	The date the item is scheduled to be started, reported as mm/yyyy.
Scheduled Completion Date	scheduledcompletiondate	The date the item is scheduled to be completed, reported as mm/yyyy.
Milestone Date Started	milestonedatestarted	The date the milestone was actually started, reported as mm/yyyy.
Milestone Date Completed	milestonedatecompleted	The date the milestone was actually completed, reported as mm/yyyy.
Record When Last Updated	recwlupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	projectmilestoneiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: projectmilestoneprogress

Table Label: Project Milestone Progress

Table Logical Name: project_milestone_progress

Column Label	Column Physical Name	Column Description
Lineage	projectmilestoneiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Fiscal Year	fiscalyear	The designation of the referenced federal fiscal year (i.e. 1998), running October 1 through September 30.
Milestone Progress Amount	milestoneprogressamount	The number of items identified in the associated milestone completed during the fiscal year.
Milestone Progress Unit	milestoneprogressunit	The unit of measure for the particular milestone.
Project Staff Member	projectstaffiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Project	projectiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	projectmilestoneprogressiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: projectproduct

Table Label: Project Product

Table Logical Name: project_product

Column Label	Column Physical Name	Column Description
Lineage	projectiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Product Type	prodtype	A particular type of final product in which the information for a soil survey area is distributed.
Product Description	proddesc	A short, description of a particular soil survey area product. A product might be either an interim product of one of a number of potential end products.
Scheduled Delivery	prodsch	The date on which a soil survey area product is scheduled to be delivered, expressed as month, day, year—xx/xx/xxxx.
Product Text Formatted	ptextform	The date on which the product text is typeset and ready to be proofread, expressed as month, day, year—xx/xx/xxxx.
Product Text Proofed	ptextproof	The date on which the typeset and proofread product text is sent for final revisions, expressed as month, day, year—xx/xx/xxxx.
Product Text Completed	ptextcomplete	The date on which the final revisions have been made to the product text and the product text in in its final form prior to being sent for publication, expressed as month, day, year—xx/xx/xxxx.
Product Text Submitted	ptextsubmit	The date on which the final product text is actually submitted for publication, expressed as month, day, year—xx/xx/xxxx.
Actual Delivery	proddel	The date on which a soil survey area product is actually delivered, expressed as month, day, year—xx/xx/xxxx.
Availability Status?	prodastat	Indicates whether or not a particular soil survey area product is still available or in print.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	projectproductiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: projectstaff

Table Label: Project Staff

Table Logical Name: project_staff

Column Label	Column Physical Name	Column Description
Lineage	projectiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Project Staff Member	projectstaffuseridref	The key of the NASIS user who is a member of the corresponding project staff.
Project Leader?	projectleaderflag	An indicator as to whether this project staff member is the project leader.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseridref	The key of the NASIS user who last updated the corresponding record.
Rec ID	projectstaffiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: projectsubtype

Table Label: Project Subtype

Table Logical Name: project_subtype

Column Label	Column Physical Name	Column Description
Project Subtype Name	projectsubtypename	The name of the subtype of the project type.
Description	projectsubtypedesc	A brief narrative description of the project subtype.
Notes	notes	Notes describing decisions, issues, or other history related to the record.
Obsolete?	obterm	Indicates whether a term is obsolete.
Project Subtype NASIS Site	projectsubtypedbiidref	The internal ID (integer) of the NASIS Site that currently owns an object. Also known as the "owning NASIS Site ID". This value is assigned by NASIS and can only be changed by using the "Change Owner" function in NASIS.
NASIS Group	grpriidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Object Last Updated	objwupdated	The date and time the corresponding object was last updated.
Object Last Updated By	objuseriidref	The key of the NASIS user who last updated the corresponding object.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	projectsubtypeiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: projecttext

Table Label: Project Text

Table Logical Name: project_text

Column Label	Column Physical Name	Column Description
Lineage	projectiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Date	recdate	The date associated with a particular record, expressed as month, day, year—xx/xx/xxxx.
Author	recauthor	Name of the person who entered, or is responsible for, a particular record.
Kind	projecttextkind	A text entry is identified by its kind, category, and subcategory. Kind is the highest division of classification. Text kind provides a grouping of text entries according to their subject matter.
Category	textcat	A text entry is identified by its kind, category, and subcategory. Category is a subdivision of kind. "Agr" and "Soi" are two categories for the text kind "Nontechnical Description".
Subcategory	textsubcat	A text entry is identified by its kind, category, and subcategory. Subcategory is a subdivision of category. For text kind "Nontechnical" description and text category "Agr", subcategory would correspond to the SSSD field "desnum".
Text Entry	textentry	The actual narrative text portion of a text entry. The other parts of a text entry are its identifiers: kind, category and subcategory.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	projecttextiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: projecttype

Table Label: Project Type

Table Logical Name: project_type

Column Label	Column Physical Name	Column Description
Project Type Name	projecttypename	The name of the type of project.
Description	projecttypedesc	A brief narrative description of project type or activity.
Notes	notes	Notes describing decisions, issues, or other history related to the record.
Obsolete?	obterm	Indicates whether a term is obsolete.
Project Type NASIS Site	projecttypedbiidref	The internal ID (integer) of the NASIS Site that currently owns an object. Also known as the "owning NASIS Site ID". This value is assigned by NASIS and can only be changed by using the "Change Owner" function in NASIS.
NASIS Group	grpiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Object Last Updated	objwupdated	The date and time the corresponding object was last updated.
Object Last Updated By	objuseriidref	The key of the NASIS user who last updated the corresponding object.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	projectypeiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: projerefecmdoc

Table Label: Project Reference ECM Documents

Table Logical Name: project_ref_ecm_doc

Column Label	Column Physical Name	Column Description
Lineage	projectiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
ECM Document Type	ecmdoctype	The type of document that is in ECM. Such as, image (photo of the landscape, the soil profile, etc.), diagram (block diagram, cross-section of site, etc.), spreadsheet of some kind of data taken at the site but doesn't have a place in the NASIS point data and is not part of the KSSL measured data.
ECM Document Name	ecmdocname	The name (title) of the document being entered or retrieved from the Enterprise Content Management System.
ECM Document URL	ecmdockeyurl	Unique key created by ECM when a document is uploaded into ECM. To populate this field in NASIS the user must get the key from ECM. Copy it and then paste into this NASIS field.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	projectrefecmdociid	NASIS automatically assigns the record ID when a new row is created and uses this number as part of an internal key to uniquely identify each record in the database. This column always has protected status and can never be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: property

Table Label: Property

Table Logical Name: property

Column Label	Column Physical Name	Column Description
Seq	seqnum	Sequential number of the feature being described.
Property Name	propname	A property, or virtual data element, is a derived value that is not recorded in the database. A property can have high, low and representative values, but a single script can only calculate one property. A property calculation cannot be used for either validation or storage results, but can be used as an intermediate step in calculations, interpretations or reports. A property definition looks a lot like a data element definition, but it does not reside in the standard data dictionary element table because properties are created by users.
Description	propdesc	A narrative text definition of a property (derived or virtual data element).
Data Type	propdatatype	A code that specifies the physical data type of a property (derived or virtual data element).
Property	prop	A script defining a property's derivation procedure.
Modality	propmod	A specification of the behavior of a property describing whether single or multiple values are returned by the property.
Units	propuom	The units of measure in which a property is recorded, if any.
Minimum	propmin	Minimum allowable value for a property.
Maximum	propmax	Maximum allowable value for a property.
Default Value	propdefval	The value returned for the property if the property is otherwise null.
Ready to use?	dataafuse	Indicates whether or not an object is approved for use.
Property NASIS Site	propdbiidref	The internal ID (integer) of the NASIS Site that currently owns an object. Also known as the "owning NASIS Site ID". This value is assigned by NASIS and can only be changed by using the "Change Owner" function in NASIS.
NASIS Group	grpriidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Object Last Updated	objwupdated	The date and time the corresponding object was last updated.
Object Last Updated By	objuseridref	The key of the NASIS user who last updated the corresponding object.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.

Column Label	Column Physical Name	Column Description
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	propiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: propertytext

Table Label: Property Text

Table Logical Name: property_text

Column Label	Column Physical Name	Column Description
Lineage	propiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Date	recdate	The date associated with a particular record, expressed as month, day, year—xx/xx/xxxx.
Author	recauthor	Name of the person who entered, or is responsible for, a particular record.
Kind	textkind	A text entry is identified by its kind, category, and subcategory. Kind is the highest division of classification. Text kind provides a grouping of text entries according to their subject matter.
Category	textcat	A text entry is identified by its kind, category, and subcategory. Category is a subdivision of kind. "Agr" and "Soi" are two categories for the text kind "Nontechnical Description".
Subcategory	textsubcat	A text entry is identified by its kind, category, and subcategory. Subcategory is a subdivision of category. For text kind "Nontechnical" description and text category "Agr", subcategory would correspond to the SSSD field "desnum".
Text Entry	textentry	The actual narrative text portion of a text entry. The other parts of a text entry are its identifiers: kind, category and subcategory.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	proptextiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: query

Table Label: Query

Table Logical Name: query

Column Label	Column Physical Name	Column Description
Seq	seqnum	Sequential number of the feature being described.
Query Name	qryname	User specified name of a particular query.
Description	qrydesc	A narrative description of a particular query.
Query	query	The operative specification portion of a particular query. The syntax of this specification is expressed in the NASIS query language.
Ready to use?	dataafuse	Indicates whether or not an object is approved for use.
Query NASIS Site	qrydbiidref	The internal ID (integer) of the NASIS Site that currently owns an object. Also known as the "owning NASIS Site ID". This value is assigned by NASIS and can only be changed by using the "Change Owner" function in NASIS.
NASIS Group	grpdiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Object Last Updated	objwupdated	The date and time the corresponding object was last updated.
Object Last Updated By	objuseriidref	The key of the NASIS user who last updated the corresponding object.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	qryiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: queryfavorites

Table Label: Query Favorites

Table Logical Name: query_favorites

Column Label	Column Physical Name	Column Description
NASIS User	useridref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Query	qryiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Rec ID	queryfavoriteiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: querytext

Table Label: Query Text

Table Logical Name: query_text

Column Label	Column Physical Name	Column Description
Lineage	qryiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Date	recdate	The date associated with a particular record, expressed as month, day, year—xx/xx/xxxx.
Author	recauthor	Name of the person who entered, or is responsible for, a particular record.
Kind	textkind	A text entry is identified by its kind, category, and subcategory. Kind is the highest division of classification. Text kind provides a grouping of text entries according to their subject matter.
Category	textcat	A text entry is identified by its kind, category, and subcategory. Category is a subdivision of kind. "Agr" and "Soi" are two categories for the text kind "Nontechnical Description".
Subcategory	textsubcat	A text entry is identified by its kind, category, and subcategory. Subcategory is a subdivision of category. For text kind "Nontechnical" description and text category "Agr", subcategory would correspond to the SSSD field "desnum".
Text Entry	textentry	The actual narrative text portion of a text entry. The other parts of a text entry are its identifiers: kind, category and subcategory.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	qryptextiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: relationshipmaster

Table Label: Relationship Master

Table Logical Name: relationship_master

Column Label	Column Physical Name	Column Description
Lineage	indexiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Dependency Index	depindexiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
System	sysiidref	An integer number that uniquely identifies a database or information system repository in a particular database.
Relationship Name	relationshipname	A name given to a relationship between two tables in a relational database. If there is more than one relationship between the same two tables, the name of each of those relationships must be unique.
Fail on Delete?	deletefail	A Boolean value that indicates if the delete rule for the corresponding relationship is "fail". If the delete rule is not "fail", it is assumed to be "cascade".
Cardinality	cardinality	Indicates whether the relationship between the left table and right table is one to one or one to many. For a one to one relationship, a record in the left table is related to zero or one record in the right table. For a one to many relationship, a record in the left table is related to zero or more records in the right table. Cardinality does not indicate whether or not the relationship is mandatory.
Mandatory?	mandatory	Indicates if in order for a record to exist in the right table of a relationship, a corresponding record must exist in the left table of that relationship, i.e. mandatory = "yes". In other words, when mandatory is "no", a record may exist in the right table of a relationship without having a corresponding record in the left table of that relationship.
In Hierarchy?	inhierarchy	When InHierarchy is set, the two tables involved in the corresponding relationship are considered to be part of the same hierarchy. A hierarchy is a graph with a single root node where no branches ever converge. In a data model, a table may be a member of one and only one hierarchy. For the NASIS data model, MetadataTableCollection records all hierarchies that are defined. Other data models, like the one for the Staging Server, includes hierarchies but no table collections.
Favorite Child?	favoritechild	A Boolean value that indicates if the right table in a relationship corresponds to the left table's "favorite child". When visiting the "children" of a table, the "favorite child" is the default table that will be visited when no explicit child table is specified.
Traverse?	loadfindrelated	A Boolean value that indicates whether or not Load Related and Find Related are enabled for the corresponding relationship.
Allow Paste?	paste	A Boolean value that indicates if records can be created in the "right" table of a relationship by copying and "pasting" records from the "left" table in that relationship. In other words, new records are pasted into the "right" table of a

Column Label	Column Physical Name	Column Description
		relationship, where the only columns populated either correspond to columns that also exist in the left table of that relationship, or columns that have a default value.
Constraint Deferrable?	constraintdeferrable	A Boolean value that indicates if the corresponding constraint can be deferred.
Foreign Key Constraint Name	foreignkeyconstraintname	The foreign key constraint name associated with the corresponding relationship.
Relationship ID	relationshipid	An integer value that uniquely identifies a relationship between two tables in the NASIS-style metadata.
Pending Action	pendact	No description available.
Pending Status	pendstat	No description available.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Relationship	relationshipiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: Relationship master data

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: relationshipmasterhist

Table Label: Relationship Master History

Table Logical Name: relationship_master_history

Column Label	Column Physical Name	Column Description
Lineage	relationshipiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Date	notedate	Date the note was entered into NASIS.
Notes	notes	Notes describing decisions, issues, or other history related to the record.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	relationshipnoteiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.

Table Description: This table records changes made to a particular Relationship Master.

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: replicationparameter

Table Label: Replication Parameter

Table Logical Name: replication_parameter

Column Label	Column Physical Name	Column Description
Database Last Refreshed Timestamp	dblastrefreshedtimestamp	The date and time when the unlocked NASIS objects in a client NASIS database were last refreshed.
Lock NASIS User	lockuseridref	The primary key of the NASIS user who has one or more NASIS object instances in a client NASIS database locked. At any point in time, only one NASIS user may have one or more NASIS object instances locked.

Table Description: This single record table records assorted replication related parameters.

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: report

Table Label: Report

Table Logical Name: report

Column Label	Column Physical Name	Column Description
Seq	seqnum	Sequential number of the feature being described.
Report Name	rptname	User specified name of a particular report.
Description	rptdesc	A narrative description of a particular report.
Report Format	rptfmt	Report output format, html, xml, text, etc.
Report	report	The operative specification portion of a particular report. The syntax of this specification is expressed in the NASIS report language.
Ready to use?	dataafuse	Indicates whether or not an object is approved for use.
Report NASIS Site	rptdbiidref	The internal ID (integer) of the NASIS Site that currently owns an object. Also known as the "owning NASIS Site ID". This value is assigned by NASIS and can only be changed by using the "Change Owner" function in NASIS.
NASIS Group	grpiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Object Last Updated	objwupdated	The date and time the corresponding object was last updated.
Object Last Updated By	objuseriidref	The key of the NASIS user who last updated the corresponding object.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	rptiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: reportcolumn

Table Label: Report Column

Table Logical Name: report_column

Column Label	Column Physical Name	Column Description
Report	rptiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Table Physical Name	tabphynm	The physical (SQL) name of a database table.
Column Physical Name	colphynm	The physical (SQL) name of a column.
Rec ID	reportcolumniid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: reportfavorites

Table Label: Report Favorites

Table Logical Name: report_favorites

Column Label	Column Physical Name	Column Description
NASIS User	useridref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Report	rptiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Rec ID	reportfavoriteiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: reporttext

Table Label: Report Text

Table Logical Name: report_text

Column Label	Column Physical Name	Column Description
Lineage	rptiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Date	recdate	The date associated with a particular record, expressed as month, day, year—xx/xx/xxxx.
Author	recauthor	Name of the person who entered, or is responsible for, a particular record.
Kind	textkind	A text entry is identified by its kind, category, and subcategory. Kind is the highest division of classification. Text kind provides a grouping of text entries according to their subject matter.
Category	textcat	A text entry is identified by its kind, category, and subcategory. Category is a subdivision of kind. "Agr" and "Soi" are two categories for the text kind "Nontechnical Description".
Subcategory	textsubcat	A text entry is identified by its kind, category, and subcategory. Subcategory is a subdivision of category. For text kind "Nontechnical" description and text category "Agr", subcategory would correspond to the SSSD field "desnum".
Text Entry	textentry	The actual narrative text portion of a text entry. The other parts of a text entry are its identifiers: kind, category and subcategory.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	rpttextiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: rule

Table Label: Rule

Table Logical Name: rule

Column Label	Column Physical Name	Column Description
Seq	seqnum	Sequential number of the feature being described.
Rule Name	rulename	A user assigned name (typically connotative) for a rule.
Description	ruledesc	A narrative text definition of a rule.
Rule	rule	The specification of one or (optionally) more evaluations, other rules, or both that define an interpretive statement.
Primary Interpretation?	primaryinterp	Indicates if a rule corresponds to what we think of as a primary interpretation (rating or estimation of suitability for an intended use) as opposed to a sub-part of an interpretation (reason or description why a soil is not suitable for an intended use).
Rule Design	ruledesign	An indicator of the design scheme of the rule. The entry provides an indication of which end of the fuzzy value range, 0 or 1, represents the most limiting features. Most interpretive rules are designed such that the most limiting features are those with a fuzzy value closest to 1. However, interpretive rules that are designed to evaluate the favorable features of a soil, such as the suitability as a gravel source, may be written such that the most limiting features are those with a fuzzy value closest to 0.
Not Rated Phrase	notratedphrase	The rating class name that should be returned when a fuzzy logic soil interpretation cannot be derived due to missing data. The default value for this string is "Not rated", but NASIS permits the designer of an interpretation to change this default.
Ready to use?	dataafuse	Indicates whether or not an object is approved for use.
Rule NASIS Site	ruledbiidref	The internal ID (integer) of the NASIS Site that currently owns an object. Also known as the "owning NASIS Site ID". This value is assigned by NASIS and can only be changed by using the "Change Owner" function in NASIS.
NASIS Group	grpriidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Object Last Updated	objwupdated	The date and time the corresponding object was last updated.
Object Last Updated By	objuseriidref	The key of the NASIS user who last updated the corresponding object.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.

