

## NASIS 7.4.2 Domains

Domain Name: aashto\_group\_classification

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	a-1	A-1	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.
No	2	a-1-a	A-1-a	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.
No	3	a-1-b	A-1-b	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.
No	4	a-2	A-2	Granular materials (35% or less passing No. 200), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.
No	5	a-2-4	A-2-4	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.
No	6	a-2-5	A-2-5	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.
No	7	a-2-6	A-2-6	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.
No	8	a-2-7	A-2-7	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.
No	9	a-3	A-3	Granular materials (35% or less passing No. 200), fine sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.
No	10	a-4	A-4	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	11	a-5	A-5	Silt-Clay Materials (more than 35% passing No. 200), clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.
No	12	a-6	A-6	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.
No	13	a-7	A-7	Silt-Clay materials (more than 35% passing No. 200), clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.
No	14	a-7-5	A-7-5	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.
No	15	a-7-6	A-7-6	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.
No	16	a-8	A-8	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.

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Domain Description: AASHTO Group Classification is a system that classifies soils specifically for geotechnical engineering purposes that are related to highway and airfield construction. It is based on particle-size distribution and Atterberg limits, such as liquid limit and plasticity index. This classification system is covered in Standard No. M 145-82, published by the American Association of State Highway and Transportation Officials (AASHTO), and consists of a symbol and a group index. The classification is based on that portion of the soil that is smaller than 3 inches in diameter. Reference: Part 618 of the National Soil Survey Handbook.

## NASIS 7.4.2 Domains

Domain Name: abundance\_class

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	none	None	None present.
No	2	sparsely abundant	Sparsely abundant	Sparsely abundant (Trace - 9%)
No	3	moderately abundant	Moderately abundant	Moderately abundant (10% - 19%)
No	4	abundant	Abundant	Abundant (20% - 29%)
No	5	very abundant	Very abundant	Very abundant (30%+)

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Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: addtnl\_mu\_dmu\_select\_criteria

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	select correlated to mapunit rep dmu	Select correlated to mapunit representative data mapunit	No description available.
No	2	select additional mapunit rep dmu	Select additional mapunit representative data mapunit	No description available.

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Domain Description: No description available.



## NASIS 7.4.2 Domains

Domain Name: agronomic\_feature

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	close grown annual crop, or crop-fallow	close grown annual crop, or crop-fallow	Close grown (drilled or broadcast) crops with less than 15 inch row spacing flat planted.
No	2	crop row, flat planted	crop row, flat planted	Row Crop row area on greater than 15 inch row spacing flat planted.
No	3	inter-row, flat planted, no wheel track	inter-row, flat planted, no wheel track	Unplanted row middle, no wheel traffic flat planted.
No	4	inter-row, flat planted, wheel track	inter-row, flat planted, wheel track	Unplanted row middle, subject to wheel traffic, flat planted.
No	5	crop row on bed or ridge	crop row on bed or ridge	Bedded or ridge planted crop rows.
No	6	furrow between bed, no wheel track	furrow between bed, no wheel track	Untrafficed furrow area.
No	7	furrow between bed, wheel track	furrow between bed, wheel track	Furrow area subject to wheel traffic.
No	8	tree or vine row, sprayed	tree or vine row, sprayed	Sprayed area under orchard or vineyard row (not tilled).
No	9	tree or vine row, tilled	tree or vine row, tilled	Tilled area under orchard or vineyard row.
No	10	tree or vine row with cover	tree or vine row with cover	Area under orchard or vineyard row with cover not tilled.
No	11	alleyway, sprayed	alleyway, sprayed	Alleyway with weed vegetation controlled by chemicals and subject to traffic.
No	12	alleyway, tilled	alleyway, tilled	Alleyway with weed vegetation controlled by tillage and subject to traffic.
No	13	alleyway with cover	alleyway with cover	Alleyway with reseeded annual or perennial cover and subject to traffic.

Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: ak\_crown\_class

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	codominant	Codominant	Trees large-crowned at the general level of the forest canopy, receiving direct sunlight from above and partly from the sides. Crowns somewhat smaller than dominants but healthy and vigorous. From AK SITE 4.0.
No	2	dominant	Dominant	Trees with wide crowns above the level of the forest canopy, receiving sunlight from above and partly from the sides. From AK SITE 4.0.
No	3	open grown	Open Grown	Trees generally growing in open without any nearby surrounding trees, receiving direct sunlight from above and the sides. From AK SITE 4.0.
No	4	relict	Relict	Usually either dominant or tall, open crown class trees that are significantly older than the main stand. From AK SITE 4.0.
No	5	intermediate or suppressed	Intermediate or Suppressed	Trees overtopped by large trees and receiving no full, direct sunlight from above or the sides. From AK SITE 4.0.
No	6	unknown	Unknown	No description available.

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Domain Description: Added for NASIS 7.2. It is a system used to describe additional crown classes used specifically in Alaska. Originated in the AK SITE application. This domain is only used in Alaska.

## NASIS 7.4.2 Domains

Domain Name: ak\_ecological\_site\_status

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	plant association on flood plains	Plant association on flood plains	No description available.
No	2	early stage of primary succession on flood plains	Early stage of primary succession on flood plains	No description available.
No	3	late stage of primary succession on flood plains	Late stage of primary succession on flood plains	No description available.
No	4	mid stage of primary succession on flood plains	Mid stage of primary succession on flood plains	No description available.
No	5	pioneering stage of primary succession on flood plains	Pioneering stage of primary succession on flood plains	No description available.
No	7	early stage of primary succession following isostatic rebound	Early stage of primary succession following isostatic rebound	No description available.
No	8	late stage of primary succession following isostatic rebound	Late stage of primary succession following isostatic rebound	No description available.
No	9	mid stage of primary succession following isostatic rebound	Mid stage of primary succession following isostatic rebound	No description available.
No	10	pioneering stage of primary succession following isostatic rebound	Pioneering stage of primary succession following isostatic rebound	No description available.
No	19	early stage of primary succession following glacial retreat	Early stage of primary succession following glacial retreat	No description available.
No	20	late stage of primary succession following glacial retreat	Late stage of primary succession following glacial retreat	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	21	mid stage of primary succession following glacial retreat	Mid stage of primary succession following glacial retreat	No description available.
No	22	pioneering stage of primary succession following glacial retreat	Pioneering stage of primary succession following glacial retreat	No description available.
No	23	early stage of secondary succession on flood plains	Early stage of secondary succession on flood plains	No description available.
No	24	late stage of secondary succession on flood plains	Late stage of secondary succession on flood plains	No description available.
No	25	mid stage of secondary succession on flood plains	Mid stage of secondary succession on flood plains	No description available.
No	26	pioneering stage of secondary succession on flood plains	Pioneering stage of secondary succession on flood plains	No description available.
No	27	early stage of secondary succession following brush management	Early stage of secondary succession following brush management	No description available.
No	28	late stage of secondary succession following brush management	Late stage of secondary succession following brush management	No description available.
No	29	mid stage of secondary succession following brush management	Mid stage of secondary succession following brush management	No description available.
No	30	pioneering stage of secondary succession following brush management	Pioneering stage of secondary succession following brush management	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	31	early stage of secondary succession following cultural treatment	Early stage of secondary succession following cultural treatment	No description available.
No	32	late stage of secondary succession following cultural treatment	Late stage of secondary succession following cultural treatment	No description available.
No	33	mid stage of secondary succession following cultural treatment	Mid stage of secondary succession following cultural treatment	No description available.
No	34	pioneering stage of secondary succession following cultural treatment	Pioneering stage of secondary succession following cultural treatment	No description available.
No	35	early stage of secondary succession, biological agent (mistletoe, beetle, root disease, fungi, aphid, moth)	Early stage of secondary succession, biological agent (mistletoe, beetle, root disease, fungi, aphid, moth)	No description available.
No	36	late stage of secondary succession, biological agent (mistletoe, beetle, root disease, fungi, aphid, moth)	Late stage of secondary succession, biological agent (mistletoe, beetle, root disease, fungi, aphid, moth)	No description available.
No	37	mid stage of secondary succession, biological agent (mistletoe, beetle, root disease, fungi, aphid, moth)	Mid stage of secondary succession, biological agent (mistletoe, beetle, root disease, fungi, aphid, moth)	No description available.
No	38	pioneering stage of secondary succession, biological agent (mistletoe, beetle, root disease, fungi, aphid, moth)	Pioneering stage of secondary succession, biological agent (mistletoe, beetle, root disease, fungi, aphid, moth)	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	39	early stage of secondary succession	Early stage of secondary succession	No description available.
No	40	early stage of mass erosion induced secondary succession	Early stage of mass erosion induced secondary succession	No description available.
No	41	late stage of mass erosion induced secondary succession	Late stage of mass erosion induced secondary succession	No description available.
No	42	mid stage of mass erosion induced secondary succession	Mid stage of mass erosion induced secondary succession	No description available.
No	43	pioneering stage of mass erosion induced secondary succession	Pioneering stage of mass erosion induced secondary succession	No description available.
No	44	early stage of fire induced secondary succession	Early stage of fire induced secondary succession	No description available.
No	45	late stage of fire induced secondary succession	Late stage of fire induced secondary succession	No description available.
No	46	mid stage of fire induced secondary succession	Mid stage of fire induced secondary succession	No description available.
No	47	pioneering stage of fire induced secondary succession	Pioneering stage of fire induced secondary succession	No description available.
No	48	early stage of grazing or browsing induced secondary succession	Early stage of grazing or browsing induced secondary succession	No description available.
No	49	late stage of grazing or browsing induced secondary succession	Late stage of grazing or browsing induced secondary succession	No description available.
No	50	mid stage of grazing or browsing induced secondary succession	Mid stage of grazing or browsing induced secondary succession	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	51	pioneering stage of grazing or browsing induced secondary succession	Pioneering stage of grazing or browsing induced secondary succession	No description available.
No	52	early stage of secondary succession following thermal erosion	Early stage of secondary succession following thermal erosion	No description available.
No	53	late of secondary succession following thermal erosion	Late of secondary succession following thermal erosion	No description available.
No	54	mid stage of secondary succession following thermal erosion	Mid stage of secondary succession following thermal erosion	No description available.
No	55	pioneering stage of secondary succession following thermal erosion	Pioneering stage of secondary succession following thermal erosion	No description available.
No	56	late stage of secondary succession	Late stage of secondary succession	No description available.
No	57	mid stage of secondary succession	Mid stage of secondary succession	No description available.
No	58	early stage of secondary succession with natural mortality due to age related decline (canopy gap dynamics)	Early stage of secondary succession with natural mortality due to age related decline (canopy gap dynamics)	No description available.
No	59	late stage of secondary succession with natural mortality due to age related decline (canopy gap dynamics)	Late stage of secondary succession with natural mortality due to age related decline (canopy gap dynamics)	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	60	mid stage of secondary succession with natural mortality due to age related decline (canopy gap dynamics)	Mid stage of secondary succession with natural mortality due to age related decline (canopy gap dynamics)	No description available.
No	61	pioneering stage of secondary succession	Pioneering stage of secondary succession	No description available.
No	63	early stage of pond/fen/bog secondary succession: early stage of pond/fen/bog succession	Early stage of pond/fen/bog secondary succession: Early stage of pond/fen/bog succession	No description available.
No	64	late stage of pond/fen/bog secondary succession: late stage of pond/fen/bog succession	Late stage of pond/fen/bog secondary succession: Late stage of pond/fen/bog succession	No description available.
No	65	mid stage of pond/fen/bog secondary succession: mid stage of pond/fen/bog succession	Mid stage of pond/fen/bog secondary succession: Mid stage of pond/fen/bog succession	No description available.
No	66	pioneering state of pond/fen/bog secondary succession: pioneering state of pond/fen/bog succession	Pioneering state of pond/fen/bog secondary succession: Pioneering state of pond/fen/bog succession	No description available.
No	67	early stage of secondary succession following overstory removal	Early stage of secondary succession following overstory removal	No description available.



Obsolete?	ID	Data Entry Text	Label Text	Description
No	68	late stage of secondary succession following overstory removal	Late stage of secondary succession following overstory removal	No description available.
No	69	mid stage of secondary succession following overstory removal	Mid stage of secondary succession following overstory removal	No description available.
No	70	pioneering stage of secondary succession following overstory removal	Pioneering stage of secondary succession following overstory removal	No description available.
No	71	early stage of urban induced secondary succession	Early stage of urban induced secondary succession	No description available.
No	72	late stage of urban induced secondary succession	Late stage of urban induced secondary succession	No description available.
No	73	mid stage of urban induced secondary succession	Mid stage of urban induced secondary succession	No description available.
No	74	pioneering stage of urban induced secondary succession	Pioneering stage of urban induced secondary succession	No description available.
No	75	early stage of volcanic ash induced secondary succession	Early stage of volcanic ash induced secondary succession	No description available.
No	76	late stage of volcanic ash induced secondary succession	Late stage of volcanic ash induced secondary succession	No description available.
No	77	mid stage of volcanic ash induced secondary succession	Mid stage of volcanic ash induced secondary succession	No description available.
No	78	pioneering stage of volcanic ash induced secondary succession	Pioneering stage of volcanic ash induced secondary succession	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	79	early stage of secondary succession following windthrow	Early stage of secondary succession following windthrow	No description available.
No	80	late stage of secondary succession following windthrow	Late stage of secondary succession following windthrow	No description available.
No	81	mid stage of secondary succession following windthrow	Mid stage of secondary succession following windthrow	No description available.
No	82	pioneering stage of secondary succession following windthrow	Pioneering stage of secondary succession following windthrow	No description available.
No	88	site and vegetation impacted by ice bulldozing	Site and vegetation impacted by Ice Bulldozing	No description available.
No	91	reference plant community	Reference Plant Community	No description available.
No	92	reference plant community on drier microsites	Reference Plant Community on drier microsites	No description available.
No	93	reference plant community on wetter microsites	Reference Plant Community on wetter microsites	No description available.
No	94	post reference plant community	Post Reference Plant Community	No description available.
No	95	Steady state plant association	Steady state plant association	No description available.
Yes	6	early stage of primary succession: obsolete. early stage of primary succession on flood plains	Early stage of primary succession: Obsolete. Early stage of primary succession on flood plains	No description available.
Yes	11	late stage of primary succession: obsolete. late stage of primary succession on flood plains	Late stage of primary succession: Obsolete. Late stage of primary succession on flood plains	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	12	mid stage of primary succession: obsolete. mid stage of primary succession on flood plains	Mid stage of primary succession: Obsolete. Mid stage of primary succession on flood plains	No description available.
Yes	13	plant association on moraines	Plant association on moraines	No description available.
Yes	14	early stage of primary succession on moraines	Early stage of primary succession on moraines	No description available.
Yes	15	late stage of primary succession on moraines	Late stage of primary succession on moraines	No description available.
Yes	16	mid stage of primary succession on moraines	Mid stage of primary succession on moraines	No description available.
Yes	17	pioneering stage of primary succession on moraines	Pioneering stage of primary succession on moraines	No description available.
Yes	18	pioneering stage of primary succession: obsolete. pioneering stage of primary succession on flood plains	Pioneering stage of primary succession: Obsolete. Pioneering stage of primary succession on flood plains	No description available.
Yes	62	plant association of pond/fen/bog succession	Plant association of pond/fen/bog succession	No description available.
Yes	83	beaver impacted site and vegetation	Beaver impacted site and vegetation	No description available.
Yes	84	climax plant community	Climax plant community	No description available.
Yes	85	climax plant community on drier microsites	Climax plant community on drier microsites	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	86	climax plant community on wetter microsites	Climax plant community on wetter microsites	No description available.
Yes	87	post climax plant community	Post climax plant community	No description available.
Yes	89	non-permafrost plant association	Non-permafrost plant association	No description available.
Yes	90	obsolete. riparian plant association	Obsolete. Riparian plant association	No description available.

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Domain Description: Added for NASIS 7.2. It is a system used to describe the stage or status that a site's ecological community is in. This domain is only used in Alaska.

## NASIS 7.4.2 Domains

Domain Name: ak\_functional\_group

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	forbs	Forbs	No description available.
No	2	graminoids	Graminoids	No description available.
No	3	foliose and fruticose lichens	Foliose and fruticose lichens	No description available.
No	4	crustose and soil crust lichens	Crustose and soil crust lichens	No description available.
No	5	mosses	Mosses	No description available.
No	6	liverworts	Liverworts	No description available.
No	7	shrubs and tree regeneration	Shrubs and tree regeneration	No description available.

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Domain Description: Added for NASIS 7.2. It is a system used to describe the functional group the plant is in. This domain is only used in Alaska.

## NASIS 7.4.2 Domains

Domain Name: ak\_grazing\_impact

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	slight use	Slight use	Shrub hedging slight to none; forage plants lightly to moderately grazed
No	2	moderate use	Moderate use	Shrubs moderately hedged; forage plants closely cropped
No	3	severe use	Severe use	Shrubs severely hedged; forage plants grubbed; trampling or other damage evident
No	4	unknown	Unknown	No description available.

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Domain Description: Added for NASIS 7.3. AK Grazing Impact Class is a state specific attribute that captures the impact upon the site of a recorded use\_frequency class. The impact class domain would use the choices of GRAZING USE in AK SITE. Proposed to be added to the Plot\_Grazing\_Use table as a choice field. Used only in Alaska. Down the road, this difference between frequency of use and impact of a specific frequency may become more widely accepted and that might mean the state specific impact class would be converted to a nationally used impact class.

## NASIS 7.4.2 Domains

Domain Name: ak\_grazing\_plant\_group

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	forbs, ferns, and horsetails	Forbs, ferns, and horsetails	No description available.
No	2	grasses and sedges	Grasses and sedges	No description available.
No	3	lichens	Lichens	No description available.
No	4	mosses	Mosses	No description available.
No	5	other	Other	No description available.
No	6	other woody plants	Other woody plants	No description available.
No	7	tree regeneration	Tree regeneration	No description available.
No	8	willows	Willows	No description available.

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Domain Description: Added for NASIS 7.2. 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. Used only in Alaska.

## NASIS 7.4.2 Domains

Domain Name: ak\_stratum\_cover\_class

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	low and dwarf forb generally less than 10 cm (4 in) tall	Low and dwarf forb generally less than 10 cm (4 in) tall	No description available.
No	2	medium forb between about 10 and 60 cm (4 and 24 in) tall	Medium forb between about 10 and 60 cm (4 and 24 in) tall	No description available.
No	3	tall forb generally greater than 60 cm (24 in) tall	Tall forb generally greater than 60 cm (24 in) tall	No description available.
No	4	low and dwarf graminoid less than about 10 cm (4 in) tall	Low and dwarf graminoid less than about 10 cm (4 in) tall	No description available.
No	5	medium graminoid between about 10 and 60 cm (4 and 24 in) tall	Medium graminoid between about 10 and 60 cm (4 and 24 in) tall	No description available.
No	6	tall graminoid generally greater than 60 cm (24 in) tall	Tall graminoid generally greater than 60 cm (24 in) tall	No description available.
No	7	dwarf shrub layer less than about 20 cm (8 in) tall	Dwarf shrub layer less than about 20 cm (8 in) tall	No description available.
No	8	low shrub between about 20 and 100 cm (8 and 36 in) tall	Low shrub between about 20 and 100 cm (8 and 36 in) tall	No description available.
No	9	medium shrub between about 1 and 3 m (3 and 10 ft) tall	Medium shrub between about 1 and 3 m (3 and 10 ft) tall	No description available.
No	10	tall shrub greater than about 3 m (10 ft) tall	Tall shrub greater than about 3 m (10 ft) tall	No description available.
No	11	medium tree generally between 4.5 and 12 m (15 and 40 ft) tall	Medium tree generally between 4.5 and 12 m (15 and 40 ft) tall	No description available.



Obsolete?	ID	Data Entry Text	Label Text	Description
No	12	tree regeneration generally less than 4.5 m (15 ft) tall	Tree regeneration generally less than 4.5 m (15 ft) tall	No description available.
No	13	stunted tree generally less than 4.5 m (15 ft) tall	Stunted tree generally less than 4.5 m (15 ft) tall	No description available.
No	14	tall tree generally greater than 12 m (40 ft) tall	Tall tree generally greater than 12 m (40 ft) tall	No description available.
No	15	mosses	Mosses	No description available.
No	16	liverworts	Liverworts	No description available.
No	17	arboreal mosses and liverworts	Arboreal mosses and liverworts	No description available.
No	18	fungi, substrate not specified	Fungi, substrate not specified	No description available.
No	19	fungi, on ground	Fungi, on ground	No description available.
No	20	fungi, on wood	Fungi, on wood	No description available.
No	21	foliose and fruticose lichens	Foliose and fruticose lichens	No description available.
No	22	crustose and soil crust lichens	Crustose and soil crust lichens	No description available.
No	23	arboreal lichens	Arboreal lichens	No description available.

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Domain Description: Added for NASIS 7.2. It is a system used to describe the general life form and/or horizontal layer. This domain is only used in Alaska.

## NASIS 7.4.2 Domains

Domain Name: alkaline\_saline\_indicator

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	neither	Neither	No description available.
No	2	alkaline	Alkaline	No description available.
No	3	saline	Saline	No description available.

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Domain Description: An indicator as to whether the soil is alkaline, saline, or neither, within the upper 18 inches of the soil profile.

## NASIS 7.4.2 Domains

Domain Name: animal\_kind

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	antelope	Antelope	No description available.
No	2	deer	Deer	No description available.
No	3	bison	Bison	No description available.
No	4	cattle	Cattle	No description available.
No	5	elk	Elk	No description available.
No	6	goats	Goats	No description available.
No	7	horses and mules	Horses and mules	No description available.
No	8	sheep	Sheep	No description available.
No	9	other	Other	No description available.
No	10	unknown	Unknown	No description available.
No	11	blacktail deer	Blacktail deer	No description available.
No	12	mountain goats	Mountain goats	No description available.
No	13	lagomorphs (rabbits, hares)	Lagomorphs (rabbits, hares)	No description available.
No	14	moose	Moose	No description available.
No	15	caribou	Caribou	No description available.
No	16	reindeer	Reindeer	No description available.
No	17	dall sheep	Dall sheep	No description available.
No	18	muskoxen	Muskoxen	No description available.
No	19	bear	Bear	No description available.

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Domain Description: Generic animal kind that grazes or browses the vegetation being described.

## NASIS 7.4.2 Domains

Domain Name: area\_text\_kind

Obsolete?	ID	Data Entry Text	Label Text	Description
No	4	miscellaneous notes	Miscellaneous notes	Text entries not related to any of the other choices.
No	6	edit notes	Edit notes	Text entries that describe what changes were made to the data and why those changes were made.
Yes	1	nontechnical description	Nontechnical description	No description available.
Yes	2	s5 description	SOI5 description	No description available.
Yes	3	correlation notes	Correlation notes	No description available.
Yes	5	certification notes	Certification notes	Indicates records that contain notes related to certification of data objects. Typically, data elements certified in the object are listed in the text attached to this record.

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Domain Description: The kind of text note used to record additional information about the area in which the inventory/sampling takes place.

## NASIS 7.4.2 Domains

Domain Name: assessment\_method

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	estimated	Estimated	Estimated without actual field measurements.
No	2	measured	Measured	Actual field measurements were used.

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Domain Description: Generic term describing the assessment, either estimated or measured.

## NASIS 7.4.2 Domains

Domain Name: atterberg\_sample\_condition

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	air dry	Air dry	No description available.
No	2	field moist	Field moist	No description available.

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Domain Description: The condition of a soil sample being analyzed for Liquid Limit and Plasticity Limit.

## NASIS 7.4.2 Domains

Domain Name: basal\_area\_factor

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	5	5	Reference: National Forestry Handbook, 636.35.
No	2	10	10	Reference: National Forestry Handbook, 636.35.
No	3	20	20	Reference: National Forestry Handbook, 636.35.
No	4	30	30	Reference: National Forestry Handbook, 636.35.
No	5	40	40	Reference: National Forestry Handbook, 636.35.
No	6	15	15	No description available.
No	7	25	25	No description available.
No	8	35	35	No description available.
No	9	50	50	No description available.
No	10	60	60	No description available.
No	11	70	70	No description available.
No	12	80	80	No description available.

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Domain Description: The conversion factor used to compute total basal area for the site. The value chosen is dependent upon the tool used in the field. If the prism tool is used then: The diopter of the prism determines the prisms basal area factor (BAF). The most commonly used prisms are those with a BAF between 5 and 40. The larger the average diameter of the stand to be measured, the larger the BAF used. The smaller the average diameter, or the more open the stand, the smaller the BAF used. Reference: National Forestry Handbook, 636.35.

## NASIS 7.4.2 Domains

Domain Name: bedrock\_fracture\_interval\_class

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	<10	< 10 cm between fractures	< 10 cm between fractures.
No	2	10 to <45	10 to < 45 cm between fractures	10 to <45 cm between fractures.
No	3	45 to <100	45 to < 100 cm between fractures	45 to <100 cm between fractures.
No	4	100 to <200	100 to < 200 cm between fractures	100 to <200 cm between fractures.
No	5	=>200	=> 200 cm between fractures	>= 200 cm between fractures.

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Domain Description: The dominant (average) horizontal spacing between vertical joints (geogenic cracks or seams) in the bedrock layer. Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012.