Column Label	Column Physical Name	Column Description
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	ruleiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: ruleevalcomp

Table Label: Rule Evaluation Component

Table Logical Name: rule_evaluation_component

Column Label	Column Physical Name	Column Description
Rule	ruleiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Evaluation	evaliidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Rec ID	ruleeciid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: ruleratingclass

Table Label: Rule Rating Class

Table Logical Name: rule_rating_class

Column Label	Column Physical Name	Column Description
Lineage	ruleiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Rating Class Name	ratingclassname	The name of one of the rating classes for the corresponding fuzzy logic soil interpretation rule.
Rating Class Upper Boundary	ratingclassupperboundary	The inclusive rating value upper boundary of the corresponding rating class.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	ruleratingclassiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: rulerulecomp

Table Label: Rule Rule Component

Table Logical Name: rule_rule_component

Column Label	Column Physical Name	Column Description
Rule	ruleiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Subrule	ruleiidref2	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Rec ID	rulerciid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: ruletext

Table Label: Rule Text

Table Logical Name: rule_text

Column Label	Column Physical Name	Column Description
Lineage	ruleiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Date	recdate	The date associated with a particular record, expressed as month, day, year—xx/xx/xxxx.
Author	recauthor	Name of the person who entered, or is responsible for, a particular record.
Kind	textkind	A text entry is identified by its kind, category, and subcategory. Kind is the highest division of classification. Text kind provides a grouping of text entries according to their subject matter.
Category	textcat	A text entry is identified by its kind, category, and subcategory. Category is a subdivision of kind. "Agr" and "Soi" are two categories for the text kind "Nontechnical Description".
Subcategory	textsubcat	A text entry is identified by its kind, category, and subcategory. Subcategory is a subdivision of category. For text kind "Nontechnical" description and text category "Agr", subcategory would correspond to the SSSD field "desnum".
Text Entry	textentry	The actual narrative text portion of a text entry. The other parts of a text entry are its identifiers: kind, category and subcategory.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	ruletextiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: site

Table Label: Site

Table Logical Name: site

Column Label	Column Physical Name	Column Description
User Site ID	usiteid	A short label to help a user identify a particular site.
WGS84 Latitude DD	latstddecimaldegrees	Standardized latitude value in decimal degrees, in geographic coordinate system, WGS84 datum. Values are either auto-populated from GPS, or computed from original latitude coordinates using standard conversion algorithms.
WGS84 Longitude DD	longstddecimaldegrees	Standardized longitude value in decimal degrees, in geographic coordinate system, WGS84 datum. Values are either auto-populated from GPS, or computed from original longitude coordinates using standard conversion algorithms.
Coordinate Source	geocoordsource	The method or source used to acquire the original geographic coordinates identified for the Site.
GPS Positional Error	gpspositionalerror	The potential distance in meters between the GPS coordinate location and the "true" location of a point observation. The "true" location of the point observation usually lies within the area covered by a circle centered on the GPS coordinate location with a radius equal to the positional error.
GPS PDOP	gpspdop	Position (3D) dilution of precision - a term used in geomatics engineering to describe the geometric strength of satellite configuration. A low PDOP value represents a better GPS positional accuracy due to the wider angular separation between the satellites used to calculate a GPS unit's position. The value is acquired from the GPS unit.
Location Description	locdesc	A description of the geographic location in terms that are not from a location system. This may include reference to cultural or natural features, or other features that can only be used by one visiting the location.
PLSS Section Details	plsssdetails	Details about the location within the specified section to locate the site. This is based on a reference to one of the corners of the section, and distance and direction to locate the site within the section. (Man. of Instr. for Survey of Public Lands of US, 1947).
PLSS Section	plsssection	The numeric identifier of a subdivision of a township quadrangle, normally 1 square mile with 36 sections per township (Man. of Instr. for Survey of Public Lands of US, 1947).
PLSS Township	plss township	The unit of survey, normally a quadrangle 6 miles on a side. When used in conjunction with "range" to indicate the coordinates of a particular township quadrangle. (Man. of Instr. for Survey of Public Lands of US, 1947).
PLSS Range	plssrange	The reference to a township quadrangle, when used in conjunction with township. (Man. of Instr. for Survey of Public Lands of US, 1947)
PLSS Meridian	plssmeridian	The designated identifier of a line along an astronomical meridian that establishes the reference for township boundaries. This is part of the Public Land Survey System (PLSS) which includes meridian, township, range, and section. (Man. of Instr. for Survey of Public Lands of US, 1947.)
State	stateareaiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS

Column Label	Column Physical Name	Column Description
		users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
State Area Type	stateareatypeiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
County	countyareaiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
County Area Type ID	countyareatypeiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
MLRA	mlraareaiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
MLRA Area Type	mlraareatypeiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Veg Plot Size	vegplotsize	The area of a vegetation inventory plot expressed in square meters.
Elevation	elev	The vertical distance from mean sea level to a point on the earth's surface.
Corrected Elevation	elevcorrected	The corrected (post-processed) vertical distance from mean sea level to a point on the earth's surface obtained by inputting the GPS coordinates for the location into a web application, which then returns the actual elevation for the coordinate point. The accuracy of the value returned is dependent upon the accuracy and precision of the coordinate point values provided.
Geomorphic Component Hills	geomposhill	A mappable part of the earth's surface (three dimensional) that represents an episode of landscape development of hills.
Geomorphic Component Mountains	geomposmntn	A mappable part of the earth's surface (three dimensional) that represents an episode of landscape development of mountains.
Geomorphic Component Terraces	geompostrce	A mappable part of the earth's surface (three dimensional) that represents an episode of landscape development of terraces.

Column Label	Column Physical Name	Column Description
Geomorphic Component Flats	geomposflats	Description of the geomorphic component for flats.
Hillslope Profile	hillslopeprof	Two dimensional slope segments of a hillslope that have similar geometric, erosional, or depositional characteristics.
Slope Position	geomslopeseg	Position of the pedon site within the segment of the slope.
Slope Gradient	slope	The difference in elevation between two points, expressed as a percentage of the distance between those points. (SSM)
Aspect	aspect	The direction toward which the surface of the soil faces, expressed as an angle between 0 and 360 degrees, inclusive, measured clockwise from true north.
Slope Length USLE	slopelenusle	The distance from the point of origin of overland flow to the point where either the slope gradient decreases enough that deposition begins, or the runoff water enters a well-defined channel that may be part of a drainage network or a constructed channel. (Predicting Rainfall Erosion Losses a Guide to Conservation Planning, Agr. Handbook #537, USDA, 1978).
Upslope Length	sloplenuptro	The length of slope that contributes water to a site or point. (SSM)
Slope Shape Across	shapeacross	The geometric, two dimensional profile (shape) of the slope parallel to elevation contours.
Slope Shape Up Down	shapedown	The geometric, two dimensional profile (shape) of the slope perpendicular to elevation contours.
Slope Complexity	slopecomplex	The identification of whether the landscape surface is simple or complex.
Local Physiographic Name	locphysnm	A name used locally to identify physiographic features. These may be names found of USGS Topographic Quadrangles, i.e. Bob's Hill.
Drainage Class	drainagecl	Identifies the natural drainage conditions of the soil and refers to the frequency and duration of wet periods. An example of a drainage class is well drained.
Ksat Class Upper	siteksatclassupper	The saturated hydraulic conductivity (Ksat) class assigned to the upper part of the soil profile, or the whole profile is no strongly contrasting classes occur within the profile depth.
Ksat Class Lower	siteksatclasslower	The saturated hydraulic conductivity (Ksat) class assigned to the lower part of the soil profile when strongly contrasting classes occur within the profile depth.
Local Runoff Class	runoff	Runoff potential class for the soil, assigned based on local/state/MLRA criteria.
Drainage Pattern	drainagepattern	The configuration or arrangement, in plan view, of the stream courses in an area, including gullies or first-order areas of channelized flow, tributaries, and main streams. It is related to local geologic materials, geomorphologic features, and geomorphic history of the area; major drainage pattern types include dendritic, trellis, artificial, etc. Also called drainage network.

Column Label	Column Physical Name	Column Description
Parent Material Group Name	pmgroupname	Name for the concatenation of PARENT_MATERIAL_MODIFIER, PARENT_MATERIAL_KIND, and PARENT_MATERIAL_ORIGIN for each of the parent materials that may occur in a vertical cross section of a soil.
Climate Station ID	climstaid	The station identifier. This is assigned by the responsible agency. This identifier uniquely identifies a climate station.
Climate Station Name	climstanm	The full descriptive name of the station as recognized by the agency responsible for the station.
Climate Station Type	climstatype	The type of the weather station, U.S. Official or Other.
Frost Free Days	ffd	The expected number of days between the last freezing temperature (0 degrees Celsius) in spring (Jan-Jul) and the first freezing temperature (0 degrees Celsius) in the fall (Aug-Dec). The number of days is based on the probability that the values for the standard "normal" period of 1961 to 1990 will be exceeded in 5 years out of 10.
MAP	map	The arithmetic average of the total annual (liquid) precipitation taken over the standard "normal" period, 1961-1990.
REAP	reannualprecip	An estimate of the amount of moisture available for plant use and/or soil forming processes at a given site. It may vary, plus or minus, from "actual" precipitation amounts as a function of runoff, runoff, temperature, aspect, etc.
MAAT	airtempa	The arithmetic average of the daily maximum and minimum temperatures for a calendar year taken over the standard "normal" period, 1961 to 1990.
MAST	soiltempa	The mean annual soil temperature (MAST) at a depth of 50 cm below the soil surface, or at the upper boundary of a root-limiting layer as defined in Soil Taxonomy, whichever is shallower.
MSAT	airtemps	The mean of the mean June, July and August mean air temperatures in the northern hemisphere. (USDA, 1941, Climate & Man, pg. 690)
MSST	soiltemps	The mean of June, July and August monthly mean soil temperatures (in the northern hemisphere) at a depth of 50 cm below the soil surface, or at the upper boundary of a root-limiting layer as defined in Soil Taxonomy, whichever is shallower.
MWAT	airtempw	The mean of the mean December, January and February mean air temperatures in the northern hemisphere. (USDA, 1941, Climate & Man, pg. 690)
MWST	soiltempw	The mean of December, January, and February monthly mean soil temperatures (in the northern hemisphere) at a depth of 50 cm below the soil surface, or at the upper boundary of a root-limiting layer as defined in Soil Taxonomy, whichever is shallower.
Flooding Frequency Class	floodfreqcl	The annual probability of a flood event (inundation by flowing water), expressed as a class. (SSM).
Flooding Duration Class	floddurcl	Average duration of inundation per flood occurrence and expressed as a class. (NSSH)
Flooding Month	flodmonthbeg	The month of the year in which the predicted flooding period of a soil is likely to begin.

Column Label	Column Physical Name	Column Description
Ponding Frequency	pondfreqcl	The annual probability of a ponding event (inundation by standing water), expressed as a class.
Ponding Duration	ponddurcl	The average duration, or length of time, of the ponding occurrence. (NSSH)
Ponding Month	pondmonthbeg	The month of the year in which the predicted flooding period of a soil is likely to begin.
Wet Soil Moisture Duration	wtabledur	The cumulative annual duration (time) that a water table can be expected to exist in the soil, measured in days.
Cowardin Wetland System	cowardinwetlandsystem	The Cowardin Wetland Classification system is a multi-level hierarchical classification system. "System" is the top level of the hierarchy. Reference: http://www.npwrc.usgs.gov/resource/wetlands/classwet/class.htm
Cowardin Wetland Subsystem	cowardinwetlandsubsystem	The Cowardin Wetland Classification system is a multi-level hierarchical classification system. "Subsystem" is the second level of the hierarchy. Reference: http://www.npwrc.usgs.gov/resource/wetlands/classwet/class.htm
Cowardin Wetland Class	cowardinwetlandclass	The Cowardin Wetland Classification system is a multi-level hierarchical classification system. "Class" is the third level of the hierarchy. Reference: http://www.npwrc.usgs.gov/resource/wetlands/classwet/class.htm
Cowardin Wetland Subclass	cowardinwetlandsubclass	The Cowardin Wetland Classification system is a multi-level hierarchical classification system. "Subclass" is the fourth level of the hierarchy. Reference: http://www.npwrc.usgs.gov/resource/wetlands/classwet/class.htm
Cowardin Moisture Regime Modifier	cowardinmoistregimemodifier	To fully describe wetlands and deepwater habitats, one must apply certain Modifiers at the Class level and at lower levels in the classification hierarchy.
HGM Class	hgmcass	The top level of the Hydrogeomorphic Wetland Classification System.
HGM Subclass	hgmsubclass	The second level of the Hydrogeomorphic Wetland Classification System. The terms used for subclasses are developed at a region or local level.
HGM Modifier	hgmmodifier	A regional or locally determined modifier term that is applied to the HGM Subclass as part of the Hydrogeomorphic Wetland Classification System.
Legacy Ecological Site ID	legacyecositeid	The identifying code of an ecological site converted from legacy data that could not be converted to a current official ecological site ID.
Legacy Ecological Site Name	legacyecositename	The name of an ecological site converted from legacy data that could not be converted to a current official ecological site name.
MFFP	meanfrostfreeprecip	The long-term average precipitation received during the frost-free period of the year.

Column Label	Column Physical Name	Column Description
PE Index	peindex	A number designating the Thornthwaites precipitation-evaporation index (i.e., ratio of precipitation to evapotranspiration) for the area, as derived from SCS drawing number 5S-16, 270.
Plot Estab Year	plotestablishedyear	The calendar year that the plot was first visited and established.
Plot Nmbr	plotnum	The sequential number of the plot. Numbers are padded with leading zeros to create a 3-digit number.
Alternative ID	alternativeid	Used to assign an additional unique identifier to a site record for the purposes of connecting a NASIS site record to external non-NASIS data. For example, NEON or NWCA are special projects that required a site record be entered into NASIS. These projects also had their own custom unique identifiers for each site and this column makes it easier to connect the NASIS site to the NEON or NWCA site.
RaCA Site ID	rcasiteid	The unique identifier assigned to this site/plot by the project organizers.
RaCA Soil Group ID	rcasoilgroupid	The identifier assigned to the soil grouping that this site/plot belongs with.
DSP Plot ID	dspplotid	The identifier of the Dynamic Soil Property plot; assigned as part of the project plan.
DSP Site Type	dspsitetype	The type of site being sampled for a DSP study.
Plot Configuration	sampleplotconfiguration	The arrangement or shape of the sampled plot.
Plot Width	plotwidth	The width of a rectangular plot, reported in meters.
Plot Baseline Length	plotbaselinelength	The length of the baseline of a rectangular plot, reported in meters.
Plot Baseline Azimuth	plotbaselineazimuth	The direction that the baseline of a rectangular plot is oriented, reported in degrees.
Plot Radius	plotradius	The radius of a circular shaped plot, reported in meters.
Triangle Plot Side Length	plottrianglesidelength	The length of the side of a triangular sample plot, reported in meters.
Chain Plot Max Width	plotchainmaxwidth	The maximum width of a chain plot, reported in meters.
Chain Plot Max Length	plotchainmaxlength	The maximum length of a chain plot, reported in meters.
Plot Offset Azimuth	plotoffsetazimuth	For a plot that has been moved from its original intended location, this is the direction from the original point that the new center of a circular plot or corner of a rectangular plot is moved, reported in degrees.
Plot Offset Distance	plotoffsetdistance	For a plot that has been moved from its original intended location, this is the distance from the original point that the new center of a circular plot or corner of a rectangular plot is moved, reported in meters.
Plot Set Up By	plotcreator	The name of the person(s) that set up the plot and laid out its sampling arrangement.

Column Label	Column Physical Name	Column Description
Plot or Site Recorder	recorder	The name of the person that recorded information pertaining to this site.
Benchmark Soil?	benchmarksoilflag	An indicator as to whether this site is on a benchmark soil.
Not Publicly Available?	notpubaval	Indicates whether the site, along with the associated pedon and list of plants, can be made publicly available.
Latitude Degrees	latdegrees	Latitude in degrees. (Snyder, J.P., 1982, Map Projections Used by the USGS)
Latitude Minutes	latminutes	Latitude in minutes. (Snyder, J.P., 1982, Map Projections Used by the USGS)
Latitude Seconds	latseconds	Latitude in seconds and decimal seconds. (Snyder, J.P., 1982, Map Projections Used by the USGS)
Latitude Direction	latdir	Latitude position north or south of the equator. (Snyder, J.P., 1982, Map Projections Used by the USGS)
Longitude Degrees	longdegrees	Longitude in degrees. (Snyder, J.P., 1982, Map Projections Used by the USGS)
Longitude Minutes	longminutes	Longitude minutes. (Snyder, J.P., 1982, Map Projections Used by the USGS)
Longitude Seconds	longseconds	Longitude in seconds and decimal seconds. (Snyder, J.P., 1982, Map Projections Used by USGS)
Longitude Direction	longdir	Longitude east or west of Greenwich (the Prime Meridian or origin). (Snyder, J.P., 1982, Map Projections Used by the USGS)
Datum Name	horizdatnm	The identification given to the reference system used for defining the coordinates of points. (Content Standards for Spatial Metadata, FGDC, 3/31/94 draft). This entry applies to both lat/long and UTM coordinates. NO LONGER USED BECAUSE CAN'T DIFFERENTIATE BETWEEN UTM AND DMS.
UTM Zone	utmzone	Zones of the Universal Transverse Mercator projection system bounded by meridians, the longitudes are multiples of 6 degrees. Zones are numbered from 1 to 60 proceeding east from the 180th meridian from Greenwich, England.
UTM Easting	utmeasting	The distance, in meters, proceeding east for the UTM zone. The UTM zone central meridian is the origin and is designated a value of 500,000 meters creating a "false" easting.
UTM Northing	utmnorthing	The distance, in meters, north from the UTM zone origin. For "north", origin is the equator equal zero. For the southern hemisphere it is a false northing with origin, i.e. the equator, equal to 10,000,000 meters.
Site NASIS Site	sdbiidref	The internal ID (integer) of the NASIS Site that currently owns an object. Also known as the "owning NASIS Site ID". This value is assigned by NASIS and can only be changed by using the "Change Owner" function in NASIS.
NASIS Group	grpIIDref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS

Column Label	Column Physical Name	Column Description
		users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Object Last Updated	objwlupdated	The date and time the corresponding object was last updated.
Object Last Updated By	objuseriidref	The key of the NASIS user who last updated the corresponding object.
Record When Last Updated	recwlupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	siteiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: siteaoverlap

Table Label: Site Area Overlap

Table Logical Name: site_area_overlap

Column Label	Column Physical Name	Column Description
Lineage	siteiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Area	areaiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	sareaoviid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: siteassoc

Table Label: Site Association

Table Logical Name: site_association

Column Label	Column Physical Name	Column Description
User Site Association ID	usiteassocid	A short label to help a user identify a particular site association.
Site Association NASIS Site	sadbiidref	The internal ID (integer) of the NASIS Site that currently owns an object. Also known as the "owning NASIS Site ID". This value is assigned by NASIS and can only be changed by using the "Change Owner" function in NASIS.
NASIS Group	grpiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Object Last Updated	objwupdated	The date and time the corresponding object was last updated.
Object Last Updated By	objuseriidref	The key of the NASIS user who last updated the corresponding object.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	siteassociid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: siteassocsite

Table Label: Site Association Site

Table Logical Name: site_association_site

Column Label	Column Physical Name	Column Description
Lineage	siteassociidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Associated Site	siteiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	siteasiteiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: siteassocsoi

Table Label: Site Associated Soils

Table Logical Name: site_associated_soils

Column Label	Column Physical Name	Column Description
Lineage	siteiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Associated Soil	assocsoi	Name of a soil (series or other identifier) that is (geographically) associated with the soil being described.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	siteassocsoiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: siteassoctext

Table Label: Site Association Text

Table Logical Name: site_association_text

Column Label	Column Physical Name	Column Description
Lineage	siteassociidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Date	recdate	The date associated with a particular record, expressed as month, day, year—xx/xx/xxxx.
Author	recauthor	Name of the person who entered, or is responsible for, a particular record.
Kind	siteassoctextkind	A text entry is identified by its kind, category, and subcategory. Kind is the highest division of classification. "Correlation notes" and "Nontechnical description" are two kinds of text entries.
Category	textcat	A text entry is identified by its kind, category, and subcategory. Category is a subdivision of kind. "Agr" and "Soi" are two categories for the text kind "Nontechnical Description".
Subcategory	textsubcat	A text entry is identified by its kind, category, and subcategory. Subcategory is a subdivision of category. For text kind "Nontechnical" description and text category "Agr", subcategory would correspond to the SSSD field "desnum".
Text Entry	textentry	The actual narrative text portion of a text entry. The other parts of a text entry are its identifiers: kind, category and subcategory.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	siteatextiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: sitebedrock

Table Label: Site Bedrock

Table Logical Name: site_bedrock

Column Label	Column Physical Name	Column Description
Lineage	siteiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Vertical Order	bedrockorder	The vertical sequence in which bedrock layers occur, when more than one layer exists and is observed below the soil profile, beginning with the uppermost layer and working downward. If only one exists or is observed, no entry is required.
Geologic Group	geogroup	The lithostratigraphic unit next in rank below a supergroup. A group is a named assemblage of related superposed formations, which may include unnamed formations. Groups are useful for small-scale (broad) mapping and regional stratigraphic analysis.
Geologic Formation	geoform	The basic lithostratigraphic unit used to describe, delimit, and interpret sedimentary, extrusive igneous, metavolvanic, and metasedimentary or sediment bodies (excludes metamorphic and intrusive igneous rocks), based on lithic characteristics and stratigraphic position. A formation is commonly, but not necessarily, tabular and stratified and is of sufficient extent to be mappable at the earth's surface or traceable in the subsurface at convenient map scales.
Geologic Member	geomember	The formal lithostratigraphic unit next in rank below a formation, and always part of a formation. A formation need not be divided selectively or entirely into members. A member may extend laterally from one formation to another.
Bedrock Depth	bedrckdepth	The observed depth to the top of the bedrock layer.
Kind	bedrckkind	Lithology (composition) of bedrock. (AGI)
Hardness	bedrckhardness	The degree of hardness of the underlying rock.
Bedrock Fracture Interval	bedrckfractint	Bedrock fracture interval. At a lithic or paralithic contact cracks must be greater than 10 cm apart. (Soil Taxonomy)
Bedrock Weathering	bedrckweather	Degree of bedrock weathering.
Bedrock Strike	bedrckstrike	The apparent direction or bearing of a horizontal line in the plane of an inclined stratum.
Bedrock Dip	bedrckdip	The apparent inclination of bedrock from the horizontal (AGI).
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.

Column Label	Column Physical Name	Column Description
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	sitebedrockiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: siteecositehistory

Table Label: Site Ecological Site History

Table Logical Name: site_ecological_site_history

Column Label	Column Physical Name	Column Description
Lineage	siteiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Correlation Date	ecositecorrdate	The date this particular correlation between a Site and Ecological Site was made.
Ecological Site	ecositeiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Classifier	classifier	The name of the person who assigned this particular classification.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	siteecositehistoryiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: siteerosionacc

Table Label: Site Erosion Accelerated

Table Logical Name: site_erosion_accelerated

Column Label	Column Physical Name	Column Description
Lineage	siteobsiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Kind	erokind	The type of detachment and removal of surface soil particles as largely affected by human activities. (SSM)
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	siteeroacciid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: sitegeomordesc

Table Label: Site Geomorphic Description

Table Logical Name: site_geomorph_desc

Column Label	Column Physical Name	Column Description
Lineage	siteiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Geomorphic Feature	geomfiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Feature Modifier	geomfmod	A user specified term(s) used in association with geomorphic features to further define, clarify, and describe the setting of a soil in the landscape. The terms may, for example, describe relative position, mode of formation, degree of degradation, slope, or geologic time of origin.
Feature ID	geomfeatid	An integer ID assigned by the user to identify a particular geomorphic feature row in a table.
Exists on Feature ID	existsonfeat	An integer referring to a feature ID number of another row in the same table, intended to indicate that one geomorphic feature exists on another feature.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	sitegeomdiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: siteindexcurve

Table Label: Site Index Curve

Table Logical Name: site_index_curve

Column Label	Column Physical Name	Column Description
Site Index Base Number	siteindexbasenumber	The number in the National Register of Site Index Curves corresponding to the site index curve used to determine the site index and the annual productivity of forest overstory tree species.
Site Index Base	siteindexbase	The technical publication used to determine site index, and wood volume growth rates in some cases. The National Register of Site Index Curves, Exhibit 537-1, National Forestry Manual, 1998 provides a list of site index technical publications. References for Site Index Base: National Forestry Handbook, Part 637.2(b) 2004. https://directives.nrcs.usda.gov/sites/default/files/2/1719427825/National%20Forestry%20Handbook.pdf . Accessed July 16, 2024
Site Index Age Base	siteindexagebase	The age of dominant and codominant trees for which a site index curve is designed. The age base is either total tree age (TA) or breast height age (BH). Breast height age is the number of years that site trees require to grow from breast height (4.5 feet) to their current height. Reference for Site Index Age Base: "Measuring Site Index" - https://www.pubs.ext.vt.edu/content/dam/pubs_ext_vt_edu/2812/2812-1028/CNRE-96.pdf . Accessed July 16, 2024
Site Index Base Description	siteindexbasedesc	Detailed reference information for the site index base technical publication
Notes	notes	Notes describing decisions, issues, or other history related to the record.
Obsolete?	obterm	Indicates whether a term is obsolete.
Site Index Curve NASIS Site	siteindexcurvedbiidref	The internal ID (integer) of the NASIS Site that currently owns an object. Also known as the "owning NASIS Site ID". This value is assigned by NASIS and can only be changed by using the "Change Owner" function in NASIS.
NASIS Group	grpiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Object Last Updated	objwupdated	The date and time the corresponding object was last updated.
Object Last Updated By	objuseridref	The key of the NASIS user who last updated the corresponding object.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.

Column Label	Column Physical Name	Column Description
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	siteindexcurveiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: Stores site index curves information from the Exhibit 537-1 of the National Forestry Manual.

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: siteinundationtype

Table Label: Site Inundation Type

Table Logical Name: site_inundation_type

Column Label	Column Physical Name	Column Description
Lineage	siteobsiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Inundation Type	inundationtype	Indicates the type of inundation process.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	siteinundationtypeiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: siteiristubedata

Table Label: Site IRIS Tube Data

Table Logical Name: site_iris_tube_data

Column Label	Column Physical Name	Column Description
Lineage	siteobsiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Tube ID	iristubeid	The ID number assigned to each iris tube.
Top Depth Evaluated	topdepthevaluated	The top depth of the area of the iris tube evaluated.
Bottom Depth Evaluated	bottomdepthevaluated	The bottom depth of the area of the iris tube evaluated.
Date Installed	dateinstalled	The date the monitoring equipment was installed.
Date Removed	dateremoved	The date the monitoring equipment was removed.
Iron Pct Removed	ironpctremoved	The percent of the iron removed from the iris tube between the top and the bottom depths evaluated.
Soil Reduced?	reducedsoilflag	Indicator of reduction in soils using method SSIR51V1-7.1.1.2.1 (IRIS) Tubes. Presence of reduction is yes and absence of reduction is no.
Scan Image File Name	irisimagefilename	The file name of the IRIS tube scan image file.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	siteiristubedataiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: siteiristubeimage

Table Label: Site IRIS Tube Image

Table Logical Name: site_iris_tube_image

Column Label	Column Physical Name	Column Description
Lineage	siteiristubedataiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Image Scan	iristubeimagescan	The actual image file of the IRIS tube scan.
Rec ID	siteiristubeimageiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: sitemuoverlap

Table Label: Site Mapunit Overlap

Table Logical Name: site_mapunit_overlap

Column Label	Column Physical Name	Column Description
Lineage	siteiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Legend Mapunit	lmapunitiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	smuoviid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: siteobs

Table Label: Site Observation

Table Logical Name: site_observation

Column Label	Column Physical Name	Column Description
Lineage	siteiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Observation Date	obsdate	The date on which this particular soil was described or sampled, expressed as month, day, year—MM/DD/YYYY.
Observation Date Kind	obsdatekind	Indicates whether the date associated with a site observation is the actual date of observation, or something else.
Data Collector	datacollector	The name of the person collecting the measurements or observations.
Associated User Project ID	projectiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Air Photo ID	photoid	Identification (number) of photograph where site is located.
Surface Water Kind	swaterkind	The type (source) of water observed on the soil surface.
Surface Water Depth	swaterdepth	The observed depth of water on the soil surface.
Hydrology Status	hydrologystatus	An indicator of whether or not the natural hydrology of the soil has been significantly modified by human activity.
Microrelief Kind	geomicrorelief	The kind of slight variations in the height of a land surface that are too small or intricate to delineate on a topographic or soils map at commonly used scales (1:24000, and 1:10000).
Microrelief Elevation	geommicellev	The vertical elevation difference of the microrelief.
Ecological State ID	ecostateid	The assigned identifier code of the state within the ecological site on which a site or plot is located.
Ecological State Name	ecostatename	The assigned name of the state within the ecological site on which a site or plot is located.

Column Label	Column Physical Name	Column Description
Community Phase ID	commphaseid	The assigned identifier code of the community phase of the ecological site on which a site or plot is located.
Community Phase Name	commphasename	The assigned name of the community phase of the ecological site on which a site or plot is located.
Plant Association Name	plantassocnm	The name assigned to a particular plant community found at a particular location. A plant association is a kind of plant community represented by a high degree of floristic uniformity in all layers. Plant Associations are identified and named for the dominant plant species in a layer. (Nat. Soil-Range Team, 1988, Instr. for Completing the Stand. Site Descrip.)
Cover Kind 1	earthcovkind1	The primary dominant land cover. Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012
Cover Kind 2	earthcovkind2	The secondary dominant land cover. Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012
Resource Retention Class	resourceretentionclass	A description of the size and connectivity of persistent vascular plant patches and interpatch areas across a plot. The features of each class value reflect the ability of the persistent plant community to retain water, nutrients, soil, and other resources (litter, seeds). These resources have a greater potential to be retained at lower class values.
Bare Area Max Width	bareareamaxwidth	The maximum width of bare areas; a dimension reported with the associated resource retention class.
Pedoderm Class	pedodermclass	A description of the type of material that occurs at the air/soil interface.
Pedoderm Loose Cover Indicator?	pedodermcovind	An indicator of the presence of loose mineral soil material overlying a pedoderm.
Biol. Crust Type Dominant	biolcrusttypedom	The dominant type of biological crust observed.
Biol. Crust Type Secondary	biolcrusttypesecond	The secondary type of biological crust observed.
Phys. Crust Subtype	physcrustsubtype	A subcategory of physical crust pedoderm class denoting the primary mechanism involved in their formation.
Crust Dev Class	crustdevcl	An expression of the strength or degree of development of the crust being described.
Soil Redistribution Class	soilredistributionclass	A description of the extent and severity of soil redistribution processes (erosion and deposition by wind and water) across a plot. Redistribution processes are indicated by multiple features that include, but are not limited to, pedestals, water flow patterns, depositional mounds and carbonate coats or soil lines on rock fragments. The features of each class influence the ability of the soil to support plant communities and other functions. The extent and severity of soil redistribution and its effects on plants are greater at higher class values.
Exposed Soil Percent	exposedsoilpct	The percentage of the soil surface within the plot that is exposed, bare soil (not rock or vegetation covered soil).

Column Label	Column Physical Name	Column Description
Local Disturbance Distance	localdisturbancedistance	The distance from the site or plot to any local disturbance that would influence soil properties (e.g., stock processing enclosure, construction excavation site).
Local Disturbance Description	localdisturbancedescription	A description of the local disturbance identified.
Drained?	drainedflag	An indicator as to whether the land where this site occurs has been drained.
Bedded Soil?	beddingflag	An indicator as to whether the land surface where this site occurs has been bedded for drainage purposes.
Forest Plantation?	plantationflag	An indicator as to whether this site occurs within a forest plantation.
Forest Rotation Stage	forestrotationstage	Identifies the forest rotation stage that a forest plantation is in at the time of observation.
Yield Study ID	yldstudyid	A unique identifier of a particular yield study associated with this site.
Current Weather	currweathcond	The prevailing weather conditions under which the soil was described/sampled.
Current Air Temp	currairtemp	Air temperature reading at the time of describing/sampling the soil in degrees C.
Tidal Period	tidalperiod	The interval in the tidal cycle over a daily time scale at the site at the time of observation.
Bottom Type	bottomtype	The dominant type of material at the soil/water interface in a subaqueous soil setting at the sample location. The bottom type can be utilized in combination with sub-aquatic vegetation type at the subaqueous sample / observation site; e.g., coarse unconsolidated mineral substrate.
Water pH Upper	saswaterphupper	The negative common logarithm, of the hydrogen ion activity in the in the upper 10 cm. of the water column at a subaqueous soil site using field test methods. A numerical expression of the relative acidity or alkalinity of a soil sample.
Water pH Lower	saswaterphlower	The negative common logarithm, of the hydrogen ion activity in the in the bottom 10 cm. of the water column at a subaqueous soil site using field test methods. A numerical expression of the relative acidity or alkalinity of a soil sample.
Water pH Method	phdetermeth	The kind and/or method used to measure pH of the soil or water.
Water Temp Lower	saswatertempower	The temperature of the water within 10 cm. of the soil/water interface in a subaqueous soil setting, reported in degrees C.
Water Temp Upper	saswatertempupper	The temperature of the water within 10 cm. of the water surface in a subaqueous soil setting, reported in degrees C.
Dissolved Oxygen Upper	sasdissolvedoxyupper	The amount of gaseous oxygen (O2) dissolved in an aqueous solution, reported in mg/L, measured in the upper 10 cm. of the water column at a subaqueous soil site.. Dissolved oxygen content is an indication of water quality.

Column Label	Column Physical Name	Column Description
Dissolved Oxygen Lower	sasdissolvedoxylower	The amount of gaseous oxygen (O2) dissolved in an aqueous solution, reported in mg/L, measured in the bottom 10 cm. of the water column at a subaqueous soil site.. Dissolved oxygen content is an indication of water quality.
Water Salinity Upper	saswatersalinityupper	A measure of soluble salts in the upper 10 cm. of the water column in a subaqueous soil setting. The measurement is typically made using hand held meters that measure either electrical conductivity or optical density that convert the value to parts per thousand (ppt). The term halinity is sometimes used to describe ocean derived salts.
Water Salinity Lower	saswatersalinitylower	A measure of soluble salts in the water column within 10 cm. of the soil/water interface in a subaqueous soil setting. The measurement is typically made using hand held meters that measure either electrical conductivity or optical density that convert the value to parts per thousand (ppt). The term halinity is sometimes used to describe ocean derived salts.
Current Season Precip	currentseasonprecip	The amount of precipitation received to date during the current growing season.
Growing Season Rating	growingseasonrating	An indication of the status of the current growing season compared to a normal year at the time of data collection.
Current Year Precip	currentyearprecip	A relative indication of the amount of precipitation received to date for the current year as compared to the long-term average precipitation.
Extra Moisture Source	extramoisturesource	An indicator of the source of extra moisture received at the site, other than natural precipitation.
Kind of Land	landkind	The kind of land where the plot exists.
SAF Cover Type	safcovertype	The forest cover type that exists on the plot as defined by the Society of American Foresters.
STM Version ID	stmversionid	The version identifier of the state and transition model for the ecological site that the indicated state and community phase IDs reference.
Rosgen Stream Type	rosgenstreamtype	The type of stream as determined using the Rosgen stream classification system. Reference: Rosgen, D. (1996). Applied river morphology. Wildlife Hydrology, Pagosa Springs, CO.
Rosgen Stream Subclass	rosgenstreamsubclass	The type of stream as determined using the Rosgen stream classification system. Reference: Rosgen, D. (1996). Applied river morphology. Wildlife Hydrology, Pagosa Springs, CO.
Crop Name	cropname	The common name for the crop.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Rec ID	siteobsiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: siteobsrefecmdoc

Table Label: Site Observation Reference ECM Documents

Table Logical Name: site_observation_ref_ecm_doc

Column Label	Column Physical Name	Column Description
Lineage	siteobsiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
ECM Document Type	ecmdoctype	The type of document that is in ECM. Such as, image (photo of the landscape, the soil profile, etc.), diagram (block diagram, cross-section of site, etc.), spreadsheet of some kind of data taken at the site but doesn't have a place in the NASIS point data and is not part of the KSSL measured data.
ECM Document Name	ecmdocname	The name (title) of the document being entered or retrieved from the Enterprise Content Management System.
ECM Document URL	ecmdockeyurl	Unique key created by ECM when a document is uploaded into ECM. To populate this field in NASIS the user must get the key from ECM. Copy it and then paste into this NASIS field.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	siteobsrefecmdociid	NASIS automatically assigns the record ID when a new row is created and uses this number as part of an internal key to uniquely identify each record in the database. This column always has protected status and can never be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: siteobstext

Table Label: Site Observation Text

Table Logical Name: site_observation_text

Column Label	Column Physical Name	Column Description
Lineage	siteobsiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Date	recdate	The date associated with a particular record, expressed as month, day, year—xx/xx/xxxx.
Author	recauthor	Name of the person who entered, or is responsible for, a particular record.
Kind	siteobstextkind	A text entry is identified by its kind, category, and subcategory. Kind is the highest division of classification. "Correlation notes" and "Nontechnical description" are two kinds of text entries.
Category	textcat	A text entry is identified by its kind, category, and subcategory. Category is a subdivision of kind. "Agr" and "Soi" are two categories for the text kind "Nontechnical Description".
Subcategory	textsubcat	A text entry is identified by its kind, category, and subcategory. Subcategory is a subdivision of category. For text kind "Nontechnical" description and text category "Agr", subcategory would correspond to the SSSD field "desnum".
Text Entry	textentry	The actual narrative text portion of a text entry. The other parts of a text entry are its identifiers: kind, category and subcategory.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	siteobstextiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: siteothvegclass

Table Label: Site Other Vegetative Classification

Table Logical Name: site_other_veg_class

Column Label	Column Physical Name	Column Description
Lineage	siteiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Other Veg Class	ovegcliidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	siteovegcliid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: sitepm

Table Label: Site Parent Material

Table Logical Name: site_parent_material

Column Label	Column Physical Name	Column Description
Lineage	siteiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Vertical Order	pmorder	The sequence in which the parent material occurs, when more than one parent material exists for one soil profile. If only one parent material occurs for a soil, i.e. no lithologic discontinuities, no entry is required.
Top Depth	pmdept	The distance from the top of the soil to the upper boundary of the parent material layer being described.
Bottom Depth	pmdepb	The distance from the top of the soil to the base of the parent material layer being described.
Textural Modifier	pmmodifier	General description of the texture of the parent material. Class limits correspond to those of textural groupings defined in the Soil Survey Manual and family particle-size classes in Soil Taxonomy.
General Modifier	pmgenmod	A user specified term(s) used to further describe the nature of the parent material for a given soil.
Kind	pmkind	A term describing the general physical, chemical and mineralogical composition of the material, mineral or organic, from which the soil develops. Mode of deposition and/or weathering may be implied or implicit.
Origin	pmorigin	The type of bedrock from which the parent material was derived.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	sitepmiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: siterefecmdoc

Table Label: Site Reference ECM Documents

Table Logical Name: site_ref_ecm_doc

Column Label	Column Physical Name	Column Description
Lineage	siteiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
ECM Document Type	ecmdoctype	The type of document that is in ECM. Such as, image (photo of the landscape, the soil profile, etc.), diagram (block diagram, cross-section of site, etc.), spreadsheet of some kind of data taken at the site but doesn't have a place in the NASIS point data and is not part of the KSSL measured data.
ECM Document Name	ecmdocname	The name (title) of the document being entered or retrieved from the Enterprise Content Management System.
ECM Document URL	ecmdockeyurl	Unique key created by ECM when a document is uploaded into ECM. To populate this field in NASIS the user must get the key from ECM. Copy it and then paste into this NASIS field.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	siterefecmdociid	NASIS automatically assigns the record ID when a new row is created and uses this number as part of an internal key to uniquely identify each record in the database. This column always has protected status and can never be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: sitesoilmoist

Table Label: Site Soil Moisture

Table Logical Name: site_soil_moisture

Column Label	Column Physical Name	Column Description
Lineage	siteobsiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Top Depth	soimoistdept	The distance from the top of the soil to the upper boundary of the moisture layer.
Bottom Depth	soimoistdepb	The distance from the top of the soil to the lower boundary of the moisture layer.
Sensor Depth	soilmoistsensordepth	The depth below the soil surface at which the soil moisture sensor is located.
Sensor Kind	soilmoistsensorkind	The kind of soil moisture sensor installed.
Observed Moist Status	obssoimoiststat	The relative moisture state of the soil layer at the time of observation.
Vol Moisture Pct	obssoimoist	The measured amount of water in the soil layer, expressed as a volumetric percentage.
Grav Moist Pct Whole Soil	obsgrsoimoist	The measured amount of water in the soil layer, expressed as a weight percentage.
Moisture Tension	soimoistten	A measurement of the physical attraction between soil particles and the surrounding soil moisture, as determined by field methods.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	sitesmiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: sitesoiltemp

Table Label: Site Soil Temperature

Table Logical Name: site_soil_temperature

Column Label	Column Physical Name	Column Description
Lineage	siteobsiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Depth	soiltempdep	The measured depth from the soil surface to the point at which the soil temperature reading was recorded.
Sensor Kind	soiltempensorkind	The kind of soil temperature sensor installed.
Site Soil Temperature	soiltemp	Soil temperature reading at a specified depth.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	sitestiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: sitesurffrags

Table Label: Site Surface Fragments

Table Logical Name: site_surface_fragments

Column Label	Column Physical Name	Column Description
Lineage	siteobsiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Cover %	sfragcov	Percent of the ground covered by fragments 2 mm or larger (20 mm or larger for wood fragments).
Avg Distance Between Rocks	distrocks	Average distance between surface stones and/or boulders, measured between edges.
Surface Frag Size	sfragsize	Size based on the multiaxial dimensions of the surface fragment.
Kind	sfragkind	The lithology/composition of the surface fragments 2 mm or larger (20 mm or larger for wood fragments).
Shape	sfragshp	A description of the overall shape of the surface fragment.
Roundness	sfraground	An expression of the sharpness of edges and corners of surface fragments.
Hardness	sfraghard	The hardness of the fragment.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	sitesurffragsiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: sitetext

Table Label: Site Text

Table Logical Name: site_text

Column Label	Column Physical Name	Column Description
Lineage	siteiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Date	recdate	The date associated with a particular record, expressed as month, day, year—xx/xx/xxxx.
Author	recauthor	Name of the person who entered, or is responsible for, a particular record.
Kind	sitetextkind	A text entry is identified by its kind, category, and subcategory. Kind is the highest division of classification. "Correlation notes" and "Nontechnical description" are two kinds of text entries.
Category	textcat	A text entry is identified by its kind, category, and subcategory. Category is a subdivision of kind. "Agr" and "Soi" are two categories for the text kind "Nontechnical Description".
Subcategory	textsubcat	A text entry is identified by its kind, category, and subcategory. Subcategory is a subdivision of category. For text kind "Nontechnical" description and text category "Agr", subcategory would correspond to the SSSD field "desnum".
Text Entry	textentry	The actual narrative text portion of a text entry. The other parts of a text entry are its identifiers: kind, category and subcategory.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	sitetextiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: sitetreescounted

Table Label: Site Trees Counted

Table Logical Name: site_trees_counted

Column Label	Column Physical Name	Column Description
Lineage	sitewoodybasalareaiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
DBH	treediameterbreastheight	The diameter of measured tree at breast height, typically 4.5 feet above ground level. In high latitudes and high altitudes where growing conditions limit tree growth to less than one inch per years.
Tree Height	treeheight	The height of a particular tree measured.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	treescountediid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: siteusgsquadrangleoverlap

Table Label: Site USGS Quadrangle Overlap

Table Logical Name: site_usgs_quadrangle_overlap

Column Label	Column Physical Name	Column Description
Lineage	siteiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
USGS Quadrangle	usgsquadrangleiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	siteusgsquadoviid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: sitewoodybasalarea

Table Label: Site Woody Basal Area

Table Logical Name: site_woody_basal_area

Column Label	Column Physical Name	Column Description
Lineage	vegplotiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Basal Area Factor	basalareafactor	The conversion factor used to compute total basal area for the site. The value chosen is dependent upon the tool used in the field.
Basal Area	basalareasubplottotal	Total basal area for the subplot.
Number of Trees In	numeroftreesin	The number of trees counted within the plot for the particular basal area factor.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	sitewoodybasalareaiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: soilmoistmonitordata