## NASIS 7.4.2 Domains

Domain Name: bedrock\_kind

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	sandstone, unspecified	Sandstone	Sedimentary rock containing dominantly sand-size clastic particles.
No	3	arkose	Arkose	No description available.
No	4	sandstone, calcareous	Calcareous sandstone	No description available.
No	6	limestone, sandstone, and shale	Limestone, sandstone, and shale	No description available.
No	7	limestone and sandstone	Limestone and sandstone	No description available.
No	8	limestone and shale	Limestone and shale	No description available.
No	9	limestone and siltstone	Limestone and siltstone	No description available.
No	10	sandstone and shale	Sandstone and shale	No description available.
No	11	sandstone and siltstone	Sandstone and siltstone	No description available.
No	12	shale and siltstone	Shale and siltstone	No description available.
No	13	conglomerate, unspecified	Conglomerate	No description available.
No	15	conglomerate, calcareous	Calcareous conglomerate	A coarse-grained, clastic sedimentary rock composed of rounded to subangular rock fragments larger than 2 mm, commonly with a matrix of sand and finer material; cements include silica, calcium carbonate, and iron oxides. The consolidated equivalent of gravel.
No	22	pumice	Pumice	A light-colored, vesicular, glassy rock commonly having the composition of rhyolite. It commonly has a specific gravity of < 1.0 and is thereby sufficiently buoyant to float on water. Compare - scoria, tephra.
No	23	scoria	Scoria	Vesicular, cindery crust or bomb-sized fragments of such material on the surface of andesitic or basaltic lava, the vesicular nature of which is due to the escape of volcanic gases before solidification; it is usually heavier, darker, and more crystalline than pumice. Synonym - cinder. Compare - pumice, tephra.
No	25	shale, unspecified	Shale	Sedimentary rock formed by induration of a clay, silty clay, or silty clay loam deposit and having the tendency to split into thin layers, i.e., fissility.
No	27	shale, calcareous	Calcareous shale	No description available.
No	28	shale, clayey	Clayey shale	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	29	igneous, unspecified	Igneous rock	Rock formed by cooling and solidification from magma, and that has not been changed appreciably by weathering since its formation; major varieties include plutonic and volcanic rocks. Examples: andesite, basalt, granite. Compare - intrusive, extrusive, metamorphic rock, sedimentary.
No	33	granite	Granite	No description available.
No	35	basalt	Basalt	No description available.
No	36	andesite	Andesite	No description available.
No	39	limestone, unspecified	Limestone	A sedimentary rock consisting chiefly (more than 50 percent) of calcium carbonate, primarily in the form of calcite. Limestones are usually formed by a combination of organic and inorganic processes and include chemical and clastic (soluble and insoluble) constituents; many contain fossils.
No	40	chalk	Chalk	No description available.
No	41	marble	Marble	No description available.
No	42	dolomite (dolostone)	Dolomite	A carbonate sedimentary rock consisting chiefly (more than 50 percent by weight or by areal percentages under the microscope) of the mineral dolomite.
No	43	limestone, phosphatic	Phosphatic limestone	No description available.
No	44	limestone, arenaceous	Arenaceous limestone	No description available.
No	45	limestone, argillaceous	Argillaceous limestone	No description available.
No	46	limestone, cherty	Cherty limestone	No description available.
No	48	gneiss	Gneiss	No description available.
No	51	serpentine	Serpentine	No description available.
No	52	schist, unspecified	Schist	No description available.
No	55	slate	Slate	No description available.
No	56	quartzite	Quartzite	No description available.
No	57	pyroclastic (consolidated)	Pyroclastic rock	No description available.
No	58	tuff, unspecified	Tuff	A compacted deposit that is 50 percent or more volcanic ash and dust.
No	59	tuff, acidic	Acidic tuff	No description available.
No	60	tuff, basic	Basic tuff	No description available.
No	61	volcanic breccia, unspecified	Volcanic breccia	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	62	volcanic breccia, acidic	Acidic volcanic breccia	No description available.
No	63	volcanic breccia, basic	Basic volcanic breccia	No description available.
No	64	tuff breccia	Tuff breccia	No description available.
No	65	aa lava	Aa lava	A type of basaltic lava (material) having a rough, jagged, clinkery surface and a vesicular interior. Compare - block lava, pahoehoe lava, pillow lava.
No	66	pahoehoe lava	Pahoehoe lava	A type of basaltic lava (material) with a characteristically smooth, billowy or rope-like surface and vesicular interior. Compare - `a`a lava, block lava, pillow lava.
No	70	siltstone, unspecified	Siltstone	Sedimentary rock containing dominantly silt-size clastic particles.
No	72	siltstone, calcareous	Calcareous siltstone	No description available.
No	80	diorite	Diorite	No description available.
No	81	gabbro	Gabbro	No description available.
No	82	obsidian	Obsidian	No description available.
No	83	rhyolite	Rhyolite	No description available.
No	84	hornfels	Hornfels	No description available.
No	85	metaconglomerate	Metaconglomerate	No description available.
No	86	phyllite	Phyllite	No description available.
No	87	coal	Coal	No description available.
No	88	graywacke	Graywacke	No description available.
No	89	gypsum, rock	Rock gypsum	A sedimentary rock (evaporite) composed primarily of mineral gypsum ( $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$ ). The rock is generally massive, ranges from coarse crystalline to fine granular, may show disturbed bedding due to hydration expansion of parent anhydrite (anhydrous $\text{CaSO}_4$ ), and may exhibit rhythmic sedimentation (rhymites). Compare - gypsite. GG
No	90	shale, acid	Acid shale	No description available.
No	91	porcellanite	Porcellanite	An indurated or baked clay or shale with a dull, light-colored, cherty appearance, often found in the roof or floor of a burned-out coal seam.
No	92	dacite	Dacite	No description available.
No	93	latite	Latite	No description available.
No	94	trachyte	Trachyte	No description available.
No	95	diabase	Diabase	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	96	granodiorite	Granodiorite	No description available.
No	97	monzonite	Monzonite	No description available.
No	98	peridotite	Peridotite	No description available.
No	99	pyroxenite	Pyroxenite	No description available.
No	100	syenite	Syenite	No description available.
No	101	syenodiorite	Syenodiorite	No description available.
No	102	amphibolite	Amphibolite	No description available.
No	103	granofels	Granofels	No description available.
No	104	greenstone	Greenstone	No description available.
No	105	metaquartzite	Metaquartzite	No description available.
No	106	metavolcanics	Metavolcanics	No description available.
No	107	mylonite	Mylonite	No description available.
No	108	arenite	Arenite	No description available.
No	109	claystone	Claystone	No description available.
No	110	mudstone	Mudstone	<p>a) a blocky or massive, fine-grained sedimentary rock in which the proportions of clay and silt are approximately equal b) A general term that includes clay, silt, claystone, siltstone, shale, and argillite, and that should be used only when the amounts of clay and silt are not known or cannot be precisely identified.</p>
No	111	chert	Chert	<p>A hard, extremely dense or compact, dull to semivitreous, cryptocrystalline sedimentary rock, consisting dominantly of interlocking crystals of quartz less than about 30 mm in diameter; it may contain amorphous silica (opal). It sometimes contains impurities such as calcite, iron oxide, or the remains of silicious and other organisms. It has a tough, splintery to conchoidal fracture and may be white or variously colored gray, green, blue, pink, red, yellow, brown, and black. Chert occurs principally as nodular or concretionary segregations in limestones and dolomites.</p>
No	112	travertine	Travertine	No description available.
No	113	tufa	Tufa	No description available.
No	114	ignimbrite	Ignimbrite	No description available.
No	115	breccia, non-volcanic	Non-volcanic breccia	No description available.
No	116	granulite	Granulite	No description available.
No	117	migmatite	Migmatite	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	118	soapstone	Soapstone	No description available.
No	119	argillite	Argillite	No description available.
No	120	orthoquartzite	Orthoquartzite	No description available.
No	121	anorthosite	Anorthosite	No description available.
No	122	breccia, non-volcanic, acidic	Acidic Non-volcanic breccia	No description available.
No	123	breccia, non-volcanic, basic	Basic Non-volcanic breccia	No description available.
No	124	fanglomerate	Fanglomerate	No description available.
No	125	metasedimentary rock, unspecified	Metasedimentary rock	No description available.
No	126	schist, mica	Mica schist	No description available.
No	127	quartz-diorite	Quartz-diorite	No description available.
No	128	quartz-monzonite	Quartz-monzonite	No description available.
No	129	tachylite	Tachylite	No description available.
No	130	tonalite	Tonalite	No description available.
No	131	ultramafic, unspecified	Ultramafic rock	No description available.
No	132	tuff, welded	Welded tuff	No description available.
No	133	sandstone, volcanic	Volcanic sandstone	No description available.
No	134	block lava	Block lava	Lava having a surface of angular blocks; it is similar to a'a lava but the fragments are larger and more regular in shape, somewhat smoother, and less vesicular. Compare - `a`a lava, pahoehoe lava, pillow lava.
No	135	pillow lava	Pillow lava	A general term for lava displaying pillow structure (discontinuous, close-fitting, bun-shaped or ellipsoidal masses, generally < 1 m in diameter); considered to have formed in a subaqueous environment; such lava is usually basaltic or andesitic. Compare - `a`a lava, block lava, pahoehoe lava.
No	136	sandstone, glauconitic	Glauconitic sandstone	No description available.
No	137	tripoli	Tripoli	A light-colored, porous, friable, siliceous (largely chalcedonic) sedimentary rock, which occurs in powdery or earthy masses that result from the weathering of siliceous limestone. It has a harsh, rough feel and is used to polish metals and stones.
No	138	gneiss, biotite	Biotite gneiss	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	139	gneiss, granodioritic	Granodioritic gneiss	No description available.
No	140	gneiss, hornblende	Hornblende gneiss	No description available.
No	141	metasiltstone	Metasiltstone	No description available.
No	142	gneiss, migmatitic	Migmatitic gneiss	No description available.
No	143	gneiss, muscovite-biotite	Muscovite-biotite gneiss	No description available.
No	144	schist, graphitic	Graphitic schist	No description available.
No	145	slate, sulfidic	Sulfidic slate	No description available.
No	146	granitoid	Granitoid	a) In the IUGS classification, a preliminary term for (for field use) for a plutonic rock with Q (quartz) between 20 and 40 (%). b) A general term for all phaneritic igneous rocks (mineral crystals visible unaided and all about the same size) dominated by quartz and feldspars.
No	147	bauxite	Bauxite	An off-white to dark red brown weathered detritus or rock composed of aluminum oxides (mainly gibbsite with some boehmite and diaspore), iron hydroxides, silica, silt, and especially clay minerals. Bauxite originates in tropical and subtropical environments as highly weathered residue from carbonate or silicate rocks and can occur in concretionary, earthy, pisolitic or oolitic forms. SW & GG
No	148	limestone, coral	Coral limestone	An informal term for massive limestone composed primarily of coral and coral fragments commonly associated with marine islands or coral reefs in tropical or subtropical waters. Compare - coral island. SW
No	149	anhydrite, rock	Rock anhydrite	A sedimentary rock (evaporite) composed chiefly of mineral anhydrite (anhydrous CaSO <sub>4</sub> ); The rock is generally massive, cryptocrystalline, and may exhibit rhythmic sedimentation (rhymites). Compare - rock gypsum, rock halite. SW
No	150	halite, rock	Rock halite	A sedimentary rock (evaporite) composed primarily of halite (NaCl). SW
No	151	novaculite	Novaculite	A dense, extremely finely grained, even-textured, siliceous, sedimentary rock similar to chert. It is hard, white to grayish-black in color, translucent on thin edges, has a dull to waxy luster, and displays smooth conchoidal fracture when broken. Novaculite principally occurs in the Marathon Uplift of Texas and Ouachita Mountains of Arkansas and Oklahoma where it forms erosion resistant ridges. Novaculite appears to form from chert recrystallization with microcrystalline quartz dominant over cryptocrystalline chalcedony. At the Ouachita Mountains type occurrence, novaculite formed by low-grade, thermal metamorphism of bedded chert. Novaculite is commercially quarried as a whetstone or oilstone. Compare - chert. GG & SW

Obsolete?	ID	Data Entry Text	Label Text	Description
No	152	siltite	Siltite	A compact, weakly metamorphosed rock formed by alteration of siltstone, mudstone, or silty shale. Siltite is more indurated than mudstone or shale and lacks either shale fissility or slate-like cleavage. Siltite differs from argillite in that silt-size grains (0.002 to 0.062 mm) rather than clay-size (<0.002 mm) dominate the matrix. Siltite differs from siltstone, mudstone, or shale in that it exhibits very low to low grade metamorphic or diagenetic layer silicate and feldspar alteration to sericite, chlorite, and albite (subgreenschist to greenschist metamorphic facies) (Maxwell, 1973; Kidder, 1987).
No	153	schist, biotite	Biotite schist	A strongly foliated crystalline rock formed by dynamic metamorphism that has well-developed parallelism of more than 50 percent of the minerals present, primarily biotite.
No	154	schist, muscovite	Muscovite schist	A strongly foliated crystalline rock formed by dynamic metamorphism that has well-developed parallelism of more than 50 percent of the minerals present, primarily muscovite.
No	155	limonite	Limonite	A general 'field' term for various brown to yellowish brown, amorphous- to-cryptocrystalline hydrous ferric oxides that are an undetermined mixture of goethite, hematite, and lepidocrocite formed by weathering and iron oxidation from iron-bearing, rocks and minerals. SW & GG
No	156	schist, sericite	Sericite schist	A strongly foliated crystalline rock formed by dynamic metamorphism that has well-developed parallelism of more than 50 percent of the minerals present, primarily sericite. A fine-grained muscovite
No	157	diatomite	Diatomite	A light-colored, soft, siliceous sedimentary rock consisting chiefly of opaline diatom frustules deposited in a lacustrine or marine environment. Diatomite has a number of uses owing to its high surface area, absorptive capacity, and relative chemical stability but the term is generally reserved for deposits of actual or potential commercial value.
Yes	2	sandstone, noncalcareous	Noncalcareous sandstone	No description available.
Yes	5	interbedded sedimentary	Interbedded sedimentary rock	No description available.
Yes	14	conglomerate, noncalcareous	Noncalcareous conglomerate	A coarse-grained, clastic sedimentary rock composed of rounded to subangular rock fragments larger than 2 mm, commonly with a matrix of sand and finer material; cements include silica, calcium carbonate, and iron oxides. The consolidated equivalent of gravel.
Yes	16	ejecta-ash	Ejecta-ash	Unconsolidated, pyroclastic material less than 2 mm in all dimensions. Commonly called "volcanic ash". Compare - block [volcanic], cinders, lapilli, tephra.
Yes	17	acidic-ash	Acidic-ash	No description available.
Yes	18	basic-ash	Basic-ash	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	19	basaltic-ash	Basaltic-ash	No description available.
Yes	20	andesitic-ash	Andesitic-ash	No description available.
Yes	21	cinders	Cinders	Uncemented vitric, vesicular, pyroclastic material, more than 2.0 mm in at least one dimension, with an apparent specific gravity (including vesicles) of more than 1.0 and less than 2.0. Compare - ash [volcanic], block [volcanic], lapilli, tephra. KST
Yes	24	volcanic bombs	Volcanic bombs	No description available.
Yes	26	shale, noncalcareous	Noncalcareous shale	No description available.
Yes	30	igneous, coarse crystal	Coarse igneous crystal	No description available.
Yes	31	igneous, basic	Basic igneous rock	No description available.
Yes	32	igneous, intermediate	Intermediate igneous rock	No description available.
Yes	34	igneous, fine crystal	Fine igneous crystal	No description available.
Yes	37	igneous, acid	Acid igneous rock	No description available.
Yes	38	igneous, ultrabasic	Ultrabasic igneous rock	No description available.
Yes	47	metamorphic, unspecified	Metamorphic rock	- Rock of any origin altered in mineralogical composition, chemical composition, or structure by heat, pressure, and movement at depth in the earth's crust. Nearly all such rocks are crystalline. Examples: schist, gneiss, quartzite, slate, marble.
Yes	49	gneiss-acidic	Gneiss-acidic	No description available.
Yes	50	gneiss-basic	Gneiss-basic	No description available.
Yes	53	schist, acidic	Acidic schist	No description available.
Yes	54	schist, basic	Basic schist	No description available.
Yes	67	sedimentary, unspecified	Sedimentary rock	A consolidated deposit of clastic particles, chemical precipitates, and organic remains accumulated at or near the surface of the earth under "normal" low temperature and pressure conditions. Sedimentary rocks include consolidated equivalents of alluvium, colluvium, drift, and eolian, lacustrine, marine deposits; e.g., sandstone, siltstone, mudstone, clay-stone, shale, conglomerate, limestone, dolomite, coal, etc. Compare - sediment.
Yes	68	marl	Marl	An earthy, unconsolidated deposit consisting chiefly of calcium carbonate mixed with clay in approximately equal proportions (35 to 65 percent of each); formed primarily under freshwater lacustrine conditions, but varieties associated with more saline environments also occur.



Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	69	glauconite	Glauconite	No description available.
Yes	71	siltstone, noncalcareous	Noncalcareous siltstone	No description available.
Yes	73	mixed	Mixed	No description available.
Yes	74	mixed-noncalcareous	Mixed noncalcareous	No description available.
Yes	75	mixed-calcareous	Mixed calcareous	No description available.
Yes	76	mixed-igneous-metamorphic and sedimentary	Mixed igneous, metamorphic and sedimentary	No description available.
Yes	77	mixed-igneous and metamorphic	Mixed igneous and metamorphic	No description available.
Yes	78	mixed-igneous and sedimentary	Mixed igneous and sedimentary	No description available.
Yes	79	mixed-metamorphic and sedimentary	Mixed metamorphic and sedimentary	No description available.

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Domain Description: The nature of the continuous hard rock underlying the soil. Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012.

## NASIS 7.4.2 Domains

Domain Name: biological\_crust\_type

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	algae	Algae	Reference: Field Guide to Classify Biological Soil Crusts for Ecological Site Evaluation. N. Pietrasiak, PhD.
No	2	cyanobacteria	Cyanobacteria	Reference: Field Guide to Classify Biological Soil Crusts for Ecological Site Evaluation. N. Pietrasiak, PhD.
No	3	lichen	Lichen	Reference: Field Guide to Classify Biological Soil Crusts for Ecological Site Evaluation. N. Pietrasiak, PhD.
No	4	liverworts	Liverworts	Reference: Field Guide to Classify Biological Soil Crusts for Ecological Site Evaluation. N. Pietrasiak, PhD.
No	5	moss	Moss	Reference: Field Guide to Classify Biological Soil Crusts for Ecological Site Evaluation. N. Pietrasiak, PhD.
No	6	none evident	None evident	Reference: Field Guide to Classify Biological Soil Crusts for Ecological Site Evaluation. N. Pietrasiak, PhD.

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Domain Description: Biological crust types are described, generally, as surface crusts with one or more different living biological components. The Field Guide to Classify Biological Soil Crusts for Ecological Site Evaluation. N. Pietrasiak, PhD. Provides a dichotomous key to different crust types, including biological crust types. The biological crust types, as described in the reference, vary widely in composition and the effects they have on the ecology of the site. Our main interest in differentiating biological crust types is the determination of the biological component. i.e. algae, lichen, fungi, bryophytes, etc.

## NASIS 7.4.2 Domains

Domain Name: bottom\_type

Obsolete?	ID	Data Entry Text	Label Text	Description
No	4	very stony/bouldery	Very stony/bouldery	3 to <15 % cover with fragments > 250 mm in size
No	5	stony/bouldery	Stony/bouldery	0.1 to <0.1 % of surface cover with fragments > 250 mm in size
No	6	rubbly	Rubbly	A bottom substantially covered (15 to <50% surface cover) by large coarse fragments of various sizes.
No	7	very rubbly	Very Rubbly	>= 50 cover with fragments >250 mm in size.
No	10	very gravelly/cobbly	Very gravelly/cobbly	A bottom partially covered by gravel or cobbles (0.1 to <3% surface cover).
No	12	fine unconsolidated mineral substrate - fine	Fine unconsolidated mineral substrate - fine	Soil surface layer with textures of coarse sandy loam or finer. These areas are very fluid muds and / or thin oxidized surface muds. Less than 5% cover of rock fragments. Ref: Definitions modified from CMECS Substrate Classification (FGDC, 2012).
No	13	fine unconsolidated mineral substrate - sand	Fine unconsolidated mineral substrate - sand	Soil surface layer with textures of loamy very fine sand and coarser. These areas are bare sands, thin oxidized surfaces of sands, and / or ripple sand bedforms. Less than 5% cover of rock fragments. Ref: Definitions modified from CMECS Substrate Classification (FGDC, 2012)
No	14	coarse unconsolidated mineral substrate - gravel/cobble	Coarse unconsolidated mineral substrate - gravel/cobble	>= 5% surface cover with fragments 2 to 250 mm in size. Ref: Definitions modified from CMECS Substrate Classification (FGDC, 2012)
No	15	coarse unconsolidated mineral substrate - very gravelly/cobbly	Coarse unconsolidated mineral substrate - very gravelly/cobbly	5 to 50% surface cover with fragments 2 to 250 mm in size. Ref: Definitions modified from CMECS Substrate Classification (FGDC, 2012)
No	16	coarse unconsolidated mineral substrate - extremely gravelly or cobbly	Coarse unconsolidated mineral substrate - extremely gravelly or cobbly	>=50 surface cover with fragments 2 to 250 mm in size. Ref: Definitions modified from CMECS Substrate Classification (FGDC, 2012)
No	17	bedrock	Bedrock	substrate with mostly continuous formations of bedrock that cover 50% or more of the substrate surface. Ref: Definitions modified from CMECS Substrate Classification (FGDC, 2012)
No	18	shell substrate	Shell substrate	A biogenic substrate that is primarily composed of shells or shell particles (clams, mussels, oysters, and or scallops). The shells could also consist of non-living mollusks. This substrate could consist of attached oysters, mussels, clam beds or scallop beds. Ref: Definitions modified from CMECS Substrate Classification (FGDC, 2012)

Obsolete?	ID	Data Entry Text	Label Text	Description
No	19	algal substrate	Algal substrate	Substrate composed of algae in various states of decomposition or growth. Examples include macroalgae and attached sponges. Ref: Definitions modified from CMECS Substrate Classification (FGDC, 2012)
No	20	coral substrate	Coral substrate	Non-living coral reefs (or coral particles) constitute this benthic substrate; the substrate may or may not be inhabited by live corals. Ref: Definitions modified from CMECS Substrate Classification (FGDC, 2012)
No	21	organic substrate	Organic substrate	Substrate is primarily composed of non-living organic material, likely a former tidal marsh platform. Ref: Definitions modified from CMECS Substrate Classification (FGDC, 2012)
No	22	sub-aquatic vegetated substrate	Sub-aquatic vegetated substrate	A vegetated substrate composed of sub-aquatic species. The vegetated coverage should be estimated and the species identified (Zostera, Ruppia, Halodule, Halophila, Thalassia, etc.). Ref: Definitions modified from CMECS Substrate Classification (FGDC, 2012)
No	23	worm substrate	Worm substrate	A biogenic substrate that is primarily composed of the cemented or conglomerated (fine or sandy) tubes of polychaetes or other worm-like fauna. Ref: Definitions modified from CMECS Substrate Classification (FGDC, 2012)
No	24	anthropogenic substrate	Anthropogenic substrate	A substrate primarily composed of mineral or manufactured materials that were purposefully or accidentally deposited by humans. Examples include artificial reefs, dredge deposits, stone or breakwater materials, etc.). Ref: Definitions modified from CMECS Substrate Classification (FGDC, 2012)
Yes	1	bare mud	Bare mud	A silty, clayey or organic bottom matrix, with little or no aquatic vegetation or algae.
Yes	2	bare sand	Bare sand	A sandy bottom matrix, with little or no aquatic vegetation or algae.
Yes	3	extremely stony/bouldery	Extreme stony/bouldery	A bottom dominated (3 to <15% surface cover) by boulders (or stones).
Yes	8	shelly	Shelly	A bottom dominated by aquatic shells or shell fragments.
Yes	9	extremely gravelly or cobbly	Extremely gravelly/cobbly	a bottom dominated (3 to <15% surface cover) by gravel or cobbles.
Yes	11	gravelly/cobbly	Gravelly/cobbly	A bottom partially covered by gravel or cobbles(0.01 to <0.1% surface cover).

Domain Description: Describes the general fine earth fraction of the bottom and the amount and kind of fragments found on the bottom of lakes, rivers, ponds, tidal zones, etc. in conjunction with any subaqueous vegetation present. The bottom types in NASIS have been used in coastal SAS mapping. Other types exist and should be added as necessary. A formal ecologically based substrate array is found in the Coastal and Marine Ecological Classification Standard (Federal Geographic Data Committee, 2012).

## NASIS 7.4.2 Domains

Domain Name: boundary\_distinctness

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	abrupt	Abrupt	Transitional zone is 0.5 to <2 cm thick.
No	2	clear	Clear	Transitional zone is 2 to <5 cm thick.
No	3	diffuse	Diffuse	Transitional zone is =>15 cm thick.
No	4	gradual	Gradual	Transitional zone is 5 to <15 cm thick.
No	5	very abrupt	Very abrupt	Transitional zone is less than 0.5 cm thick.

---

Domain Description: Distinctness refers to the thickness of the zone within which the boundary can be located. The distinctness of a boundary depends partly on the degree of contrast between the adjacent layers and partly on the thickness of the transitional zone between them. Distinctness is defined in terms of thickness of the transitional zone. Reference: Soil Survey Manual

## NASIS 7.4.2 Domains

Domain Name: boundary\_topography

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	broken	Broken	One or both of the horizons or layers separated by the boundary are discontinuous and the boundary is interrupted.
No	2	irregular	Irregular	The boudary has pockets that are deeper than they are wide. (SSM)
No	3	smooth	Smooth	The boundary is planar with few or no irregularities. (SSM)
No	4	wavy	Wavy	The boundary has undulations in which depressions are wider than they are deep. (SSM)

---

Domain Description: Topography refers to the irregularities of the surface that divides the horizons. Even though soil layers are commonly seen in vertical section, they are three-dimensional. Reference: Soil Survey Manual

## NASIS 7.4.2 Domains

Domain Name: bulk\_density\_method

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	compliant cavity	Compliant cavity	Sample is collected by excavating a hole or cavity in the layer sampled, volume is determined by measuring volume of water needed to fill the cavity.
No	2	core, constant volume	Constant volume core	Sample is collected by pressing a cylinder of known volume into the soil until it is full.
No	3	core, variable volume	Variable volume core	Sample is collected by pressing a cylinder of known dimensions into the soil, the space filled by the soil is measured and the volume of the sample calculated.
No	4	hydraulic probe	Hydraulic probe	Sample is collected with a cylinder of known radius by hydraulic (machine powered) probed. Depth segments of interest are cut by knife giving a known volume of soil sampled.
No	5	ring	Ring	Sample is collected by excavating a hole or cavity within a ring, volume is determined by measuring the distance from the top of the ring before and after sampling.
No	6	scoop	Scoop	Sample is collected by pressing a rectangular scoop with one missing side sideways into a profile face. Any space at the top of the sample is measured and the volume is calculated.
No	7	not applicable	Not applicable	To be used when no bulk density sample is taken, therefore volume of the sample cannot be determined.
No	8	3D scanner	3D scanner	The sample clod's volume is determined by using an optical scanner.

Domain Description: The choices for this domain are methods of obtaining a known volume of soil sample for analysis by the lab.

## NASIS 7.4.2 Domains

Domain Name: burn\_frequency

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	never	Never	No description available.
No	2	once per 1 to 5 years	Once per 1 to 5 years	No description available.
No	3	once per 6 to 10 years	Once per 6 to 10 years	No description available.
No	4	once per 11 to 25 years	Once per 11 to 25 years	No description available.
No	5	more than 25 years between burns	More than 25 years between burns	No description available.

---

Domain Description: No description available.



## NASIS 7.4.2 Domains

Domain Name: burn\_intensity

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	low intensity, ground or light surface fire	Low Intensity, Ground Or Light Surface Fire	catastrophic, tree kill
No	2	moderate intensity, surface fire	Moderate Intensity, Surface Fire	shrubs, significant tree stand thinning
No	3	high intensity, crown fire	High Intensity, Crown Fire	grass, fine fuels, minimal tree mortality

---

Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: calculation\_text\_kind

Obsolete?	ID	Data Entry Text	Label Text	Description
No	4	miscellaneous notes	Miscellaneous notes	Text entries not related to any of the other choices.
No	6	edit notes	Edit notes	Text entries that describe what changes were made to the data, and why those changes were made.

---

Domain Description: The kind of text note used to record additional information about the calculation being made.

## NASIS 7.4.2 Domains

Domain Name: calculation\_type

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	C	Calculation	A procedure that calculates the value(s) of one or more elements from the value(s) of other elements. mnemonic=CALCT_CALCULATE
No	2	V	Validation	A procedure the only checks consistency between the values of different data elements, and reports any inconsistencies. mnemonic=CALCT_VALIDATE

---

Domain Description: Calculations in NASIS are of two types; one that incorporates other data elements as parameters to calculate a value for a data element that can either be measured directly but for some reason was not collected at the time of the description or for a data element that can only be inferred, i.e. not directly measured. The other type of calculation is a validation. Validations use other data elements as input parameters to determine if the value entered into NASIS is actually a value that 'makes sense'. A validation usually is more complex than just passing the NASIS data element definition, i.e. type, range in values, etc. Validations can not be used to catch data errors while entering data directly into NASIS or while importing data from another source. I.e. spreadsheets. Validations must be run after the data is already in NASIS.

## NASIS 7.4.2 Domains

Domain Name: canopy\_cover\_class

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	trace	Trace	No description available.
No	2	0.1 to 1%	0.1 to 1%	No description available.
No	3	1.1 to 2%	1.1 to 2%	No description available.
No	4	2 to 5%	2 to 5%	No description available.
No	5	6 to 10%	6 to 10%	No description available.
No	6	11 to 25%	11 to 25%	No description available.
No	7	26 to 50%	26 to 50%	No description available.
No	8	51 to 75%	51 to 75%	No description available.
No	9	76 to 95%	76 to 95%	No description available.
No	10	> 95%	> 95%	No description available.

---

Domain Description: The estimated percent of the ground that is shaded by vegetation canopy at midday, expressed as a class.

## NASIS 7.4.2 Domains

Domain Name: capability\_class

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	1	1	Soils in Class 1 have few limitations that restrict their use.
No	2	2	2	Soils in Class 2 have some limitations that reduce the choice of plants or require moderate conservation practices
No	3	3	3	Soils in Class 3 have severe limitations that reduce the choice of plants or require special conservation practices, or both.
No	4	4	4	Soils in Class 4 have very severe limitations that restrict the choice of plants, require very careful management, or both
No	5	5	5	Soils in Class 5 have little or no erosion hazard, but have other limitations impractical to remove that limit their use.
No	6	6	6	Soils in Class 6 have very severe limitations that make them generally unsuited to cultivation and limit their use largely to pasture, etc.
No	7	7	7	Soils in Class 7 have very severe limitations that make them unsuited to cultivation and that restrict their use to grazing, etc.
No	8	8	8	Soils (and landforms) in Class 8 have limitations that preclude their use for commercial plant production and restrict their use.

---

Domain Description: Capability classes are groups of capability subclasses or capability units that have the same relative degree of hazard or limitation. The risks of soil damage or limitation in use become progressively greater from class I to class VIII. Reference: Land-Capability Classification. Ag Handbook 210.

## NASIS 7.4.2 Domains

Domain Name: capability\_subclass

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	e	e	erosion
No	2	w	w	excess water
No	3	s	s	soil limitations within the rooting zone
No	4	c	c	climate condition

---

Domain Description: Subclasses are groups of capability units which have the same major conservation problem, such as, Erosion and runoff; Excess water; Root-zone limitations; and Climatic limitations. Reference: Land-Capability Classification. Ag Handbook 210.

## NASIS 7.4.2 Domains

Domain Name: carbonate\_dev\_stage\_cf

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	I	I	Pedogenic carbonate occurs as coats along the underside of some coarse fragments in the B horizon. A few fragments may be completely coated.
No	2	II	II	Pedogenic carbonate completely coats most coarse fragments in the B horizon. Carbonate matrix is continuous between some fragments.
No	3	III	III	Pedogenic carbonate entirely engulfs some part of the B horizon and it may be cemented. Carbonate coats and pendants may occur above and below the engulfed zone.
No	4	IV	IV	Pedogenic carbonate engulfs and cements part of the B horizon. Fine laminae are at the top of the cemented horizon. Carbonate coats and pendants may occur above and below the engulfed zone.
No	5	V	V	Pedogenic carbonate engulfs and cements a major part of the B horizon. The top of the cemented horizon has >1 cm thick laminae. Some vertical fractures may be laminae lined.
No	6	VI	VI	Pedogenic carbonate engulfs and cements a majority of the B horizon. Multiple generations of recemented breccia and laminae exist. Pisoliths are present.

---

Domain Description: The class of pedogenic carbonate stage expression in a coarse fragment matrix. Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012

## NASIS 7.4.2 Domains

Domain Name: carbonate\_dev\_stage\_fe

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	I	I	Pedogenic carbonate occurs as few to common fine masses, threads, and/or patchy coats in the B horizon.
No	2	II	II	Pedogenic carbonate occurs as common, fine to very coarse masses, concretions, nodules, and/or continuous coats in the B horizon.
No	3	III	III	Pedogenic carbonate entirely engulfs part of the B horizon, and it may be cemented. Common to many masses, concretions, or nodules occur above or below the engulfed horizon.
No	4	IV	IV	Pedogenic carbonate engulfs and cements part of the B horizon. Fine laminae occur at the top of the cemented horizon. Common to many concretions may occur below the engulfed horizon.
No	5	V	V	Pedogenic carbonate engulfs and cements a major part of the B horizon. The top of the cemented horizon has >1 cm thick laminae. Some vertical fractures may be laminae lined.
No	6	VI	VI	Pedogenic carbonate engulfs and cements a majority of the B horizon. Multiple generations of recemented breccia and laminae exist.

---

Domain Description: The class of pedogenic carbonate stage expression in a fine earth matrix. Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012



## NASIS 7.4.2 Domains

Domain Name: cardinality\_nasis

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	zero or one	Zero or One	No description available.
No	2	zero or more	Zero or More	No description available.
No	3	one and only one	One and Only One	No description available.
No	4	one or more	One or More	No description available.

---

Domain Description: Used for the cardinality column in the repo table relationshipmaster.

## NASIS 7.4.2 Domains

Domain Name: certification\_kind

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	quality control	quality control	A quality control review performed on the data by the individual responsible for directing and inspecting the data entry. This is typically the MLRA Soil Survey Leader.
No	2	quality assurance	quality assurance	A quality assurance review performed on the data by the individual responsible for providing oversight and review of the quality control. This individual is typically the Soil Data Quality Specialist. The quality assurance is typically performed after the quality control.

---

Domain Description: The level of quality review done to the data by the personnel responsible for providing the data for distribution.

## NASIS 7.4.2 Domains

Domain Name: chorizon\_text\_kind

Obsolete?	ID	Data Entry Text	Label Text	Description
No	4	miscellaneous notes	Miscellaneous notes	Text entries not related to any of the other choices.
No	6	edit notes	Edit notes	Text entries that describe what changes were made to the data and why those changes were made.
Yes	1	nontechnical description	Nontechnical description	No description available.
Yes	2	s5 description	SOI5 description	No description available.
Yes	3	correlation notes	Correlation notes	No description available.
Yes	5	certification notes	Certification notes	Indicates records that contain notes related to certification of data objects. Typically, data elements certified in the object are listed in the text attached to this record.

---

Domain Description: The kind of text note used to record additional information about the component horizon in the aggregated data.

## NASIS 7.4.2 Domains

Domain Name: classification\_type

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	correlated	Correlated	The current official taxonomic classification and taxon name assigned taking into account information that was not available at the time of sampling. This also includes updated taxonomic classifications included in newer editions of Keys to Soil Taxonomy.
No	2	field	Field	The taxonomic classification and taxon name assigned at the time the pedon was described.
No	3	lab	Lab	The taxonomic classification assigned by laboratory staff as a result of reviewing analytical data results.
No	4	sampled as	Sampled as	The taxonomic classification and taxon name assigned at the time of field sampling.

---

Domain Description: The level at which the taxonomic classification of the pedon or component is made. Field, sampled as, lab, and correlated.

## NASIS 7.4.2 Domains

Domain Name: cole\_method

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	soil clod	Soil clod	COLE determined by soil clod method defined in SSIR51V1-3.5.4.1.
No	2	soil paste	Soil paste	COLE determined by soil paste or rod method defined in SSIR51V1-3.5.4.2.
No	3	soil mold	soil mold	COLE determined by soil mold method defined in SSIR51V1-3.5.4.3.

---

Domain Description: The method described for estimation of COLE. While varying slightly in sophistication, time required, and equipment needed, all three are directed for field application. Reference: SSIR 51 v2.

## NASIS 7.4.2 Domains

Domain Name: color\_chroma

Obsolete?	ID	Data Entry Text	Label Text	Description
No	2	1	1	Reference: Munsell Soil-Color Charts. Munsell Color company.
No	3	2	2	Reference: Munsell Soil-Color Charts. Munsell Color company.
No	4	3	3	Reference: Munsell Soil-Color Charts. Munsell Color company.
No	5	4	4	Reference: Munsell Soil-Color Charts. Munsell Color company.
No	6	6	6	Reference: Munsell Soil-Color Charts. Munsell Color company.
No	7	8	8	Reference: Munsell Soil-Color Charts. Munsell Color company.
Yes	1	0	0	No description available.
Yes	8	5	5	No description available.
Yes	9	7	7	No description available.

Domain Description: Chroma is the relative purity or strength of the spectral color. Chroma indicates the degree of saturation of neutral gray by the spectral color. The scales of chroma for soils extend from /0 for neutral colors to a chroma of /8 as the strongest expression of color used for soils. In Munsell Color Charts, the color chips are arranged horizontally by increasing chroma from left to right on the color card. Reference: Soil Survey Manual, Agricultural Handbook No. 18, Soil Survey Staff, USDA, Natural Resources Conservation Service. The notation for chroma consists of numbers beginning at 0 for neutral trays, and increasing at equal intervals to a maximum of about 20, which is never really approached in soil. For absolute achromatic colors (pure grays, white, and black), which have zero chroma and no hue, the letter N (neutral) takes the place of a hue designation. Reference: Munsell SOIL-COLOR Charts, produced by Munsell Color.

## NASIS 7.4.2 Domains

Domain Name: color\_hue

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	10R	10R	Reference: Munsell Soil-Color Charts. Munsell Color company.
No	2	10YR	10YR	Reference: Munsell Soil-Color Charts. Munsell Color company.
No	3	2.5Y	2.5Y	Reference: Munsell Soil-Color Charts. Munsell Color company.
No	4	2.5YR	2.5YR	Reference: Munsell Soil-Color Charts. Munsell Color company.
No	5	5B	5B	Reference: Munsell Soil-Color Charts. Munsell Color company.
No	6	5BG	5BG	Reference: Munsell Soil-Color Charts. Munsell Color company.
No	7	5G	5G	Reference: Munsell Soil-Color Charts. Munsell Color company.
No	8	5GY	5GY	Reference: Munsell Soil-Color Charts. Munsell Color company.
No	9	5Y	5Y	Reference: Munsell Soil-Color Charts. Munsell Color company.
No	10	5YR	5YR	Reference: Munsell Soil-Color Charts. Munsell Color company.
No	11	7.5YR	7.5YR	Reference: Munsell Soil-Color Charts. Munsell Color company.
No	12	N	N	Reference: Munsell Soil-Color Charts. Munsell Color company.
No	13	7.5R	7.5R	Reference: Munsell Soil-Color Charts. Munsell Color company.
No	14	5R	5R	Reference: Munsell Soil-Color Charts. Munsell Color company.
No	15	10B	10B	Reference: Munsell Soil-Color Charts. Munsell Color company.
No	16	10BG	10BG	Reference: Munsell Soil-Color Charts. Munsell Color company.
No	17	10G	10G	Reference: Munsell Soil-Color Charts. Munsell Color company.
No	18	10GY	10GY	Reference: Munsell Soil-Color Charts. Munsell Color company.
No	19	10Y	10Y	Reference: Munsell Soil-Color Charts. Munsell Color company.
No	20	5PB	5PB	Reference: Munsell Soil-Color Charts. Munsell Color company.
Yes	21	7.5Y	7.5Y	No description available.

Domain Description: Hue is a measure of the chromatic composition of light that reaches the eye. The Munsell system is based on five principal hues: red (R), yellow (Y), green (G), blue (B), and purple (P). Five intermediate hues representing midpoints between each pair of principal hues complete the 10 major hue names used to describe the notation. The intermediate hues are yellow-red (YR), green-yellow (GY), blue-green (BG), purple-blue (PB), and red-purple (RP). Each of the 10 major hues is divided into four segments of equal visual steps, which are designated by numerical values applied as prefixes to the symbol for the hue name. Four equally spaced steps of the adjacent yellow-red (YR) hue are identified as 2.5YR, 5YR, 7.5YR, and 10YR respectively. The standard chart for soil has separate hue cards from 10R through 5Y. Reference: Soil Survey Manual, Agricultural Handbook No. 18, Soil Survey Staff, USDA, Natural Resources Conservation Service. The symbol for hue is the letter abbreviation of the color of the rainbow(R for red, YR for Yellow-Red, Y for Yellow) preceded by numbers from 0 to 10. Within each letter range, the hue becomes more yellow and less red as the

numbers increase. The middle of the letter range is at 5; the zero point coincides with the 10 point of the next redder hue. Thus 5YR is in the middle of the yellow-red hue, which extends from 10R (zero YR) to 10YR (zero Y). Reference: Munsell SOIL-COLOR Charts, produced by Munsell Color.



## NASIS 7.4.2 Domains

Domain Name: color\_moisture\_status

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	dry	Dry	The soil specimen is sufficiently dry such that further drying does not change the color.
No	2	moist	Moist	The soil specimen is sufficiently moist such that further additions of water do not change the color.

---

Domain Description: The general moisture condition of the soil described; e.g., moist. (Not to be confused with Soil Water State.) Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012

## NASIS 7.4.2 Domains

Domain Name: color\_physical\_state

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	interior	Interior	This is the color of the interior of a ped if the ped can be broken easily and does not crumble into small amounts of soil.
No	2	exterior	Exterior	This is the color of the exterior of an unbroken ped.
No	3	crushed	Crushed	This is the color of crushed soil material and usually applies to dry samples. It is important to record the color of an unshaded portion of the sample. This is often referred to 'crushed and smoothed'. The smoothing is done to reduce the amount of shading done by other soil particles.
No	5	oxidized	Oxidized	The soil specimen has been exposed to the atmosphere allowing for any color change of the reduced matrix.
No	8	broken face	Broken face	The color of the soil is recorded for a surface broken through a ped if a ped can be broken as a unit.
No	9	rubbed	Rubbed	This is the color of rubbed soil material and usually applies to moist samples.
No	10	reduced	Reduced	The color of the soil specimen is read prior to exposure to the atmosphere.
Yes	4	dithionite-citrate pretreated	Dithionite-citrate pretreated	No description available.
Yes	6	after ignition	After ignition	No description available.
Yes	7	pyrophosphate extract	Pyrophosphate extract	No description available.

---

Domain Description: Reference: Soil Survey Manual, Agricultural Handbook No. 18, Soil Survey Staff, USDA, Natural Resources Conservation Service.

## NASIS 7.4.2 Domains

Domain Name: color\_value

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	2	2	Reference: Munsell Soil-Color Charts. Munsell Color company.
No	2	2.5	2.5	Reference: Munsell Soil-Color Charts. Munsell Color company.
No	3	3	3	Reference: Munsell Soil-Color Charts. Munsell Color company.
No	4	4	4	Reference: Munsell Soil-Color Charts. Munsell Color company.
No	5	5	5	Reference: Munsell Soil-Color Charts. Munsell Color company.
No	6	6	6	Reference: Munsell Soil-Color Charts. Munsell Color company.
No	7	7	7	Reference: Munsell Soil-Color Charts. Munsell Color company.
No	8	8	8	Reference: Munsell Soil-Color Charts. Munsell Color company.
No	9	8.5	8.5	Reference: Munsell Soil-Color Charts. Munsell Color company.
No	10	9	9	Reference: Munsell Soil-Color Charts. Munsell Color company.
No	11	9.5	9.5	Reference: Munsell Soil-Color Charts. Munsell Color company.

---

Domain Description: Value indicates the degree of lightness or darkness of a color in relation to a neutral gray scale. On a neutral gray (achromatic) scale, value extends from pure black (0/) to pure white (10/). The value notation is a measure of the amount of light that reaches the eye under standard lighting conditions. Gray is perceived as about halfway between black and white and has a value notation of 5/. The actual amount of light that reaches the eye is related logarithmically to color value. Lighter colors are indicated by numbers between 5/ and 10/; darker colors are indicated by numbers from 5/ to 0/. These values may be designated for either achromatic or chromatic conditions. Thus, a card of the color chart for soil has a series of chips arranged vertically to show equal steps from the lightest to the darkest shades of that hue. Reference: Soil Survey Manual, Agricultural Handbook No. 18, Soil Survey Staff, USDA, Natural Resources Conservation Service. The notation for value consists of numbers from 0, for absolute black, to 10, for absolute white. Thus a color of value 5 is visually midway between absolute white and absolute black. One of value 6 is slightly less dark, 60 percent of the way from black to white, and midway between values of 5 and 7. Reference: Munsell SOIL-COLOR Charts, produced by Munsell Color.

## NASIS 7.4.2 Domains

Domain Name: column\_alignment

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	left justified	Left Justified	No description available.
No	2	center justified	Center Justified	No description available.
No	3	right justified	Right Justified	No description available.

---

Domain Description: Data dictionary attribute describing how the display of data in a grid cell is aligned horizontally.

## NASIS 7.4.2 Domains

Domain Name: component\_kind

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	family	Family	The component is classified and described at the family level of Soil Taxonomy.
No	2	taxon above family	Taxon above family	The component is described and classified at some level of Soil Taxonomy above the family level.
No	3	miscellaneous area	Miscellaneous area	The component is classified and described as a non-soil area.
No	4	series	Series	The component is classified and described at the soil series level, the lowest level of Soil Taxonomy.
No	5	taxadjunct	Taxadjunct	The component is described slightly outside the Soil Taxonomic limits of the name assigned. However, these differences are not significant enough to affect use and management of the soil.
Yes	6	variant	Variant	The component is described as being outside the range of the series for which it is named. The differences are great enough to warrant a new series, they do affect the use and management of the soil, but the geographical extent is considered too small to justify creating a new series.

---

Domain Description: The general class of components or taxa a named component is a member of.

## NASIS 7.4.2 Domains

Domain Name: component\_selection\_criteria

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	all	All	No description available.
No	2	major comp	Major component	No description available.
No	3	min % comp	Minimum percent composition	No description available.
No	4	selected set	Selected set	No description available.

---

Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: component\_text\_kind

Obsolete?	ID	Data Entry Text	Label Text	Description
No	2	s5 description	SOI5 description	The SOI-5 description converted from SSSD.
No	3	correlation notes	Correlation notes	Text entries that document correlation concerns that affect this component. For example, notes about the comparison of this component to the official series for which it is named.
No	4	miscellaneous notes	Miscellaneous notes	Text entries not related to any of the other choices.
No	6	edit notes	Edit notes	Text entries that describe what changes were made to the component object, exclusive of the horizon object, and why those changes were made.
Yes	1	nontechnical description	Nontechnical description	No description available.
Yes	5	certification notes	Certification notes	Indicates records that contain notes related to certification of data objects. Typically, data elements certified in the object are listed in the text attached to this record.

---

Domain Description: The kind of text note used to record additional information about the component in the aggregated data.

## NASIS 7.4.2 Domains

Domain Name: concen\_redox\_boundary

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	sharp	Sharp	Color changes in <0.1 mm between the feature and the soil matrix; change is abrupt even under 10X hand lens.
No	2	clear	Clear	Color changes within 0.1 to <2 mm between the feature and the soil matrix; gradation is visible without 10X hand lens.
No	3	diffuse	Diffuse	Color changes in => 2 mm between the feature and soil matrix; gradation is easily visible with 10X hand lens.

---

Domain Description: The gradation between the concentration or redoximorphic feature and the adjacent matrix. Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012.



## NASIS 7.4.2 Domains

Domain Name: concen\_redox\_hardness

Obsolete?	ID	Data Entry Text	Label Text	Description
No	17	indurated	Indurated	Stress applied is greater than or equal 3 joules. (SSM)
No	20	noncoherent	Noncoherent	Stress applied ranges from 0 to 8 newtons. (SSM)
No	21	very weakly coherent	Very weakly coherent	Stress applied ranges from 20 to 40 newtons. (SSM)
No	22	weakly coherent	Weakly coherent	Stress applied ranges from 40 to 80 newtons. (SSM)
No	23	extremely weakly coherent	Extremely weakly coherent	Stress applied ranges from 8 to 20 newtons. (SSM)
No	24	moderately coherent	Moderately coherent	Stress applied ranges from 80 to 160 newtons. (SSM)
No	26	strongly coherent	Strongly coherent	Stress applied ranges from 160 to 800 newtons. (SSM)
No	27	very strongly coherent	Very strongly coherent	Stress applied ranges from 800 newtons to 3 joules. (SSM)
Yes	10	noncemented	Noncemented	Stress applied ranges from 0 to 8 newtons. (SSM)
Yes	11	extremely weakly	Extremely weakly cemented	Stress applied ranges from 8 to 20 newtons. (SSM)
Yes	12	very weakly	Very weakly cemented	Stress applied ranges from 20 to 40 newtons. (SSM)
Yes	13	weakly	Weakly cemented	Stress applied ranges from 40 to 80 newtons. (SSM)
Yes	14	moderately	Moderately cemented	Stress applied ranges from 80 to 160 newtons. (SSM)
Yes	15	strongly	Strongly cemented	Stress applied ranges from 160 to 800 newtons. (SSM)
Yes	16	very strongly	Very strongly cemented	Stress applied ranges from 800 newtons to 3 joules. (SSM)

Domain Description: The relative force required to crush the concentration or redoximorphic feature (use the same classes and criteria as the "Rupture Resistance for Blocks/Peds/Clods-Cementation" column); e.g., Strongly Cemented (ST). Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012.

## NASIS 7.4.2 Domains

Domain Name: concen\_redox\_location

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	in cracks	In cracks	References: Field Book for Describing and Sampling Soils, Schoeneberger, et al, 2012. Soil Survey Manual, Agricultural Handbook No. 18, Soil Survey Staff, USDA, Natural Resources Conservation Service.
No	2	at top of horizon	At top of horizon	References: Field Book for Describing and Sampling Soils, Schoeneberger, et al, 2012. Soil Survey Manual, Agricultural Handbook No. 18, Soil Survey Staff, USDA, Natural Resources Conservation Service.
No	3	between peds	Between peds	References: Field Book for Describing and Sampling Soils, Schoeneberger, et al, 2012. Soil Survey Manual, Agricultural Handbook No. 18, Soil Survey Staff, USDA, Natural Resources Conservation Service.
No	4	around rock fragments	Around rock fragments	References: Field Book for Describing and Sampling Soils, Schoeneberger, et al, 2012. Soil Survey Manual, Agricultural Handbook No. 18, Soil Survey Staff, USDA, Natural Resources Conservation Service.
No	5	throughout	Throughout	References: Field Book for Describing and Sampling Soils, Schoeneberger, et al, 2012. Soil Survey Manual, Agricultural Handbook No. 18, Soil Survey Staff, USDA, Natural Resources Conservation Service.
No	6	in matrix	In matrix	References: Field Book for Describing and Sampling Soils, Schoeneberger, et al, 2012. Soil Survey Manual, Agricultural Handbook No. 18, Soil Survey Staff, USDA, Natural Resources Conservation Service.
No	7	infused into matrix adjacent to pores	Infused into matrix adjacent to pores	References: Field Book for Describing and Sampling Soils, Schoeneberger, et al, 2012. Soil Survey Manual, Agricultural Handbook No. 18, Soil Survey Staff, USDA, Natural Resources Conservation Service.
No	8	in matrix surrounding redox concentrations	In matrix surrounding redox concentrations	References: Field Book for Describing and Sampling Soils, Schoeneberger, et al, 2012. Soil Survey Manual, Agricultural Handbook No. 18, Soil Survey Staff, USDA, Natural Resources Conservation Service.
No	9	in matrix surrounding redox depletions	In matrix surrounding redox depletions	References: Field Book for Describing and Sampling Soils, Schoeneberger, et al, 2012. Soil Survey Manual, Agricultural Handbook No. 18, Soil Survey Staff, USDA, Natural Resources Conservation Service.
No	10	lining pores	Lining pores	References: Field Book for Describing and Sampling Soils, Schoeneberger, et al, 2012. Soil Survey Manual, Agricultural Handbook No. 18, Soil Survey Staff, USDA, Natural Resources Conservation Service.
No	11	on faces of peds	On faces of peds	References: Field Book for Describing and Sampling Soils, Schoeneberger, et al, 2012. Soil Survey Manual, Agricultural Handbook No. 18, Soil Survey Staff, USDA, Natural Resources Conservation Service.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	12	on horizontal faces of peds	On horizontal faces of peds	References: Field Book for Describing and Sampling Soils, Schoeneberger, et al, 2012. Soil Survey Manual, Agricultural Handbook No. 18, Soil Survey Staff, USDA, Natural Resources Conservation Service.
No	14	on vertical faces of peds	On vertical faces of peds	References: Field Book for Describing and Sampling Soils, Schoeneberger, et al, 2012. Soil Survey Manual, Agricultural Handbook No. 18, Soil Survey Staff, USDA, Natural Resources Conservation Service.
No	15	infused into matrix along faces of peds	Infused into matrix along faces of peds	References: Field Book for Describing and Sampling Soils, Schoeneberger, et al, 2012. Soil Survey Manual, Agricultural Handbook No. 18, Soil Survey Staff, USDA, Natural Resources Conservation Service.
No	16	on surfaces along pores	On surfaces along pores	References: Field Book for Describing and Sampling Soils, Schoeneberger, et al, 2012. Soil Survey Manual, Agricultural Handbook No. 18, Soil Survey Staff, USDA, Natural Resources Conservation Service.
No	17	on bottom of rock fragments	On bottom of rock fragments	References: Field Book for Describing and Sampling Soils, Schoeneberger, et al, 2012. Soil Survey Manual, Agricultural Handbook No. 18, Soil Survey Staff, USDA, Natural Resources Conservation Service.
No	18	on slickensides	On slickensides	References: Field Book for Describing and Sampling Soils, Schoeneberger, et al, 2012. Soil Survey Manual, Agricultural Handbook No. 18, Soil Survey Staff, USDA, Natural Resources Conservation Service.
No	19	on surfaces along root channels	On surfaces along root channels	References: Field Book for Describing and Sampling Soils, Schoeneberger, et al, 2012. Soil Survey Manual, Agricultural Handbook No. 18, Soil Survey Staff, USDA, Natural Resources Conservation Service.
No	20	along lamina or strata surfaces	Along lamina or strata surfaces	References: Field Book for Describing and Sampling Soils, Schoeneberger, et al, 2012. Soil Survey Manual, Agricultural Handbook No. 18, Soil Survey Staff, USDA, Natural Resources Conservation Service.
Yes	13	on ped faces and pores	On ped faces and in pores	No description available.

Domain Description: Describe the location(s) of the concentrations or redoximorphic feature within the horizon (use "Concentrations - Location" table) on page 2-26 in Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012.

## NASIS 7.4.2 Domains

Domain Name: concen\_rmf\_mottle\_contrast

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	distinct	Distinct	Colors being compared are on the same Munsell color page and differ by >2 to 4 value units and >1 to 4 chroma, or they differ by one page and =<2 value and =<1 chroma.
No	2	faint	Faint	Colors being compared are on the same Munsell color page, and differ by =<2 value and =<1 chroma.
No	3	prominent	Prominent	Colors being compared are on the same Munsell color page and differ by >4 units of value or chroma; or they differ by one page with >2 value units or >1 chroma; or they differ by =>2 pages.

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Domain Description: The color difference between the redoximorphic feature, concentration, or mottle and the dominant matrix color; e.g., Prominent or p. Use table on page 2-15 or the chart on page 2-16 of the Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012

## NASIS 7.4.2 Domains

Domain Name: concen\_rmf\_mottle\_shape

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	cylindrical	Cylindrical	Elongated, tubular bodies.
No	2	dendritic	Dendritic	Elongated, tubular, branched bodies.
No	3	spherical	Spherical	Irregular or crudely spherical bodies.
No	4	platy	Platy	Relatively thin, tabular sheets.
No	5	threadlike	Threadlike	Fine to very fine, elongated filaments, generally not dendritic.
No	6	irregular	Irregular	Bodies of non-repeating spacing or shape.
No	7	reticulate	Reticulate	Crudely interlocking bodies with similar spacing.
No	8	cubic	Cubic	angular, crudely cube shaped bodies
No	9	lenticular	Lenticular	Resembling in shape the cross section of a double-convex lens.
No	10	pendular	Pendular	Suspended bodies that occur on the undersides of objects, (e.g., pendular gypsum on the bottom of rock fragments).
No	11	rosette-like	Rosette-like	A mineral growth with concentric aggregates resembling rose flowers.

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Domain Description: The shape of the concentration, redoximorphic feature, or mottle (use "Concentrations - Shape" table); page 2-28 in Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012.

## NASIS 7.4.2 Domains

Domain Name: concen\_rmfmottle\_size

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	fine	Fine	0.25 to < 2 mm
No	3	medium	Medium	2 to <5 mm
No	5	coarse	Coarse	5 to <20 mm
No	7	very coarse	Very coarse	20 to <76 mm
No	9	extremely coarse	Extremely coarse	=>76 mm
No	15	very fine	Very fine	< 0.25 mm
Yes	2	fine and medium	Fine and medium	<5 mm
Yes	4	medium and coarse	Medium and coarse	2 to <20 mm
Yes	6	coarse and very coarse	Coarse and very coarse	5 to <76 mm
Yes	8	very coarse and extremely coarse	Very coarse and extremely coarse	=>20 mm
Yes	10	fine and coarse	Fine and coarse	No description available.
Yes	11	very fine and fine	Very fine and fine	No description available.
Yes	12	fine to coarse	Fine to coarse	No description available.
Yes	13	micro	Micro	No description available.
Yes	14	micro and fine	Micro and fine	No description available.

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Domain Description: The size of the concentration, redoximorphic feature, or mottle (use "Concentrations - Size" table); pages 2-13 and 2-14 in Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012.

## NASIS 7.4.2 Domains

Domain Name: concentration\_kind

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	clay bodies	Clay bodies	No description available.
No	2	barite crystals	Barite crystals	No description available.
No	3	barite masses	Masses of barite	No description available.
No	4	calcite crystals	Calcite crystals	No description available.
No	6	carbonate concretions	Carbonate concretions	No description available.
No	7	carbonate nodules	Carbonate nodules	No description available.
No	8	mica flakes, unspecified	Mica flakes	Mica (undetermined mineralogy) and stable mica pseudomorphs
No	12	gibbsite concretions	Gibbsite concretions	No description available.
No	13	gibbsite nodules	Gibbsite nodules	No description available.
No	18	gypsum crystals, unspecified	Gypsum crystals	A generic choice that has no implication of crystal type (selenite, satin spar, etc.), no connotation of pedogenesis (gypsum crystal clusters), and no connotation of inherited minerals (gypsum crystals, geogenic).
No	19	gypsum masses	Masses of gypsum	Discrete non-cemented gypsum bodies; crystals generally not visible.
No	20	gypsum crystal clusters	Gypsum crystal clusters	A pocket-like cluster of gypsum crystals within a soil matrix or groundmass. Generally assumed to be pedogenic accumulations.
No	22	salt crystals	Salt crystals	No description available.
No	23	salt masses	Salt masses	No description available.
No	24	carbonate masses	Masses of carbonate	No description available.
No	30	opal	Opal	No description available.
No	31	silica masses	Masses of silica	No description available.
No	32	silica concretions	Silica concretions	No description available.
No	33	durinodes	Durinodes	No description available.
No	34	worm casts	Worm casts	No description available.
No	35	insect casts	Insects casts	No description available.
No	36	fecal pellets	Fecal pellets	No description available.
No	44	plant phytoliths	Plant phytoliths	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	45	root sheaths	Root sheaths	No description available.
No	49	sponge spicules	Sponge spicules	No description available.
No	50	shell fragments	Shell fragments	No description available.
No	51	titanium oxide	Titanium oxide	No description available.
No	52	diatoms	Diatoms	No description available.
No	53	glauconite pellets	Glauconite pellets	No description available.
No	54	carbonate, finely disseminated	Finely disseminated carbonates	Very small carbonate bodies (e.g. CaCO <sub>3</sub> ) diffused within the soil and commonly not visible; may cause the soil to appear as though lightly dusted with whitish powder. Generally detected by a positive reaction to Effervescence tests.
No	55	salt, finely disseminated	Finely disseminated salts	Very small salt bodies (e.g. NaCl) diffused within the soil and commonly not visible; may cause the soil to appear as though lightly dusted with whitish powder. Generally detected by SAR test or by its salty taste.
No	56	ortstein nodules	Ortstein nodules	No description available.
No	57	carbonate root casts	Carbonate root casts	Branching, often tubular forms of carbonate accumulation that are carbonate pseudomorphs of roots. In contrast to cylindrical nodules, implicit in this definition is the rhizolithic origin of the feature.
No	58	carbonate bands	Carbonate bands	Sheet-like deposits of carbonate usually about one to several millimeters thick that form along the bedding planes of finely stratified parent material. They are separated by soil with little or no macroscopic carbonate.
No	59	carbonate beds	Carbonate beds	Similar to bands by accumulating along bedding planes of parent material, but differ in size by being a few centimeters to a meter or more thick. Beds of carbonate accumulations, which can range from non-cemented to indurated, occur below the main zone of pedogenic horizons and preserve the original sedimentary structure.
No	60	carbonate laminae	Carbonate laminae	Thin, individual layers of carbonate that comprise the laminar horizon and range from < 1 mm to a few millimeters in thickness. They typically parallel one another, but one set may truncate another set at various angles.
No	61	carbonate pisoliths	Carbonate pisoliths	Subangular to spheroidal carbonate masses that form within highly developed petrocalcic horizons and range from 2 mm to more than 100 mm in diameter. They are characterized by concentric banding and an internal structure of disrupted laminae, or disrupted concentric banding that may or may not have detrital material at their cores.
No	62	carbonate ooliths	Carbonate ooliths	Spheroidal carbonate masses that form within highly developed petrocalcic horizons. They are less than 2 mm in diameter and have an internal structure of laminae that may or may not have detrital material at their cores.
No	63	mica flakes, mixed	Mixed mica flakes	mica flakes comprised of <75 percent of any individual mica mineral.