Table Label: Soil Moisture Monitor Data

Table Logical Name: soil_moist_monitor_data

Column Label	Column Physical Name	Column Description
Lineage	soilmonitordataiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Sensor ID	sensorid	The identifier number of the particular sensor in a set.
Sensor Depth	soilmoistsensordepth	The depth below the soil surface at which the soil moisture sensor is located.
Sensor Kind	soilmoistsensorkind	The kind of soil moisture sensor installed.
Min Soil Moisture - Vol	soilmoistvoldailymin	The minimum percent soil moisture by volume at the specified depth for the day.
Ave Daily Soil Moisture Vol	soilmoistvoldailyave	The average percent soil moisture by volume at the specified depth for the day.
Daily Vol Soil Moisture Max	soilmoistvoldailymax	The maximum percent soil moisture by volume at the specified depth for the day.
Notes	notes	Notes describing decisions, issues, or other history related to the record.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	soilmoistmonitordataiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: soilmonitordata

Table Label: Soil Monitor Data

Table Logical Name: soil_monitor_data

Column Label	Column Physical Name	Column Description
Lineage	peiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Station ID	stationid	The identifier label of the station or site where the soil moisture and/or temperature monitoring data was collected.
Observation Date	obsdate	The date on which this particular soil was described or sampled, expressed as month, day, year—MM/DD/YYYY.
Daily Precipitation	dailyprecipmeasured	The precipitation received at the site on a particular day, expressed in centimeters.
Min Air Temp	airtempmin	The minimum Air Temperature for the day, from temperature sensor.
Ave Air Temp	airtempave	The Average Air Temperature for the day, from temperature sensor.
Daily Air Temp Max	airtempmax	The maximum Air Temperature for the day, from temperature sensor.
Temp Sensor Height	airtempsensorheight	The height above the ground surface at which the temperature sensor is placed.
Notes	notes	Notes describing decisions, issues, or other history related to the record.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	soilmonitordataiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: soilseries

Table Label: Soil Series

Table Logical Name: soil_series

Column Label	Column Physical Name	Column Description
Soil Series Name	soilseriesname	The name assigned to the soil series.
Soil Taxonomic Classification Last Updated	soiltaxclasslastupdated	The date when the most recent change to the taxonomic classification of a particular soil series was made.
MLRA Office	mlraoffice	An NRCS business unit responsible for oversight of soil survey production activities of a particular soil survey area.
Type Location State	typelocstareaiidref	A reference to the state or territory where the type location of the corresponding soil series is located.
Type Location State Area Type	typelocstareatypeeiidref	A fixed reference to area type "State or Territory", which is used to constrain the choices for a related column in same table.
Status	soilseriesstatus	The status of the particular soil series.
Taxonomic Class	taxclname	A concatenation of the Soil Taxonomy subgroup and family for a soil (long name).
Order	taxorder	The highest level in Soil Taxonomy.
Taxonomic Suborder	taxsuborder	The second level of Soil Taxonomy. The suborder is below the order and above the great group.
Great Group	taxgrtgroup	The third level of Soil Taxonomy. The category is below the suborder and above the subgroup.
Taxonomic Subgroup	taxsubgrp	The fourth level of Soil Taxonomy. The subgroup is below great group and above family.
Particle Size	taxpartsize	Particle-size classes are used as family differentiae. Particle-size refers to grain-size distribution of the whole soil and is not the same as texture. (Soil Taxonomy).
Particle Size Mod	taxpartsizemod	Taxonomic family criteria that is used to indicate the presence of more than two strongly contrasting classes in the particle size control section. (Soil Taxonomy)
Soil Series CEC Activity Class	taxceactcl	Cation exchange activity classes are used as family criteria differentiae. It is the relative cation exchange (CEC) activity level of the soil based on the CEC to clay ratio. (Soil Taxonomy)
Reaction	taxreaction	Indicates the presence or absence of carbonates and the reaction. They are treated together because of their intimate relationship, and are used to indicate family differentiae. (Soil Taxonomy)

Column Label	Column Physical Name	Column Description
Tax Family Temp Class	taxtempcl	The taxonomic family temperature class used to construct the official classification name. It may be null when the taxonomic family temperature class is embedded in the classification name. The actual taxonomic temperature regime is recorded in another place.
HAHT Material Class	taxfamhahatmatcl	Human-altered and human-transported material classes are used as family differentiae. They are intended to provide useful information on the behavior and interpretations for use of soils formed in human-altered or human-transported material (Keys to Soil Taxonomy).
Origin Year	originyear	The year that a particular soil series was first proposed and a corresponding record was entered in the Soil Classification database.
Established Year	establishedyear	The calendar year that a particular soil series was first correlated in a soil survey.
Description Date Initial	descriptiondateinitial	The date that the first version of an Official Series Description was posted to the system for a particular soil series.
Description Date Last Updated	descriptiondateupdated	The date that the most recent version of an Official Series Description was posted to the system for a particular soil series.
Benchmark Soil Flag	benchmarksoilflag	An indicator as to whether this site is on a benchmark soil.
STATSGO?	statsgoflag	An indicator as to whether or not a particular soil series is referenced within the STATSGO dataset.
Soil Series Edit History	soilseriesedithistory	A single text field used to document the edit history of a soil series.
Soil Series NASIS Site	soilseriesdbiidref	The internal ID (integer) of the NASIS Site that currently owns an object. Also known as the "owning NASIS Site ID". This value is assigned by NASIS and can only be changed by using the "Change Owner" function in NASIS.
NASIS Group	grpriidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Object Last Updated	objwupdated	The date and time the corresponding object was last updated.
Object Last Updated By	objuseriidref	The key of the NASIS user who last updated the corresponding object.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.

Column Label	Column Physical Name	Column Description
Rec ID	soilseriesiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: soilseriesmlrasusing

Table Label: Soil Series MLRAs Using

Table Logical Name: soil_series_mlras_using

Column Label	Column Physical Name	Column Description
Lineage	soilseriesiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.
MLRA	mlraareaiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
MLRA Area Type	mlraareatypeiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	soilseriesmlrasusingiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: soilseriesrefecmdoc

Table Label: Soil Series Reference ECM Documents

Table Logical Name: soil_series_ref_ecm_doc

Column Label	Column Physical Name	Column Description
Lineage	soilseriesiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
ECM Document Type	ecmdoctype	The type of document that is in ECM. Such as, image (photo of the landscape, the soil profile, etc.), diagram (block diagram, cross-section of site, etc.), spreadsheet of some kind of data taken at the site but doesn't have a place in the NASIS point data and is not part of the KSSL measured data.
ECM Document Name	ecmdocname	The name (title) of the document being entered or retrieved from the Enterprise Content Management System.
ECM Document URL	ecmdockeyurl	Unique key created by ECM when a document is uploaded into ECM. To populate this field in NASIS the user must get the key from ECM. Copy it and then paste into this NASIS field.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	soilseriesrefecmdociid	NASIS automatically assigns the record ID when a new row is created and uses this number as part of an internal key to uniquely identify each record in the database. This column always has protected status and can never be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: soilseriesstatesusing

Table Label: Soil Series States Using

Table Logical Name: soil_series_states_using

Column Label	Column Physical Name	Column Description
Lineage	soilseriesiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.
State	stateareaiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
State Area Type	stateareatypeiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	soilseriesstatesusingiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: soilseriestaxfamother

Table Label: Soil Series Taxonomic Family Other

Table Logical Name: soil_series_tax_fam_other

Column Label	Column Physical Name	Column Description
Lineage	soilseriesiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Family Other	taxfamother	Soil characteristics other than the defined family characteristics of particle-size classes, mineralogy classes, cation-exchange activity classes, calcareous and reaction classes, and soil temperature classes.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	soilseriestaxfamothiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: soilseriestaxmineralogy

Table Label: Soil Series Taxonomic Mineralogy

Table Logical Name: soil_series_tax_mineralogy

Column Label	Column Physical Name	Column Description
Lineage	soilseriesiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.
Vertical Order	minorder	The vertical sequence in which the different mineralogies occurs, when more than one exists for one soil profile. If only one occurs for a soil, i.e. no lithologic discontinuities, no entry is needed.
Mineralogy	taxminalogy	Mineralogy classes are used as family differentiae. They are based on the approximate mineralogical composition of selected size fractions of the same segment of the soil (control section) that is used for application of particle-size classes. (Soil Taxonomy)
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	soilseriestaxminiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: soiltempmonitordata

Table Label: Soil Temperature Monitor Data

Table Logical Name: soil_temp_monitor_data

Column Label	Column Physical Name	Column Description
Lineage	soilmonitordataiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Sensor ID	sensorid	The identifier number of the particular sensor in a set.
Sensor Depth	soiltempsensordepth	The depth below the soil surface at which the soil temperature sensor is located.
Sensor Kind	soiltempsensorkind	The kind of soil temperature sensor installed.
Min Soil Temp	soiltempdailymin	The minimum soil temperature value at a specified depth for the day.
Ave Daily Soil Temp	soiltempdailyave	The average soil temperature value at a specified depth for the day.
Daily Soil Temp Max	soiltempdailymax	The maximum soil temperature value at a specified depth for the day.
Notes	notes	Notes describing decisions, issues, or other history related to the record.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	soiltempmonitordataiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: subplotplantdetails

Table Label: Subplot Plant Details

Table Logical Name: subplot_plant_details

Column Label	Column Physical Name	Column Description
Lineage	plotplantinventoryiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Subplot Nmbr	subplotnumber	The number assigned to a particular subplot within a vegetation inventory plot from which measurements were recorded.
Subplot Size	subplotsize	The size of the subplot used to inventory a particular species within vegetation inventory plot.
Nmbr of Stems	stemcount	The number of individual plant stems of a particular species found in the subplot being sampled.
Average Stem Diameter	stemdiameteraverage	The average diameter of plant stems of a particular species in the subplot being counted, generally measured near the base of each stem at or above ground level.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	subplotplantdetailsiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: system

Table Label: System

Table Logical Name: system

Column Label	Column Physical Name	Column Description
System Name	sysnm	The descriptive name of a database or information system.
System Version	sysver	The version number or identifier of a database or information system.
Description	sysdesc	A narrative text description of a database or information system.
Creation Date	syscreatedate	No description available.
Notes	notes	Notes describing decisions, issues, or other history related to the record.
SQL Advance Options	sqladvanceoptions	To capture any SQL Server advance database/table options in the NREPO data.
System NASIS Site	sysdbiidref	An integer number that uniquely identifies the database that owns a particular database or information system repository.
NASIS Group	grpIIDref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Object Last Updated	objwIupdated	The date and time the corresponding object was last updated.
Object Last Updated By	objuseriidref	The key of the NASIS user who last updated the corresponding object.
Record When Last Updated	recwIupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	sysiid	An integer number that uniquely identifies a database or information system repository in a particular database.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: systemtable

Table Label: System Table

Table Logical Name: system_table

Column Label	Column Physical Name	Column Description
Lineage	tablecollectiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
System	sysiidref	An integer number that uniquely identifies a database or information system repository in a particular database.
Logical Name	tablognm	No description available.
Table Physical Name	tabphynm	The physical (SQL) name of a database table.
Table Label	tablab	A descriptive business oriented name for a database table.
Help Text	tabhelptext	No description available.
Soil Entity Type	soilententitytype	No description available.
Import Export File Name	importexportfilename	The base part of the file name of a table's associated ASCII pipe delimited import/export file. The complete name of a table's associated import/export file is the base name followed by the characters ".txt". For example, if the base name is "alpha", the name of the associated import/export file is "alpha.txt".
Visible?	tabvisible	For a table, a Boolean value that indicates whether or not the corresponding table should be visible in the NASIS grid editor. A table that is not visible in the NASIS grid editor should not be able to be selected as the target table for a NASIS query. For a column, a Boolean value that indicates whether or not the corresponding column should be visible in either the NASIS grid editor or one the special NASIS editors.
Selectable?	tabselectable	A Boolean value that indicates whether or not records from the corresponding table can potentially be created, read, updated or deleted in NASIS. A table can be selectable but not visible in the NASIS grid editor. Such a table is typically managed by a special editor in NASIS. A table that is not selectable cannot be referenced in a NASIS query.
Editable?	tabeditable	A Boolean value that indicates whether or not the contents of the corresponding table can be changed by a user through either the NASIS grid editor or one of the special NASIS editors.
No Insert?	tabnoinsertordelete	A Boolean value that indicates whether or not end users should be able to insert records into or delete records from the corresponding table. As of NASIS 6.0, this was implemented as "no insert" only, i.e. it does not prevent deletes.
Root Table?	tabroottable	A Boolean value that indicates if the corresponding table is the root table of an object hierarchy.
Temp Table?	tabtemp	Indicates that the table is created as a temporary table.
Aliased?	tabaliased	Indicates that the table is created as an alias.

Column Label	Column Physical Name	Column Description
Static Table?	tabstatic	Indicates that the table's contents are static.
Client Only?	tabclientonly	For the NASIS database, a Boolean value that, when set, indicates that the corresponding table is present only in a NASIS client database.
Server Only?	tabserveronly	For the NASIS database, a Boolean value that, when set, indicates that the corresponding table is present only in the central NASIS server database. For the Staging Server database, a Boolean value that, when set, indicates that the contents of the corresponding table should not be copied from the Staging Server database to a table with the same name in the Soil Data Warehouse database.
Create As View?	tabcreateasview	A Boolean value that indicates whether or not the corresponding "table" is really a view. NASIS code makes no distinction between tables and views, so this attribute is only relevant to the database creation script. Appropriate triggers must be created to allow inserts, updates and deletes on a view.
Staging Alias Required?	tabssaliasreq	Indicates that the corresponding table in the staging database requires an alias.
Staging Counterpart Required?	tabsscounterpartreq	Indicates that a table of the same name and similar structure exists in the staging database.
Pedon PC to NASIS?	tabpedpctonasis	Indicates that the table is included in the import from Pedon PC to NASIS.
Import Pedon Diagnostic Message SQL Statement	ipdiagmsgsqlstmt	A SQL statement used in the construction of an import pedon diagnostic message for the corresponding table in a Pedon database. The statement returns the User ID and Rec ID of the Site, Transect or Site Association associated with the corresponding table in a Pedon database.
DAG Level	daglevel	A table's level in the in the set of directed acyclic graphs that are defined for the corresponding data model. A root table corresponds to level 0.
Table ID	tableid	An integer value that uniquely identifies a table in the NASIS-style metadata.
Description	tabdesc	No description available.
SQL Advance Options	sqladvanceoptions	To capture any SQL Server advance database/table options in the NREPO data.
Pending Action	pendact	No description available.
Pending Status	pendstat	No description available.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	systabiid	An integer number that uniquely identifies a table in a particular database.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: systemtablehist

Table Label: System Table History

Table Logical Name: system_table_history

Column Label	Column Physical Name	Column Description
Lineage	systabiidref	An integer number that uniquely identifies a table in a particular database.
Date	notedate	Date the note was entered into NASIS.
Notes	notes	Notes describing decisions, issues, or other history related to the record.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	tabnoteiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: tablecollection

Table Label: Table Collection

Table Logical Name: table_collection

Column Label	Column Physical Name	Column Description
Lineage	sysiidref	An integer number that uniquely identifies a database or information system repository in a particular database.
Table Collection Name	tablecollectname	The unique name for a table collection (business object). It is often the same as the name of the table collection's root table.
Table Collection Sequence	tablecollectsequence	The sequence in which table collections should be displayed.
Table Collection Insert Sequence	tablecollectinsertsequence	The sequence in which the corresponding table collection should be inserted into the database, relative to other table collections.
Restricted NASIS Site ID	restrictednasissiteiid	The ID of the NASIS site to which creation of new instances of the corresponding table collection is restricted. A NASIS site is an administrative entity by which table collection instance ownership is managed.
Visible When Restricted?	nonrestrictedvisible	A Boolean value that indicates whether or not the corresponding table collection should be visible to users who cannot edit any table in that collection.
Load All?	loadall	A Boolean value that indicates whether or not all data for the root table in the corresponding table collection should be automatically loaded whenever that table is first viewed.
Visible in Grid Editor?	visibleingrideditor	A Boolean value that indicates whether or not the table in in the corresponding table collection can be edited via the general NASIS grid editor. Some table collections have their own specialized edit interface.
Table Collection Replication Type	tablecollectreplication	Indicates whether or not instances of the corresponding NASIS object can be selected for inclusion in a NASIS user's replicate or if the corresponding object should be automatically replicated to all NASIS client databases.
Customization Query	customizationquery	A query that specifies which columns should be displayed, and the default sort order of records in a customizable table collection choice list. Such a query may include columns from related table collections.
Customization Column	customtabcoliidref	The record ID of the column whose values should be stored to indicate which records should be displayed for a customized table collection.
Table Collection ID	tablecollectid	An integer value that uniquely identifies a collection of tables in the NASIS-style metadata. A table can be a member of no more than one collection.
Pending Action	pendact	No description available.

Column Label	Column Physical Name	Column Description
Pending Status	pendstat	No description available.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	tablecollectiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: Table collection data

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: tablecollectionhist

Table Label: Table Collection History

Table Logical Name: table_collection_history

Column Label	Column Physical Name	Column Description
Lineage	tablecollectiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Date	notedate	Date the note was entered into NASIS.
Notes	notes	Notes describing decisions, issues, or other history related to the record.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	tablecollectnoteiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: This table records changes made to a particular Table Collection.

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: tablecolumn

Table Label: Table Column

Table Logical Name: table_column

Column Label	Column Physical Name	Column Description
Lineage	systabiidref	An integer number that uniquely identifies a table in a particular database.
System	sysiidref	An integer number that uniquely identifies a database or information system repository in a particular database.
Default Sequence	coldefseq	No description available.
Attribute	attiidref	An integer number that uniquely identifies an attribute in a particular database.
Column Label	collab	The column label.
Physical Data Type	colphydatatype	Indicates the corresponding column's physical data type.
Column Display Size	coldisplayz	The default display width of a column in spreadsheet view and reports, in characters.
Type of Default Value	defaulttype	The type of data used as the default value for a table column.
Literal Default Value	collitdefval	Column literal default value.
Set Default on Row Change?	colsetonrowchange	Indicates if the corresponding column should be set to its default value when the corresponding record is updated.
Set Default on Object Change?	colsetonobjchange	Indicates if the corresponding column should be set to its default value when the corresponding object is updated.
Aggregation	aggregation	An integer number that uniquely identifies an attribute's ordinality (aggregation). Some attributes are recorded as a single representative value and some attributes are recorded as a high, low and representative value. An attribute's aggregation indicates how many physical columns a logical attribute resolves to.
Not Null?	colnotnulbool	A Boolean value that indicates if the corresponding column allows nulls
Calculable?	colcalc	A Boolean value that indicates if the corresponding column can be calculated.
Visible?	colvisible	For a column, a Boolean value that indicates whether or not the corresponding column should be visible in either the NASIS grid editor or one the special NASIS editors.
Protected Column?	colprotected	A Boolean value that indicates if the corresponding column should be prevented from being changed by end users.

Column Label	Column Physical Name	Column Description
Unique?	colunique	A Boolean value that indicates if the corresponding column should be unique.
Business Column?	colbusinessoriented	Indicates that the column contains soil business related data.
Sort Sequence	colsortseq	No description available.
Sort Ascending	colsorta	No description available.
Sort Type	colsorttyp	No description available.
Alignment	alignment	Describes how the display of data in a grid cell is aligned horizontally.
In Replication Select List?	inreplicationselectlist	A Boolean value that indicates if the corresponding column should be included in the corresponding table's replication selection list.
Include in Pedon PC DM?	colincludepedonpc	Indicates that the column is in the data model for Pedon PC.
FGDC?	fgdc	Indicates whether or not this attribute is considered part of the Federal Geographic Data Committee soil metadata standard.
Set Server Default Type to Identity?	colsrvdeftypeidentity	Indicates that the column should be defined as an identity in the server database.
Spatial Data?	colspatialdata	Indicates that the column contains spatial type data.
SRID	colsrld	The spatial reference ID is a number that identifies the datum and projection for spatial data.
File Content Column	filecontentcolumniidref	The Column ID (MetadataTableColumn.ColumnID) of the column used to store the contents of a file. This is an attribute of the corresponding column. The logical data type of the corresponding column must be "File Reference". A File Reference type column will display a file name in a table editor grid, and will also include buttons labeled Open or Save. Open is used to import the contents of a file into the column identified by this attribute. Save is used to copy the imported file contents to a file whose name is stored in the File Reference column.
Override Field Size	colfieldsizoverride	Use this column to override the attribute field size. This allows the same attribute to have different field lengths, in different tables. This is primarily for varchar and char columns.
Decimal Precision	decimalprecision	This column is only populated when the physical data type is DECIMAL. Otherwise, leave NULL. The decimal precision is used to define the number of digits in a number. For example, 123.1234567 has a precision of 10. Decimal precision is used in combination with decimal scale to define the precision and scale of a column that has a physical data type of DECIMAL.
Decimal Scale	decimalscale	This column is only populated when the physical data type is DECIMAL. Otherwise, leave NULL. The decimal scale is used to define the number of digits to the right of the decimal point in a number. For example, the number 123.45 has a scale of 2. Decimal scale is used in combination with decimal precision to define the precision and scale of a column that has a physical data type of DECIMAL.
Help Text	colhelptext	No description available.