Obsolete?	ID	Data Entry Text	Label Text	Description
No	64	mica flakes, biotite	Biotite mica flakes	Biotite mica (75 percent of total mica) and stable mica pseudomorphs.
No	65	mica flakes, muscovite	Muscovite mica flakes	Muscovite mica (75 percent of total mica) and stable mica pseudomorphs
No	66	feldspar minerals	Feldspar minerals	Discrete angular nodules (fragments) of feldspar
No	67	ferromagnesian minerals	Ferromagnesian minerals	Ferromagnesian- and magnesium-silicate minerals, such as the serpentine minerals (antigorite, chrysotile, and lizardite) plus talc, olivines, Mg-rich pyroxenes, and Mg-rich amphiboles, in the fine-earth fraction.
No	68	volcanic glass	Volcanic glass	Volcanic glass, glass aggregates, glass-coated grains, and other vitric volcanoclastics.
No	69	gypsum, finely disseminated	Finely disseminated gypsum	Very small gypsum bodies diffused within the soil layer and commonly not visible; may cause the soil to appear as though lightly dusted with whitish powder. Generally detected with the use of National Soil Survey Lab field kits; a positive reaction to soluble sulfates (SO <sub>4</sub> —) in the presence of calcium (Ca <sup>++</sup> ).
No	70	selenite crystals	Selenite crystals	The clear, colorless variety of gypsum, (occasionally brownish in color due to impurities) occurring in distinct, transparent to somewhat opaque, monoclinic crystals or in large crystalline masses with one primary cleavage plane and two poor cleavages that give fragments a skewed, angular look.
No	71	satin spar crystals	Satin spar crystals	A white, translucent, fibrous variety of gypsum, characterized by a silky luster; fibrous crystal aggregate includes fine, parallel threads that reflect light, resembling satin.
Yes	5	lime masses	Masses of lime	No description available.
Yes	9	dark masses	Masses of dark accumulation	No description available.
Yes	10	dark concretions	Dark concretions	No description available.
Yes	11	dark nodules	Dark nodules	No description available.
Yes	14	plinthite segregations	Plinthite segregations	No description available.
Yes	15	iron masses	Masses of iron accumulation	No description available.
Yes	16	iron concretions	Iron concretions	No description available.
Yes	17	ironstone nodules	Ironstone nodules	No description available.
Yes	21	gypsum threads	Gypsum threads	No description available.
Yes	25	carbonate threads	Carbonate threads	No description available.
Yes	26	nonmagnetic shot	Nonmagnetic shot	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	27	iron-manganese masses	Masses of iron-manganese accumulation	No description available.
Yes	28	iron-manganese concretions	Iron-manganese concretions	No description available.
Yes	29	magnetic shot	Magnetic shot	No description available.
Yes	37	clay depletions	Clay depletions	No description available.
Yes	38	iron depletions	Iron depletions	No description available.
Yes	39	iron-manganese nodules	Iron-manganese nodules	No description available.
Yes	40	manganese concretions	Manganese concretions	No description available.
Yes	41	manganese nodules	Manganese nodules	No description available.
Yes	42	manganese masses	Masses of manganese accumulation	No description available.
Yes	43	oxide masses	Masses of oxide accumulation	No description available.
Yes	46	lime concretions	Lime concretions	No description available.
Yes	47	lime nodules	Lime nodules	No description available.
Yes	48	worm nodules	Worm nodules	No description available.

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Domain Description: Identify the composition and the physical state of the concentration in the soil. Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012.

## NASIS 7.4.2 Domains

Domain Name: conservation\_tree\_shrub\_group

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	1	1	References: National Forestry Manual, National Soil Survey Handbook.
No	2	1a	1a	References: National Forestry Manual, National Soil Survey Handbook.
No	3	1h	1h	References: National Forestry Manual, National Soil Survey Handbook.
No	4	1k	1k	References: National Forestry Manual, National Soil Survey Handbook.
No	6	1s	1s	References: National Forestry Manual, National Soil Survey Handbook.
No	7	1sk	1sk	References: National Forestry Manual, National Soil Survey Handbook.
No	9	2	2	References: National Forestry Manual, National Soil Survey Handbook.
No	10	2a	2a	References: National Forestry Manual, National Soil Survey Handbook.
No	11	2h	2h	References: National Forestry Manual, National Soil Survey Handbook.
No	12	2k	2k	References: National Forestry Manual, National Soil Survey Handbook.
No	14	3	3	References: National Forestry Manual, National Soil Survey Handbook.
No	15	3a	3a	References: National Forestry Manual, National Soil Survey Handbook.
No	16	4	4	References: National Forestry Manual, National Soil Survey Handbook.
No	17	4a	4a	References: National Forestry Manual, National Soil Survey Handbook.
No	18	4c	4c	References: National Forestry Manual, National Soil Survey Handbook.
No	19	4ca	4ca	References: National Forestry Manual, National Soil Survey Handbook.
No	21	4ck	4ck	References: National Forestry Manual, National Soil Survey Handbook.
No	22	4k	4k	References: National Forestry Manual, National Soil Survey Handbook.
No	23	5	5	References: National Forestry Manual, National Soil Survey Handbook.
No	24	5a	5a	References: National Forestry Manual, National Soil Survey Handbook.
No	25	5k	5k	References: National Forestry Manual, National Soil Survey Handbook.
No	27	6	6	References: National Forestry Manual, National Soil Survey Handbook.
No	28	6a	6a	References: National Forestry Manual, National Soil Survey Handbook.
No	29	6d	6d	References: National Forestry Manual, National Soil Survey Handbook.
No	30	6da	6da	References: National Forestry Manual, National Soil Survey Handbook.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	31	6dk	6dk	References: National Forestry Manual, National Soil Survey Handbook.
No	36	6k	6k	References: National Forestry Manual, National Soil Survey Handbook.
No	38	7	7	References: National Forestry Manual, National Soil Survey Handbook.
No	39	7a	7a	References: National Forestry Manual, National Soil Survey Handbook.
No	40	8	8	References: National Forestry Manual, National Soil Survey Handbook.
No	46	9w	9w	References: National Forestry Manual, National Soil Survey Handbook.
No	47	10	10	References: National Forestry Manual, National Soil Survey Handbook.
No	49	1sa	1sa	References: National Forestry Manual, National Soil Survey Handbook.
No	50	1ss	1ss	References: National Forestry Manual, National Soil Survey Handbook.
No	51	1ssa	1ssa	References: National Forestry Manual, National Soil Survey Handbook.
No	52	4sa	4sa	References: National Forestry Manual, National Soil Survey Handbook.
No	53	7k	7k	References: National Forestry Manual, National Soil Survey Handbook.
No	54	7s	7s	References: National Forestry Manual, National Soil Survey Handbook.
No	55	7sa	7sa	References: National Forestry Manual, National Soil Survey Handbook.
No	56	7sk	7sk	References: National Forestry Manual, National Soil Survey Handbook.
No	57	9	9	References: National Forestry Manual, National Soil Survey Handbook.
No	58	not rated	Not rated	References: National Forestry Manual, National Soil Survey Handbook.
No	59	1f	1f	References: National Forestry Manual, National Soil Survey Handbook.
No	60	1af	1af	References: National Forestry Manual, National Soil Survey Handbook.
No	61	1hf	1hf	References: National Forestry Manual, National Soil Survey Handbook.
No	62	1kf	1kf	References: National Forestry Manual, National Soil Survey Handbook.
No	63	1sf	1sf	References: National Forestry Manual, National Soil Survey Handbook.
No	64	1saf	1saf	References: National Forestry Manual, National Soil Survey Handbook.
No	65	1skf	1skf	References: National Forestry Manual, National Soil Survey Handbook.
No	66	1ssf	1ssf	References: National Forestry Manual, National Soil Survey Handbook.
No	67	1ssaf	1ssaf	References: National Forestry Manual, National Soil Survey Handbook.
No	68	2f	2f	References: National Forestry Manual, National Soil Survey Handbook.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	69	2af	2af	References: National Forestry Manual, National Soil Survey Handbook.
No	70	2hf	2hf	References: National Forestry Manual, National Soil Survey Handbook.
No	71	2kf	2kf	References: National Forestry Manual, National Soil Survey Handbook.
No	72	3f	3f	References: National Forestry Manual, National Soil Survey Handbook.
No	73	3af	3af	References: National Forestry Manual, National Soil Survey Handbook.
No	74	4f	4f	References: National Forestry Manual, National Soil Survey Handbook.
No	75	4cf	4cf	References: National Forestry Manual, National Soil Survey Handbook.
No	76	4caf	4caf	References: National Forestry Manual, National Soil Survey Handbook.
No	77	4ckf	4ckf	References: National Forestry Manual, National Soil Survey Handbook.
No	78	4kf	4kf	References: National Forestry Manual, National Soil Survey Handbook.
No	79	4saf	4saf	References: National Forestry Manual, National Soil Survey Handbook.
No	80	5f	5f	References: National Forestry Manual, National Soil Survey Handbook.
No	81	5af	5af	References: National Forestry Manual, National Soil Survey Handbook.
No	82	5kf	5kf	References: National Forestry Manual, National Soil Survey Handbook.
No	83	6f	6f	References: National Forestry Manual, National Soil Survey Handbook.
No	84	6af	6af	References: National Forestry Manual, National Soil Survey Handbook.
No	85	6df	6df	References: National Forestry Manual, National Soil Survey Handbook.
No	86	6daf	6daf	References: National Forestry Manual, National Soil Survey Handbook.
No	87	6dkf	6dkf	References: National Forestry Manual, National Soil Survey Handbook.
No	88	6kf	6kf	References: National Forestry Manual, National Soil Survey Handbook.
No	89	7f	7f	References: National Forestry Manual, National Soil Survey Handbook.
No	90	7af	7af	References: National Forestry Manual, National Soil Survey Handbook.
No	91	7kf	7kf	References: National Forestry Manual, National Soil Survey Handbook.
No	92	7sf	7sf	References: National Forestry Manual, National Soil Survey Handbook.
No	93	7saf	7saf	References: National Forestry Manual, National Soil Survey Handbook.
No	94	7skf	7skf	References: National Forestry Manual, National Soil Survey Handbook.
No	95	8f	8f	References: National Forestry Manual, National Soil Survey Handbook.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	96	9f	9f	References: National Forestry Manual, National Soil Survey Handbook.
No	97	9wf	9wf	References: National Forestry Manual, National Soil Survey Handbook.
No	98	4af	4af	References: National Forestry Manual, National Soil Survey Handbook.
Yes	5	1kk	1kk	No description available.
Yes	8	1skk	1skk	No description available.
Yes	13	2kk	2kk	No description available.
Yes	20	4cc	4cc	No description available.
Yes	26	5kk	5kk	No description available.
Yes	32	6g	6g	No description available.
Yes	33	6ga	6ga	No description available.
Yes	34	6gk	6gk	No description available.
Yes	35	6gkk	6gkk	No description available.
Yes	37	6kk	6kk	No description available.
Yes	41	8k	8k	No description available.
Yes	42	9c	9c	No description available.
Yes	43	9l	9l	No description available.
Yes	44	9n	9n	No description available.
Yes	45	9nw	9nw	No description available.
Yes	48	not applicable	Not applicable	No description available.

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Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: correlation\_event

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	initial field review	Initial field review	No description available.
No	2	progress field review	Progress field review	No description available.
No	3	final field review	Final field review	No description available.
No	4	technical assist	Technical assist	No description available.
No	5	correlation team meeting	Correlation team meeting	No description available.
No	6	final correlation	Final correlation	No description available.
No	7	correlation amendment	Correlation amendment	No description available.

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Domain Description: All progressive soil correlation decisions and their reasoning are recorded in NASIS. Any changes or additions to legends, taxonomic units, or map units must be recorded. Significant changes to soil property data and interpretive data, such as ecological site designation, farmland classification, land capability classification, or crop yields, should also be recorded. The reasons for the decision should be recorded if it is relevant and important to future users of the information. Reference: Part 609 National Soil Survey Handbook.

## NASIS 7.4.2 Domains

Domain Name: correlation\_kind

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	status change - added	Status change - added	The map unit has just been added to the Mapunit table for this legend - generally with a status of provisional or approved.
No	2	status change - dropped/combined	Status change - dropped/combined	Documentation for map units that are removed from the list of active map units - changed to "additional" status. This would also apply to map units that are "combined" with other map units.
No	3	status change - disapproved	Status change - disapproved	Documentation as to why a provisional mapunit did not move to the approved list, or an approved one did not move to correlated. More study is needed to make the correlation decision.
No	4	status change - reinstated	Status change - reinstated	Documentation as to why a previously "dropped" map unit is revived and added to the list of active map units—status generally changed from additional to approved or possibly correlated.
No	5	name change	Name change	Documentation regarding changing the name on an existing map unit. If the status is changed at the same time, the action should be coded as "status change."
No	7	notes to accompany	Notes to accompany	Notes designed to be included with either the final correlation document or a field review report.
No	8	join statement	Join statement	Documentation regarding the joining of this map unit with those of surrounding soil survey areas.
Yes	6	symbol change	Symbol change	Documentation regarding changing the mapunit symbol on an existing unit.

Domain Description: Reasons for a correlation decision.



## NASIS 7.4.2 Domains

Domain Name: correlation\_type

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	field correlation	Field correlation	No description available.
No	2	final correlation	Final correlation	No description available.
No	3	correlation amendment	Correlation amendment	No description available.

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Domain Description: Identifies the major correlation effort.

## NASIS 7.4.2 Domains

Domain Name: corrosion\_concrete

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	low	Low	References: Part 618 National Soil Survey Handbook. Chapter 6 Soil Survey Manual.
No	2	moderate	Moderate	References: Part 618 National Soil Survey Handbook. Chapter 6 Soil Survey Manual.
No	3	high	High	References: Part 618 National Soil Survey Handbook. Chapter 6 Soil Survey Manual.
No	4	not rated	Not Rated	Current recourse on a calculation is to set the field to NULL which is not appropriate for this attribute since it was calculated, but not rated.

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Domain Description: Reference: Soil Survey Manual

## NASIS 7.4.2 Domains

Domain Name: corrosion\_uncoated\_steel

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	low	Low	References: Part 618 National Soil Survey Handbook. Chapter 6 Soil Survey Manual.
No	2	moderate	Moderate	References: Part 618 National Soil Survey Handbook. Chapter 6 Soil Survey Manual.
No	3	high	High	References: Part 618 National Soil Survey Handbook. Chapter 6 Soil Survey Manual.
No	4	not rated	Not Rated	Current recourse on a calculation is to set the field to NULL which is not appropriate for this attribute since it was calculated, but not rated.

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Domain Description: Reference: Soil Survey Manual

## NASIS 7.4.2 Domains

Domain Name: cover\_crop\_grown

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	millet	Millet	No description available.
No	2	sudangrass hybrids	Sudangrass hybrids	No description available.
No	3	oat	Oat	No description available.
No	4	forage sorghum	Forage Sorghum	No description available.
No	5	barley black oats	Barley Black Oats	No description available.
No	6	rye, cereal grain	Rye, cereal grain	No description available.
No	7	annual ryegrass	Annual Ryegrass	No description available.
No	8	wheat	Wheat	No description available.
No	9	grain sorghum	Grain Sorghum	No description available.
No	10	other:	Other:	No description available.

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Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: cowardin\_moist\_regime\_modifier

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	nontidal	Nontidal	Though not influenced by oceanic tides, nontidal water regimes may be affected by wind or seiches in lakes. Water regimes are defined in terms of the growing season, which we equate to the frost-free period (see the U.S. Department of Interior National Atlas 1970:110-111 for generalized regional delineation). The rest of the year is defined as the dormant season, a time when even extended periods of flooding may have little influence on the development of plant communities.
No	2	freshwater tidal	Freshwater Tidal	No description available.
No	3	saltwater tidal	Saltwater Tidal	No description available.

Domain Description: Moisture regime modifier is an additional refinement to the Cowardin Classification System used to more fully describe wetlands and deep water habitats at the Class level. Reference: Classification of Wetlands and Deep Water Habitats of the United States. FWS/OBS 79/31 December 1979 Reprinted 1992.

## NASIS 7.4.2 Domains

Domain Name: cowardin\_wetland\_class

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	aquatic bed	Aquatic bed	The Aquatic Bed class includes wetlands and deepwater habitats dominated by plants that grow principally on or below the surface of the water for most of the growing season in most years. Water regimes include subtidal, irregularly exposed, regularly flooded, permanently flooded, intermittently exposed, semipermanently flooded, and seasonally flooded.
No	2	emergent wetland	Emergent wetland	The Emergent Wetland class is characterized by erect, rooted, herbaceous hydrophytes, excluding mosses and lichens. This vegetation is present for most of the growing season in most years. These wetlands are usually dominated by perennial plants. All water regimes are included except subtidal and irregularly exposed.
No	3	forested wetland	forested wetland	The Forested Wetland class is characterized by woody vegetation that is 6 m tall or taller. All water regimes are included except subtidal.
No	4	moss-lichen wetland	Moss-lichen wetland	The Moss-Lichen Wetland class includes areas where mosses or lichens cover substrates other than rock and where emergents, shrubs, or trees make up less than 30% of the areal cover. The only water regime is saturated.
No	5	reef	Reef	The Reef class includes ridge-like or mound-like structures formed by the colonization and growth of sedentary invertebrates. Water regimes are restricted to subtidal, irregularly exposed, regularly flooded, and irregularly flooded.
No	6	rock bottom	Rock bottom	The Rock Bottom class includes all wetlands and deepwater habitats with substrates having an areal cover of stones, boulders, or bedrock 75% or greater and vegetative cover of less than 30%. Water regimes are restricted to subtidal, permanently flooded, intermittently exposed, and semipermanently flooded.
No	7	rocky shore	Rocky shore	The Rocky Shore class includes wetland environments characterized by bedrock, stones, or boulders which singly or in combination have an areal cover of 75% or more and an areal coverage by vegetation of less than 30%. Water regimes are restricted to irregularly exposed, regularly flooded, irregularly flooded, seasonally flooded, temporarily flooded, and intermittently flooded.
No	8	scrub-shrub wetland	Scrub-shrub wetland	The Scrub-Shrub Wetland class includes areas dominated by woody vegetation less than 6 m (20 feet) tall. The species include true shrubs, young trees, and trees or shrubs that are small or stunted because of environmental conditions. All water regimes except subtidal are included.
No	9	streambed	Streambed	The Streambed class includes all wetland contained within the Intermittent Subsystem of the Riverine System and all channels of the Estuarine System or of the Tidal Subsystem of the Riverine System that are completely dewatered at low tide. Water regimes are restricted to irregularly exposed, regularly flooded, irregularly flooded, seasonally flooded, temporarily flooded, and intermittently flooded.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	10	unconsolidated bottom	Unconsolidated bottom	The Unconsolidated Bottom class includes all wetland and deepwater habitats with at least 25% cover of particles smaller than stones, and a vegetative cover less than 30%. Water regimes are restricted to subtidal, permanently flooded, intermittently exposed, and semipermanently flooded.
No	11	unconsolidated shore	Unconsolidated shore	The Unconsolidated Shore class includes all wetland habitats having three characteristics: (1) unconsolidated substrates with less than 75% areal cover of stones, boulders, or bedrock; (2) less than 30% areal cover of vegetation other than pioneering plants; and (3) any of the following water regimes: irregularly exposed, regularly flooded, irregularly flooded, seasonally flooded, temporarily flooded, intermittently flooded, saturated, or artificially flooded. Intermittent or intertidal channels of the Riverine System and intertidal channels of the Estuarine System are classified as Streambed.

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Domain Description: The third tier in the hierarchy of the Cowardin Wetland Classification System. Reference: Classification of Wetlands and Deep Water Habitats of the United States. FWS/OBS 79/31 December 1979 Reprinted 1992.

## NASIS 7.4.2 Domains

Domain Name: cowardin\_wetland\_subclass

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	algal	Algal	Refer to Classification of Wetlands and Deep Water Habitats of the United States. FWS/OBS 79/31 December 1979 Reprinted 1992.
No	2	aquatic moss	Aquatic moss	Refer to Classification of Wetlands and Deep Water Habitats of the United States. FWS/OBS 79/31 December 1979 Reprinted 1992.
No	3	bedrock	Bedrock	Refer to Classification of Wetlands and Deep Water Habitats of the United States. FWS/OBS 79/31 December 1979 Reprinted 1992.
No	4	broad-leaved deciduous	Broad-leaved deciduous	Refer to Classification of Wetlands and Deep Water Habitats of the United States. FWS/OBS 79/31 December 1979 Reprinted 1992.
No	5	broad-leaved evergreen	Broad-leaved evergreen	Refer to Classification of Wetlands and Deep Water Habitats of the United States. FWS/OBS 79/31 December 1979 Reprinted 1992.
No	6	cobble-gravel	Cobble-gravel	Refer to Classification of Wetlands and Deep Water Habitats of the United States. FWS/OBS 79/31 December 1979 Reprinted 1992.
No	7	coral	Coral	Refer to Classification of Wetlands and Deep Water Habitats of the United States. FWS/OBS 79/31 December 1979 Reprinted 1992.
No	8	dead	Dead	Refer to Classification of Wetlands and Deep Water Habitats of the United States. FWS/OBS 79/31 December 1979 Reprinted 1992.
No	9	floating vascular	Floating vascular	Refer to Classification of Wetlands and Deep Water Habitats of the United States. FWS/OBS 79/31 December 1979 Reprinted 1992.
No	10	lichen	Lichen	Refer to Classification of Wetlands and Deep Water Habitats of the United States. FWS/OBS 79/31 December 1979 Reprinted 1992.
No	11	mollusk	Mollusk	Refer to Classification of Wetlands and Deep Water Habitats of the United States. FWS/OBS 79/31 December 1979 Reprinted 1992.
No	12	moss	Moss	Refer to Classification of Wetlands and Deep Water Habitats of the United States. FWS/OBS 79/31 December 1979 Reprinted 1992.
No	13	mud	Mud	Refer to Classification of Wetlands and Deep Water Habitats of the United States. FWS/OBS 79/31 December 1979 Reprinted 1992.
No	14	needle-leaved deciduous	Needle-leaved deciduous	Refer to Classification of Wetlands and Deep Water Habitats of the United States. FWS/OBS 79/31 December 1979 Reprinted 1992.
No	15	needle-leaved evergreen	Needle-leaved evergreen	Refer to Classification of Wetlands and Deep Water Habitats of the United States. FWS/OBS 79/31 December 1979 Reprinted 1992.



Obsolete?	ID	Data Entry Text	Label Text	Description
No	16	nonpersistent	Nonpersistent	Refer to Classification of Wetlands and Deep Water Habitats of the United States. FWS/OBS 79/31 December 1979 Reprinted 1992.
No	17	organic	Organic	Refer to Classification of Wetlands and Deep Water Habitats of the United States. FWS/OBS 79/31 December 1979 Reprinted 1992.
No	18	persistent	Persistent	Refer to Classification of Wetlands and Deep Water Habitats of the United States. FWS/OBS 79/31 December 1979 Reprinted 1992.
No	19	rooted vascular	Rooted vascular	Refer to Classification of Wetlands and Deep Water Habitats of the United States. FWS/OBS 79/31 December 1979 Reprinted 1992.
No	20	rubble	Rubble	Refer to Classification of Wetlands and Deep Water Habitats of the United States. FWS/OBS 79/31 December 1979 Reprinted 1992.
No	21	sand	Sand	Refer to Classification of Wetlands and Deep Water Habitats of the United States. FWS/OBS 79/31 December 1979 Reprinted 1992.
No	22	vegetated	Vegetated	Refer to Classification of Wetlands and Deep Water Habitats of the United States. FWS/OBS 79/31 December 1979 Reprinted 1992.
No	23	worm	Worm	Refer to Classification of Wetlands and Deep Water Habitats of the United States. FWS/OBS 79/31 December 1979 Reprinted 1992.

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Domain Description: The fourth tier in the hierarchy of the Cowardin Wetland Classification System. Reference: Classification of Wetlands and Deep Water Habitats of the United States. FWS/OBS 79/31 December 1979 Reprinted 1992.

## NASIS 7.4.2 Domains

Domain Name: cowardin\_wetland\_subsystem

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	subtidal	Subtidal	The substrate is continuously submerged.
No	2	tidal	Tidal	The gradient is low and water velocity fluctuates under tidal influence. The streambed is mainly mud with occasional patches of sand. Oxygen deficits may sometimes occur and the fauna is similar to that in the Lower Perennial Subsystem. The floodplain is typically well developed.
No	3	intertidal	Intertidal	The substrate is exposed and flooded by tides; includes the associated splash zone.
No	4	lower perennial	Lower perennial	The gradient is low and water velocity is slow. There is no tidal influence, and some water flows throughout the year. The substrate consists mainly of sand and mud. Oxygen deficits may sometimes occur, the fauna is composed mostly of species that reach their maximum abundance in still water, and true planktonic organisms are common. The gradient is lower than that of the Upper Perennial Subsystem and the floodplain is well developed.
No	5	upper perennial	Upper perennial	The gradient is high and velocity of the water fast. There is no tidal influence and some water flows throughout the year. The substrate consists of rock, cobbles, or gravel with occasional patches of sand. The natural dissolved oxygen concentration is normally near saturation. The fauna is characteristic of running water, and there are few or no planktonic forms. The gradient is high compared with that of the Lower Perennial Subsystem, and there is very little floodplain development.
No	6	intermittent	Intermittent	In this Subsystem, the channel contains flowing water for only part of the year. When the water is not flowing, it may remain in isolated pools or surface water may be absent.
No	7	limnetic	Limnetic	All deepwater habitats within the Lacustrine System; many small Lacustrine Systems have no Limnetic Subsystem.
No	8	littoral	Littoral	All wetland habitats in the Lacustrine System. Extends from the shoreward boundary of the system to a depth of 2 m (6.6 feet) below low water or to the maximum extent of nonpersistent emergents, if these grow at depths greater than 2 m.

Domain Description: The second tier in the hierarchy of the Cowardin Wetland Classification System. Reference: Classification of Wetlands and Deep Water Habitats of the United States. FWS/OBS 79/31 December 1979 Reprinted 1992.

## NASIS 7.4.2 Domains

Domain Name: cowardin\_wetland\_system

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	estuarine	Estuarine	<p>The Estuarine System consists of deepwater tidal habitats and adjacent tidal wetlands that are usually semienclosed by land but have open, partly obstructed, or sporadic access to the open ocean, and in which ocean water is at least occasionally diluted by freshwater runoff from the land. The salinity may be periodically increased above that of the open ocean by evaporation. Along some low-energy coastlines there is appreciable dilution of sea water. Offshore areas with typical estuarine plants and animals, such as red mangroves (<i>Rhizophora mangle</i>) and eastern oysters (<i>Crassostrea virginica</i>), are also included in the Estuarine System.</p>
No	2	lacustrine	Lacustrine	<p>The Lacustrine System includes wetlands and deepwater habitats with all of the following characteristics: (1) situated in a topographic depression or a dammed river channel; (2) lacking trees, shrubs, persistent emergents, emergent mosses or lichens with greater than 30% areal coverage; and (3) total area exceeds 8 ha (20 acres). Similar wetland and deepwater habitats totaling less than 8 ha are also included in the Lacustrine System if an active wave-formed or bedrock shoreline feature makes up all or part of the boundary, or if the water depth in the deepest part of the basin exceeds 2 m (6.6 feet) at low water. Lacustrine waters may be tidal or nontidal, but oceanderived salinity is always less than 0.5 %.</p>
No	3	marine	Marine	<p>The Marine System consists of the open ocean overlying the continental shelf and its associated high-energy coastline. Marine habitats are exposed to the waves and currents of the open ocean and the water regimes are determined primarily by the ebb and flow of oceanic tides. Salinities exceed 30 , with little or no dilution except outside the mouths of estuaries. Shallow coastal indentations or bays without appreciable freshwater inflow, and coasts with exposed rocky islands that provide the mainland with little or no shelter from wind and waves, are also considered part of the Marine System because they generally support typical marine biota.</p>
No	4	palustrine	Palustrine	<p>The Palustrine System includes all nontidal wetlands dominated by trees, shrubs, persistent emergents, emergent mosses or lichens, and all such wetlands that occur in tidal areas where salinity due to ocean-derived salts is below 0.5 %. It also includes wetlands lacking such vegetation, but with all of the following four characteristics: (1) area less than 8 ha (20 acres); (2) active wave-formed or bedrock shoreline features lacking; (3) water depth in the deepest part of basin less than 2 m at low water; and (4) salinity due to ocean-derived salts less than 0.5 %.</p>

Obsolete?	ID	Data Entry Text	Label Text	Description
No	5	riverine	Riverine	The Riverine System includes all wetlands and deepwater habitats contained within a channel, with two exceptions: (1) wetlands dominated by trees, shrubs, persistent emergents, emergent mosses, or lichens, and (2) habitats with water containing ocean-derived salts in excess of 0.5 . A channel is "an open conduit either naturally or artificially created which periodically or continuously contains moving water, or which forms a connecting link between two bodies of standing water" (Langbein and Iseri 1960:5).

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Domain Description: The first tier in the hierarchy of the Cowardin Wetland Classification System. Reference: Classification of Wetlands and Deep Water Habitats of the United States. FWS/OBS 79/31 December 1979 Reprinted 1992.

## NASIS 7.4.2 Domains

Domain Name: crack\_kind

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	reversible crust related	Reversible crust related	Very shallow (e.g., 0.1 - 0.5 cm) cracks related to soil crusts; derived from raindrop-splash and soil puddling, followed by dewatering/consolidation and desiccation; very transient(generally persist less than a few weeks); formed by drying from surface down; minimal, seasonal influence on ponded infiltration (e.g., rain-drop crust cracks).
No	2	irreversible crust related	Irreversible crust related	Shallow (e.g., 0.5 - 2 cm)cracks related to soil crusts; derived from raindrop-splash and soil puddling, followed by dewatering/consolidation and desiccation; seasonally transient (not present year-round nor every year); minor influence on ponded infiltration (e.g., freeze-thaw crust and associated cracks).
No	3	reversible trans-horizon	Reversible trans-horizon	Deep vertical cracks that commonly extend across more than on soil horizon and may extent to the surface; derived from wetting and drying of the soil (e.g.Vertisols, vertic subgroups). These cracks are transient (commonly seasonal; close when rewetted), and have a large influence on ponded infiltration and Ksat.
No	4	irreversible trans-horizon	Irreversible trans-horizon	Deep vertical cracks that commonly extend across more than on soil horizon and may extent to the surface; derived from original dewatering and consolidation of parent materials (e.g., extremely coarse subsurface fissures within glacial till; drained polder cracks). These cracks are permanent (persist year-round; see Soil Taxonomy), and have a large influence on ponded infiltration and Ksat.

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Domain Description: The dominant type of fissure, also called "Extra-Structural Cracks"; (Soil Survey Division Staff, 1993) other than those attributed to soil structure. Cracks are commonly vertical, subplanar, and polygonal and are the result of desiccation, dewatering, or consolidation of earthy material. Cracks are much longer and can be much wider than planes that surround soil structural units, such as prisms and columns. Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012.

## NASIS 7.4.2 Domains

Domain Name: crop\_arrangement

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	single crop	Single crop	only one crop is grown per year
No	2	double crop	Double crop	two crops are grown in 1 year in sequence
No	3	strip or other mix	Strip or other mix	two or more crops grown at the same time or more than three crops grown in sequence
No	4	unknown	Unknown	No description available.

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Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: crop\_name

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	african stargrass	African stargrass	No description available.
No	2	alfalfa hay	Alfalfa hay	No description available.
No	3	alfalfa seed	Alfalfa seed	No description available.
No	4	almonds	Almonds	No description available.
No	5	apples	Apples	No description available.
No	6	apricots	Apricots	No description available.
No	7	artichokes	Artichokes	No description available.
No	8	asparagus	Asparagus	No description available.
No	9	avocados	Avocados	No description available.
No	10	bahiagrass	Bahiagrass	No description available.
No	11	bananas	Bananas	No description available.
No	12	barley	Barley	No description available.
No	13	barley-fallow	Barley-fallow	No description available.
No	14	beans, dry lima	Dry lima beans	No description available.
No	15	beans, dry pinto	Dry pinto beans	No description available.
No	16	beans, other dry	Dry beans	No description available.
No	17	beans, snap	Snap beans	No description available.
No	18	beans, unshelled lima	Unshelled lima beans	No description available.
No	19	beets	Beets	No description available.
No	20	bentgrass seed	Bentgrass seed	No description available.
No	21	bermudagrass-clover hay	Bermudagrass-clover hay	No description available.
No	22	bermudagrass-fescue hay	Bermudagrass-fescue hay	No description available.
No	23	big bluestem	Big bluestem	No description available.
No	24	blackberries	Blackberries	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	25	blueberries	Blueberries	No description available.
No	26	bluegrass seed	Bluegrass seed	No description available.
No	27	bluegrass-ladino	Bluegrass-ladino	No description available.
No	28	bluegrass-ladino hay	Bluegrass-ladino hay	No description available.
No	29	bluegrass-trefoil	Bluegrass-trefoil	No description available.
No	30	bluegrass-trefoil hay	Bluegrass-trefoil hay	No description available.
No	31	bluegrass-white clover	Bluegrass-white clover	No description available.
No	32	bluegrass-white clover hay	Bluegrass-white clover hay	No description available.
No	33	breadfruit	Breadfruit	No description available.
No	34	broccoli	Broccoli	No description available.
No	35	bromegrass hay	Bromegrass hay	No description available.
No	36	bromegrass-alfalfa	Bromegrass-alfalfa	No description available.
No	37	bromegrass-alfalfa hay	Bromegrass-alfalfa hay	No description available.
No	38	bromegrass-alsike	Bromegrass-alsike	No description available.
No	39	bromegrass-alsike hay	Bromegrass-alsike hay	No description available.
No	40	bromegrass-ladino	Bromegrass-ladino	No description available.
No	41	broomcorn	Broomcorn	No description available.
No	42	brussel sprouts	Brussel sprouts	No description available.
No	43	buckwheat	Buckwheat	No description available.
No	44	buffel grass	Buffel grass	No description available.
No	45	cabbage	Cabbage	No description available.
No	46	cabbage, chinese	Chinese cabbage	No description available.
No	47	cabbage, mustard	Mustard cabbage	No description available.
No	48	canarygrass hay	Canarygrass hay	No description available.
No	49	canarygrass-alsike	Canarygrass-alsike	No description available.



Obsolete?	ID	Data Entry Text	Label Text	Description
No	50	canarygrass-alsike hay	Canarygrass-alsike hay	No description available.
No	51	canarygrass-ladino	Canarygrass-ladino	No description available.
No	52	canarygrass-ladino hay	Canarygrass-ladino hay	No description available.
No	53	cantaloupe	Cantaloupe	No description available.
No	54	carrots	Carrots	No description available.
No	55	cassava	Cassava	No description available.
No	56	cauliflower	Cauliflower	No description available.
No	58	celery	Celery	No description available.
No	59	cherries	Cherries	No description available.
No	60	clover seed	Clover seed	No description available.
No	61	coconuts	Coconuts	No description available.
No	62	coffee	Coffee	No description available.
No	63	common bermudagrass	Common bermudagrass	No description available.
No	64	common ryegrass seed	Common ryegrass seed	No description available.
No	65	cool season grass	Cool-season grasses	No description available.
No	66	corn	Corn	No description available.
No	67	corn silage	Corn silage	No description available.
No	68	corn, sweet	Sweet corn	No description available.
No	69	cotton lint	Cotton lint	No description available.
No	70	cotton lint, pima	Pima cotton lint	No description available.
No	71	cowpeas	Cowpeas	No description available.
No	72	cranberries	Cranberries	No description available.
No	73	crested wheatgrass	Crested wheatgrass	No description available.
No	74	crested wheatgrass-alfalfa hay	Crested wheatgrass-alfalfa hay	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	75	cucumbers	Cucumbers	No description available.
No	76	fescue	Fescue	No description available.
No	77	filberts	Filberts	No description available.
No	78	fine fescue seed	Fine fescue seed	No description available.
No	79	flax	Flax	No description available.
No	80	garlic	Garlic	No description available.
No	81	garrisongrass	Garrisongrass	No description available.
No	82	grain sorghum	Grain sorghum	No description available.
No	83	grapefruit	Grapefruit	No description available.
No	84	grapes, table	Table grapes	No description available.
No	85	grapes, wine	Wine grapes	No description available.
No	86	grass hay	Grass hay	No description available.
No	87	grass, seed	Grass seed	No description available.
No	88	grass-clover	Grass-clover	No description available.
No	89	grass-legume hay	Grass-legume hay	No description available.
No	90	green chop	Green chop	No description available.
No	91	green needlegrass	Green needlegrass	No description available.
No	92	guinea grass	Guinea grass	No description available.
No	93	hay crops, annuals	Annual hay crop	No description available.
No	94	hops	Hops	No description available.
No	95	improved bermudagrass	Improved bermudagrass	No description available.
No	96	indiangrass	Indiangrass	No description available.
No	97	introduced bluestem	Introduced bluestem	No description available.
No	98	johnsongrass	Johnsongrass	No description available.
No	99	kentucky bluegrass	Kentucky bluegrass	No description available.
No	100	kleingrass	Kleingrass	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	101	legume hay	Legume hay	No description available.
No	102	lemons	Lemons	No description available.
No	103	lentils, dry	Dry lentils	No description available.
No	104	lettuce	Lettuce	No description available.
No	105	limes	Limes	No description available.
No	106	loganberries	Loganberries	No description available.
No	107	macadamia nuts	Macadamia nuts	No description available.
No	108	mangos	Mangos	No description available.
No	109	merkergrass	Merkergrass	No description available.
No	110	millet	Millet	No description available.
No	111	mint, distillate	Distillate mint	No description available.
No	112	molassesgrass	Molassesgrass	No description available.
No	113	mungbeans	Mungbeans	No description available.
No	114	oats	Oats	No description available.
No	115	olives	Olives	No description available.
No	116	onions	Onions	No description available.
No	117	onions, green	Green onions	No description available.
No	118	oranges	Oranges	No description available.
No	119	orchardgrass	Orchardgrass	No description available.
No	120	orchardgrass hay	Orchardgrass hay	No description available.
No	121	orchardgrass seed	Orchardgrass seed	No description available.
No	122	orchardgrass-alfalfa	Orchardgrass-alfalfa	No description available.
No	123	orchardgrass-alfalfa hay	Orchardgrass-alfalfa hay	No description available.
No	124	orchardgrass-alsike	Orchardgrass-alsike	No description available.
No	125	orchardgrass-alsike hay	Orchardgrass-alsike hay	No description available.
No	126	orchardgrass-ladino	Orchardgrass-ladino	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	127	orchardgrass-ladino hay	Orchardgrass-ladino hay	No description available.
No	128	orchardgrass-lespedeza	Orchardgrass-lespedeza	No description available.
No	129	orchardgrass-lespedeza hay	Orchardgrass-lespedeza hay	No description available.
No	130	orchardgrass-red clover	Orchardgrass-red clover	No description available.
No	131	orchardgrass-red clover hay	Orchardgrass-red clover hay	No description available.
No	132	orchardgrass-trefoil	Orchardgrass-trefoil	No description available.
No	133	orchardgrass-trefoil hay	Orchardgrass-trefoil hay	No description available.
No	134	pangolagrass	Pangolagrass	No description available.
No	135	papaya	Papaya	No description available.
No	136	paragrass	Paragrass	No description available.
No	137	pasture	Pasture	No description available.
No	138	peaches	Peaches	No description available.
No	139	peanuts	Peanuts	No description available.
No	140	pears	Pears	No description available.
No	141	pears, winter	Winter pears	No description available.
No	142	peas, canning	Canning peas	No description available.
No	143	peas, dry	Dry peas	No description available.
No	144	peas, green	Green peas	No description available.
No	145	pecans	Pecans	No description available.
No	146	pepper, black	Black pepper	No description available.
No	147	peppers	Peppers	No description available.
No	148	peppers, dry chili	Dry chili peppers	No description available.
No	149	peppers, fresh chili	Fresh chili peppers	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	150	peppers, green	Green peppers	No description available.
No	151	perennial ryegrass seed	Perennial ryegrass seed	No description available.
No	152	pigeonpeas	Pigeonpeas	No description available.
No	153	pineapple	Pineapple	No description available.
No	154	pineapple, ratoon	Ratoon pineapple	No description available.
No	155	pistachios	Pistachios	No description available.
No	156	plantains	Plantains	No description available.
No	157	plums	Plums	No description available.
No	158	potatoes, irish	Irish potatoes	No description available.
No	159	prunes	Prunes	No description available.
No	160	prunes, dry	Dry prunes	No description available.
No	161	pubescent wheatgrass	Pubescent wheatgrass	No description available.
No	162	pumpkins	Pumpkins	No description available.
No	163	raisins	Raisins	No description available.
No	164	raspberries	Raspberries	No description available.
No	165	red clover hay	Red clover hay	No description available.
No	166	red clover seed	Red clover seed	No description available.
No	167	reed canarygrass	Reed canarygrass	No description available.
No	168	rice	Rice	No description available.
No	169	rye	Rye	No description available.
No	170	rye grazeout	Rye grazeout	No description available.
No	171	safflower	Safflower	No description available.
No	172	small grains grazeout	Small grains grazeout	No description available.
No	173	smooth brome grass	Smooth brome grass	No description available.
No	174	sorghum hay	Sorghum hay	No description available.
No	175	sorghum silage	Sorghum silage	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	176	soybeans	Soybeans	No description available.
No	177	spinach	Spinach	No description available.
No	178	strawberries	Strawberries	No description available.
No	179	sugar beets	Sugar beets	No description available.
No	180	sugarcane	Sugarcane	No description available.
No	181	sugarcane, 18 month	18-month sugarcane	No description available.
No	182	sugarcane, ratoon	Ratoon sugarcane	No description available.
No	183	sugarcane, spring	Spring sugarcane	No description available.
No	184	sunflower	Sunflowers	No description available.
No	185	sweet potatoes	Sweet potatoes	No description available.
No	186	switchgrass	Switchgrass	No description available.
No	187	tall fescue	Tall fescue	No description available.
No	188	tall fescue hay	Tall fescue hay	No description available.
No	189	tall fescue seed	Tall fescue seed	No description available.
No	190	tall fescue-alfalfa	Tall fescue-alfalfa	No description available.
No	191	tall fescue-alfalfa hay	Tall fescue-alfalfa hay	No description available.
No	192	tall fescue-alsike	Tall fescue-alsike	No description available.
No	193	tall fescue-alsike hay	Tall fescue-alsike hay	No description available.
No	194	tall fescue-ladino	Tall fescue-ladino	No description available.
No	195	tall fescue-ladino hay	Tall fescue-ladino hay	No description available.
No	196	tall fescue-lespedeza	Tall fescue-lespedeza	No description available.
No	197	tall fescue-lespedeza hay	Tall fescue-lespedeza hay	No description available.
No	198	tall fescue-red clover	Tall fescue-red clover	No description available.
No	199	tall fescue-red clover hay	Tall fescue-red clover hay	No description available.
No	200	tall wheatgrass	Tall wheatgrass	No description available.
No	201	tangelos	Tangelos	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	202	tangerines	Tangerines	No description available.
No	203	taniers	Taniers	No description available.
No	204	taro	Taro	No description available.
No	205	timothy-alfalfa	Timothy-alfalfa	No description available.
No	206	timothy-alfalfa hay	Timothy-alfalfa hay	No description available.
No	207	timothy-alsike	Timothy-alsike	No description available.
No	208	timothy-alsike hay	Timothy-alsike hay	No description available.
No	209	timothy-red clover hay	Timothy-red clover hay	No description available.
No	210	tobacco	Tobacco	No description available.
No	211	tomatoes	Tomatoes	No description available.
No	212	trefoil hay	Trefoil hay	No description available.
No	213	trefoil-grass	Trefoil-grass	No description available.
No	214	trefoil-grass hay	Trefoil-grass hay	No description available.
No	215	walnuts	Walnuts	No description available.
No	216	warm season grass	Warm season grasses	No description available.
No	217	watermelons	Watermelons	No description available.
No	218	weeping lovegrass	Weeping lovegrass	No description available.
No	219	wheat	Wheat	No description available.
No	220	wheat grazeout	Wheat grazeout	No description available.
No	221	wheat, oct-mar	Wheat (October-March)	No description available.
No	222	wheat, spring	Spring wheat	No description available.
No	223	wheat, spring-fallow	Spring wheat-fallow	No description available.
No	224	wheat, winter	Winter wheat	No description available.
No	225	wheat, winter-fallow	Winter wheat-fallow	No description available.
No	226	yams	Yams	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	227	common bermudagrass hay	Common bermudagrass hay	No description available.
No	228	improved bermudagrass hay	Improved bermudagrass hay	No description available.
No	229	bahiagrass hay	Bahiagrass hay	No description available.
No	230	canola, spring	Spring canola	No description available.
No	231	canola, winter	Winter canola	No description available.
No	232	small grains hay	Small grains hay	No description available.
No	233	small grains silage	Small grains silage	No description available.
No	234	sorghum grazed	Sorghum grazed	No description available.
No	235	oats, hay	Hay oats	No description available.
No	236	strawberries, plants	Strawberry plants	No description available.
No	237	permanent pasture, improved	Improved permanent pasture	No description available.
No	238	permanent pasture, unimproved	Unimproved permanent pasture	No description available.
No	239	caucasian bluestem	Caucasian bluestem	No description available.
No	240	grass-legume pasture	Grass-legume pasture	No description available.
No	241	timothy hay	Timothy hay	No description available.
No	242	annual ryegrass	Annual ryegrass	No description available.
No	243	caucasian bluestem hay	Caucasian bluestem hay	No description available.
No	244	crimson clover	Crimson clover	No description available.
No	245	kincaid red clover	Kincaid red clover	No description available.
No	246	kobe lespedeza	Kobe lespedeza	No description available.
No	247	ladino clover	Ladino clover	No description available.
No	248	alfalfa pasture	Alfalfa pasture	No description available.
No	249	squash, summer	Summer squash	No description available.
No	250	squash, winter	Winter squash	No description available.



Obsolete?	ID	Data Entry Text	Label Text	Description
No	251	timothy-red clover	Timothy-red clover	No description available.
No	252	bluegrass	Bluegrass	No description available.
No	253	grass silage	Grass silage	No description available.
No	254	tobacco, burley	Burley tobacco	No description available.
No	255	tobacco, fire-cured	Fire-cured tobacco	No description available.
No	256	tobacco, flue-cured	Flue-cured tobacco	No description available.
No	257	tobacco, dark air-cured	Dark air-cured tobacco	No description available.
No	258	tobacco, light, air-cured	Light air-cured tobacco	No description available.
No	259	barley, winter	Winter barley	No description available.
No	260	barley, spring	Spring barley	No description available.
No	261	barley, winter-fallow	Winter barley-fallow	No description available.
No	262	barley, spring-fallow	Spring barley-fallow	No description available.
No	263	alfalfa	Alfafa	No description available.
Yes	57	causian bluegrass	Causian bluegrass	No description available.

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Domain Description: Name of crop being grown in area of interest. Could be a general name or a more specific crop name.

## NASIS 7.4.2 Domains

Domain Name: crop\_tree\_category

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	timber	Timber	No description available.
No	2	visual quality	Visual quality	No description available.
No	3	water quality	Water quality	No description available.
No	4	wildlife	Wildlife	No description available.

---

Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: crop\_yield\_units

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	animal unit months	AUM	Animal unit months/acre
No	2	boxes	Boxes	Boxes/acre
No	3	bushels	Bu	Bushels/acre
No	4	crates	Crates	Crates/acre
No	5	100 pounds	Cwt	100 pounds/acre
No	6	pounds	Lbs	Pounds/acre
No	7	sacks	Sacks	Sacks/acre
No	8	thousands	Thousands	Thousands/acre
No	9	tons	Tons	Tons/acre

---

Domain Description: Units of measure commonly used to describe a yield amount associated with the crop name recorded.

## NASIS 7.4.2 Domains

Domain Name: crown\_class

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	codominant	Codominant	Tree whose crown helps to form the general level of the main canopy in even-aged stands or, in uneven-aged stands, the main canopy of the tree's immediate neighbors, receiving full light from above and comparatively little from the sides.
No	2	dominant	Dominant	Tree whose crown extends above the general level of the main canopy of even-aged stands or, in uneven-aged stands, above the crowns of the tree's immediate neighbors and receiving full light from above and partial light from the sides.

---

Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: crust\_development\_class

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	weak	Weak	Physical and salt crusts are fragile and can be disrupted by rainfall. Weak physical crusts have a smooth morphology, none to few cyanobacterial sheaths, and little or no darkening from cyanobacteria. Poorly developed biological crusts have a smooth or dimpled morphology, dense cyanobacterial sheaths, and variable darkening from cyanobacteria.
No	2	strong	Strong	Well developed crusts. Physical crusts are usually platy or massive and are not disrupted by rainfall. Biological crusts are strongly developed with a rugose, pinnacled, or rolling morphology, a diverse biological assemblage with two or more groups of organisms, and obvious darkening by cyanobacteria, rubbery algae, moss, or lichen.

---

Domain Description: The relative strength of a soil's physical or biological crust. Either weak or strong.

## NASIS 7.4.2 Domains

Domain Name: cryptogam\_cover\_class\_legacy

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	low	Low	Added as a legacy choice from the ESIS database when the ESI data (from ESIS) was imported into NASIS. Actual definition of this choice is unknown.
No	2	medium	Medium	Added as a legacy choice from the ESIS database when the ESI data (from ESIS) was imported into NASIS. Actual definition of this choice is unknown.
No	3	high	High	Added as a legacy choice from the ESIS database when the ESI data (from ESIS) was imported into NASIS. Actual definition of this choice is unknown.

---

Domain Description: The cryptogram cover class brought over from the ESIS database.

## NASIS 7.4.2 Domains

Domain Name: ct\_septic\_potential

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	extremely low potential	Extremely low potential	These soils have severe limitations that are extremely difficult to overcome. A permit for absorption field installation may not be issued unless the naturally occurring soils meet the minimal requirements outlined in the state health code. It is unlikely these soils can be improved sufficiently to meet state health code regulations.
No	2	very low potential	Very low potential	These soils have severe limitations that require extensive design and site preparation. A permit for absorption field installation may not be issued unless the naturally occurring soils meet the minimal requirements outlined in the state health code. It is unlikely these soils can be improved sufficiently to meet state health code regulations. The cost factor ranges from 4.25x to 6.0x.
No	3	low potential	Low potential	These soils have limitations that require extensive design and site preparation. The cost factor ranges from 2.5x to 3.5x.
No	4	medium potential	Medium potential	These soils have significant limitations that are generally overcome with commonly applied designs. The cost factor ranges from 2.0x to 2.5x.
No	5	high potential	High potential	These soils have the best combination of characteristics or may have limitations that can be easily overcome using standard installation practices. The cost factor ranges from 1.0x to 2.0x.
No	6	not rated	Not rated	These soils have characteristics that show extreme variability from on location to another. The work needed to overcome adverse soil properties cannot be estimated.

Domain Description: The Soil Potential Ratings for Subsurface Disposal Systems data indicates the relative suitability of soils for installing a single family residence subsurface disposal system (SSDS), as well as ways those limitations may be overcome. Reference: CT\_ECO\_Resource\_Guide\_Soils\_Potential\_SSDS.pdf

## NASIS 7.4.2 Domains

Domain Name: cultivation\_extent

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	excellent	Excellent	Clean tilled each year.
No	2	good	Good	Clean tilled frequently or partially.
No	3	fair	Fair	Clean tilled infrequently or outside rows only.
No	4	poor	Poor	No cultivation for 3 years or more.
No	5	none	None	No cultivation has occurred.

---

Domain Description: No description available.



## NASIS 7.4.2 Domains

Domain Name: current\_year\_precip

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	above normal	Above normal	No description available.
No	2	normal	normal	No description available.
No	3	below normal	Below normal	No description available.

---

Domain Description: General description of the precipitation received for the current year.

## NASIS 7.4.2 Domains

Domain Name: damage\_degree

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	none	None	No damage.
No	2	slight	Slight	No appreciable damage is apparent.
No	3	moderate	Moderate	Apparent loss of foliage, vigor, and top growth or general overall decline of species in the row.
No	4	severe	Severe	Apparent loss of species in the row.

---

Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: data\_mapunit\_selection\_criteria

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	all	All	No description available.
No	2	data certification status	Data certification status	No description available.
No	3	selected set	Selected set	No description available.

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Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: data\_mapunit\_text\_kind

Obsolete?	ID	Data Entry Text	Label Text	Description
No	3	correlation notes	Correlation notes	Text entries about correlation concerns related to this data mapunit. For example, a description of the interpretive focus and map unit design intent for this data mapunit.
No	4	miscellaneous notes	Miscellaneous notes	Text entries not related to any of the other choices.
No	5	certification statements	Certification statements	Text entries related to certification of the data mapunit. Typically, data elements certified in the object are listed in the text attached to this record.
No	6	edit notes	Edit notes	Text entries that describe what changes were made to the data mapunit object, exclusive of the component object, and why those changes were made.
Yes	1	nontechnical description	Nontechnical description	No description available.
Yes	2	s5 description	SOI5 description	No description available.

---

Domain Description: The kind of text note used to record additional information about the data mapunit in the aggregated data.

## NASIS 7.4.2 Domains

Domain Name: date\_time\_interval\_qualifier

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	Year	Year	mnemonic=ELMDT_YEAR
No	2	Month	Month	mnemonic=ELMDT_MONTH
No	3	Day	Day	mnemonic=ELMDT_DAY
No	4	Hour	Hour	mnemonic=ELMDT_HOUR
No	5	Minute	Minute	mnemonic=ELMDT_MINUTE
No	6	Second	Second	mnemonic=ELMDT_SECOND
No	7	Fraction	Fraction of a Second	mnemonic=ELMDT_FRACTION

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Domain Description: Common units used when describing an interval in either dates or times.

## NASIS 7.4.2 Domains

Domain Name: daubenmire\_canopy\_cover\_class

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	1 to 5%	1 to 5%	No description available.
No	2	6 to 25%	6 to 25%	No description available.
No	3	26 to 50%	26 to 50%	No description available.
No	4	51 to 75%	51 to 75%	No description available.
No	5	76 to 95%	76 to 95%	No description available.
No	6	96 to 100%	96 to 100%	No description available.

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Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: decadent\_plant\_abundance

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	some	Some	No description available.
No	2	few	Few	No description available.
No	3	more than expected	More than expected	No description available.

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Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: default\_type

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	current date/time	Current Date/Time	No description available.
No	2	literal	Literal	No description available.
No	3	nasid group ID	NASIS Group ID	No description available.
No	4	nasid site ID	NASIS Site ID	No description available.
No	5	nasid user ID	NASIS User ID	No description available.
No	6	identity	Identity	No description available.
No	7	zero length string	Zero Length String	No description available.
No	8	propagate from hierarchy parent	Propagate from Hierarchy Parent	No description available.
No	9	non-quoted literal	Non-Quoted Literal	No description available.
No	10	propagated	Propagated	No description available.

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Domain Description: Data dictionary attribute describing the type of data to use as the default value for a column. The default value could be a constant or a value derived by context.