Column Label	Column Physical Name	Column Description
Column ID	columnid	An integer value that uniquely identifies a column in a data model, not just within a table.
Pending Action	pendact	No description available.
Pending Status	pendstat	No description available.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	tabcoliid	An integer number that uniquely identifies a column in a particular database.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: tablecolumnhist

Table Label: Table Column History

Table Logical Name: table_column_history

Column Label	Column Physical Name	Column Description
Lineage	tabcoliidref	An integer number that uniquely identifies a column in a particular database.
Date	notedate	Date the note was entered into NASIS.
Notes	notes	Notes describing decisions, issues, or other history related to the record.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	colnoteiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: techsoilservice

Table Label: Technical Soil Service

Table Logical Name: tech_soil_service

Column Label	Column Physical Name	Column Description
Scheduled Start Date	scheduledstartdate	The date the item is scheduled to be started, reported as mm/yyyy.
Scheduled Completion Date	scheduledcompletiondate	The date the item is scheduled to be completed, reported as mm/yyyy.
Date Started	tssdatestarted	The date the technical soil service was initiated.
Date Completed	tssdatecompleted	The date the technical soil service was completed.
Tech Soil Service Type	tsstiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Hours	tsstimespent	Amount of time devoted to the Technical Soil Services activity (in hours, rounded to the nearest 0.1 hours)
Instances	tssinstances	The number of times the corresponding type of technical soil service was provided. The default is one because if the TSS Type was recorded it logically must have happened at least once. Since the default is 1 this means that it is a required column.
Provider	tssprovideruseridref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Recipient	tssrecipient	The entity or organization to which the technical soil service was provided.
Plans Affected	tssconsplansaffected	The number of conservation plans directly affected by the technical soil service provided.
TSS Program Benefitted	tssprogbenefittediidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Acres Benefitted	tssacresbenefitted	The number of acres directly benefitted by the technical soil service provided.
People Served	tsspeopleserved	The number of people served, or directly benefitted, by the technical soil service provided.

Column Label	Column Physical Name	Column Description
Outcome	tssoutcome	The identified outcome of the technical soil service activity provided.
Impact	tssimpact	The identified impact of the technical soil service activity that was provided.
State FIPS	stateareaiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
State	stateareatypeeiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
County Name	countyareaiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
County	countyareatypeeiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
MLRA Symbol	mlraareaiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
MLRA	mlraareatypeeiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
WGS84 Latitude DD	latstddecimaldegrees	Standardized latitude value in decimal degrees, in geographic coordinate system, WGS84 datum. Values are either auto-populated from GPS, or computed from original latitude coordinates using standard conversion algorithms.
WGS84 Longitude DD	longstddecimaldegrees	Standardized longitude value in decimal degrees, in geographic coordinate system, WGS84 datum. Values are either auto-populated from GPS, or computed from original longitude coordinates using standard conversion algorithms.
Latitude Degrees	latdegrees	Latitude in degrees. (Snyder, J.P., 1982, Map Projections Used by the USGS)
Latitude Minutes	latminutes	Latitude in minutes. (Snyder, J.P., 1982, Map Projections Used by the USGS)
Latitude Seconds	latseconds	Latitude in seconds and decimal seconds. (Snyder, J.P., 1982, Map Projections Used by the USGS)

Column Label	Column Physical Name	Column Description
Latitude Direction	latdir	Latitude position north or south of the equator. (Snyder, J.P., 1982, Map Projections Used by the USGS)
Longitude Degrees	longdegrees	Longitude in degrees. (Snyder, J.P., 1982, Map Projections Used by the USGS)
Longitude Minutes	longminutes	Longitude minutes. (Snyder, J.P., 1982, Map Projections Used by the USGS)
Longitude Seconds	longseconds	Longitude in seconds and decimal seconds. (Snyder, J.P., 1982, Map Projections Used by USGS)
Longitude Direction	longdir	Longitude east or west of Greenwich (the Prime Meridian or origin). (Snyder, J.P., 1982, Map Projections Used by the USGS)
Datum Name	horizdatnm	The identification given to the reference system used for defining the coordinates of points. (Content Standards for Spatial Metadata, FGDC, 3/31/94 draft). This entry applies to both lat/long and UTM coordinates. NO LONGER USED BECAUSE CAN'T DIFFERENTIATE BETWEEN UTM AND DMS.
UTM Zone	utmzone	Zones of the Universal Transverse Mercator projection system bounded by meridians, the longitudes are multiples of 6 degrees. Zones are numbered from 1 to 60 proceeding east from the 180th meridian from Greenwich, England.
UTM Northing	utmnorthing	The distance, in meters, north from the UTM zone origin. For "north", origin is the equator equal zero. For the southern hemisphere it is a false northing with origin, i.e. the equator, equal to 10,000,000 meters.
UTM Easting	utmeasting	The distance, in meters, proceeding east for the UTM zone. The UTM zone central meridian is the origin and is designated a value of 500,000 meters creating a "false" easting.
Tech Soil Service NASIS Site	tssdbiidref	The internal ID (integer) of the NASIS Site that currently owns an object. Also known as the "owning NASIS Site ID". This value is assigned by NASIS and can only be changed by using the "Change Owner" function in NASIS.
NASIS Group	grpiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Object Last Updated	objwupdated	The date and time the corresponding object was last updated.
Object Last Updated By	objuseriidref	The key of the NASIS user who last updated the corresponding object.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.

Column Label	Column Physical Name	Column Description
Rec ID	tssiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: techsoilservicesite

Table Label: Technical Soil Service Site

Table Logical Name: tech_soil_service_site

Column Label	Column Physical Name	Column Description
Lineage	tssiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
User Site ID	siteiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	tsssitiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: techsoilservicetext

Table Label: Tech Soil Service Text

Table Logical Name: tech_soil_service_text

Column Label	Column Physical Name	Column Description
Lineage	tssiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Date	recdate	The date associated with a particular record, expressed as month, day, year—xx/xx/xxxx.
Author	recauthor	Name of the person who entered, or is responsible for, a particular record.
Kind	tsstextkind	A text entry is identified by its kind, category, and subcategory. Kind is the highest division of classification. Text kind provides a grouping of text entries according to their subject matter.
Category	textcat	A text entry is identified by its kind, category, and subcategory. Category is a subdivision of kind. "Agr" and "Soi" are two categories for the text kind "Nontechnical Description".
Subcategory	textsubcat	A text entry is identified by its kind, category, and subcategory. Subcategory is a subdivision of category. For text kind "Nontechnical" description and text category "Agr", subcategory would correspond to the SSSD field "desnum".
Text Entry	textentry	The actual narrative text portion of a text entry. The other parts of a text entry are its identifiers: kind, category and subcategory.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	tsstextiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: techsoilservicetype

Table Label: Technical Soil Service Type

Table Logical Name: tech_soil_service_type

Column Label	Column Physical Name	Column Description
Tech Soil Service Type Name	tsstname	The name of the technical soil service activity.
Description	tsstdescription	A narrative description of the technical soil service activity.
Notes	notes	Notes describing decisions, issues, or other history related to the record.
Obsolete?	obterm	Indicates whether a term is obsolete.
Tech Soil Service Type NASIS Site	tsstdbiidref	The internal ID (integer) of the NASIS Site that currently owns an object. Also known as the "owning NASIS Site ID". This value is assigned by NASIS and can only be changed by using the "Change Owner" function in NASIS.
NASIS Group	grpiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Object Last Updated	objwupdated	The date and time the corresponding object was last updated.
Object Last Updated By	objuseriidref	The key of the NASIS user who last updated the corresponding object.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	tsstiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: techsoilservprogbenefit

Table Label: Technical Soil Service Program Benefitted

Table Logical Name: tech_soil_serv_prog_benefitted

Column Label	Column Physical Name	Column Description
TSS Program Benefitted Symbol	tssprogrambenefittedsym	The acronym of the USDA or NRCS program benefitted by the technical soil service provided.
TSS Program Benefitted Name	tssprogrambenefittednm	The USDA or NRCS program benefitted by the technical soil service provided.
Notes	notes	Notes describing decisions, issues, or other history related to the record.
Obsolete?	obterm	Indicates whether a term is obsolete.
TSS Program Benefitted NASIS Site	tssprogbenefitteddbiidref	The internal ID (integer) of the NASIS Site that currently owns an object. Also known as the "owning NASIS Site ID". This value is assigned by NASIS and can only be changed by using the "Change Owner" function in NASIS.
NASIS Group	grpiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Object Last Updated	objwupdated	The date and time the corresponding object was last updated.
Object Last Updated By	objuseriidref	The key of the NASIS user who last updated the corresponding object.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	tssprogbenefittediid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: totalquadratharvest

Table Label: Total Quadrat Harvest

Table Logical Name: total_quadrat_harvest

Column Label	Column Physical Name	Column Description
Lineage	vegtransectiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Quadrat Nmbr	quadratnumber	The number assigned to a particular quadrat within a plot or transect from which measurements were recorded.
Transect Point Location	transectpointlocation	The point of observation along the transect recorded as a distance from the starting point of the transect. Starting point of transect is zero.
Total Clipped Wt Fresh	quadrattotwtclippedfresh	The total actual fresh (green) clipped weight, in grams, of all vegetation with an individual quadrat.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Rec ID	totalquadratharvestiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: transect

Table Label: Transect

Table Logical Name: transect

Column Label	Column Physical Name	Column Description
User Transect ID	utransectid	An identifier assigned by the user to a particular transect that is intended to aid in the identification of the transect for the user.
Author	tsectauth	Names of the soil scientist(s) that ran the transect.
Kind	tsectkind	The kind of transect (geometrically described). Described as one of the following: Straight, zigzag, or random point. If straight or zigzag then the actual interval since the last observation point is a required entry. This is a required entry for a transect.
Transect Selection Method	tsectselmeth	Describes how the transect location was selected. Described as being one of the following. Randomly selected or selected based on some bias. This is a required entry field for transect data.
Transect Delineation Size	tsectdelinsize	Approximate size of the map unit delineation in which the transect was run.
Transect Direction	tsectdir	Direction of transect as measured in degrees of aspect from the first observation point on the transect. This is a required entry field for transects.
Transect Cert Status	tsectcertstatus	An indicator of the level of review and certification for use that the transect data has received.
Transect NASIS Site	tsectdbiidref	The internal ID (integer) of the NASIS Site that currently owns an object. Also known as the "owning NASIS Site ID". This value is assigned by NASIS and can only be changed by using the "Change Owner" function in NASIS.
NASIS Group	grpriidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Object Last Updated	objwupdated	The date and time the corresponding object was last updated.
Object Last Updated By	objuseriidref	The key of the NASIS user who last updated the corresponding object.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.

Column Label	Column Physical Name	Column Description
Rec ID	tsectiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: transecttestcomposition

Table Label: Transect Estimated Composition

Table Logical Name: transect_est_composition

Column Label	Column Physical Name	Column Description
Lineage	tsectiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Comp Name	compname	Name assigned to a component based on its range of properties.
Local Phase	localphase	Phase criterion to be used to help uniquely identify soil components or pedons. These are terms such as "drained", "eroded", etc.
Comp Pct	compct	The percentage of the component of the mapunit.
Slope Gradient	slope	The difference in elevation between two points, expressed as a percentage of the distance between those points. (SSM)
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	tsectestcompid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: transectgapdetails

Table Label: Transect Gap Details

Table Logical Name: transect_gap_details

Column Label	Column Physical Name	Column Description
Lineage	vegtransectiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Gap Nmbr	gapnumber	A sequential number identifying a particular gap along a transect.
Gap Kind	gapkind	The type of gap being described.
Gap Start Point	gapstartpoint	The distance from the starting point of the transect (cm) where a particular gap begins. Zero measurement is the beginning point of the transect. Must be less than Gap End Point.
Gap End Point	gapendpoint	The distance from the starting point of the transect (cm) where a particular gap ends. Zero measurement is the beginning point of the transect. Must be greater than Gap Start Point.
Gap Length	gaplength	The length of a particular gap along a transect; "gap end point" minus "gap start point".
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	transectgapdetailsiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: transectgroundcover

Table Label: Transect Ground Cover

Table Logical Name: transect_ground_cover

Column Label	Column Physical Name	Column Description
Lineage	vegtransectiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Ground Cover Type	groundcovertype	The type of plant or other material that would first intercept a falling raindrop and prevent it from impacting the soil surface (a vertical or birds eye view of first intercept). If no such material is present, 'bare ground' is recorded.
Nmbr of Points	groundcoverptcount	The number of points along the transect where a particular cover type occurred.
Ground Cvr Pct Points	groundcoverptpct	The percentage of the soil surface being protected from being hit by a raindrop (vertical or birds eye view of first intercept) by a particular cover material type computed from the percentage of individual point observations along a transect covered by that cover material type.
Quadrat Size	quadratsize	The total area of the vegetation quadrat used.
Quadrat Shape	quadratshape	The shape of the quadrat used. Most common shapes are rectangular and circular.
Ground Cover Quadrat Avg Pct	groundcoverquadpctave	The average percentage of the soil surface being protected from being hit by a raindrop (vertical or birds eye view of first intercept) by a particular cover material type computed from individual quadrats along a transect.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	transectgroundcoveriid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: transectgroundcoverdatalegacy

Table Label: Transect Ground Cover Data - Legacy

Table Logical Name: transect_gr_cov_data_legacy

Column Label	Column Physical Name	Column Description
Lineage	vegtransectiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Quadrat Nmbr	quadratnumber	The number assigned to a particular quadrat within a plot or transect from which measurements were recorded.
Bare Ground Pct	quadratbaregrpct	The percent of bare soil surface within a quadrat.
Quadrat Canopy Cover Pct	quadratcancovpct	The percent of the soil surface within a quadrat covered by plant canopy up to 4.5 feet above the ground.
Rock Frag Cover Pct	quadratrockfragcovpct	The percent of the soil surface within a quadrat that is covered by rock fragments > 2mm in size.
Mulch Weight	quadratmulchwt	The weight of mulch material collected from an individual quadrat.
Record When Last Updated	recwlupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	transgrcovlegacydataiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: transectgroundsurfcover

Table Label: Transect Ground Surface Cover

Table Logical Name: transect_ground_surface_cover

Column Label	Column Physical Name	Column Description
Lineage	vegtransectiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Ground Surface Cover Type	groundsurfcovtype	The type of plant or other material that is in contact with and protecting the actual soil surface.
Nmbr of Points	groundcoverptcount	The number of points along the transect where a particular cover type occurred.
Ground Cover Pct Points	groundcoverptpct	The percentage of the soil surface being protected from being hit by a raindrop (vertical or birds eye view of first intercept) by a particular cover material type computed from the percentage of individual point observations along a transect covered by that cover material type.
Quadrat Size	quadratsize	The total area of the vegetation quadrat used.
Quadrat Shape	quadratshape	The shape of the quadrat used. Most common shapes are rectangular and circular.
Ground Cover Pct Points Quadrats	groundcoverquadpctave	The average percentage of the soil surface being protected from being hit by a raindrop (vertical or birds eye view of first intercept) by a particular cover material type computed from individual quadrats along a transect.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	transectgroundsurfcoveriid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: transectoverstorycanopycover

Table Label: Transect Overstory Canopy Cover

Table Logical Name: transect_overstory_canopy_cov

Column Label	Column Physical Name	Column Description
Lineage	vegtransectiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Transect Point Location	transectpointlocation	The point of observation along the transect recorded as a distance from the starting point of the transect. Starting point of transect is zero.
Overstory Canopy Present?	overstorycanopypresent	A yes/no indicator of whether or not overstory canopy is present at the sample location.
Nmbr of Densiometer Quadrants Covered	densiometerquadscovered	The number of quadrants or points of the densiometer covered by canopy at the sample location.
Overstory Canopy Cover Pct	overstorycancovpctpoint	The percent canopy cover of the overstory stratum at a point along the transect.
Overstory Canopy Cov Class	overstorycancovclpoint	The percent canopy cover of the overstory stratum at a point along the transect, expressed as a class.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	transoverstorycancoviid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

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

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: transectrefecmdoc

Table Label: Transect Reference ECM Documents

Table Logical Name: transect_ref_ecm_doc

Column Label	Column Physical Name	Column Description
Lineage	tsectiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
ECM Document Type	ecmdoctype	The type of document that is in ECM. Such as, image (photo of the landscape, the soil profile, etc.), diagram (block diagram, cross-section of site, etc.), spreadsheet of some kind of data taken at the site but doesn't have a place in the NASIS point data and is not part of the KSSL measured data.
ECM Document Name	ecmdocname	The name (title) of the document being entered or retrieved from the Enterprise Content Management System.
ECM Document URL	ecmdockeyurl	Unique key created by ECM when a document is uploaded into ECM. To populate this field in NASIS the user must get the key from ECM. Copy it and then paste into this NASIS field.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	transectrefecmdociid	NASIS automatically assigns the record ID when a new row is created and uses this number as part of an internal key to uniquely identify each record in the database. This column always has protected status and can never be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: transectsamplingprotocolused

Table Label: Transect Sampling Protocol Used

Table Logical Name: transect_samp_protocol_used

Column Label	Column Physical Name	Column Description
Lineage	vegtransectiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Protocol Name	transsampprotocolname	The name of the sampling protocol used in the vegetation inventory on the transect.
Transect Data Collector	datacollector	The name of the person collecting the measurements or observations.
Data Collector	datarecorder	The name of the person that recorded the data.
Sampling Intensity	samplingintensity	The intensity of the sampling done with a particular sampling protocol.
Record When Last Updated	recwlupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	transsampprotocolusediid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: transectstandingbiomassdetails

Table Label: Transect Standing Biomass Details

Table Logical Name: transect_stand_biomass_details

Column Label	Column Physical Name	Column Description
Lineage	vegtransectiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Quadrat Nmbr	quadratnumber	The number assigned to a particular quadrat within a plot or transect from which measurements were recorded.
Transect Point Location	transectpointlocation	The point of observation along the transect recorded as a distance from the starting point of the transect. Starting point of transect is zero.
Quadrat Size	quadratsize	The total area of the vegetation quadrat used.
Quadrat Shape	quadratshape	The shape of the quadrat used. Most common shapes are rectangular and circular.
Herbaceous Biomass Wt Green	herbbiomasswtgreen	The weight, in grams, of standing herbaceous biomass (attached to rooted plants) for the quadrat measured at the moisture content at the time of sampling (green).
Herbaceous Biomass Wt Air Dry	herbbiomasswtairdry	The weight, in grams, of standing herbaceous biomass (attached to rooted plants) for the quadrat measured after the sample has been air-dried.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	transstandbiomassdetailiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: This table contains data pertaining to standing biomass measurements collected from individual quadrats along a vegetation transect.

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: transecttext

Table Label: Transect Text

Table Logical Name: transect_text

Column Label	Column Physical Name	Column Description
Lineage	tsectiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Date	recdate	The date associated with a particular record, expressed as month, day, year—xx/xx/xxxx.
Author	recauthor	Name of the person who entered, or is responsible for, a particular record.
Kind	transecttextkind	A text entry is identified by its kind, category, and subcategory. Kind is the highest division of classification. "Correlation notes" and "Nontechnical description" are two kinds of text entries.
Category	textcat	A text entry is identified by its kind, category, and subcategory. Category is a subdivision of kind. "Agr" and "Soi" are two categories for the text kind "Nontechnical Description".
Subcategory	textsubcat	A text entry is identified by its kind, category, and subcategory. Subcategory is a subdivision of category. For text kind "Nontechnical" description and text category "Agr", subcategory would correspond to the SSSD field "desnum".
Text Entry	textentry	The actual narrative text portion of a text entry. The other parts of a text entry are its identifiers: kind, category and subcategory.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	transecttextiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: tssrefecmdoc

Table Label: TSS Reference ECM Documents

Table Logical Name: tss_ref_ecm_doc

Column Label	Column Physical Name	Column Description
Lineage	tssiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
ECM Document Type	ecmdoctype	The type of document that is in ECM. Such as, image (photo of the landscape, the soil profile, etc.), diagram (block diagram, cross-section of site, etc.), spreadsheet of some kind of data taken at the site but doesn't have a place in the NASIS point data and is not part of the KSSL measured data.
ECM Document Name	ecmdocname	The name (title) of the document being entered or retrieved from the Enterprise Content Management System.
ECM Document URL	ecmdockeyurl	Unique key created by ECM when a document is uploaded into ECM. To populate this field in NASIS the user must get the key from ECM. Copy it and then paste into this NASIS field.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	tssrefecmdociid	NASIS automatically assigns the record ID when a new row is created and uses this number as part of an internal key to uniquely identify each record in the database. This column always has protected status and can never be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: uom

Table Label: Unit of Measure

Table Logical Name: unit_of_measure

Column Label	Column Physical Name	Column Description
Symbol	uomsym	No description available.
Units	uomunits	The actual unit of measure.
SI UOM?	uomsibool	No description available.
Application	uomapp	No description available.
Notes	notes	Notes describing decisions, issues, or other history related to the record.
Obsolete?	obterm	Indicates whether a term is obsolete.
Unit of Measure Id	uomid	An integer value that uniquely identifies a unit of measure in a data model, not just within a table.
Unit Measure NASIS Site	uomdbiidref	An integer number that uniquely identifies the database that owns a particular unit of measure.
NASIS Group	grpriidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Object Last Updated By	objuseriidref	The key of the NASIS user who last updated the corresponding object.
Object Last Updated	objwupdated	The date and time the corresponding object was last updated.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	uomiid	An integer number that uniquely identifies a unit of measure in a particular database.

Table Description: This table records the various units of measure in which values of attributes in a particular database are recorded.