## NASIS 7.4.2 Domains

Domain Name: diag\_horz\_feat\_kind

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	anthropic epipedon	Anthropic epipedon	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2	abrupt textural change	Abrupt textural change	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3	andic soil properties	Andic soil properties	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	4	cambic horizon	Cambic horizon	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	5	calcic horizon	Calcic horizon	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	6	durinodes	Durinodes	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	7	petrocalcic horizon	Petrocalcic horizon	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	8	fragipan	Fragipan	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	9	gypsic horizon	Gypsic horizon	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	11	glossic horizon	Glossic horizon	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	12	aquic conditions	Aquic conditions	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	13	histic epipedon	Histic epipedon	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	14	sombric horizon	Sombric horizon	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	15	petrogypsic horizon	Petrogypsic horizon	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	16	placic horizon	Placic horizon	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	17	kandic horizon	Kandic horizon	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	18	lithic contact	Lithic contact	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	19	secondary carbonates	Secondary carbonates	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	20	mollic epipedon	Mollic epipedon	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	21	melanic epipedon	Melanic epipedon	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	22	natric horizon	Natric horizon	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	23	ochric epipedon	Ochric epipedon	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	24	plaggen epipedon	Plaggen epipedon	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	25	petroferric contact	Petroferric contact	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	26	permafrost	Permafrost	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	27	plinthite	Plinthite	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	28	albic horizon	Albic horizon	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	29	agric horizon	Agric horizon	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	30	spodic horizon	Spodic horizon	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	31	slickensides	Slickensides	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	32	argillic horizon	Argillic horizon	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	33	umbric epipedon	Umbric epipedon	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	34	sulfuric horizon	Sulfuric horizon	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	35	paralithic contact	Paralithic contact	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	36	oxic horizon	Oxic horizon	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	37	salic horizon	Salic horizon	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	38	duripan	Duripan	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	39	sulfidic materials	Sulfidic materials	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	40	interfingering of albic materials	Interfingering of albic materials	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	41	fibric soil materials	Fibric soil materials	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	42	hemic soil materials	Hemic soil materials	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	43	sapric soil materials	Sapric soil materials	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	44	humilluvic material	Humilluvic material	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	45	limnic materials	Limnic materials	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	46	coprogenous earth	Coprogenous earth	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	47	diatomaceous earth	Diatomaceous earth	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	48	marl	Marl	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	49	albic materials	Albic materials	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	51	lamellae	Lamellae	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	52	ortstein	Ortstein	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	53	fragic soil properties	Fragic soil properties	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	54	densic contact	Densic contact	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	55	densic materials	Densic materials	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	56	paralithic materials	Paralithic materials	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	57	anhydrous conditions	Anhydrous conditions	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	58	cryoturbation	Cryoturbation	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	59	gelic materials	Gelic materials	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	60	glacic layer	Glacic layer	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	61	folistic epipedon	Folistic epipedon	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	62	redox concentrations	Redox concentrations	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	63	redox depletions with chroma 2 or less	Redox depletions with chroma 2 or less	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	64	reduced matrix	Reduced matrix	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	65	endosaturation	Endosaturation	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	66	episaturation	Episaturation	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	67	anthric saturation	Anthric saturation	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	68	lithologic discontinuity	Lithologic discontinuity	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	69	strongly contrasting particle size class	Strongly contrasting particle size class	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	70	gypsum accumulations	Gypsum accumulations	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	71	salt accumulations	Salt accumulations	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	72	volcanic glass	Volcanic glass	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	73	n value > 0.7	n value > 0.7	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	74	spodic materials	Spodic materials	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	75	artifacts	Artifacts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	76	fibers	Fibers	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	77	free carbonates	Free carbonates	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	78	resistant minerals	Resistant minerals	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	79	weatherable minerals	Weatherable minerals	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	80	anhydritic horizon	Anhydritic horizon	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	81	human-altered material	Human-altered material	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	82	human-transported material	Human-transported material	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	83	manufactured layer	Manufactured layer	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	84	manufactured layer contact	Manufactured layer contact	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
Yes	10	gilgai	Gilgai	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	50	mottles with chroma 2 or less	Mottles with chroma 2 or less	No description available.

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Domain Description: Kind and occurrence of soil taxonomic diagnostic horizons and characteristics (Soil Survey Staff, 2010)

## NASIS 7.4.2 Domains

Domain Name: digitizing\_unit

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	ngmc	NGMC	No description available.
No	2	kansas	Kansas	No description available.
No	3	michigan	Michigan	No description available.
No	4	missouri	Missouri	No description available.
No	5	montana	Montana	No description available.
No	6	texas	Texas	No description available.
No	7	virginia	Virginia	No description available.
No	8	wisconsin	Wisconsin	No description available.

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Domain Description: The NRCS State Office or National Center where the soil lines from paper maps were digitized.

## NASIS 7.4.2 Domains

Domain Name: disease\_kind

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	none	None	No description available.
No	2	canker	Canker	No description available.
No	3	cedar apple rust	Cedar apple rust	No description available.
No	4	fire blight	Fire blight	No description available.
No	5	fungus	Fungus	No description available.
No	6	needle rust	Needle rust	No description available.
No	7	other	Other	No description available.
No	8	virus	Virus	No description available.
No	9	x disease	X disease	No description available.

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Domain Description: Generic kind or type of disease affecting the vegetation in the area being sampled.



## NASIS 7.4.2 Domains

Domain Name: distribution\_status

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	in progress	In progress	The distribution request has been submitted but the processing of that request is not complete. The request may be being held for processing at a later time.
No	2	partially successful	Partially successful	The distribution request was processed to completion, but one or more of the legends, map units or components in the original request was not found in the database at the time the request was ultimately processed.
No	3	successful	Successful	The distribution request was processed to completion, and all requested legends, map units and components are present in the exported dataset.
No	4	not successful	Not successful	The distribution request failed to run to completion, and no data was exported.

---

Domain Description: The point at which a NASIS export request is currently at.

## NASIS 7.4.2 Domains

Domain Name: disturbance\_frequency

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	rarely applied	Rarely Applied	No description available.
No	2	occasionally applied	Occasionally applied	No description available.
No	3	systematically applied	Systematically applied	No description available.
No	4	unknown	Unknown	No description available.

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Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: disturbance\_impact

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	low	Low	No description available.
No	2	medium	Medium	No description available.
No	3	high	High	No description available.

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Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: disturbance\_last\_applied

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	within past year	Within past year	No description available.
No	2	within past 1 to 5 years	Within past 1 to 5 years	No description available.
No	3	within past 5 to 10 years	Within past 5 to 10 years	No description available.
No	5	within past 10 to 25 years	Within past 10 to 25 years	No description available.
No	6	within past 25 to 50 years	Within past 25 to 50 years	No description available.
No	7	more than 50 years ago	More than 50 years ago	No description available.
No	8	unknown	Unknown	No description available.
Yes	4	more than 10 years ago	More than 10 years ago	No description available.

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Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: disturbance\_type

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	animals, nonrodent	Nonrodent animals	Disturbance to soil or vegetation due to nonrodent animal activity.
No	2	animals, rodent	Rodents	Disturbance to soil or vegetation due to rodent activity.
No	3	brush management, biological	Biological brush management	Disturbance to vegetation due to biological brush management.
No	4	brush management, chemical	Chemical brush management	Disturbance primarily to vegetation due to chemical brush management; could also include soil disturbance either from residual chemical activity or from the mechanical application method.
No	5	brush management, mechanical	Mechanical brush management	Disturbance to vegetation and soil due to mechanical brush management.
No	6	construction activities	Construction activities	Disturbance to soil or vegetation due to any miscellaneous construction activities not otherwise specified.
No	7	cryoturbation	Cryoturbation	A significant disturbance of the soil due to cryoturbation; this is only appropriate on a site that does not experience cryoturbation as a normal phenomenon.
No	8	cultivation	Cultivation	Any human-induced disturbance of the soil surface for the purpose of growing a crop.
No	9	drainage	Drainage	A permanent drying of the site due to human induced lowering of the water table.
No	10	erosion, water	Water erosion	A significant removal or disturbance of the soil surface due to water erosion.
No	11	erosion, wind	Wind erosion	A significant removal or disturbance of the soil surface due to wind erosion.
No	12	fertilizer addition	Fertilizer addition	A significant change in vegetation composition due to the addition of soil nutrients.
No	13	firefighting operations	Firefighting operations	Disturbance to the site due to operations incurred while fighting or controlling a wildfire.
No	14	forest planting	Forest planting	Any disturbance of the soil surface for the purpose of planting trees.
No	15	hay removal	Hay removal	The cutting of live vegetation and the removal of the plant material for use as forage.
No	16	heavy machinery	Heavy machinery	Compaction impact and/or physical damage to vegetation from heavy machinery.
No	17	insect damage	Insect damage	Change in vegetation composition due to insect damage.
No	18	insecticide application	Insecticide application	A significant long-term disturbance of the vegetation due to insecticide; this would be secondary reaction to a significant change in the insect community.
No	19	land use conversion	Land use conversion	Complete removal of vegetation (especially trees) including root wads for conversion to another land use.
No	20	livestock grazing	Livestock grazing	Change in vegetation composition due to heavy grazing pressure by livestock.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	21	livestock heavy use	Livestock heavy use	Disturbance to soil and/or vegetation due to heavy stocking rate of livestock.
No	22	livestock tanks/spring development	Livestock tanks/spring development	Disturbance to soil or vegetation due to use of livestock tanks or development of springs.
No	23	livestock walkways	Livestock walkways	Disturbance to soil due to the development of livestock walkways.
No	24	mass land movement	Mass land movement	Disturbance to site due to the mass movement of soil (landslide).
No	25	mining equipment operations	Mining equipment operations	Disturbance to soil or vegetation due to mining equipment operations.
No	26	mowing/clipping	Mowing/clipping	The cutting of live vegetation and allowing the plant material to remain and decompose on site.
No	27	overhead transmission lines	Overhead transmission lines	Disturbance to soil or vegetation due to the construction or maintenance of overhead transmission lines.
No	28	plant disease damage	Plant disease damage	A significant long-term disturbance of the vegetation composition due to plant disease.
No	29	prescribed fire	Prescribed fire	Disturbance to the site due to exposure to prescribed fire, either ground, canopy, or both; also includes disturbance due to site preparation operations.
No	30	recreational foot traffic	Recreational foot traffic	Disturbance to soil or vegetation due to recreational foot traffic.
No	31	recreational vehicles	Recreational vehicles	Disturbance to soil or vegetation due to recreational vehicles, including motorbikes and ATVs.
No	32	roads, dirt	Dirt roads	Disturbance to site due to the construction of dirt roads.
No	33	roads, gravel	Gravel roads	Disturbance to site due to the construction of gravel roads.
No	34	roads, paved	Paved roads	Disturbance to site due to the construction of paved roads.
No	35	salt spray damage	Salt spray damage	Chemical disturbance to the soil or vegetation due to abnormal exposure to salt spray; this is only appropriate on a site that does not experience salt spray as a normal phenomenon.
No	36	seedbed preparation	Seedbed preparation	Any disturbance of the soil surface for the purpose of planting seed.
No	37	site preparation	Site preparation	Activities primarily for silvicultural objectives and prescription to generate a new crop or age class of trees, include slash piling.
No	38	snow/ice damage	Snow/ice damage	A significant long-term disturbance of the vegetation composition or soil due to snow/ice damage; this is only appropriate on a site that does not experience snow/ice as a normal phenomenon.
No	39	soil deposition by water	Soil deposition by water	Disturbance to the vegetation due to an accumulation of soil from water movement.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	40	soil deposition by wind	Soil deposition by wind	Disturbance to the vegetation due to an accumulation of soil from wind movement.
No	41	tidal surge/damage	Tidal surge/damage	Chemical or physical disturbance to the soil or vegetation due to abnormal exposure to tidal surge; this is only appropriate on a site that does not experience tidal surge as a normal phenomenon.
No	42	timber harvest, aerial or suspension	Timber harvest, aerial or suspension	Timber or tree yarding via log suspension systems that keep one or both ends off the ground.
No	43	timber harvest, clear-cut	Timber harvest, clear-cut	Disturbance to the soil and a significant long-term disturbance to the vegetation composition due to the removal of most trees; contrast against timber harvest, selective.
No	44	timber harvest, ground-based mechanical	Timber harvest, ground-based mechanical	Timber or tree yarding via ground-based machinery.
No	45	timber harvest, selective	Timber harvest, selective	Disturbance to the soil and a significant long-term disturbance to the vegetation composition due to the selective removal of certain trees; contrast against timber harvest, clear-cut.
No	46	transported fill material	Transported fill material	Disturbance to the site due the transport and deposition of off-site fill.
No	47	underground utilities	Underground utilities	Disturbance of the soil due to the construction and placement of underground utilities.
No	48	water flooding/ponding	water flooding/ponding	Disturbance of the site due to prolonged water exposure from flooding or ponding.
No	49	wildfire, canopy	Canopy wildfire	Disturbance to the site due to exposure to wildfire predominantly in the tree canopy.
No	50	wildfire, general	General wildfire	Disturbance to the site due to exposure to a combination of both ground and canopy wildfire.
No	51	wildfire, ground	Ground wildfire	Disturbance to the site due to exposure to wildfire predominantly in the understory.
No	52	wildlife grazing	Wildlife grazing	Change in vegetation composition due to heavy grazing pressure by wildlife.
No	53	wind storm damage	Wind storm damage	A significant long-term disturbance of the vegetation composition due to wind damage.
Yes	54	brush management, legacy	Brush management, legacy	Disturbance of the site and/or plant community due to past brush management practice of unknown method as recorded in legacy data.

Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: dmf\_site

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	indiana	Indiana	No description available.
No	2	montana	Montana	No description available.
No	3	missouri	Missouri	No description available.
No	4	ngmc	NGMC	No description available.
No	5	nevada	Nevada	No description available.
No	6	oregon	Oregon	No description available.
No	7	tennessee	Tennessee	No description available.

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Domain Description: The NRCS State Office or National Center where the digital map finishing was completed.



## NASIS 7.4.2 Domains

Domain Name: dmu\_certification\_status

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	not for distribution	not for distribution	The data map unit object has been created, but is not populated or the data are preliminary and incomplete. The data are subject to major changes. A data mapunit with this status should not be interpreted, exported, or used by other applications.
No	2	not certified	not certified	The data in the data map unit object have been created and have been appropriately populated, at least in part, but the data have not been reviewed or certified. Data in some data elements in these tables may be more complete than in others. These are advance data, subject to change.
No	5	partly certified, all components	partly certified, all components	The data for both major and minor components in the data mapunit object have been appropriately populated and the data have been reviewed. These data mapunits are typically associated with on-going projects. At least some of the data elements have been certified for use in specific applications. Other data elements in the object have advance data, subject to change.
No	6	partly certified, major components	partly certified, major components	The data for major components in the data mapunit object have been appropriately populated. Minor components are not intended for interpretation, and are populated with only a limited number of the most significant data elements. These data mapunits are typically associated with on-going projects. All the data have been reviewed, and at least some of the data elements have been certified for use in specific applications. Other data elements in the object have advance data, subject to change.
No	7	partly certified, minimal data	partly certified, minimal data	The data for major components in the data mapunit object have been populated and meet minimum standards, but some data elements are not appropriately populated. Minor components are not intended for interpretation, and are populated with only a limited number of the most significant data elements. These data mapunits are typically associated with initial soil surveys that were initiated years ago but are not yet completed. Data have received only a minimum amount of recent updating. The data mapunit does not have the level of quality and completeness equivalent to a recently populated dataset, but it is minimally acceptable. All the data have been reviewed, and at least some of the data elements have been certified for use in specific applications. Other data elements in the object are incomplete or have advance data, subject to change. Valid interpretations are available only for the major components with certified data elements, and some interpretations may be marginally valid.
No	8	certified, all components	certified, all components	The data for both major and minor components in the data mapunit object have been appropriately populated, reviewed, and certified for general use. Valid interpretations can be generated for all components.
No	9	certified, major components	certified, major components	The data for major components in the data mapunit object have been appropriately populated, reviewed, and certified for general use. Minor components are not intended for interpretation, and are populated with only a limited number of the most significant data elements. Valid interpretations can be generated for major components only.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	10	certified, minimal data	certified, minimal data	The data for major components in the data mapunit object have been populated, reviewed, and certified for general use. Minor components are not intended for interpretation, and are populated with only a limited number of the most significant data elements. These data mapunits are typically associated with initial soil surveys that were completed years ago. Data was originally populated under less stringent standards than are in place today, and data have received only a minimum amount of recent updating. The data mapunit does not have the level of quality and completeness equivalent to a recently populated dataset, but it is minimally acceptable and certifiable. Interpretations can be generated for major components only, and some interpretations may be only marginally valid.
Yes	3	partly certified	partly certified	The data in the data map unit object have been appropriately populated and the data have been reviewed. At least some of the data elements have been certified for use in specific applications. Other data elements in the object have advance data, subject to change.
Yes	4	certified	certified	The data in the data map unit object have been appropriately populated, reviewed, and certified for general use.

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Domain Description: Indicates the degree to which an object is ready to be used for its intended purpose.

## NASIS 7.4.2 Domains

Domain Name: dmu\_investigation\_intensity

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	order 1	Order 1	Very intensive (i.e., experimental plots or individual building sites.)
No	2	order 2	Order 2	Intensive (e.g. general agriculture, urban planning.)
No	3	order 3	Order 3	Extensive (i.e., range or community planning.)
No	4	order 4	Order 4	Extensive (e.g., general soil information for broad statements concerning land-use potential and general land management.)
No	5	order 5	Order 5	Very extensive (e.g., regional planning, selections of areas for more intensive study.)

---

Domain Description: This is the Orders of Mapping as described in the Reference: Soil Survey Manual.

## NASIS 7.4.2 Domains

Domain Name: document\_kind

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	audio	Audio	Audio file types.
No	2	images	Images	Image type files.
No	3	diagrams	Diagrams	No description available.
No	4	pdf	PDF	PDF files.
No	5	powerpoint	PowerPoint	Powerpoint files.
No	6	spreadsheets	Spreadsheets	Spreadsheet files. From any commercial off the shelf or open source spreadsheet program.
No	7	text	Text	Any text file from commercial off the shelf or open source program.
No	8	video	Video	Any of the more common video file formats.

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Domain Description: Type of document that is associated with a site observation.

## NASIS 7.4.2 Domains

Domain Name: dom\_ero\_depo\_form

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	sheet or rill erosion	Sheet or rill erosion	even soil loss or small channels of soil loss
No	2	ephemeral gully and or gully erosion	Ephemeral gully and or gully erosion	small ephemeral gullies that can be filled or tilled annually or large channels
No	3	wind scouring	Wind scouring	removal of surface material by wind
No	4	deposition	Deposition	loose material recently deposited on the soil surface by wind or water
No	5	roadway or skid trail	Roadway or Skid Trail	erosion and deposition on or next to disturbed pathways only
No	6	none	None	no apparent erosion or deposition

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Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: domain\_ordering

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	choice	Choice	No description available.
No	3	explicit	Explicit	No description available.

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Domain Description: The class or type of sorting (ordering) applied to the domain details list.

## NASIS 7.4.2 Domains

Domain Name: dominant\_vegetation

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	grass/forbs	Grass/Forbs	No description available.
No	2	shrubs	Shrubs	No description available.
No	3	trees	Trees	No description available.

---

Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: drainage\_class

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	excessively	Excessively drained	Water is removed very rapidly. The occurrence of internal free water commonly is very rare or very deep. The soils are commonly coarse-textured and have very high hydraulic conductivity or are very shallow. Soil Survey Manual, Chapter 3.
No	2	somewhat excessively	Somewhat excessively drained	Water is removed from the soil rapidly. Internal free water occurrence commonly is very rare or very deep. The soils are commonly coarse-textured and have high saturated hydraulic conductivity or are very shallow. Soil Survey Manual, Chapter 3.
No	3	well	Well drained	Water is removed from the soil readily but not rapidly. Internal free water occurrence commonly is deep or very deep; annual duration is not specified. Water is available to plants throughout most of the growing season in humid regions. Wetness does not inhibit growth of roots for significant periods during most growing seasons. The soils are mainly free of the deep to redoximorphic features that are related to wetness. Soil Survey Manual, Chapter 3.
No	4	moderately well	Moderately well drained	Water is removed from the soil somewhat slowly during some periods of the year. Internal free water occurrence commonly is moderately deep and transitory through permanent. The soils are wet for only a short time within the rooting depth during the growing season, but long enough that most mesophytic crops are affected. They commonly have a moderately low or lower saturated hydraulic conductivity in a layer within the upper 1 m, periodically receive high rainfall, or both. Soil Survey Manual, Chapter 3.
No	5	somewhat poorly	Somewhat poorly drained	Water is removed slowly so that the soil is wet at a shallow depth for significant periods during the growing season. The occurrence of internal free water commonly is shallow to moderately deep and transitory to permanent. Wetness markedly restricts the growth of mesophytic crops, unless artificial drainage is provided. The soils commonly have one or more of the following characteristics: low or very low saturated hydraulic conductivity, a high water table, additional water from seepage, or nearly continuous rainfall. Soil Survey Manual, Chapter 3.
No	6	poorly	Poorly drained	Water is removed so slowly that the soil is wet at shallow depths periodically during the growing season or remains wet for long periods. The occurrence of internal free water is shallow or very shallow and common or persistent. Free water is commonly at or near the surface long enough during the growing season so that most mesophytic crops cannot be grown, unless the soil is artificially drained. The soil, however, is not continuously wet directly below plow-depth. Free water at shallow depth is usually present. This water table is commonly the result of low or very low saturated hydraulic conductivity of nearly continuous rainfall, or of a combination of these. Soil Survey Manual, Chapter 3.



Obsolete?	ID	Data Entry Text	Label Text	Description
No	7	very poorly	Very poorly drained	Water is removed from the soil so slowly that free water remains at or very near the ground surface during much of the growing season. The occurrence of internal free water is very shallow and persistent or permanent. Unless the soil is artificially drained, most mesophytic crops cannot be grown. The soils are commonly level or depressed and frequently ponded. If rainfall is high or nearly continuous, slope gradients may be greater. Soil Survey Manual, Chapter 3.
No	8	subaqueous	Subaqueous	Free water is above the soil surface. The occurrence of internal free water is permanent and there is a positive water potential at the soil surface for more than 21 hours of each day. The soils have a peraquic soil moisture regime.

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Domain Description: Natural drainage class refers to the frequency and duration of wet periods under conditions similar to those under which the soil developed. Alteration of the water regime by man, either through drainage or irrigation, is not a consideration unless the alterations have significantly changed the morphology of the soil. Soil Survey Manual, Chapter 3.

## NASIS 7.4.2 Domains

Domain Name: drainage\_pattern

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	annular	Annular	A drainage pattern in which subsequent streams follow a roughly circular or concentric path along a belt of weak rocks, resembling in plan view, a ring-like pattern where the bedrock joints or fracturing control the parallel tributaries. It is best displayed in streams draining a maturely dissected granitic or sedimentary structural dome or basin where erosion has exposed rimming sedimentary strata of greatly varying degrees of hardness, as in the Red Valley which nearly encircles the domal structure of the Black Hills, SD.
No	2	artificial	Artificial	Human-made networks of drainage structures (ditches, canals, etc.) built primarily to lower or control the local water table in low lying, flat topography such as glacial lakebeds, broad flood plains, low coastal plains, or marshes most commonly in humid climates. (Irrigation ditches found in arid and semiarid climates, which bring water into the fields, should not be confused with drainage structures).
No	3	centripetal	Centripetal	A drainage pattern in which the streams converge inward toward a central depression; generally indicative of a structural basin, volcanic crater, caldera, breached dome, bolson, or the end of an eroded anticline or syncline.
No	4	dendritic	Dendritic	A common drainage pattern in which the tributaries join the gently curving mainstream at acute angles, resembling in plan view the branching habit of an oak or chestnut tree; it is produced where a consequent stream receives several tributaries which in turn are fed by smaller tributaries. It indicates streams flowing across horizontal rock strata and homogenous soil typified by the landforms of soft sedimentary rocks, volcanic tuff, old dissected coastal plains, or complex crystalline rocks offering uniform resistance to erosion.
No	5	deranged	Deranged	A distinctively disordered drainage pattern of nonintegrated streams which indicates a complete lack of underlying structural and bedrock control, resulting from a relatively young landscape having a flat or undulating topographic surface and a high water table. It is characterized by relatively few, irregular streams with few, short tributaries, that flow into and out of depressions containing swamps, bogs, marshes, ponds, or lakes; interstream areas are swampy. Regional streams may meander through the area but do not influence its drainage. These drainage patterns commonly occur on young, thick till plains, end moraines, flood plains, and coastal plains.
No	6	karst	Karst	A drainage pattern that lacks an integrated drainage system associated with soluble rocks with little or no surface drainage but a considerable underground, internal drainage system; characteristic of karst landscapes underlain by limestone, gypsum or salt.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	7	parallel	Parallel	A drainage pattern in which the streams and their tributaries are regularly spaced and flow parallel or subparallel to one another and tributaries characteristically join the mainstream at approximately the same angle, over a considerable area. It is indicative of a region having a pronounced, uniform slope and a homogeneous lithology and rock structure, such as young coastal plains and large basalt flows.
No	8	pinnate	Pinnate	A variation of the dendritic drainage pattern in which the main stream receives many closely spaced, subparallel tributaries that join it at slightly acute angles upstream, resembling in plan a feather. They typically form on steep slopes with soils that have a high silt content, such as loess landscapes or fine-textured flood plains.
No	9	radial	Radial	A drainage pattern in which consequent streams radiate or diverge outward, like the spokes of a wheel from a high central area.; a major collector stream is usually found in a curvilinear alignment around the bottom of the elevated topographic feature. It is best developed on the slopes of a young domal structure, a volcanic cone, or isolated hills (erosional remnant).
No	10	rectangular	Rectangular	A drainage pattern in which the tributaries join the main streams at right-angles, and exhibit sections of approximately the same length which form rectangular shapes; it is indicative of streams following prominent bedrock fault, joint, or foliation systems that break the rocks into rectangular blocks. It is more irregular than the trellis drainage pattern, as the side streams are not perfectly parallel and not necessarily as conspicuously elongated, and secondary tributaries need not be present. The stronger or more harsh the pattern, the thinner the soil cover. These patterns commonly form in slate, schist, and gneiss, in resistive sandstone in arid climates, or in sandstone in humid climates if little soil has developed.
No	11	thermokarst	Thermokarst	Drainage patterns that form polygonal and hexagonal shapes with streams that may connect rounded depressions, exhibiting a beaded appearance; developed in poorly drained, fine-grained sediments and in organic materials in regions of permafrost. Freezing causes many cracks to develop; thawing causes slumping, settlement, and depressions. This type of drainage pattern with its associated hexagons and beaded ponds indicates the existence or previous presence of permafrost conditions.
No	12	trellis	Trellis	A drainage pattern characterized by parallel main streams intersected at, or nearly at, right angles by their tributaries, which in turn are fed by elongated secondary tributaries and short gullies parallel to the main streams, resembling, in plan view, the stems of a vine on a trellis. This pattern indicates marked bedrock structural control rather than a type of bedrock and usually indicates in which the main parallel channels follow the strike of the beds. It is commonly developed where the beveled edges of alternating hard and soft rocks outcrop in parallel belts, as in tilted, interbedded sedimentary rocks in a rejuvenated folded-mountain region or in a maturely dissected belted coastal plain of tilted strata.

## NASIS 7.4.2 Domains

Domain Name: dsp\_site\_type

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	main	Main	This site is the central point of the DSP plot.
No	2	satellite	Satellite	This site is a replicate within the DSP plot.

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Domain Description: The type of site being sampled for a DSP study.

## NASIS 7.4.2 Domains

Domain Name: earth\_cover\_kind\_level\_one

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	artificial cover	Artificial cover	Nonvegetative cover either made or modified by human activity and prohibiting or restricting vegetative growth and water penetration.
No	2	barren land	Barren land	Nonvegetative natural cover often having a limited capacity to support vegetation - including construction sites (<5% vegetated).
No	3	crop cover	Crop cover	The full cycle, including land preparation and post-harvest residue cover of annual or perennial herbaceous plants that are cultivated or harvested, or both, for the production of food, feed, oil, and fiber other than wood, and excluding hay and pasture.
No	4	grass/herbaceous cover	Grass/herbaceous cover	Non-woody vegetative cover composed of annual or perennial grasses, grass-like plants (sedges/rushes), forbs (including alfalfa and clovers), lichens, mosses, and ferns (>75% grass, grass-like, forb cover).
No	5	shrub cover	Shrub cover	Vegetative cover composed of multi-stemmed and single-stemmed woody plants that attain a mature height of less than four meters (>50% shrub canopy cover).
No	6	tree cover	Tree cover	Vegetative cover recognized as woody plants which usually have one perennial stem, a definitely formed crown of foliage, and a mature height of at least four meters (including ornamentals and Christmas trees) (>25% tree canopy cover).
No	7	water cover	Water cover	Earth covered by water in a fluid state. This includes seasonally frozen areas.
Yes	8	other	Other	No description available.
Yes	9	wetlands, drained	Wetlands, drained	No description available.
Yes	10	wetlands	Wetlands	No description available.

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Domain Description: The primary, or dominant, land cover at the site at the date of observation. Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012

## NASIS 7.4.2 Domains

Domain Name: earth\_cover\_kind\_level\_two

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	row crop	Row crop	e.g. corn, soybeans, cotton, tomatoes and other truck crops, tulips
No	2	close-grown crop	Close-grown crop	Wheat, rice, oats, rye, etc.
No	3	rangeland, grassland	Grassland rangeland	(<10% trees, <20% shrubs) - includes rangeland used for hayland - bluestems, mixed midgrasses, shortgrass, etc.
No	4	rangeland, savanna	Savanna rangeland	10 to 25% tree cover
No	5	rangeland, shrubby	Shrubby rangeland	(20 to 50% shrub cover) - sumac, sagebrush, mesquite
No	6	rangeland, tundra	Tundra rangeland	Dominated by plants and shrubs that are eaten by grazing or browsing animals above tree line, as determined by altitude and/or latitude.
No	7	pastureland, tame	Tame pastureland	Fescues, brome grass, timothy, lespedeza, etc.
No	8	hayland	Hayland	Fescues, brome grass, timothy, alfalfa, etc.
No	9	marshland	Marshland	grass, grass-like plants
No	10	other grass/herbaceous cover	Other grass/herbaceous cover	Other grasses or Graminoids.
No	11	crop trees	Crop trees	e.g. apples, pecans, date palms, citrus, ornamental nursery stock, Christmas trees
No	12	conifers	Conifers	Spruce, Douglas-fir, pine, etc.
No	13	hardwoods	Hardwoods	Oak, hickory, elm, aspen, etc.
No	14	intermixed conifers and hardwoods	Intermixed conifers and hardwoods	e.g. oak-pine mix
No	15	tropical	Tropical	Mangrove, royal palm, etc.
No	16	swamp	Swamp	shrubs and trees
No	17	other tree cover	Other tree cover	Other trees.
No	18	crop shrubs	Crop shrubs	Filbert, blueberry, and ornamentals, etc. as nursery stock
No	19	crop vines	Crop vines	e.g. grapes, blackberries, raspberries
No	20	native shrubs	Native shrubs	e.g. creosotebush, shrub live oak, sagebrush, mesquite (including rangeland with >50% shrub cover)
No	21	other shrub cover	Other shrub cover	e.g. kudzu, cacti, yucca

Obsolete?	ID	Data Entry Text	Label Text	Description
No	22	rock	Rock	Rock cover is dominant.
No	23	sand and gravel	Sand and gravel	Surface is predominately sand and gravel.
No	24	culturally induced barren	Culturally induced barren	saline seeps, mines, quarries, oil-waste, etc.
No	25	permanent snow and ice	Permanent snow and ice	Earth surface is permanently covered by snow and ice.
No	26	other barren	Other barren	salt flats, slickspots, mud flats, badlands, etc.; excludes those in culturally induced earth cover
No	27	rural transportation	Rural transportation	Highways, railroads, etc.
No	28	urban and built-up	Urban and built-up	Cities, towns, farmsteads, industrial sites

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Domain Description: The secondary land cover at the site at the date of observation. Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012

## NASIS 7.4.2 Domains

Domain Name: eco\_site\_correlation\_event

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	site approved	Site Approved	No description available.
No	2	site correlated	Site Correlated	No description available.