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: usfsecllevel

Table Label: USFS Ecological Classification Level

Table Logical Name: usfs_eco_class_level

Column Label	Column Physical Name	Column Description
Lineage	usfsectiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
USFS Ecological Classification Level Rank	usfseclrank	USFS ecological classification level rank. NRT_CLASS_LEVEL_TYPES.RANK
USFS Ecological Classification Level Code	usfseclcode	The identifying code of a particular USFS ecological classification level. NRT_CLASS_LEVEL_TYPES.TYPE_CODE
USFS Ecological Classification Level Name	usfseclname	The name of a particular USFS Ecological classification level. NRT_CLASS_LEVEL_TYPES.DESCRPTION
USFS Ecological Classification Level ID	usfseclid	Primary key of the USFS counterpart of this table. NRT_CLASS_LEVEL_TYPES.GENTYP_CN
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	usfsecliid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: usfsecoclass

Table Label: USFS Ecological Classification

Table Logical Name: usfs_eco_class

Column Label	Column Physical Name	Column Description
Lineage	usfsecliidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
USFS Ecological Classification Set Name	usfsecsetname	The name of a particular USFS ecological classification set. NRT_CLASSIFICATIONS.CLASS_SET_NAME
USFS Ecological Classification Short Name	usfsecshortname	The short name of a particular USFS ecological classification. NRT_CLASSIFICATIONS.CLASS_SHORT_NAME
USFS Ecological Classification Name	usfsecname	The name of a particular USFS ecological classification. NRT_CLASSIFICATIONS.CLASS_NAME
USFS Ecological Classification Code	usfseccode	The identifying code of a particular USFS ecological classification. NRT_CLASSIFICATIONS.CLASS_CODE
Obsolete?	obterm	Indicates whether a term is obsolete.
USFS Ecological Classification ID	usfsecid	Primary key of the USFS counterpart of this table. NRT_CLASSIFICATIONS.ECOCLS_CN
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	usfseciid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: usfssectype

Table Label: USFS Ecological Classification Type

Table Logical Name: usfs_eco_class_type

Column Label	Column Physical Name	Column Description
USFS Ecological Classification Type Code	usfssectcode	The identifying code of a particular USFS ecological classification type. NRT_CLASSIFICATION_TYPES.TYPE_CODE
USFS Ecological Classification Type Name	usfssectname	The name of a particular USFS ecological classification type. NRT_CLASSIFICATION_TYPES.DESCRPTION
USFS Ecological Classification Type ID	usfssectid	Primary key of the USFS counterpart of this table. NRT_CLASSIFICATION_TYPES.GENTYP_CN
USFS Ecological Classification Type NASIS Site	usfssectbiidref	The internal ID (integer) of the NASIS Site that currently owns an object. Also known as the "owning NASIS Site ID". This value is assigned by NASIS and can only be changed by using the "Change Owner" function in NASIS.
NASIS Group	grpbiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Object Last Updated	objwupdated	The date and time the corresponding object was last updated.
Object Last Updated By	objuseriidref	The key of the NASIS user who last updated the corresponding object.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	usfssectiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: usfsicat

Table Label: USFS Interpretation Category

Table Logical Name: usfs_interp_category

Column Label	Column Physical Name	Column Description
USFS Interpretation Category Code	usfsicatcode	The identifying code of a particular USFS interpretation category. NRT_INTERP_TYPE_CATEGORIES.TYPE_CODE
USFS Interpretation Category Name	usfsicatname	The name of a particular USFS interpretation category. NRT_INTERP_TYPE_CATEGORIES.DESCRPTION
USFS Interpretation Category ID	usfsicatid	Primary key of the USFS counterpart of this table. NRT_INTERP_TYPE_CATEGORIES.GENTYP_CN
USFS Interpretation Category NASIS Site	usfsicatdbiidref	The internal ID (integer) of the NASIS Site that currently owns an object. Also known as the "owning NASIS Site ID". This value is assigned by NASIS and can only be changed by using the "Change Owner" function in NASIS.
NASIS Group	grpdiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Object Last Updated	objwupdated	The date and time the corresponding object was last updated.
Object Last Updated By	objuseriidref	The key of the NASIS user who last updated the corresponding object.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	usfsicatiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: usfsinterp

Table Label: USFS Interpretation

Table Logical Name: usfs_interp

Column Label	Column Physical Name	Column Description
Lineage	usfsicatiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
USFS Interpretation Code	usfsinterpcode	The identifying code of a particular USFS interpretation. NRT_INTERP_TYPES.TYPE_CODE
USFS Interpretation Name	usfsinterpname	The name of a particular USFS interpretation. NRT_INTERP_TYPES.DESCRPTION
USFS Interpretation Rating Class Set ID	usfsirclssetid	Primary key of the USFS interpretation rating class set associated with this USFS interpretation. NRT_INTERP_SET.GENTYP_CN
USFS Interpretation ID	usfsinterpuid	Primary key of the USFS counterpart of this table. NRT_INTERP_TYPES.GENTYP_CN
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	usfsinterpuid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: usfsirclass

Table Label: USFS Interpretation Rating Class

Table Logical Name: usfs_interp_rating_class

Column Label	Column Physical Name	Column Description
Lineage	usfsinterpiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
USFS Interpretation Rating Class Code	usfsirclscode	The identifying code of a particular USFS interpretation rating class. NRT_INTERP_RATINGS.INTERP_RATING
USFS Interpretation Rating Class Name	usfsirclsname	The name of a particular USFS interpretation rating class. NRT_INTERP_RATINGS.RATING_MEANING
USFS Interpretation Rating Class Rank	usfsirclsrank	The rank of a USFS interpretation rating class. USFS interpretation rating classes, when ranked, are sequenced from least restrictive to most restrictive. NRT_INTERP_RATINGS.INTERP_RATING_RANK
Obsolete?	obterm	Indicates whether a term is obsolete.
USFS Interpretation Rating Class ID	usfsirclsid	Primary key of the USFS counterpart of this table. NRT_INTERP_RATINGS.GENTYP_CN
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	usfsirclassiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: usfsirestrict

Table Label: USFS Interpretation Restriction

Table Logical Name: usfs_interp_restriction

Column Label	Column Physical Name	Column Description
USFS Interpretation Restriction Code	usfsistrctcode	The identifying code of a particular USFS interpretation restriction. NRT_INTERP_RESTRICTIONS.TYPE_CODE
USFS Interpretation Restriction Name	usfsistrctname	The name of a particular USFS interpretation restriction. NRT_INTERP_RESTRICTIONS.DESCRPTION
Obsolete?	obterm	Indicates whether a term is obsolete.
USFS Interpretation Restriction ID	usfsistrctid	Primary key of the USFS counterpart of this table. NRT_INTERP_RESTRICTIONS.GENTYP_CN
USFS Interpretation Restriction NASIS Site	usfsistrctdbiidref	The internal ID (integer) of the NASIS Site that currently owns an object. Also known as the "owning NASIS Site ID". This value is assigned by NASIS and can only be changed by using the "Change Owner" function in NASIS.
NASIS Group	grpiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Object Last Updated	objwupdated	The date and time the corresponding object was last updated.
Object Last Updated By	objuseriidref	The key of the NASIS user who last updated the corresponding object.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	usfsistrctiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: usgsquadrangle

Table Label: USGS Quadrangle

Table Logical Name: usgs_quadrangle

Column Label	Column Physical Name	Column Description
Lineage	usgsquadrangletypeiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.
USGS Quadrangle Symbol	usgsquadranglesymbol	The official name assigned to a particular USGS Quadrangle.
USGS Quadrangle Name	usgsquadranglename	The official name assigned to a particular USGS Quadrangle.
Obsolete?	obterm	Indicates whether a term is obsolete.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	usgsquadrangleiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: usgsquadrangletype

Table Label: USGS Quadrangle Type

Table Logical Name: usgs_quadrangle_type

Column Label	Column Physical Name	Column Description
USGS Quadrangle Type Name	usgsquadrangletypename	The name of a USGS Quadrangle series - e.g. 7.5-Minute.
USGS Quadrangle Type NASIS Site	uqtdbiidref	The internal ID (integer) of the NASIS Site that currently owns an object. Also known as the "owning NASIS Site ID". This value is assigned by NASIS and can only be changed by using the "Change Owner" function in NASIS.
NASIS Group	grpiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Object Last Updated	objwupdated	The date and time the corresponding object was last updated.
Object Last Updated By	objuseriidref	The key of the NASIS user who last updated the corresponding object.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	usgsquadrangletypeiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: This table records the types of USGS Topographic Quadrangles - 7.5 minute and 15 minute.

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: vegplot

Table Label: Vegetation Plot

Table Logical Name: vegetation_plot

Column Label	Column Physical Name	Column Description
Site/Site Obs	siteobsiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Vegetation Plot ID	vegplotid	An alpha-numeric code that uniquely identifies a single occurrence of a particular vegetation plot.
Vegetation Plot Name	vegplotname	A descriptive name that, in conjunction with the vegetation plot ID, helps identify the vegetation plot.
Primary Data Collector	primarydatacollector	The name of the primary person responsible for collecting the data on a vegetation plot.
Data Collection Purpose	datacollectionpurpose	A short text narrative that can be used to describe a particular purpose for the collection of data from a particular vegetation plot. This field is expected to be used infrequently.
Data Origin	vegdataorigin	The origin of the vegetation data, whether entered or imported directly into this database, or transcribed/converted from another vegetation database.
Soil Profile?	soilprofileindicator	A yes/no indicator as to whether or not a detailed soil profile description was collected from this plot.
Assoc	assocuserpedonid	The value recorded in the User Pedon ID column of the Pedon table for the pedon description collected from a vegetation plot.
Legacy Soil 232 ID	soil232idlegacy	The identification number assigned to the Soil-232 form used to record soil profile data for the plot as recorded in legacy vegetation inventory data.
A Horizon Depth	ahorizondepth	The depth to the bottom of the A horizon of the soil identified within the plot.
Alkaline/Saline Indicator	alkalinesalineindicator	An indicator as to whether the soil is alkaline, saline, or neither, within the upper 18 inches of the soil profile.
Alkaline Affected?	alkalineaffected	A yes/no indicator as to whether alkalinity has effected the windbreak species.
Salinity Class	salinityclass	A class indicating the degree of salinity within the upper 18 inches of the soil profile.
Legacy Restrictive Layer Depth	restrictivelayerdepthlegacy	The depth in centimeters to the top of a root restrictive layer as recorded in legacy data.

Column Label	Column Physical Name	Column Description
Legacy Soil Name	legacysoilcompname	The name of the correlated soil component as recorded in legacy data.
Legacy Soil Phase	legacysoilphase	The soil phase name that the plot occurs on as recorded in legacy data.
Legacy Local Soil Phase	legacylocalsoilphase	The phase of the correlated soil component as recorded in legacy data as recorded in legacy data.
Legacy Surface Texture	legacysoilsurftext	The texture classification of the soil surface layer as recorded in legacy data.
Legacy Texture Modifier	legacysurftextmod	The modifier classification of the soil surface texture as recorded in legacy data.
Legacy Term In Lieu of Texture	legacyterminlieu	Substitute terms applied to materials that do not fit into a textural class because of organic matter content, size, rupture resistance, solubility, or another reason as recorded in legacy data.
Legacy Erosion Class	erosionclasslegacy	A class indicating the degree of past erosion as recorded in legacy vegetation inventory data.
Legacy Landform Group	landformgrouplegacy	The name of the landform(s) that the plot occurs on as was recorded in legacy vegetation inventory data.
Legacy Cryptogam Cover Class	cryptogamcovcllegacy	The extent of the ground surface covered by cryptogams as reported in legacy data, expressed as a class.
Rangeland Use History	rangelandusehistory	An indication of the degree of rangeland use of the area where a plot exists.
Canopy Cover Pct Ave	cancovpctplotave	The average percent canopy cover of all vegetation transects collected from a given vegetation plot.
Total Canopy Cover Pct	cancovtotalpct	The estimated percent of the ground that is shaded by vegetation canopy at midday.
Total Canopy Cover Class	cancovtotalclass	The estimated percent of the ground that is shaded by vegetation canopy at midday, expressed as a class.
Total Overstory Canopy Cover Pct	overstorycancontotalpct	The canopy cover percent of all species in the overstory stratum.
Total Overstory Canopy Cover Class	overstorycancovtotalclass	The canopy cover percent of all species in the overstory stratum, expressed as a class.

Column Label	Column Physical Name	Column Description
Dbl Sampling Ave Annual Prod	dblsampannualprodave	The average total annual production of all vegetation transects collected from a given vegetation plot as measured by the Double Sampling protocol.
Comparative Yield Ave Prod	compyieldproductionave	The average total annual production of all vegetation transects collected from a given vegetation plot as measured by the Comparative Yield protocol.
Total Above Ground Biomass Ave	abovegroundbiomasstotave	The average total above ground biomass of all vegetation transects within a given vegetation plot.
Understory Reprod Abundance	understoryreprodabundance	A class indicating the abundance of plant reproduction in the understory.
Woody Understory Abundance	woodyunderstoryabundance	A class indicating the abundance of woody plants in the understory.
Herbaceous Understory Abundance	herbundertoryabundance	A class indicating the abundance of herbaceous plants in the understory.
Lichens Understory Abundance	lichensunderstoryabundance	A class indicating the abundance of lichens or mosses in the understory.
Crown Can Closure Pct	crowncanclosurepct	The percent of crown closure of the overstory species.
Crown Can Closure Assess Method	crowncancloseassessmethod	The method used to obtain the crown canopy closure percentage.
LPP Crown Competition Factor	crowncompfactorlpp	An index number indicating the crown competition factor for lodgepole pine.
LPP Crown Competition Ave DBH	crowncomplppavedbh	The average diameter at breast height (DBH), typically 4.5 feet above ground level, of the lodgepole pine stand being evaluated. This value is used in computing the crown competition factor.
Basal Cover Pct Ave	basalcoverpctave	The average percent basal cover of all vegetation transects collected from a given vegetation plot.
Total BA	basalareaplottotal	Total basal area for the plot.
BA Assess Method	basalareaassessmethod	The method used to determine basal area.

Column Label	Column Physical Name	Column Description
Cons Tree Shrub Grp	constreeshrubgrp	The identifier for a particular Conservation Tree Shrub Group (CTSG) which that is associated with a soil map unit component or vegetation inventory plot. A CTSG is a physiographic unit or area having similar climatic and edaphic characteristics that control the selection and height of growth of trees and shrubs (National Forestry Manual).
Windbreak Row 1 Direction	windbreakrowonedirection	The direction that row 1 of the windbreak faces. Row 1 is defined as the row on the west or north side of the windbreak, depending on windbreak orientation.
Windbreak Trapped Soil Depth	windbreaktrappedsoildepth	The depth of soil material trapped by the windbreak.
Windbreak Trapped Soil Texture	windbreaktrappedsoiltexture	The texture class of soil material trapped by the windbreak.
Understory Description?	understorydescindicator	A yes/no indicator of whether or not a detailed understory vegetation description is available for the plot.
Mensuration Data?	mensurationdataindicator	A yes/no indicator as to whether or not detailed mensuration data is available for a plot.
Legacy Vigor Class	vigorclasslegacy	A rating of the relative robustness of the plant community of a vegetation inventory plot. It is reflected primarily by the size and condition the of plants and their parts in relation to their age and the environment in which they are growing.
Legacy Site Condition	siteconditionlegacy	The percent of the existing plant community on a plot that is historic climax plant community as recorded in legacy vegetation inventory data.
Legacy Overstory Species	overstoryspecieslegacy	A listing of one or more plant species that make up the overstory plant community for the plot as recorded in legacy vegetation inventory data.
Plant Moisture State	plantmoiststate	The moisture state of plant material at which plant weights were recorded for a plot.
Current Tree Density	currenttreedensity	The number of trees per acre found on the plot at the time of inventory.
Current Tree Spacing	currenttreespacing	The average distance between individual trees within the plot at the time of inventory, expressed in feet.
Current D+x Spacing	currentdxspacing	A variable (e.g. 'D+10') used to determine the current tree density of the site; where "D" is the average tree diameter (DBH in whole inches) of trees on the site, and "x" is the current average tree spacing of trees within the plot. The 'D+x' value is expressed in whole feet.
Current Plot Avg DBH	currentplotavedbh	The average diameter at breast height (DBH) of trees within the plot at the time of inventory, expressed in inches.
Basal Area Factor	plotbasalareafactor	The conversion factor used to compute total basal area for the plot without regard to individual species. The value chosen is dependent upon the tool used in the field.

Column Label	Column Physical Name	Column Description
Current Basal Area	currentbasalarea	Total basal area of the plot at the time of inventory.
Forest Stand Type	foreststandtype	A description of the structure of the forest stand with regards to the main stand, secondary stand, and understory strata.
Strata Inventoried	foreststratainventoried	The strata of the forest stand that is being inventoried.
Stand Regeneration	foreststandregen	The regeneration of the forest stand that is being inventoried.
Stand Quality	foreststandquality	A rating of the overall quality of the forest stand being evaluated.
Desired Tree Density	desiredtreedensity	The desired number of trees per acre that is the target for management of the site.
Desired D+x Spacing	desireddxspacing	A variable (e.g. 'D+10') used to determine the desired tree density of the site; where "D" is the average tree diameter (DBH in whole inches) of trees on the site, and "x" is a constant that varies due to region of the country and the species of the site, and ranges from -5 to +15. The 'D+x' value is expressed in whole feet.
Desired Basal Area	desiredbasalarea	The target or desired total basal area for the plot.
Excess Basal Area	excessbasalarea	The amount of change in basal area needed to reach the 'desired' level. Negative values indicate the 'current' level is below the 'desired' level.
Excess Tree Density	excesstreedensity	The difference between the current and desired density of trees on the site. Positive values are the number of trees needing to be thinned from the stand. Negative numbers indicate that the 'current' density is less than the 'desired' density and there is room for additional trees to be planted.
Stocking Change Pct	stockingchange_pct	The percentage change needed in tree density for the plot to reach the 'desired' tree density.
Tree Pct Good Condition	treepctgoodcondition	The percentage of trees inventoried within a plot that are rated in good condition.
Tree Pct Fair Condition	treepctfaircondition	The percentage of trees inventoried within a plot that are rated in fair condition.
Tree Pct Poor Condition	treepctpoorcondition	The percentage of trees inventoried within a plot that are rated in poor condition.
Nmbr of Trees Counted	treecounttotal	The number of individual trees of all plant species counted within the plot.
Hard Tree Snag Density	treesnagdensityhard	The number of hard tree snags per acre. Hard tree snags are dead, standing tree trunks that are > 4" in diameter at 4.5 feet above the ground, and > 6 feet in height; have no evidence of decay; and with bark largely intact.

Column Label	Column Physical Name	Column Description
Soft Tree Snag Density	treesnagdensitysoft	The number of soft tree snags per acre. Soft tree snags are dead, standing tree trunks that are > 4" in diameter at 4.5 feet above the ground, and > 6 feet in height; have no evidence of decay; and with bark that has partially or totally sloughed off.
RHI Annual Production	rhiannualprod	Rangeland health indicator - the degree of departure from the ESD with regard to annual production. Reference - NRI Grazing Land On-Site Data Collection instructions, dated 4/10/2012.
RHI Bare Ground	rhibareground	Rangeland health indicator - the degree of departure from the ESD with regards to amount and pattern of bare ground. Reference - NRI Grazing Land On-Site Data Collection instructions, dated 4/10/2012.
RHI Compaction Layer	rhicompactionlayer	Rangeland health indicator - the degree of departure from the ESD with regards to presence of compacted layers below the soil surface. Reference - NRI Grazing Land On-Site Data Collection instructions, dated 4/10/2012.
RHI Func Stuct Groups	rhifuncstructgroups	Rangeland health indicator - the degree of departure from the ESD with regards to presence and diversity of functional or structural groups. Reference - NRI Grazing Land On-Site Data Collection instructions, dated 4/10/2012.
RHI Erosion Resistance	rhierosionresistance	Rangeland health indicator - the degree of departure from the ESD with regards to the resistance of the soil surface to erosion. Reference - NRI Grazing Land On-Site Data Collection instructions, dated 4/10/2012.
RHI Gullies	rhigullies	Rangeland health indicator - the degree of departure from the ESD with regard to the presence of gullies. Reference - NRI Grazing Land On-Site Data Collection instructions, dated 4/10/2012.
RHI Rills	rhirills	Rangeland health indicator - the degree of departure from the ESD with regards to the presence of rills. Reference - NRI Grazing Land On-Site Data Collection instructions, dated 4/10/2012.
RHI Pedestals or Terracettes	rhipedastalterracettes	Rangeland health indicator - the degree of departure from the ESD with regards to the presence of pedestalling and terracettes. Reference - NRI Grazing Land On-Site Data Collection instructions, dated 4/10/2012.
RHI Infiltration and Runoff	rhiinfilrunoff	Rangeland health indicator - the degree of departure from the ESD with regards to infiltration and runoff. Reference - NRI Grazing Land On-Site Data Collection instructions, dated 4/10/2012.
RHI Litter Amount	rhilitteramount	Rangeland health indicator - the degree of departure from the ESD with regards to the amount of litter present. Reference - NRI Grazing Land On-Site Data Collection instructions, dated 4/10/2012.
RHI Litter Movement	rhilittermovement	Rangeland health indicator - the degree of departure from the ESD with regards to litter movement by wind or water. Reference - NRI Grazing Land On-Site Data Collection instructions, dated 4/10/2012.
RHI Plant Mortality	rhiplantmortality	Range health indicator - the degree of departure from the ESD with regards to plant mortality and/or decadence. Reference - NRI Grazing Land On-Site Data Collection instructions, dated 4/10/2012.
RHI Reproductive Capability	rhireprodcapability	Rangeland health indicator - the degree of departure from the ESD with regards to the site capability to produce perennial plant seeds and/or tillers. Reference - NRI Grazing Land On-Site Data Collection instructions, dated 4/10/2012.
RHI Invasive Plants	rhiinvasiveplants	Rangeland health indicator - the degree of departure from the ESD with regards to the presence of invasive species. Reference - NRI Grazing Land On-Site Data Collection instructions, dated 4/10/2012.
RHI Soil Surface	rhisoilsurfdegradation	Rangeland health indicator - the degree of departure from the ESD with regards to the loss or degradation of the soil surface horizon. Reference - NRI Grazing Land On-Site Data Collection instructions, dated 4/10/2012.