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Domain Description: The correlation event that happened to determine the eco site correlation kind. Added for 7.4.1



## NASIS 7.4.2 Domains

Domain Name: eco\_site\_correlation\_kind

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	status change - added	Status Change - Added	No description available.
No	2	status change - dropped or combined	Status Change - Dropped or Combined	No description available.
No	3	status change - reinstated	Status Change - Reinstated	No description available.

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Domain Description: The kind of correlation that the Ecological Site has been in through its history. Added for 7.4.1

## NASIS 7.4.2 Domains

Domain Name: ecological\_site\_lrr

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	ax	AX	No description available.
No	2	bx	BX	No description available.
No	3	cx	CX	No description available.
No	4	dx	DX	No description available.
No	5	ex	EX	No description available.
No	6	fx	FX	No description available.
No	7	gx	GX	No description available.
No	8	hx	HX	No description available.
No	9	ix	IX	No description available.
No	10	jx	JX	No description available.
No	11	kx	KX	No description available.
No	12	lx	LX	No description available.
No	13	mx	MX	No description available.
No	14	nx	NX	No description available.
No	15	ox	OX	No description available.
No	16	px	PX	No description available.
No	17	qx	QX	No description available.
No	18	rx	RX	No description available.
No	19	sx	SX	No description available.
No	20	tx	TX	No description available.
No	21	ux	UX	No description available.
No	22	vx	VX	No description available.
No	23	w1	W1	No description available.
No	24	w2	W2	No description available.
No	25	x1	X1	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	26	x2	X2	No description available.
No	27	yx	YX	No description available.
No	28	zx	Zx	No description available.

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Domain Description: 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. Reference: Part 649 NSSH. Added for NASIS 7.4.1

## NASIS 7.4.2 Domains

Domain Name: ecological\_site\_lru

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	A	A	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	2	B	B	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	3	C	C	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	4	D	D	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	5	E	E	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	6	F	F	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	7	G	G	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	8	H	H	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	9	I	I	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	10	J	J	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	11	K	K	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	12	L	L	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	13	M	M	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	14	N	N	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	15	O	O	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS

Obsolete?	ID	Data Entry Text	Label Text	Description
No	16	P	P	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	17	Q	Q	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	18	R	R	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	19	S	S	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	20	T	T	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	21	U	U	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	22	V	V	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	23	W	W	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	24	X	X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	25	Y	Y	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	26	Z	Z	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS

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Domain Description: Land resource units (LRUs) are the basic units from which major land resource areas (MLRAs) are determined. They are also the basic units for State land resource maps. They are typically coextensive with State general soil map units, but some general soil map units are subdivided into land resource units because of significant geographic differences in climate, water resources, or land use. Reference: Ag Handbook 296

## NASIS 7.4.2 Domains

Domain Name: ecological\_site\_mlra

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	001X	001X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	2	002X	002X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	3	003X	003X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	5	005X	005X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	6	006X	006X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	7	007X	007X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	8	008X	008X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	9	009X	009X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	10	010X	010X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	12	011X	011X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	15	012X	012X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	16	013X	013X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	17	014X	014X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	18	015X	015X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	19	016X	016X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS

Obsolete?	ID	Data Entry Text	Label Text	Description
No	20	017X	017X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	21	018X	018X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	22	019X	019X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	23	020X	020X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	24	021X	021X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	26	023X	023X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	27	024X	024X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	28	025X	025X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	29	026X	026X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	30	027X	027X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	31	028A	028A	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	32	028B	028B	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	33	029X	029X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	34	030X	030X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	35	031X	031X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	36	032X	032X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	39	035X	035X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS

Obsolete?	ID	Data Entry Text	Label Text	Description
No	40	036X	036X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	44	038X	038X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	45	039X	039X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	46	040X	040X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	47	041X	041X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	48	042X	042X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	49	042A	042A	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	50	042B	042B	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	51	042C	042C	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	54	046X	046X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	55	047X	047X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	56	048A	048A	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	57	048B	048B	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	58	049X	049X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	61	051X	051X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	62	052X	052X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	63	053A	053A	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS



Obsolete?	ID	Data Entry Text	Label Text	Description
No	64	053B	053B	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	65	054X	054X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	66	055A	055A	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	67	055B	055B	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	68	055C	055C	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	69	056X	056X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	70	057X	057X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	71	058A	058A	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	72	058B	058B	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	73	058C	058C	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	74	058D	058D	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	75	060A	060A	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	76	060B	060B	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	77	061X	061X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	78	062X	062X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	79	063A	063A	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	80	063B	063B	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS

Obsolete?	ID	Data Entry Text	Label Text	Description
No	81	064X	064X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	82	065X	065X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	83	066X	066X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	85	069X	069X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	87	070A	070A	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	88	070B	070B	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	89	070C	070C	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	90	070D	070D	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	92	071X	071X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	93	072X	072X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	94	073X	073X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	95	074X	074X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	96	075X	075X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	97	076X	076X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	99	077A	077A	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	100	077B	077B	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	101	077C	077C	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS

Obsolete?	ID	Data Entry Text	Label Text	Description
No	102	077D	077D	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	103	077E	077E	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	105	078A	078A	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	106	078B	078B	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	107	078C	078C	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	109	079X	079X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	110	080A	080A	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	111	080B	080B	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	112	081A	081A	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	113	081B	081B	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	114	081C	081C	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	115	081D	081D	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	117	082A	082A	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	118	082B	082B	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	119	083A	083A	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	120	083B	083B	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	121	083C	083C	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS

Obsolete?	ID	Data Entry Text	Label Text	Description
No	122	083D	083D	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	123	084A	084A	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	124	084B	084B	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	125	084C	084C	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	126	085X	085X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	127	085A	085A	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	128	085B	085B	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	130	086A	086A	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	131	086B	086B	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	133	087A	087A	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	134	087B	087B	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	135	088X	088X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	137	091X	091X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	138	092X	092X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	140	094A	094A	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	141	094B	094B	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	142	095A	095A	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS

Obsolete?	ID	Data Entry Text	Label Text	Description
No	143	095B	095B	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	144	096X	096X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	145	097X	097X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	146	098X	098X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	147	099X	099X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	149	101X	101X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	150	102A	102A	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	151	102B	102B	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	152	102C	102C	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	153	103X	103X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	154	104X	104X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	155	105X	105X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	156	106X	106X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	157	107X	107X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	158	108X	108X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	159	108A	108A	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	160	108B	108B	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS

Obsolete?	ID	Data Entry Text	Label Text	Description
No	161	108C	108C	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	162	108D	108D	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	163	109X	109X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	164	110X	110X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	165	111X	111X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	166	112X	112X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	167	113X	113X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	168	114X	114X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	169	115X	115X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	170	115A	115A	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	171	115B	115B	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	172	115C	115C	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	173	116A	116A	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	174	116B	116B	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	175	117X	117X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	177	118A	118A	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	178	118B	118B	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS

Obsolete?	ID	Data Entry Text	Label Text	Description
No	179	119X	119X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	181	121X	121X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	182	122X	122X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	183	123X	123X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	184	124X	124X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	185	125X	125X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	186	126X	126X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	187	127X	127X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	188	128X	128X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	189	129X	129X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	192	133A	133A	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	193	133B	133B	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	194	134X	134X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	196	136X	136X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	197	137X	137X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	198	138X	138X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	199	139X	139X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS

Obsolete?	ID	Data Entry Text	Label Text	Description
No	200	140X	140X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	201	141X	141X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	202	142X	142X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	203	143X	143X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	204	144A	144A	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	205	144B	144B	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	206	145X	145X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	207	146X	146X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	208	147X	147X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	209	148X	148X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	210	149A	149A	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	211	149B	149B	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	212	150A	150A	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	213	150B	150B	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	214	151X	151X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	215	152A	152A	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	216	152B	152B	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS



Obsolete?	ID	Data Entry Text	Label Text	Description
No	217	153A	153A	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	218	153B	153B	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	219	153C	153C	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	220	153D	153D	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	221	154X	154X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	222	155X	155X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	223	156A	156A	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	224	156B	156B	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	225	157X	157X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	226	158X	158X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	228	160X	160X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	230	162X	162X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	231	163X	163X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	232	164X	164X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	233	165X	165X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	234	166X	166X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	235	167X	167X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS

Obsolete?	ID	Data Entry Text	Label Text	Description
No	251	190X	190X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	252	191X	191X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	253	192X	192X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	254	193X	193X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	255	194X	194X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	256	195X	195X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	257	196X	196X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	258	197X	197X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	265	270X	270X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	266	271X	271X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	267	272X	272X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	268	273X	273X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	269	053C	053C	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	271	004A	004A	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	272	004B	004B	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	273	022A	022A	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	274	022B	022B	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS

Obsolete?	ID	Data Entry Text	Label Text	Description
No	275	034A	034A	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	276	034B	034B	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	277	043A	043A	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	278	043B	043B	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	279	043C	043C	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	280	067A	067A	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	281	067B	067B	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	282	083E	083E	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	283	089X	089X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	284	090A	090A	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	285	090B	090B	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	286	091A	091A	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	287	091B	091B	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	288	093A	093A	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	289	093B	093B	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	290	094C	094C	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	291	094D	094D	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS

Obsolete?	ID	Data Entry Text	Label Text	Description
No	292	107A	107A	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	293	107B	107B	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	294	111A	111A	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	295	111B	111B	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	296	111C	111C	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	297	111D	111D	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	298	111E	111E	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	299	114A	114A	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	300	114B	114B	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	301	116C	116C	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	302	120A	120A	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	303	120B	120B	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	304	130A	130A	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	305	130B	130B	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	306	131A	131A	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	307	131B	131B	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	308	131C	131C	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS

Obsolete?	ID	Data Entry Text	Label Text	Description
No	309	131D	131D	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	310	135A	135A	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	311	135B	135B	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	312	159A	159A	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	313	159B	159B	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	314	161A	161A	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	315	161B	161B	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	316	220X	220X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	317	221X	221X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	318	222X	222X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	319	223X	223X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	320	224X	224X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	321	225X	225X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	322	226X	226X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	323	227X	227X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	324	228X	228X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	325	229X	229X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS

Obsolete?	ID	Data Entry Text	Label Text	Description
No	326	230X	230X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	327	231X	231X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	328	232X	232X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	329	233X	233X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	330	234X	234X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	331	235X	235X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	332	236X	236X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	333	237X	237X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	334	238X	238X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	335	239X	239X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	336	240X	240X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	337	241X	241X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	338	242X	242X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	339	243X	243X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	340	244X	244X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	341	245X	245X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	342	246X	246X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS

Obsolete?	ID	Data Entry Text	Label Text	Description
No	343	120C	120C	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	344	044A	044A	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	345	044B	044B	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	346	056A	056A	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	347	056B	056B	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	348	095X	095X	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	349	102D	102D	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
No	350	133C	133C	Reference: Land Resource Regions and Major Land Resource Areas of the United States. Agricultural Handbook No. 296, USDA-NRCS
Yes	4	004X	004X	No description available.
Yes	11	010A	010A	No description available.
Yes	13	011A	011A	No description available.
Yes	14	011B	011B	No description available.
Yes	25	022X	022X	No description available.
Yes	37	033X	033X	No description available.
Yes	38	034X	034X	No description available.
Yes	41	036A	036A	No description available.
Yes	42	036B	036B	No description available.
Yes	43	037X	037X	No description available.
Yes	52	043X	043X	No description available.
Yes	53	044X	044X	No description available.
Yes	59	049A	049A	No description available.
Yes	60	049B	049B	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	84	067X	067X	No description available.
Yes	86	070X	070X	No description available.
Yes	91	070E	070E	No description available.
Yes	98	077X	077X	No description available.
Yes	104	078X	078X	No description available.
Yes	108	078D	078D	No description available.
Yes	116	082X	082X	No description available.
Yes	129	086X	086X	No description available.
Yes	132	087X	087X	No description available.
Yes	136	090X	090X	No description available.
Yes	139	093X	093X	No description available.
Yes	148	100X	100X	No description available.
Yes	176	118X	118X	No description available.
Yes	180	120X	120X	No description available.
Yes	190	130X	130X	No description available.
Yes	191	131X	131X	No description available.
Yes	195	135X	135X	No description available.
Yes	227	159X	159X	No description available.
Yes	229	161X	161X	No description available.
Yes	236	168X	168X	No description available.
Yes	237	169X	169X	No description available.
Yes	238	170X	170X	No description available.
Yes	239	171X	171X	No description available.
Yes	240	172X	172X	No description available.
Yes	241	173X	173X	No description available.
Yes	242	174X	174X	No description available.
Yes	243	175X	175X	No description available.



Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	244	176X	176X	No description available.
Yes	245	177X	177X	No description available.
Yes	246	178X	178X	No description available.
Yes	247	179X	179X	No description available.
Yes	248	180X	180X	No description available.
Yes	249	181X	181X	No description available.
Yes	250	182X	182X	No description available.
Yes	259	198X	198X	No description available.
Yes	260	199X	199X	No description available.
Yes	261	200X	200X	No description available.
Yes	262	201X	201X	No description available.
Yes	263	202X	202X	No description available.
Yes	264	203X	203X	No description available.
Yes	270	081X	081X	No description available.

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Domain Description: Major land resource areas (MLRAs) are geographically associated land resource units (LRUs). Identification of these large areas is important in statewide agricultural planning and has value in interstate, regional, and national planning. Reference: Ag Handbook 296

## NASIS 7.4.2 Domains

Domain Name: ecological\_site\_type

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	F	Forestland	Sites where the historic climax vegetation was dominated by at least 25% overstory tree canopy as determined by crown perimeter vertical projection.
No	2	R	Rangeland	Sites where the overstory tree production was not significant (<25%) in the historic climax vegetation.

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Domain Description: Obsolete in NASIS.

## NASIS 7.4.2 Domains

Domain Name: editor\_site

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	portland, or	Portland, OR	No description available.
No	6	lakewood, co	Lakewood, CO	No description available.
No	9	temple, tx	Temple, TX	No description available.
No	12	amherst, ma	Amherst, MA	No description available.
No	19	nssc	NSSC	No description available.
Yes	2	davis, ca	Davis, CA	No description available.
Yes	3	reno, nv	Reno, NV	No description available.
Yes	4	bozeman, mt	Bozeman, MT	No description available.
Yes	5	salina, ks	Salina, KS	No description available.
Yes	7	bismarck, nd	Bismarck, ND	No description available.
Yes	8	phoenix, az	Phoenix, AZ	No description available.
Yes	10	st. paul, mn	St. Paul, MN	No description available.
Yes	11	indianapolis, in	Indianapolis, IN	No description available.
Yes	13	morgantown, wv	Morgantown, WV	No description available.
Yes	14	raleigh, nc	Raleigh, NC	No description available.
Yes	15	auburn, al	Auburn, AL	No description available.
Yes	16	little rock, ar	Little Rock, AR	No description available.
Yes	17	palmer, ak	Palmer, AK	No description available.
Yes	18	lexington, ky	Lexington, KY	No description available.

---

Domain Description: Offices where documents created for projects being conducted at various soil survey offices can be sent for editing.

## NASIS 7.4.2 Domains

Domain Name: effervescence\_agent

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	hcl, unspecified	HCl, unspecified	Hydrogen chloride of unspecified concentration.
No	2	hcl, 1n	HCl, 1 normal	1 normal hydrogen chloride.
No	5	hcl, 3n	HCl, 3 normal	3 normal hydrogen chloride.
No	6	hcl, 6n	HCL, 6 normal	6 normal hydrogen chloride solution.
Yes	3	hydrogen peroxide, 3-4%	Hydrogen peroxide, 3 to 4 percent	Hydrogen peroxide, 3 to 4 percent concentration.
Yes	4	hydrogen peroxide, unspecified	Hydrogen peroxide, unspecified	Hydrogen peroxide of unspecified concentration.

---

Domain Description: Chemical agent used when various elements or compounds that effervesce are suspected in the soil. Not used when Mn is suspected. Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012

## NASIS 7.4.2 Domains

Domain Name: effervescence\_agent\_mn

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	hydrogen peroxide, 3-4%	Hydrogen peroxide, 3 to 4 percent	Hydrogen peroxide, 3 to 4 percent concentration.
No	2	hydrogen peroxide, unspecified	Hydrogen peroxide, unspecified	Hydrogen peroxide of unspecified concentration.

---

Domain Description: Chemical agent used when Mn is suspected in the soil. Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012

## NASIS 7.4.2 Domains

Domain Name: effervescence\_class

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	very slight	Very slightly effervescent	Few bubbles seen. (SSM)
No	2	slight	Slightly effervescent	Bubbles readily seen. (SSM)
No	3	strong	Strongly effervescent	Bubbles form low foam. (SSM)
No	4	violent	Violently effervescent	Thick foam forms quickly. (SSM)
No	5	none	Noneffervescent	No bubbles seen. (SSM)

---

Domain Description: The gaseous response (seen as bubbles) of soil to applied HCl (carbonate test), H<sub>2</sub>O<sub>2</sub> (MnO<sub>2</sub> test), or other chemicals. Commonly, approximately 1 N HCl is used for carbonate test. Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012

## NASIS 7.4.2 Domains

Domain Name: elec\_cond\_method

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	ec meter, 1:1 water	EC meter, 1:1 water	Either a pocket or desktop model.
No	2	ec meter, saturated paste	EC meter, saturated paste	Either a pocket or desktop model.
No	5	salinity probe	Salinity probe	4 electrode method, either in a side-by-side or vertical arrangement
Yes	3	colormetric	Colormetric	No description available.
Yes	4	electromagnetic induction	Electromagnetic induction	e.g. EM38 meter

---

Domain Description: Field method used to determine the electrical conductivity of the soil.

## NASIS 7.4.2 Domains

Domain Name: erosion\_accelerated\_kind

Obsolete?	ID	Data Entry Text	Label Text	Description
No	3	water erosion sheet	Sheet erosion	The more or less uniform removal of soil from an area without the development of conspicuous water channels. (SSM)
No	4	water erosion rill	Rill erosion	Rill erosion is the removal of soil through the cutting of many small, but conspicuous channels where runoff concentrates. The channels are shallow enough that they can be obliterated with normal tillage operations. (SSM)
No	5	water erosion gully	Gully erosion	Gully erosion is the consequence of water that cuts down into the soil along the line of water concentration and flow. The resulting channels cannot be obliterated by ordinary tillage operations. (SSM)
No	6	water erosion tunnel	Tunnel erosion	The removal of soil by the formation of subsurface tunnels (often referred to as piping). Free water enters the soil through macropores such as large desication cracks or rodent burrows. The tunnels tend to enlarge and coalesce.
No	7	wind erosion	Wind erosion	Deflation by wind.
Yes	1	landslip erosion highly deformed	Highly deforming landslip erosion	No description available.
Yes	2	landslip erosion slightly deformed	Slightly deforming landslip erosion	No description available.
Yes	8	water erosion	Water erosion	Soil removal by running water.
Yes	9	wind and water erosion	Wind and water erosion	No description available.

---

Domain Description: Type of detachment and removal of surface soil particles that is largely affected by human activity. Reference: Part 618 National Soil Survey Handbook. The specific type of water or wind erosion that is causing erosion to move at rate visible to the eye. Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012



## NASIS 7.4.2 Domains

Domain Name: erosion\_class

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1 0		None - deposition	No apparent erosion has occurred. Deposition of soil sediment removed from other areas may have occurred.
No	2 1		Class 1	The soil has lost on the average <25% of the original A and/or E horizons, or of the uppermost 20 cm if the original A and/or E horizons were less than 20 cm thick. (SSM)
No	3 2		Class 2	The soil has lost, on the average, 25 to 75 percent of the original A and/or E horizons, or of the uppermost 20 cm if the original A and/or E horizons were less than 20 cm thick.
No	4 3		Class 3	The soil has lost, on the average, more than 75 percent of the original A and/or E horizon, or of the uppermost 20 cm if the original A and/or E horizons were less than 20 cm thick. (SSM)
No	5 4		Class 4	The soil has lost all of the original A and/or E horizons, or the uppermost 20 cm if the original A and/or E horizons were less than 20 cm thick. Some of the original underlying material may have also been removed. (SSM)

---

Domain Description: Class of accelerated erosion. Reference: Part 618 National Soil Survey Handbook. Estimated % loss of the original, combined A + E horizons or the estimated loss of the upper 20 cm (if original, combined A + E horizons were <20 cm thick). Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012

## NASIS 7.4.2 Domains

Domain Name: erosion\_class\_legacy

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	moderate or less	Moderate or less	Encompasses erosion classes 1 and 2. Added as a legacy choice from the ESIS database when the ESI data (from ESIS) was imported into NASIS. Actual definition of this choice is unknown.
No	2	severe or greater	Severe or greater	Encompasses erosion classes 3 and greater. Added as a legacy choice from the ESIS database when the ESI data (from ESIS) was imported into NASIS. Actual definition of this choice is unknown.

---

Domain Description: Erosion class brought over from the ESIS database when ESI data was converted and imported into NASIS.

## NASIS 7.4.2 Domains

Domain Name: evaluation\_type

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	ArbitraryCurve	ArbitraryCurve	No description available.
No	2	ArbitraryLinear	ArbitraryLinear	No description available.
No	3	Beta	Beta	No description available.
No	4	Crisp	Crisp	No description available.
No	5	Gauss	Gauss	No description available.
No	6	Linear	Linear	No description available.
No	7	PI	PI	No description available.
No	8	Sigmoid	Sigmoid	No description available.
No	9	Trapezoid	Trapezoid	No description available.
No	10	Triangle	Triangle	No description available.
No	11	IsNull	IsNull	No description available.

---

Domain Description: An evaluation is some test that will be applied to the data returned from a property to determine the truth of some proposition. Evaluations can be either fuzzy (returning any value between 0 and 1) or crisp (returning only 0 or 1). Reference: Chapter 21, NASIS User Guide.

## NASIS 7.4.2 Domains

Domain Name: excavation\_difficulty\_class

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	low	Low	Excavations can be made with a spade using arm-applied pressure only. Neither application of impact energy nor application of foot pressure is necessary.
No	2	moderate	Moderate	Excavation can be accomplished quite easily by application of impact energy with a spade or by foot applied pressure.
No	3	high	High	Excavation with a spade can be accomplished with difficulty. Excavation is easily possible with a full length pick, using an over-the-head swing.
No	4	very high	Very high	Excavation with a full length pick using an over-the-head swing is moderately to markedly difficult. Excavation is possible in a reasonable period of time with a backhoe mounted on a 40 to 60 kW (50-80 hp) tractor.
No	5	extremely high	Extremely high	Excavation cannot be accomplished in a reasonable time period with a backhoe mounted on a 40 to 60 kW (50-80 hp) tractor.

---

Domain Description: Relative class used for soil layers, horizons, pedons, or geologic layers and estimate the difficulty of making an excavation into them. Reference: Part 618 National Soil Survey Handbook. Excavation difficulty, in most instances, is strongly controlled by water state, which should be specified. The relative force or energy required to dig soil out of place. Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012

## NASIS 7.4.2 Domains

Domain Name: export\_certification\_status

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	not certified	not certified	The legend and data mapunits to be included in the export file have been appropriately populated, at least in part, but have not been reviewed or certified. These are advance data, subject to change. This certification applies to the whole export package as a single entity.
No	4	partly certified, all components	partly certified, all components	This certification applies to the whole export package as a single entity. The legend and data mapunits to be included in the export file have been appropriately populated (both major and minor components) and the data elements have been reviewed. These datasets are typically exports from on-going projects. At least some of the data elements have been certified for use in specific applications. Other data elements in the export have advance data, subject to change. Both major and minor components are intended for interpretation. The components with uncertified data elements may not have valid interpretations.
No	5	partly certified, major components	partly certified, major components	This certification applies to the whole export package as a single entity. The legend and data mapunits to be included in the export file have been appropriately populated (major components only) and the data elements have been reviewed. Minor components are not intended for interpretation, and are populated with only a limited number of data elements. These datasets are typically exports from on-going projects. At least some of the data elements have been certified for use in specific applications. Other data elements in the export have advance data, subject to change. The major components with uncertified data elements may not have valid interpretations. Minor components are not sufficiently populated to allow valid interpretations.
No	6	certified, all components	certified, all components	This certification applies to the whole export package as a single entity. The legend and data mapunits to be included in the export file have been appropriately populated, reviewed, and certified for general use. Both major and minor components are fully populated. These datasets are typically exports from completed projects. Valid interpretations are available for both major and minor components.
No	7	certified, major components	certified, major components	This certification applies to the whole export package as a single entity. The legend and data mapunits to be included in the export file have been appropriately populated (major components only). Minor components are not intended for interpretation, and are populated with only a limited number of data elements. Data have been reviewed and certified for general use. These datasets are typically exports from completed projects. Valid interpretations are available for major components only.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	8	certified, minimal data	certified, minimal data	This certification applies to the whole export package as a single entity. The legend and data mapunits to be included in the export file have been populated (major components only). Minor components are not intended for interpretation, and are populated with only a limited number of data elements. Data have been reviewed and certified for general use. These datasets are typically exports from initial soil surveys that were completed years ago. Data was originally populated under less stringent standards than are in place today, and data have received only a minimum amount of recent updating. The data in the export does not have the level of quality and completeness equivalent to a recently populated dataset, but it is minimally acceptable and certifiable. Valid interpretations are available for all soil map units but for major components only, and some interpretations may be marginally valid.
No	9	status unknown, record inserted during conversion	status unknown, record inserted during conversion	No description available.
Yes	2	partly certified	partly certified	The legend and data mapunits to be included in the export file have been appropriately populated and the data have been reviewed. At least some of the data elements have been certified for use in specific applications. Other data elements in the export have advance data, subject to change. This certification applies to the whole export package as a single entity.
Yes	3	fully certified	fully certified	The legend and data mapunits to be included in the export file have been appropriately populated, reviewed, and certified for general use. This certification applies to the whole export package as a single entity.

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Domain Description: Indicates the degree to which an object is ready to be used for its intended purpose.

## NASIS 7.4.2 Domains

Domain Name: export\_target

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	ssurgo	SSURGO	The traditional ASCII SSURGO export.
No	2	staging server	Staging Server	No description available.

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Domain Description: Destination to which a soil survey exported is intended. Either the Soil Data Warehouse or SSURGO (i.e. Soil Data Mart).

## NASIS 7.4.2 Domains

Domain Name: extra\_moisture\_source

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	none	None	No substantial extra moisture is received on the site other than natural precipitation.
No	2	irrigation	Irrigation	Extra moisture is received on the site due to irrigation.
No	3	water table	Water table	Extra moisture is available to plants due to the presence of a water table within the root zone.
No	4	position	Position	Extra moisture is received on the site due to run in from surrounding areas - e.g. toeslopes or depressions.
No	5	contour planting	Contour planting	Extra moisture is held on site due to contour planting reducing runoff.
No	6	fog drip	Fog drip	Extra moisture is received on the site due to the significant presence of fog that condenses on vegetation and drips to the ground.
No	7	flooding	Flooding	Extra moisture received on the site from streambank overflow of nearby streams.

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Domain Description: No description available.