Column Label	Column Physical Name	Column Description
Degradation		
RHI Water Flow Patterns	rhiwaterflowpatterns	Rangeland health indicator - the degree of departure from the ESD with regards to water flow patterns and erosion. Reference - NRI Grazing Land On-Site Data Collection instructions, dated 4/10/2012.
RHI Wind Scour Areas	rhiwindscourareas	Rangeland health indicator - the degree of departure from the ESD with regards to the presence of wind scoured blowouts and/or depositional areas. Reference - NRI Grazing Land On-Site Data Collection instructions, dated 4/10/2012.
RHI Soil Site Stability Summ	rhisoilstestabsumm	Rangeland health indicator summary - A summary rating indicating the degree of departure from the ESD with regards to the capacity of the site to limit redistribution and loss of soil resources (including nutrients and organic matter) by wind and water.
RHI Biotic Integrity Summ	rhibioticintegritysumm	Rangeland health indicator summary - A summary rating indicating the degree of departure from the ESD with regards to the capacity of the site to support characteristic functional and structural communities in the context of normal variability, to resist loss of this function and structure due to a disturbance, and to recover following such disturbance.
RHI Hydro Function Summ	rhihydrofunctionsumm	Rangeland health indicator summary - A summary rating indicating the degree of departure from the ESD with regards to the capacity of the site to capture, store, and safely release water from rainfall, run-on, and snowmelt, to resist a reduction in this capacity, and to recover this capacity following degradation.
Pasture Forage Type	pastureforagetype	The name of the pasture forage type as recorded when using the Pasture Stick sampling protocol.
Average Pasture Stand Density	pasturestanddensityave	The average percent cover of plants in the sample area when using the Pasture Stick sampling protocol.
Average Pasture Plant Ht	pastureplanthtave	The average height in inches of plants for the pasture forage type in the sample area.
Average Pasture Production	pastureprodave	The average annual estimated dry matter production of the sample area as determined by use of the Pasture Stick sampling protocol reported as pounds per acre.
PCI Desirable Plants	pcidesirableplants	Pasture Condition Indicator - The percent of plant cover by weight that is desirable forage, expressed as a class.
PCI Plant Cover	pciplantcover	Pasture Condition Indicator - The percent live, leafy canopy or basal cover of desirables and intermediates, expressed as a class.
PCI Plant Diversity	pciplantdiversity	Pasture Condition Indicator - The diversity of well represented forage species.
PCI Ground Cover Residue	pcigroundcovresidue	Pasture Condition Indicator - Ground cover and/or thatch. Ground cover and standing dead forage are rated separately then the scores are averaged.
PCI - Standing Dead Forage	pcistandingdeadforage	Pasture Condition Indicator - standing dead forage. Ground cover and standing dead forage are rated separately then the scores are averaged.

Column Label	Column Physical Name	Column Description
PCI Plant Residue Comp Score	pciplantresiduecompscore	Pasture Condition Indicator - The overall composite score for plant residue based on individual ratings for ground cover, standing dead forage, or thatch. Ground cover and standing dead forage are rated separately then the scores are averaged.
PCI Plant Vigor	pciplantvigor	Pasture Condition Indicator - Degree of stress of the plant community.
PCI Legume Pct	pcilegumepctclass	Pasture Condition Indicator - The percentage of legumes present as total air-dry weight, expressed as a class.
PCI Use Uniformity	pciuseuniformity	Pasture Condition Indicator - The degree of uniformity of grazing.
PCI Livestock Conc Areas	pcilivestockconcareas	Pasture Condition Indicator - The presence of livestock concentration areas and their proximity to surface water.
PCI Soil Compaction	pcisoilcompaction	Pasture Condition Indicator - The degree of soil compaction.
PCI Sheet and Rill Erosion	pcisheetrillerosion	Pasture Condition Indicator - The presence and extent of sheet and rill erosion.
PCI Wind Erosion	pciwinderosion	Pasture Condition Indicator - The presence and extent of wind erosion.
PCI Stream or Shore Erosion	pcistreamshoreerosion	Pasture Condition Indicator - The presence and extent of streambank and/or shoreline erosion.
PCI Gully Erosion	pcigullyerosion	Pasture Condition Indicator - The presence and extent of gully erosion.
PCI Erosion Comp Score	pcierosioncompscore	Pasture Condition Indicator - The overall composite rating for the site based on individual scores for sheet and rill erosion, along with gully, streambank, shoreline, or wind erosion where present.
PCI Pasture Condition Score	pcipastureconditionscore	Pasture Condition Indicator - The overall composite rating for the site based on individual scores for sheet and rill erosion, along with gully, streambank, shoreline, or wind erosion where present.
Ref Plant Community	refplantcommunity	The reference plant community to which the plot is being compared.
Representative Annual Prod	repannualprod	The expected or representative annual air-dry production of the reference plant community in a normal year, expressed in pounds per acre.
Total Est Annual Prod	totestannualprod	The total estimated air-dry annual production of all species within the sample plot.
Total Allowable Prod	totalallowableannualprod	The total allowable air-dry annual production of all species within the sample plot.

Column Label	Column Physical Name	Column Description
Total Palatable Prod	totalpalatableannualprod	The total palatable air-dry annual production of all species within the sample plot.
Similarity Index	similarityindex	A comparison of current estimated production to that of the reference plant community, expressed as an index of 0 to 100.
Annual Useable Prod	annualuseableprod	The estimated annual air-dry production that is deemed to be available for animal consumption.
Harvest Efficiency Pct	harvesteffpct	The percentage of the total forage production that will on average be harvested by the grazing animals.
Take Half Leave Half	takehalfleavehalf	The portion of the estimated annual useable yield using the 'take half leave half' method, expressed as animal unit months (AUM) per acre.
Acres per AUM	acresperaum	The estimated annual useable yield expressed as acres per animal unit month (AUM).
AUM per acre	aumperacre	The estimated annual useable yield expressed as animal unit months (AUM) per acre.
AUD per acre	audperacre	The estimated annual useable yield expressed as animal unit days (AUD) per acre.
Desirable Plant Vigor	desirableplantvigor	An assessment of the vigor of desirable plant species on the site.
Desirable Seedling Abundance	desirableseedlingabundance	An assessment of the abundance of desirable plant seedlings on the site.
Decadent Plant Abundance	decadentplantabundance	An assessment of the abundance of decadent plants on the site.
Plant Residue Adequacy	plantresidueadequacy	An assessment of the adequacy of plant residue and litter on the site.
Undesirable Invading Species	undesirableinvadingspecies	An assessment of the abundance of undesirable invading species on the site.
Major Invading Species	majorinvadingspecies	A listing of invading species on the site.
Invading Species Canopy Cov Pct	invadingspeciescancovpct	The percentage of canopy cover attributed to invading species on the site.
Soil Surface Erosion	soilsurferosion	An assessment of the degree or extent of soil erosion on the site.
Soil Crusting	soilcrusting	An assessment of the degree or extent of soil crust formation on the site.

Column Label	Column Physical Name	Column Description
Soil Compaction	soilcompaction	An assessment of the degree or extent of soil compaction on the site.
Bare Ground Pct	baregroundpct	An estimate of the percentage of bare ground found on the site.
Gully and Rill Presence	gullyrillpresence	An assessment of the presence of rills and gullies on the site.
Soil Degradation	soildegradationrating	An assessment of the degree of soil degradation that has occurred on the site.
Current Range Trend	rangetrendcurrent	An assessment of the trend of the current plant community on the site towards or away from the historic plant community.
Planned Range Trend	rangetrendplanned	An assessment of the trend of the current plant community on the site towards or away from the desired or planned plant community based on the producer's objectives for the site.
QC Review Person	qcreviewperson	The name of the person performing the quality control review of the data.
QC Review Date	qcreviewdate	The date of the quality control review, expressed as MM/DD/YYYY.
QA Review Person	qareviewperson	The name of the person performing the quality assurance review of the data.
QA Review Date	qareviewdate	The date of the quality assurance review, expressed as MM/DD/YYYY.
Legacy SWCD	swcdlegacy	The name of the Soil & Water Conservation District in which the plot exists as recorded in legacy vegetation inventory data.
Legacy Field Office	fieldofficelegacy	The NRCS (SCS) field office within a state where the vegetation inventory plot/site exists as was recorded in legacy vegetation inventory data.
Legacy SCS or NRCS Area	nrcsarealegacy	The NRCS (SCS) administrative area within a state where the vegetation inventory plot/site exists as was recorded in legacy vegetation inventory data.
AK Total Lichen Cover	aktotallichencoverpct	The total lichen cover in percent. It is proposed as a state (AK) specific attribute. This attribute is to be used to accommodate only the respective attribute included in Alaska's AK SITE databases.
AK Total Litter1 Cover	aktotallitter1coverpct	The total herbaceous litter and mulch cover in percent. It is proposed as a state (AK) specific attribute. This attribute is to be used to accommodate only the respective attribute included in Alaska's AK SITE databases.
AK Total Litter2 Cover	aktotallitter2coverpct	The total woody litter and debris > 2.5 cm cover in percent. It is proposed as a state (AK) specific attribute. This attribute is to be used to accommodate only the respective attribute included in Alaska's AK SITE databases.
AK Total Moss Cover	aktotalmosscoverpct	The total bryophyte cover in percent. It is proposed as a state (AK) specific attribute. This attribute is to be used to accommodate only the respective attribute included in Alaska's AK SITE databases.

Column Label	Column Physical Name	Column Description
AK Total Surface Fragment Cover	aktotalrockcoverpct	The total surface rock fragment cover in percent. It is proposed as a state (AK) specific attribute. This attribute is to be used to accommodate only the respective attribute included in Alaska's AK SITE databases.
AK Total Bare Soil Cover	aktotalsoilcoverpct	The total bare soil cover in percent. It is proposed as a state (AK) specific attribute. This attribute is to be used to accommodate only the respective attribute included in Alaska's AK SITE databases.
AK Total Surface Water Cover	aktotalwatercoverpct	The total surface water cover in percent. It is proposed as a state (AK) specific attribute. This attribute is to be used to accommodate only the respective attribute included in Alaska's AK SITE databases.
AK Ecological Site Status	akecologicalsitestatus	Ecological_Site_Status is used to track which vegetative community each plot belongs to within an ecological site. This places a plot within a community and within a sere of the community. All sites are given an Ecological_Site_Id and an Ecological_Site_Status. This informs the user which Ecological_Site_Id that point belongs to and also which disturbance it underwent and how long ago.
AK Total Surface Bedrock Cover	aktotalbedrockcoverpct	The total surface bedrock cover in percent. It is proposed as a state (AK) specific attribute. This attribute is to be used to accommodate only the respective attribute included in Alaska's AK SITE databases.
AK fEcosite	akfieldecositeid	AK_Field_Ecological_Site_Id is used to track which Ecological Site Id the site has been assigned to during the project. At the end of the project, this value will be combined with other appropriate values to construct a valid Ecological_Site_Id which exists in ESIS. It is a three numeric character field with padded leading zeros, if necessary. Such as, 003 or 055, or 234. It is used as a short cut method of communication among the project members and perhaps other closely related projects.
Observation Intensity	obsintensity	Identifies the level of intensity of vegetation sampling and data collected at a point.
Veg Plot NASIS Site	vegplotdbiidref	The internal ID (integer) of the NASIS Site that currently owns an object. Also known as the "owning NASIS Site ID". This value is assigned by NASIS and can only be changed by using the "Change Owner" function in NASIS.
NASIS Group	grpriidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Object Last Updated	objwupdated	The date and time the corresponding object was last updated.
Object Last Updated By	objuseriidref	The key of the NASIS user who last updated the corresponding object.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.

Column Label	Column Physical Name	Column Description
Rec ID	vegplotiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: This table contains information about each vegetation plot and summary data collected from the plot.

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: vegplotrefecmdoc

Table Label: Veg Plot Reference ECM Documents

Table Logical Name: veg_plot_ref_ecm_doc

Column Label	Column Physical Name	Column Description
Lineage	vegplotiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
ECM Document Type	ecmdoctype	The type of document that is in ECM. Such as, image (photo of the landscape, the soil profile, etc.), diagram (block diagram, cross-section of site, etc.), spreadsheet of some kind of data taken at the site but doesn't have a place in the NASIS point data and is not part of the KSSL measured data.
ECM Document Name	ecmdocname	The name (title) of the document being entered or retrieved from the Enterprise Content Management System.
ECM Document URL	ecmdockeyurl	Unique key created by ECM when a document is uploaded into ECM. To populate this field in NASIS the user must get the key from ECM. Copy it and then paste into this NASIS field.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	vegplotrefecmdociid	NASIS automatically assigns the record ID when a new row is created and uses this number as part of an internal key to uniquely identify each record in the database. This column always has protected status and can never be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: vegplottext

Table Label: Vegetation Plot Text

Table Logical Name: vegetation_plot_text

Column Label	Column Physical Name	Column Description
Lineage	vegplotiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Date	recdate	The date associated with a particular record, expressed as month, day, year—xx/xx/xxxx.
Author	recauthor	Name of the person who entered, or is responsible for, a particular record.
Kind	vegplottextkind	A text entry is identified by its kind, category, and subcategory. Kind is the highest division of classification. Text kind provides a grouping of text entries according to their subject matter.
Category	textcat	A text entry is identified by its kind, category, and subcategory. Category is a subdivision of kind. "Agr" and "Soi" are two categories for the text kind "Nontechnical Description".
Subcategory	textsubcat	A text entry is identified by its kind, category, and subcategory. Subcategory is a subdivision of category. For text kind "Nontechnical" description and text category "Agr", subcategory would correspond to the SSSD field "desnum".
Text Entry	textentry	The actual narrative text portion of a text entry. The other parts of a text entry are its identifiers: kind, category and subcategory.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	vegplottextiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: This table contains text notes that pertain to a vegetation plot as a whole.

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: vegtransect

Table Label: Vegetation Transect

Table Logical Name: vegetation_transect

Column Label	Column Physical Name	Column Description
Lineage	vegplotiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Veg Transect ID	vegtransectid	A unique alphanumeric identifying code for the vegetation transect.
Start Latitude WGS84	transectstartlatitude	The latitudinal start point of the transect, expressed in decimal degrees, WGS84 datum.
Start Longitude WGS84	transectstartlongitude	The longitudinal start point of the transect, expressed in decimal degrees, WGS84 datum.
End Latitude WGS84	transectendlatitude	The latitudinal end point of the transect, expressed in decimal degrees, WGS84 datum.
End Longitude WGS84	transectendlongitude	The longitudinal end point of the transect, expressed in decimal degrees, WGS84 datum.
Transect Azimuth	transectazimuth	The direction of the transect, from starting point.
Transect Length	transectlength	The length of the transect, in feet.
Start Elevation	transectstartelevation	The elevation of the start point of the transect.
End Elevation	transectendelevation	The elevation of the end point of the transect.
Nmbr of Dbl Samp Quadrats Sampled	dblsampquadratssampled	The total number of quadrats that were sampled during a vegetation inventory when using the double sampling method.
Nmbr of Dbl Samp Quadrats Clipped	dblsampquadratsclipped	The number of quadrats that were clipped during a vegetation inventory when using the double sample method.

Column Label	Column Physical Name	Column Description
Nmbr of Nested Freq Quadrats Sampled	nestedfreqquadratssampled	The total number of quadrats that were sampled during a vegetation inventory when using nested frequency method.
Nmbr of Frequency Quadrats Sampled	freqquadratssampled	The total number of quadrats that were sampled during a vegetation inventory when using frequency method.
Nmbr of DWR Quadrats Sampled	dwrquadratssampled	The total number of quadrats that were sampled during a vegetation inventory when using Dry Weight Rank method.
Nmbr of Daubenmire Quadrats Sampled	daubenmirequadratssampled	The total number of quadrats that were sampled during a vegetation inventory when using Daubenmire method.
Dominant Quadrat Size Legacy	quadrat sizedomlegacy	The dominant quadrat size used during data collection on a plot as recorded in legacy data.
Secondary Quadrat Size Legacy	quadrat size seclegacy	The secondary quadrat size used during data collection on a plot as recorded in legacy data.
Dominant Quadrat Shape Legacy	quadrat shapedomlegacy	The dominant quadrat shape used during data collection on a plot as recorded in legacy data.
Secondary Quadrat Shape Legacy	quadrat shape seclegacy	The secondary quadrat shape used during data collection on a plot as recorded in legacy data.
Belt Width	beltwidth	The width of the belt transect.
DbI Sampling Annual Prod	dblsampannualprod	The total annual production of all plant species on the transect as measured by the Double Sampling protocol.
Total Harvest Annual Prod	totharvestannualprod	The total annual production of all plant species on the transect as measured by the Harvest protocol. (Not Total Harvest Protocol, this figure is recorded in the Transect Standing Biomass Details).
Weight Unit Annual Prod	wtunitannualprod	The total annual production of all plant species on the transect as measured by the Weight Unit Estimate protocol.
DWR Annual Prod	dwrannualprod	The total annual production of all plant species on the transect as measured by the Dry Weight Rank protocol.

Column Label	Column Physical Name	Column Description
Comparative Yield Annual Prod	comparativeyieldprod	The total annual production of all plant species on the transect as measured by the Comparative Yield protocol.
Total Comparative Yield Rank	comparativeyieldranktotal	The sum total of the individual estimated yield rank observations made along the transect.
Ave Comparative Yield Rank	comparativeyieldrankave	The numeric average of the individual estimated yield rank observations along the transect, computed as "comparative yield rank total" divided by the number of observations.
Comparative Ref Clipped Wt Ave	comparativerefclipwtave	The average fresh (green) weight, in grams, of the five clipped reference quadrats along the transect.
Total Above Ground Biomass	abovegroundbiomasstotal	The air-dry weight, in pounds per acre, of the total above ground biomass (including loose plant residue, litter, and downed wood) of all plant species for the transect.
Standing Herbaceous Biomass	standingherbbiomass	The air-dry weight, in pounds per acre, of standing herbaceous biomass (attached to rooted plants) of all plant species for the transect.
Transect Basal Cover Pct	transectbasalcovpct	The total percentage of the transect covered by the basal portion of plants.
Total Basal Cover Pct	basalcovpcttotal	The total basal cover of all plant species along a transect.
Minimum Basal Gap Size	basalgapsizemin	The minimum basal gap size considered for the gap intercept protocols on a transect.
Minimum Canopy Gap Size	canopygapsizemin	The minimum canopy gap size considered for the gap intercept protocols on a transect.
Gaps Measured Between	gapsmeasuredbetween	An indication of the type of plant(s) that basal and/or canopy gaps were measured between.
Total Canopy Gap Length	canopygaplengthtotal	The total length of canopy gaps along a transect.
Total Canopy Gap Pct	canopygappcttotal	The percentage of the transect covered by gaps in the canopy.
Total Basal Gap Length	basalgaplengthtotal	The total length of basal gaps along a transect.

Column Label	Column Physical Name	Column Description
Total Basal Gap Pct	basalgappcttotal	The percentage of the transect covered by gaps in plant basal cover.
Understory Reprod Abundance	understoryreprodabundance	A class indicating the abundance of plant reproduction in the understory.
Woody Understory Abundance	woodyunderstoryabundance	A class indicating the abundance of woody plants in the understory.
Herbaceous Understory Abundance	herbundertoryabundance	A class indicating the abundance of herbaceous plants in the understory.
Lichens Understory Abundance	lichensunderstoryabundance	A class indicating the abundance of lichens or mosses in the understory.
Transect Total Canopy Cover %	cancovpcttotaltrans	The cumulative canopy cover percent of all species along the transect.
Transect Total Canopy Cover Class	cancovtotalclasstrans	The cumulative canopy cover percent of all species along the transect, expressed as a class.
Veg Transect Can Cvr Assess Method	cancovassessmethod	The method used to determine canopy cover.
Crown Can Closure Pct	crowncanclosurepct	The percent of crown closure of the overstory species.
Veg Transect Crown Can Closure Assess Method	crowncancloseassessmethod	The method used to obtain the crown canopy closure percentage.
LPP Crown Competition Factor	crowncompfactorlpp	An index number indicating the crown competition factor for lodgepole pine.
LPP Crown Competition Ave DBH	crowncomplppavedbh	The average diameter at breast height (DBH), typically 4.5 feet above ground level, of the lodgepole pine stand being evaluated. This value is used in computing the crown competition factor.
Overstory Canopy Cover	overstorycancovpcttrans	The canopy cover percent of all species in the overstory stratum along the transect.

Column Label	Column Physical Name	Column Description
Pct		
Overstory Canopy Cover	overstorycancovclasstrans	The canopy cover percent of all species in the overstory stratum along the transect, expressed as a class.
Gr Cover Assess Method	groundcovassessmethod	The method used to assess ground cover.
Nmbr of Gr Cover Quadrats Sampled	groundcovquadratssampled	The total number of quadrats on the transect sampled for ground cover.
Nmbr of Gr Cover Points Sampled	groundcovpointssampled	The total number of points on the transect sampled for ground cover.
Gr Surf Cover Assess Method	groundsurfcovassessmethod	The method used to assess ground surface cover.
Nmbr of Gr Surf Cover Quadrats Sampled	groundsurfcovquadratsamp	The total number of quadrats on the transect sampled for ground surface cover.
Nmbr of Gr Surf Cover Points Sampled	groundsurfcovpointssamp	The total number of points on the transect sampled for ground surface cover.
LPI Observation Interval	lpiobsinterval	The distance between observation points along the transect when using Line-Point Intercept protocol.
Total Nmbr of Points Sampled	totalpointssampledcount	The total number of points sampled along the transect.
Top Canopy Ht Ave	topcanopyhtave	The average height of plants in the top canopy layer along the transect.
Top Canopy Ht Std Dev	topcanopyhtstddev	The standard deviation of the height of plants in the top canopy layer along the transect.
Total Nmbr Plants Belt	totalnumplantsbelt	The total number of plants found using the belt transect protocol.
Total Nmbr Species Belt	totalnumspeciesbelt	The total number of species found using the belt transect protocol.

Column Label	Column Physical Name	Column Description
Total Density Belt	totalplantdensitybelt	The total plant density of all species found using the belt transect protocol.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	vegtransectiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: This table contains information about each vegetation transect within a vegetation plot, and summary vegetation data collected along the transect.

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: vegtransectplantsummary

Table Label: Vegetation Transect Plant Summary

Table Logical Name: vegetation_transect_plant_summ

Column Label	Column Physical Name	Column Description
Lineage	vegtransectiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Plant	plantiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Plant Nativity	plantnativity	The nativity of the plant species.
Plant Type Group	planttypegroup	The designation of a plant type group being inventoried by lifeform.
Height Class Lower Limit	plantheightcllowerlimit	The lower height limit of the plant height class being described.
Height Class Upper Limit	plantheightclupperlimit	The upper height limit of the plant height class being described.
Sociability Class	sociabilityclass	An indication of how individual plants of a species exist within the sample area in relation to one another.
Ave Live Canopy Ht Bottom	specieslivecanhtbotave	The average height to the bottom of the canopy of measured trees of a species.
Ave Live Canopy Ht Top	specieslivecanhttopave	The average height to the top of the canopy of measured trees of a species. Synonymous with 'tree height'.
Overstory DBH Minimum	overstorydbhmin	The lower end of the range of diameter at breast height (DBH) for trees > 15 feet in height of a particular species in the overstory stratum.
Overstory DBH Maximum	overstorydbhmax	The upper end of the range of diameter at breast height (DBH) for trees > 15 feet in height of a particular species in the overstory stratum.
Overstory Canopy Cover Pct	speciesovercancovpct	The total percent canopy cover of trees of a particular species in the overstory stratum.

Column Label	Column Physical Name	Column Description
Overstory Canopy Cover Class	speciesovercancovclass	The total percent canopy cover of trees of a particular species in the overstory stratum, expressed as a class.
Plant Prod Quadrat Size	plantprodquadratsize	The total area of the vegetation quadrat used.
Plant Prod Quadrat Shape	plantprodquadratshape	The shape of the quadrat used. Most common shapes are rectangular and circular.
Nested Freq Quadrat Size	nestedfreqquadratsize	The total area of the vegetation quadrat used.
Nested Freq Quadrat Shape	nestedfreqquadratshape	The shape of the quadrat used. Most common shapes are rectangular and circular.
Freq Quadrat Size	frequencyquadratsize	The total area of the vegetation quadrat used.
Freq Quadrat Shape	frequencyquadratshape	The shape of the quadrat used. Most common shapes are rectangular and circular.
DWR Quadrat Size	dwrquadratsize	The total area of the vegetation quadrat used.
DWR Quadrat Shape	dwrquadratshape	The shape of the quadrat used. Most common shapes are rectangular and circular.
Density Quadrat Size	densityquadratsize	The total area of the vegetation quadrat used.
Density Quadrat Shape	densityquadratshape	The shape of the quadrat used. Most common shapes are rectangular and circular.
Total Clipped Wt Estimated	speciestotwtclippedest	The total estimated fresh (green) weight, in grams, of all clipped quadrats.
Total Clipped Wt Fresh	speciestotwtclippedfresh	The total actual fresh (green) weight, in grams, of all clipped quadrats.
Total Clipped Wt Air Dry	speciestotwtclippedairdry	The total air-dry weight of a species that was clipped from all quadrats.
Total Wt Air Dry	speciestotwtairdry	The total air-dry weight of a species from all quadrats.
Total Wt Estimated	speciestotwttest	The total estimated fresh (green) weight, in grams, of all estimated quadrats.
Total Wt Existing	speciestotwtexisting	"Species Total Estimated Wt of All Quadrats " multiplied by "Double-Sampling Correction Factor".

Column Label	Column Physical Name	Column Description
Dry Weight Pct	speciesdrywtpct	The percent dry weight used to convert fresh weight to air-dry weight.
Species Total Wt	speciestotwt	"Species Total Existing Wt" multiplied by "Double sampling Correction Factor" (formerly called Plot Correction Factor).
Dbl Sampling Ave Yield	speciesaveyielddblsamp	The computed average production for a particular species across all quadrats using the double sampling protocol.
Dbl Sampling Composition Pct	speciescomppctdblsamp	The percentage of the total plant community occupied by a particular plant species as determined by the Double Sampling method.
Daubenmire Composition Pct	speciescomppctdaubenmire	The percentage of the total plant community occupied by a particular plant species as determined by the Daubenmire method.
Species Comp Pct Line Int	speciescomppctlineintercept	The percentage of the total plant community occupied by a particular plant species as determined by the Line Intercept method.
Spp Trace Amount Flag	speciestraceamtflag	A yes/no indicator that a 'trace' amount of a species exists. A 'trace' is defined as 'less than a measureable amount'.
Wt Conversion Factor	weightconvfactor	A conversion factor used to convert weights obtained from quadrats to standard units of pounds per acre. The value varies based on the size of quadrat used.
Dbl Sampling Correction Factor	dblsampcorrectionfactor	The correction factor to convert estimated weights to actual weights for a plant species, computed as "Species Total Wt of Clipped Quadrats" divided by "Species Total Estimated Wt of Clipped Quadrats". Formerly called 'plot correction factor'.
Air Dry Wt Adjustment	airdrywtadjustment	An adjustment factor that accounts for the amount (percentage) of moisture contained in the vegetation at the time of clipping, expressed as a decimal fraction ranging from 0.01 to 1.0.
Utilization Adjustment	utilizationadjustment	An adjustment factor that accounts for the amount (percentage) of vegetation removed by herbivory or other loss, expressed as a decimal fraction ranging from 0.01 to 1.0.
Growth Adjustment	growthadjustment	An adjustment factor that accounts for the proportion of annual plant growth that has occurred at the time of clipping, expressed as a decimal fraction ranging from 0.01 to 1.0.
Weather Adjustment	weatheradjustment	An adjustment factor that accounts for the growing condition of the clipping year as compared to long-term annual growth conditions, expressed as a decimal fraction ranging from 0.01 to 2.0.
Nmbr of Quadrats In	numberofquadratsin	The number of quadrats along the transect that a particular species occurs in.
Species Frequency Daubenmire	speciesfreqdaubenmire	For a given species, the percentage of quadrats or points along the transect where the species was found using the Daubenmire method.
DWR 1 Tally	dwrnetally	For a given species, the number of quadrats where "Dry Weight Rank 1" of the "DWR Quadrat Details" child table = "Yes".

Column Label	Column Physical Name	Column Description
DWR 2 Tally	dwrwtotally	For a given species, the number of quadrats where "Dry Weight Rank 2" of the "DWR Quadrat Details" child table = "Yes".
DWR 3 Tally	dwrthreetally	For a given species, the number of quadrats where "Dry Weight Rank 3" of the "DWR Quadrat Details" child table = "Yes".
DWR Weighted Tally	dwrweightedtally	For a given species (DWR 1 Tally x 7) + (DWR 2 Tally x 2) + (DWR 3 Tally x 1).
DWR Composition Pct	speciescomppctdwr	For a given species, "DWR Weighted Tally" multiplied by 10, divided by the number of quadrats sampled.
DWR Average Yield	speciesaveyielddwr	The computed average production for the species across all quadrats using the Dry Weight Rank protocol.
Wt Unit Weight	wtunitweight	The clipped and weighed fresh weight of the reference weight unit for a particular species collected near but outside the transect area. It is a repeatable unit for the particular plant species. It can consist of a plant part, and entire plant, or a group of plants. Select a weight unit that is easy to identify, count, and remember.
Total Nmbr of Wt Units	wtunitcounttotal	The total number of weight units estimated for a particular species.
Wt Unit Ave Yield	speciesaveyieldwtunit	The computed average production for the species across all quadrats using the weight unit weight protocol.
Total Wt Unit Weight Clipped	wtunitwtclippedtotal	The total clipped and weighed fresh weight of the weight unit quadrats that were clipped for a particular species.
Nmbr of Species Canopy Cover Hits	speciescancovhitcount	The total number of canopy hits of a species along the transect.
Species Canopy Cover Pct	speciescancovpct	The estimated canopy cover percent of a species.
Species Canopy Cover Pct Ave Daubenmire	speciescancovpctavedaub	The estimated average canopy cover percent of a species as determined by the Daubenmire method.
Species Canopy Cover Ave Class	speciescancovaveclass	For a given species, the modal value in the "Canopy Cover Class" column from the "Daubenmire Canopy Cover Class Summary" child table for a transect, expressed as a class.

Column Label	Column Physical Name	Column Description
Nmbr of Species Foliar Cover Hits	speciesfoliarcovhitcount	The total number of foliar cover hits of a species along the transect.
Foliar Cover Pct Line Int	speciesfoliarcovpctlineint	For a given species, the percentage of points along a transect where foliar cover of that species was encountered using the Line Point Intercept protocol. Computed by the number of points where "Foliar Cover" = "Yes", divided by the total number of points sampled, multiplied by 100.
Total Foliar Cover Line Int	speciestotfoliarcovlineint	The total length along a transect occupied by foliar cover of a particular species.
Nmbr of Species Basal Cover Hits	speciesbasalcovhitcount	The total number of basal cover hits of a species along the transect.
Basal Cover Pct Line Int	speciesbasalcovpctlineint	For a given species, the percentage of points along a transect where basal cover of that species was encountered using the Line Point Intercept protocol. Computed by the number of points where "Basal Cover" = "Yes", divided by the total number of points sampled, multiplied by 100.
Total Basal Cover Line Int	speciestotbasalcovlineint	The total length along a transect occupied by basal cover of a particular species.
Total Nmbr of Mature Plants	maturecounttotal	The total number of mature plants for a given plant species within all quadrats on the transect.
Average Mature Density	maturedensityave	The average number of mature plants per quadrat, for a given plant species over all quadrats on the transect.
Average Mature Density Class	maturedensityaveclass	A class indicating the density of mature plants of a species per quadrat. Dependent on quadrat size recorded for the species being counted.
Total Nmbr of Seedling Plants	seedlingcounttotal	The total number of seedling plants for a given plant species within all quadrats on the transect.
Average Seedling Density	seedlingdensityave	The average number of seedling plants per quadrat, for a given plant species over all quadrats on the transect.
Average Seedling Density Class	seedlingdensityaveclass	A class indicating the density of seedling plants of a species per quadrat. Dependent on quadrat size recorded for the species being counted.
Ground Cover Abundance Class	speciesgroundcovabundclass	A class representing the proportion of the total ground cover of each species along the transect.
Pct of Total Canopy Cover	speciescancovportion	The percent of the total canopy along the transect that is attributed to a particular species.

Column Label	Column Physical Name	Column Description
Spp BA	speciesbasalarea	The total basal area measured of a particular species.
BA Assess Method	basalareaassessmethod	The method used to determine basal area.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	vegtransplantsummiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: This table contains data about plant species found along a vegetation transect within a vegetation plot.

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: vegtransecttext

Table Label: Vegetation Transect Text

Table Logical Name: vegetation_transect_text

Column Label	Column Physical Name	Column Description
Lineage	vegtransectiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Date	recdate	The date associated with a particular record, expressed as month, day, year—xx/xx/xxxx.
Author	recauthor	Name of the person who entered, or is responsible for, a particular record.
Kind	vegtransecttextkind	A text entry is identified by its kind, category, and subcategory. Kind is the highest division of classification. Text kind provides a grouping of text entries according to their subject matter.
Category	textcat	A text entry is identified by its kind, category, and subcategory. Category is a subdivision of kind. "Agr" and "Soi" are two categories for the text kind "Nontechnical Description".
Subcategory	textsubcat	A text entry is identified by its kind, category, and subcategory. Subcategory is a subdivision of category. For text kind "Nontechnical" description and text category "Agr", subcategory would correspond to the SSSD field "desnum".
Text Entry	textentry	The actual narrative text portion of a text entry. The other parts of a text entry are its identifiers: kind, category and subcategory.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	vegtranstextiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: This table contains text notes pertaining to an individual vegetation transect.

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: vegtransmprotusedrefecmdoc

Table Label: Veg Trans Sample Protocol Ref ECM Documents

Table Logical Name: veg_trans_smp_prot_ref_ecm_doc

Column Label	Column Physical Name	Column Description
Lineage	transsampprotocusediidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
ECM Document Type	ecmdoctype	The type of document that is in ECM. Such as, image (photo of the landscape, the soil profile, etc.), diagram (block diagram, cross-section of site, etc.), spreadsheet of some kind of data taken at the site but doesn't have a place in the NASIS point data and is not part of the KSSL measured data.
ECM Document Name	ecmdocname	The name (title) of the document being entered or retrieved from the Enterprise Content Management System.
ECM Document URL	ecmdockeyurl	Unique key created by ECM when a document is uploaded into ECM. To populate this field in NASIS the user must get the key from ECM. Copy it and then paste into this NASIS field.
Record When Last Updated	recwupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	vegtransmethoddrefecmdociid	NASIS automatically assigns the record ID when a new row is created and uses this number as part of an internal key to uniquely identify each record in the database. This column always has protected status and can never be edited.

Table Description: 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 7.4.3 Table Column Descriptions

Table Physical Name: windbreakrowdata

Table Label: Windbreak Row Data

Table Logical Name: windbreak_row_data

Column Label	Column Physical Name	Column Description
Lineage	vegplotiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Seq	seqnum	Sequential number of the feature being described.
Row ID	windbreakrowid	An identifier indicating the position of the row within the windbreak, generally a number beginning with '1' for the row on the west or north side of the windbreak depending on the orientation of the windbreak. If multiple species are planted in the same row, an uppercase letter beginning with 'A' for the first species, 'B' for the second species, etc., is added to the number to identify a segment of a row where each species is planted.
Plant	plantiidref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Nmbr of Growing Seasons	growingseasoncount	The number of growing seasons since the tree or shrub was planted in a windbreak row.
Species Condition	speiescondition	The general condition class of the identified species in a windbreak row.
Crown Spread Left	crownspreadleft	The average distance that the crown extends to the left of the evaluation row. Left is towards row #1.
Crown Spread Right	crownspreadright	The average distance that the crown extends to the right of the evaluation row. Right is away from row #1.
Spacing Between Rows	spacingbetweenrows	The distance between a row of trees or shrubs within a windbreak, and its adjacent rows.
Spacing Within Row	spacingwithinrow	The distance between individual trees or shrubs within a row of a windbreak.
Cultivation Past	cultivationpast	An indicator of the extent of cultivation activities in past years.
Cultivation Present	cultivationpresent	An indicator of the extent of cultivation activities during the current year.
DBH Average	speciesdbhaverage	The average diameter at breast height (DBH) of the identified species.

Column Label	Column Physical Name	Column Description
Disease Kind	diseasekind	The dominant type of disease causing the damage.
Disease Damage Degree	diseasedamagedegree	An indication of the degree of damage to the plants by disease.
Injury Kind	injurykind	The dominant type or source of injury causing damage to the plants.
Injury Damage Degree	injurydamagedegree	An indication of the degree of damage to the plants by some injury.
Insect Kind	insectkind	The dominant type of insect causing damage to the plants.
Insect Damage Degree	insectdamagedegree	An indication of the degree of damage to the plants by insects.
Ground Cover Extent	groundcoverextent	An indication of the extent and type of ground cover within the windbreak row.
Height to Live Crown Left	heightlivecrownleft	The average height to live crown on the left side (towards row #1) of the row being evaluated.
Height to Live Crown Right	heightlivecrownright	The average height to live crown on the right side (away from row #1) of the row being evaluated.
Survival Pct	survivalpct	The percentage of plants of the species within a row that are surviving at the time of observation.
Row Ht Average	windbreakrowhtave	The average height of all plants of a particular species in the windbreak row.
Row Ht Max Average	windbreakrowhtmaxave	The average height of the two tallest plants of a particular species in the windbreak row.
Reproduction Abundance Class	reprodabundanceclass	An indication of the abundance of reproduction of a windbreak species.
Rooting Depth Few	rootdepthfew	The depth to the lower boundary in the soil profile in which roots of trees or shrubs are described as being 'few' (<1 per unit area) in abundance.
Rooting Depth Common	rootdepthcommon	The depth to the lower boundary in the soil profile in which roots of trees or shrubs are described as being 'common' (1 to <5 per unit area) in abundance.
Root Depth Many	rootdepthmany	The depth to the lower boundary in the soil profile in which roots of trees or shrubs are described as being 'many' (>=5 per unit area) in abundance.
Suppression Degree Left	suppressiondegreeleft	An indicator of the level of suppression of plants in the row being evaluated by plants in a row to its left (towards row #1).
Suppression Row ID Left	suppressionrowleft	The row position identifier of the row to the left that is causing the suppression.

Column Label	Column Physical Name	Column Description
Suppression Degree Right	suppressiondegreeright	An indicator of the level of suppression of plants in the row being evaluated by plants in a row to its right away from row #1).
Suppression Row ID Right	suppressionrowright	The row position identifier of the row to the right that is causing the suppression.
Vital Notes?	vitalnotesindicator	A yes/no indicator of whether or not vital notes about a windbreak row are recorded.
Within Soil Taxon Range?	soiltaxonrangeindicator	A yes/no indicator of whether or not the soil in a windbreak is within the range of characteristics of the soil series described for the site.
Notes	notes	Notes describing decisions, issues, or other history related to the record.
Record When Last Updated	recwlupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuseriidref	The key of the NASIS user who last updated the corresponding record.
Rec ID	windbreakrowdataiid	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: This table contains data collected from individual rows of a windbreak as part of a vegetation inventory.

NASIS 7.4.3 Table Column Descriptions

Table Physical Name: wsimportmap

Table Label: Worksheet Import Map

Table Logical Name: ws_import_map

Column Label	Column Physical Name	Column Description
Workbook Name	wbname	The name of an Excel workbook that was created for a specific data collection effort, e.g. Rapid Carbon Assessment or Dynamic Soil Properties.
Workbook Version	wbversion	The version number of an Excel workbook that was created for a specific data collection effort, e.g. Rapid Carbon Assessment or Dynamic Soil Properties. Workbook version is a two part number separated by a period, where the part to left of the period corresponds to major version and the part to the right of the period corresponds to the minor version.
Worksheet Name	wsname	The name of a worksheet in an Excel workbook.
Worksheet Import Mapping	wsimportmapping	An XML specification of the mapping between the cells in an Excel worksheet and the columns in one or more database tables into which all or part of the data in the worksheet will be imported.
Worksheet Import Map NASIS Site	wsimportmapdbiidref	The internal ID (integer) of the NASIS Site that currently owns an object. Also known as the "owning NASIS Site ID". This value is assigned by NASIS and can only be changed by using the "Change Owner" function in NASIS.
NASIS Group	grpIIDref	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record in another table. Also known as part (or all) of a "foreign key". In cases where the _iid_ref is used as part of a lookup (choice list) into another table, NASIS users can edit this value by entering a valid choice and thus "link" to a record in another table. In all other cases, this value is managed by NASIS and cannot be edited.
Object Last Updated	objwIupdated	The date and time the corresponding object was last updated.
Object Last Updated By	objuserIIDref	The key of the NASIS user who last updated the corresponding object.
Record When Last Updated	recwIupdated	The date and time the corresponding record was last updated.
Record Last Updated By	recuserIIDref	The key of the NASIS user who last updated the corresponding record.
Rec ID	wsimportmapIID	An internal ID (integer) that is part (or all) of a key that uniquely identifies a record. Also known as part (or all) of the "primary key". This value is managed by NASIS and cannot be edited.

Table Description: 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.