## NASIS 7.4.2 Domains

Domain Name: farmland\_class\_secondary

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	30	Farmland of statewide importance	Farmland of statewide importance.
No	2	32	Farmland of statewide importance, if drained	Farmland of statewide importance, if drained.
No	3	35	Farmland of statewide importance, if drained and either protected from flooding or not frequently flooded during the growing season	Farmland of statewide importance, if drained and either protected from flooding or not frequently flooded during the growing season
No	4	41	Farmland of statewide importance, if drained or either protected from flooding or not frequently flooded during the growing season	Farmland of statewide importance, if drained or either protected from flooding or not frequently flooded during the growing season
No	5	34	Farmland of statewide importance, if irrigated	Farmland of statewide importance, if irrigated
No	6	36	Farmland of statewide importance, if irrigated and drained	Farmland of statewide importance, if irrigated and drained
No	7	37	Farmland of statewide importance, if irrigated and either protected from flooding or not frequently flooded during the growing season	Farmland of statewide importance, if irrigated and either protected from flooding or not frequently flooded during the growing season
No	8	40	Farmland of statewide importance, if irrigated and reclaimed of excess salts and sodium	Farmland of statewide importance, if irrigated and reclaimed of excess salts and sodium

Obsolete?	ID	Data Entry Text	Label Text	Description
No	9 39		Farmland of statewide importance, if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60	Farmland of statewide importance, if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60
No	10 33		Farmland of statewide importance, if protected from flooding or not frequently flooded during the growing season	Farmland of statewide importance, if protected from flooding or not frequently flooded during the growing season
No	11 38		Farmland of statewide importance, if subsoiled, completely removing the root inhibiting soil layer	Farmland of statewide importance, if subsoiled, completely removing the root inhibiting soil layer
No	12 44		Farmland of statewide importance, if thawed	Farmland of statewide importance, if thawed
No	13 43		Farmland of statewide importance, if warm enough	Farmland of statewide importance, if warm enough
No	14 42		Farmland of statewide importance, if warm enough, and either drained or either protected from flooding or not frequently flooded during the growing season	Farmland of statewide importance, if warm enough, and either drained or either protected from flooding or not frequently flooded during the growing season
No	15 50		Farmland of local importance	Farmland of local importance.
No	16 54		Farmland of local importance, if irrigated	Farmland of local importance, if irrigated
No	17 70		Farmland of unique importance	Farmland of unique importance.

Domain Description: Reference: Part 22 National Soil Survey Handbook.

## NASIS 7.4.2 Domains

Domain Name: farmland\_classification

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	0	Not prime farmland	Not prime farmland.
No	2	1	All areas are prime farmland	All areas are prime farmland.
No	3	2	Prime farmland if drained	Prime farmland if drained.
No	4	3	Prime farmland if protected from flooding or not frequently flooded during the growing season	Prime farmland if protected from flooding, or not frequently flooded during the growing season.
No	5	4	Prime farmland if irrigated	Prime farmland if irrigated.
No	6	5	Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season	Prime farmland if drained and either protected from flooding, or not frequently flooded during the growing season.
No	7	6	Prime farmland if irrigated and drained	Prime farmland if irrigated and drained.
No	8	7	Prime farmland if irrigated and either protected from flooding or not frequently flooded during the growing season	Prime farmland if irrigated and either protected from flooding or not frequently flooded during the growing season.
No	9	8	Prime farmland if subsoiled, completely removing the root inhibiting soil layer	Prime farmland if subsoiled, completely removed the root inhibiting soil layer.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	10 9		Prime farmland if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60	Prime farmland if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60.
No	11 30		Farmland of statewide importance	Farmland of statewide importance.
No	12 50		Farmland of local importance	Farmland of local importance.
No	13 70		Farmland of unique importance	Farmland of unique importance.
No	14 10		Prime farmland if irrigated and reclaimed of excess salts and sodium	Prime farmland if irrigated and reclaimed from excess salts and sodium.
No	15 32		Farmland of statewide importance, if drained	Farmland of statewide importance, if drained.
No	16 33		Farmland of statewide importance, if protected from flooding or not frequently flooded during the growing season	Farmland of statewide importance, if protected from flooding or not frequently flooded during the growing season
No	17 34		Farmland of statewide importance, if irrigated	Farmland of statewide importance, if irrigated
No	18 35		Farmland of statewide importance, if drained and either protected from flooding or not frequently flooded during the growing season	Farmland of statewide importance, if drained and either protected from flooding or not frequently flooded during the growing season
No	19 36		Farmland of statewide importance, if irrigated and drained	Farmland of statewide importance, if irrigated and drained

Obsolete?	ID	Data Entry Text	Label Text	Description
No	20 37		Farmland of statewide importance, if irrigated and either protected from flooding or not frequently flooded during the growing season	Farmland of statewide importance, if irrigated and either protected from flooding or not frequently flooded during the growing season
No	21 41		Farmland of statewide importance, if drained or either protected from flooding or not frequently flooded during the growing season	Farmland of statewide importance, if drained or either protected from flooding or not frequently flooded during the growing season
No	22 42		Farmland of statewide importance, if warm enough, and either drained or either protected from flooding or not frequently flooded during the growing season	Farmland of statewide importance, if warm enough, and either drained or either protected from flooding or not frequently flooded during the growing season
No	23 43		Farmland of statewide importance, if warm enough	Farmland of statewide importance, if warm enough
No	24 44		Farmland of statewide importance, if thawed	Farmland of statewide importance, if thawed
No	25 54		Farmland of local importance, if irrigated	Farmland of local importance, if irrigated
No	26 38		Farmland of statewide importance, if subsoiled, completely removing the root inhibiting soil layer	Farmland of statewide importance, if subsoiled, completely removing the root inhibiting soil layer

Obsolete?	ID	Data Entry Text	Label Text	Description
No	27 39		Farmland of statewide importance, if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60	Farmland of statewide importance, if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60
No	28 40		Farmland of statewide importance, if irrigated and reclaimed of excess salts and sodium	Farmland of statewide importance, if irrigated and reclaimed of excess salts and sodium

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Domain Description: The farmland classification designates map units as prime farmland, farmland of statewide importance, farmland of local importance, or farmland of unique importance. Soil map units with components of prime farmland are classified as: prime where 50 percent or more of the components in the map unit composition are prime; of statewide importance where less than 50 percent of the components in the map unit are prime but a combination of lands of prime or statewide importance is 50 percent or more of the map unit composition; of local importance where less than 50 percent of the components in the map unit are of prime or statewide importance but the total of land of prime, statewide, and/or local importance is 50 percent or more of the map unit composition. All other soil map units are shown as not farmland unless they are designated as unique. Reference: Part 622 National Soil Survey Handbook.

## NASIS 7.4.2 Domains

Domain Name: fertility\_tests\_done

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	once per 1 to 3 years	Once Per 1 To 3 Years	No description available.
No	2	once per 4 to 10 years	Once Per 4 To 10 Years	No description available.
No	3	once per 11 to 25 years	Once Per 11 To 25 Years	No description available.
No	4	more than 25 years	More Than 25 Years	No description available.
No	5	never	Never	No description available.

---

Domain Description: No description available.



## NASIS 7.4.2 Domains

Domain Name: field\_scale\_practice

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	terracing	Terracing	No description available.
No	2	drainage	Drainage	ditch, tile, or other subsurface
No	3	land leveling	Land leveling	No description available.
No	4	furrow irrigation	Furrow irrigation	No description available.
No	5	drip irrigation	Drip irrigation	No description available.
No	6	flood irrigation	Flood irrigation	No description available.
No	7	center pivot irrigation	Center pivot irrigation	No description available.
No	8	other forms of irrigation	Other forms of irrigation	No description available.

---

Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: fl\_soil\_leaching\_potential

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	low	Low	Slowest permeability is 0.6 in/hr or less. Soils with a muck/peat layer are rated "low".
No	2	medium	Medium	Slowest permeability is between 0.6 and 6.0 in/hr. Soils with a mucky layer are rated "medium" unless the soil has a slowest permeability of less than 0.6 in/hr. Then the soil is rated "low".
No	3	high	High	Slowest permeability is 6.0 in/hr or more.

Domain Description: Factors that determine the soil leaching rating are the soil permeability and the occurrence of mucky layers in the upper 80 inches of the soil. General classes of HIGH, MEDIUM, LOW are used. Reference: Soil Ratings for Selecting Pesticides for Water Quality Goals. Circular 959 in a series of the Soil and Water Science Department, Florida Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida. Publication Date: April 1991. Revised: September 2006. Reviewed September 2009. Please visit the EDIS web site at <http://edis.ifas.ufl.edu>.

## NASIS 7.4.2 Domains

Domain Name: fl\_soil\_runoff\_potential

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	low	Low	Soils with a hydrological group of A, and soils with a hydrological group of B (in their natural, undrained state) that have a permeability of 6.0 in/hr or greater in all of the upper 20 inches of the soil.
No	2	medium	Medium	Soils with a hydrological group of C, and soils with a hydrological group of B (in their natural, undrained state) that have a permeability of less than 6.0 in/hr within 20 inches of the soil surface. Soils that rate low are changed to a rating of medium where the slope is more than 12 percent.
No	3	high	High	Soils with a hydrological group of D in their natural, undrained state. Soils that are frequently flooded during the growing season are rated high. Soils that rate medium are changed to a rating of high where the slope is more than 8 percent.

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Domain Description: Factors that determine the soil runoff rating are the hydrologic group, permeability, and slope. General classes of HIGH, MEDIUM, LOW are used.  
Reference: Soil Ratings for Selecting Pesticides for Water Quality Goals. Circular 959 in a series of the Soil and Water Science Department, Florida Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida. Publication Date: April 1991. Revised: September 2006. Reviewed September 2009. Please visit the EDIS web site at <http://edis.ifas.ufl.edu>.

## NASIS 7.4.2 Domains

Domain Name: flood\_type

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	overbank flow	Overbank flow	Inundation as a result of overbank stream flow.
No	2	overland flow	Overland flow	Inundation due to runoff of water from surrounding or adjacent slopes. Water is not concentrated in any form of stream channel.
No	3	tidal	Tidal	Inundation as a result of storm surge, wind tides, lunar tides, seasonal tides, and daily ocean tides.

---

Domain Description: Lists the types of flooding. Were originally only the two basic types of flooding but with the addition of Wassists and Wassents where a more 'permanent' type of flooding is required the third type, 'tidal' flooding type was added.

## NASIS 7.4.2 Domains

Domain Name: flooding\_duration\_class

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	extremely brief	Extremely brief (0.1 to 4 hours)	0.1 to 4 hours
No	2	very brief	Very brief (4 to 48 hours)	4 hours to 48 hours
No	3	brief	Brief (2 to 7 days)	2 days to 7 days
No	4	long	Long (7 to 30 days)	7 days to 30 days
No	5	very long	Very long (more than 30 days)	More than 30 days

---

Domain Description: The average duration of inundation per flood occurrence is given only for the occasional, frequent, and very frequent classes. Part 618 National Soil Survey Handbook. Estimation of how long an area typically is flooded during a single flood event. Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012

## NASIS 7.4.2 Domains

Domain Name: flooding\_frequency\_class

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	none	None	No reasonable possibility of flooding; near 0 percent chance of flooding in any year or less than 1 time in 500 years.
No	2	rare	Rare	Flooding is unlikely but possible under unusual weather conditions; 1 to 5 percent chance in any year (1 to 5 times in 100 years).
No	3	occasional	Occasional	Flooding is expected infrequently, 5 to 50 percent chance in any year, (5 to 50 times in 100 years).
No	4	frequent	Frequent	Flooding is likely to occur often under usual weather conditions; more than 50 percent chance of flooding in any year or more than 50 times in 100 years, but less than a 50 percent chance of flooding in all months in any year.
No	5	very rare	Very rare	Flooding is very unlikely but is possible under unusual weather conditions; less than 1 percent chance in any year (less than 1 time in 100 years, but more than 1 time in 500 years).
No	6	very frequent	Very frequent	Flooding is likely to occur very often under usual weather conditions; more than 50 percent chance in all months of any year.
Yes	7	common	Common	No description available.

Domain Description: Flooding frequency class indicates the number of times flooding occurs over a period of time. Reference: Part 618 National Soil Survey Handbook. Estimation of how often, typically, flooding occurs. Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012

## NASIS 7.4.2 Domains

Domain Name: flooding\_ponding\_month

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	jan	January	No description available.
No	2	feb	February	No description available.
No	3	mar	March	No description available.
No	4	apr	April	No description available.
No	5	may	May	No description available.
No	6	jun	June	No description available.
No	7	jul	July	No description available.
No	8	aug	August	No description available.
No	9	sep	September	No description available.
No	10	oct	October	No description available.
No	11	nov	November	No description available.
No	12	dec	December	No description available.

---

Domain Description: Flooding and ponding frequency classes are assigned to months and indicate the months of occurrence and not the frequency of the flooding during the month, except for the very frequent class. The month in which the flooding or ponding can be regularly expected to occur. Reference: Part 618 National Soil Survey Handbook.

## NASIS 7.4.2 Domains

Domain Name: forest\_productivity\_units

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	board feet/acre/year Doyle	board feet/acre/year Doyle	No description available.
No	2	board feet/acre/year International 1/4	board feet/acre/year International 1/4	No description available.
No	3	board feet/acre/year International 1/8	board feet/acre/year International 1/8	No description available.
No	4	board feet/acre/year Scribner	board feet/acre/year Scribner	No description available.
No	5	board feet/acre/year Scribner Decimal C	board feet/acre/year Scribner Decimal C	No description available.
No	6	board feet/acre/year Spaulding	board feet/acre/year Spaulding	No description available.
No	7	cords/acre/year	cords/acre/year	No description available.
No	8	cubic feet/acre/year	cubic feet/acre/year	No description available.
No	9	tons/acre/year	tons/acre/year	No description available.
No	10	cubic feet/acre	cubic feet/acre	No description available.

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Domain Description: No description available.



## NASIS 7.4.2 Domains

Domain Name: forest\_rotation\_stage

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	early	early	0-25% of length of rotation.
No	2	mid	mid	25-75% of length of rotation.
No	3	late	late	75-100% of length of rotation.

---

Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: forest\_stand\_quality

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	good	Good	No description available.
No	2	fair	Fair	No description available.
No	3	poor	Poor	No description available.

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Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: forest\_stand\_regeneration

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	adequate	Adequate	No description available.
No	2	inadequate	Inadequate	No description available.
No	3	not applicable	Not applicable	No description available.

---

Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: forest\_stand\_type

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	A	A	Main stand is the dominant size and age class (overstory).
No	2	B	B	Main stand is intermediate in height or age with some Secondary trees clearly taller and older, with an understory of younger trees.
No	3	C	C	Main stand is smaller and younger of a two-aged stand, and dominant in number of trees.

---

Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: forest\_strata\_inventoried

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	main stand	Main Stand	The strata that is the focus of tree age class and/or size for expected management actions.
No	2	secondary stand	Secondary stand	No description available.
No	3	understory	Understory	No description available.

---

Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: fragment\_estimate\_method

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	visual inspection	Visual inspection	Horizon fragment volume was determined using visual inspection.
No	2	weighed	Weighed	Horizon fragment percent by weight was determined by weighing
No	3	displacement	Displacement	Horizon fragment volume was determined by displacement of water.
No	4	weight and displacement	Weight and displacement	Horizon fragments volume and weight were determined by weighing and displacement of water.
No	5	weight and calculated	Weight and calculated	Horizon fragment percent by weight was determined by weighing and percent by volume was calculated.

---

Domain Description: The method used to estimate the percent by weight or percent by volume that fragments occupy in a horizon.

## NASIS 7.4.2 Domains

Domain Name: fragment\_kind

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	sandstone, unspecified	Sandstone fragments	Sedimentary rock containing dominantly sand-size clastic particles.
No	3	arkose	Arkose fragments	No description available.
No	4	sandstone, calcareous	Calcareous sandstone fragments	No description available.
No	13	conglomerate, unspecified	Conglomerate fragments	A coarse-grained, clastic sedimentary rock composed of rounded to subangular rock fragments larger than 2 mm, commonly with a matrix of sand and finer material; cements include silica, calcium carbonate, and iron oxides. The consolidated equivalent of gravel.
No	15	conglomerate, calcareous	Calcareous conglomerate fragments	No description available.
No	21	cinders	Cinders	Uncemented vitric, vesicular, pyroclastic material, more than 2.0 mm in at least one dimension, with an apparent specific gravity (including vesicles) of more than 1.0 and less than 2.0. Compare - ash [volcanic], block [volcanic], lapilli, tephra.
No	22	pumice	Pumice fragments	A light-colored, vesicular, glassy rock commonly having the composition of rhyolite. It commonly has a specific gravity of < 1.0 and is thereby sufficiently buoyant to float on water.
No	23	scoria	Scoria fragments	Vesicular, cindery crust or bomb-sized fragments of such material on the surface of andesitic or basaltic lava, the vesicular nature of which is due to the escape of volcanic gases before solidification; it is usually heavier, darker, and more crystalline than pumice. Synonym - cinder.
No	24	volcanic bombs	Volcanic bombs	No description available.
No	25	shale, unspecified	Shale fragments	Sedimentary rock formed by induration of a clay, silty clay, or silty clay loam deposit and having the tendency to split into thin layers, i.e., fissility.
No	27	shale, calcareous	Calcareous shale fragments	No description available.
No	28	shale, clayey	Clayey shale fragments	No description available.
No	29	igneous, unspecified	Igneous rock fragments	Rock formed by solidification from a molten or partially molten state; major varieties include plutonic and volcanic rocks. Examples: andesite, basalt, granite. Compare - intrusive, extrusive.
No	33	granite	Granite fragments	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	35	basalt	Basalt fragments	No description available.
No	36	andesite	Andesite fragments	No description available.
No	39	limestone, unspecified	Limestone fragments	A sedimentary rock consisting chiefly (more than 50 percent) of calcium carbonate, primarily in the form of calcite. Limestones are usually formed by a combination of organic and inorganic processes and include chemical and clastic (soluble and insoluble) constituents; many contain fossils.
No	40	chalk	Chalk fragments	No description available.
No	41	marble	Marble fragments	No description available.
No	42	dolomite (dolostone)	Dolomite fragments	A carbonate sedimentary rock consisting chiefly (more than 50 percent by weight or by areal percentages under the microscope) of the mineral dolomite.
No	43	limestone, phosphatic	Phosphatic limestone fragments	No description available.
No	44	limestone, arenaceous	Arenaceous limestone fragments	No description available.
No	45	limestone, argillaceous	Argillaceous limestone fragments	No description available.
No	46	limestone, cherty	Cherty limestone fragments	No description available.
No	47	metamorphic, unspecified	Metamorphic rock fragments	Rock of any origin altered in mineralogical composition, chemical composition, or structure by heat, pressure, and movement at depth in the earth's crust. Nearly all such rocks are crystalline. Examples: schist, gneiss, quartzite, slate, marble.
No	48	gneiss	Gneiss fragments	No description available.
No	51	serpentinite	Serpentinite fragments	No description available.
No	52	schist, unspecified	Schist fragments	No description available.
No	55	slate	Slate fragments	No description available.
No	56	quartzite	Quartzite fragments	No description available.
No	58	tuff, unspecified	Tuff fragments	A compacted deposit that is 50 percent or more volcanic ash and dust
No	59	tuff, acidic	Acidic tuff fragments	No description available.
No	60	tuff, basic	Basic tuff fragments	No description available.
No	61	volcanic breccia, unspecified	Volcanic breccia fragments	No description available.



Obsolete?	ID	Data Entry Text	Label Text	Description
No	62	volcanic breccia, acidic	Acidic volcanic breccia fragments	No description available.
No	63	volcanic breccia, basic	Basic volcanic breccia fragments	No description available.
No	64	tuff breccia	Tuff breccia fragments	No description available.
No	65	aa lava	Aa lava fragments	A type of basaltic lava (material) having a rough, jagged, clinkery surface and a vesicular interior. Compare - block lava, pahoehoe lava, pillow lava.
No	66	pahoehoe lava	Pahoehoe lava fragments	A type of basaltic lava (material) with a characteristically smooth, billowy or rope-like surface and vesicular interior. Compare - `a`a lava, block lava, pillow lava.
No	67	sedimentary, unspecified	Sedimentary rock fragments	A consolidated deposit of clastic particles, chemical precipitates, and organic remains accumulated at or near the surface of the earth under "normal" low temperature and pressure conditions. Sedimentary rocks include consolidated equivalents of alluvium, colluvium, drift, and eolian, lacustrine, marine deposits; e.g., sandstone, siltstone, mudstone, clay-stone, shale, conglomerate, limestone, dolomite, coal, etc.
No	70	siltstone, unspecified	Siltstone fragments	Sedimentary rock containing dominantly silt-size clastic particles.
No	72	siltstone, calcareous	Calcareous siltstone fragments	No description available.
No	73	mixed	Mixed rock fragments	No description available.
No	80	diorite	Diorite fragments	No description available.
No	81	gabbro	Gabbro fragments	No description available.
No	82	obsidian	Obsidian fragments	No description available.
No	83	rhyolite	Rhyolite fragments	No description available.
No	84	hornfels	Hornfels fragments	No description available.
No	85	metaconglomerate	Metaconglomerate fragments	No description available.
No	86	phyllite	Phyllite fragments	No description available.
No	87	wood	Wood fragments	No description available.
No	88	charcoal	Charcoal fragments	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	89	chert	Chert fragments	A hard, extremely dense or compact, dull to semivitreous, cryptocrystalline sedimentary rock, consisting dominantly of interlocking crystals of quartz less than about 30 mm in diameter; it may contain amorphous silica (opal). It sometimes contains impurities such as calcite, iron oxide, or the remains of silicious and other organisms. It has a tough, splintery to conchoidal fracture and may be white or variously colored gray, green, blue, pink, red, yellow, brown, and black. Chert occurs principally as nodular or concretionary segregations in limestones and dolomites.
No	90	coal	Coal fragments	No description available.
No	91	graywacke	Graywacke fragments	No description available.
No	92	gypsum, rock	Rock gypsum fragments	A sedimentary rock (evaporite) composed primarily of mineral gypsum ( $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$ ). The rock is generally massive, ranges from coarse crystalline to fine granular, may show disturbed bedding due to hydration expansion of parent anhydrite (anhydrous $\text{CaSO}_4$ ), and may exhibit rhythmic sedimentation (rhymites). Compare gypsite. GG
No	93	shale, acid	Acid shale fragments	No description available.
No	95	lapilli	Lapilli	Non or slightly vesicular pyroclastics, 2.0 to 76 mm in at least one dimension, with an apparent specific gravity of 2.0 or more. Compare - ash [volcanic], block [volcanic], cinders, tephra.
No	96	calcrete (caliche)	Calcrete fragments	No description available.
No	101	amphibolite	Amphibolite fragments	No description available.
No	102	arenite	Arenite fragments	No description available.
No	103	claystone	Claystone fragments	No description available.
No	104	dacite	Dacite fragments	No description available.
No	105	diabase	Diabase fragments	No description available.
No	106	granodiorite	Granodiorite fragments	No description available.
No	107	breccia, non-volcanic	Non-volcanic breccia fragments	No description available.
No	108	granofels	Granofels fragments	No description available.
No	109	greenstone	Greenstone fragments	No description available.
No	110	ignimbrite	Ignimbrite fragments	No description available.
No	111	latite	Latite fragments	No description available.
No	112	metaquartzite	Metaquartzite fragments	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	113	metavolcanics	Metavolcanic rock fragments	No description available.
No	114	monzonite	Monzonite fragments	No description available.
No	115	mudstone	Mudstone fragments	No description available.
No	116	mylonite	Mylonite fragments	No description available.
No	117	peridotite	Peridotite fragments	No description available.
No	118	porcellanite	Porcellanite fragments	No description available.
No	119	pyroxenite	Pyroxenite fragments	No description available.
No	120	syenite	Syenite fragments	No description available.
No	121	syenodiorite	Syenodiorite fragments	No description available.
No	122	trachyte	Trachyte fragments	No description available.
No	123	travertine	Travertine fragments	No description available.
No	124	tufa	Tufa fragments	No description available.
No	125	pyroclastic (consolidated)	Pyroclastic rock fragments	No description available.
No	126	granulite	Granulite fragments	No description available.
No	127	migmatite	Migmatite fragments	No description available.
No	128	soapstone	Soapstone fragments	No description available.
No	129	argillite	Argillite fragments	No description available.
No	130	orthoquartzite	Orthoquartzite fragments	No description available.
No	131	anorthosite	Anorthosite fragments	No description available.
No	132	breccia, non-volcanic, acidic	Acidic Non-volcanic breccia fragments	No description available.
No	133	breccia, non-volcanic, basic	Basic Non-volcanic breccia fragments	No description available.
No	134	carbonate concretions	Carbonate concretions	No description available.
No	135	gibbsite concretions	Gibbsite concretions	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	136	silica concretions	Silica concretions	No description available.
No	137	plinthite nodules	Plinthite nodules	No description available.
No	138	carbonate nodules	Carbonate nodules	No description available.
No	139	gibbsite nodules	Gibbsite nodules	No description available.
No	140	iron-manganese concretions	Iron-manganese concretions	No description available.
No	141	iron-manganese nodules	Iron-manganese nodules	No description available.
No	142	durinodes	Durinodes	No description available.
No	143	ironstone nodules	Ironstone nodules	No description available.
No	144	shell fragments	Shell fragments	No description available.
No	145	duripan fragments	Duripan fragments	No description available.
No	146	petrocalcic fragments	Petrocalcic fragments	No description available.
No	147	ortstein fragments	Ortstein fragments	No description available.
No	148	petroferric fragments	Petroferric fragments	No description available.
No	149	petrogypsic fragments	Petrogypsic fragments	No description available.
No	150	metasedimentary, unspecified	Metasedimentary rock fragments	No description available.
No	151	schist, mica	Mica schist fragments	No description available.
No	152	quartz-diorite	Quartz-diorite fragments	No description available.
No	153	quartz-monzonite	Quartz-monzonite fragments	No description available.
No	154	tachylite	Tachylite fragments	No description available.
No	155	tonalite	Tonalite fragments	No description available.
No	156	ultramafic, unspecified	Ultramafic rock fragments	No description available.
No	157	tuff, welded	Welded tuff fragments	No description available.
No	158	quartz	Quartz fragments	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	159	carbonate rock, unspecified	Carbonate rock fragments	No description available.
No	160	metamorphic, foliated	Foliated metamorphic rock fragments	No description available.
No	161	block lava	Block lava fragments	Lava having a surface of angular blocks; it is similar to `a`a lava but the fragments are larger and more regular in shape, somewhat smoother, and less vesicular. Compare - `a`a lava, pahoehoe lava, pillow lava.
No	162	pillow lava	Pillow lava fragments	A general term for lava displaying pillow structure (discontinuous, close-fitting, bun-shaped or ellipsoidal masses, generally < 1 m in diameter); considered to have formed in a subaqueous environment; such lava is usually basaltic or andesitic. Compare - `a`a lava, block lava, pahoehoe lava.
No	163	volcanic, unspecified	Volcanic rock fragments	No description available.
No	164	sandstone, glauconitic	Glauconitic sandstone fragments	No description available.
No	168	tripoli	Tripoli fragments	A light-colored, porous, friable, siliceous (largely chalcedonic) sedimentary rock, which occurs in powdery or earthy masses that result from the weathering of siliceous limestone. It has a harsh, rough feel and is used to polish metals and stones.
No	169	gneiss, hornblende	Hornblende gneiss fragments	No description available.
No	170	metasiltstone	Metasiltstone fragments	No description available.
No	171	gneiss, migmatitic	Migmatitic gneiss fragments	No description available.
No	172	gneiss, muscovite-biotite	Muscovite-biotite gneiss fragments	No description available.
No	173	schist, graphitic	Graphitic schist fragments	No description available.
No	174	slate, sulfidic	Sulfidic slate fragments	No description available.
No	175	gneiss, biotite	Biotite gneiss fragments	No description available.
No	176	gneiss, granodioritic	Granodioritic gneiss fragments	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	177	granitoid	Granitoid fragments	a) In the IUGS classification, a preliminary term for (for field use) for a plutonic rock with Q (quartz) between 20 and 40 (%). b) A general term for all phaneritic igneous rocks (mineral crystals visible unaided and all about the same size) dominated by quartz and feldspars.
No	178	bauxite	Bauxite fragments	An off-white to dark red brown weathered detritus or rock composed of aluminum oxides (mainly gibbsite with some boehmite and diaspore), iron hydroxides, silica, silt, and especially clay minerals. Bauxite originates in tropical and subtropical environments as highly weathered residue from carbonate or silicate rocks and can occur in concretionary, earthy, pisolitic or oolitic forms. SW & GG
No	179	limestone, coral	Coral limestone fragments	An informal term for massive limestone composed primarily of coral and coral fragments commonly associated with marine islands or coral reefs in tropical or subtropical waters. Compare - coral island. SW
No	180	anhydrite, rock	Rock anhydrite fragments	A sedimentary rock (evaporite) composed chiefly of mineral anhydrite (anhydrous CaSO <sub>4</sub> ); The rock is generally massive, cryptocrystalline, and may exhibit rhythmic sedimentation (rhymites). Compare - rock gypsum, rock halite. SW
No	181	halite, rock	Rock halite fragments	A sedimentary rock (evaporite) composed primarily of halite (NaCl). SW
No	182	lignite	Lignite fragments	A brownish-black carbon-rich deposit that is a metamorphic intermediate between peat and sub-bituminous coal . Dry lignite typically contains 60-70 % carbon. SW & GG
No	183	novaculite	Novaculite	A dense, extremely finely grained, even-textured, siliceous, sedimentary rock similar to chert. It is hard, white to grayish-black in color, translucent on thin edges, has a dull to waxy luster, and displays smooth conchoidal fracture when broken. Novaculite principally occurs in the Marathon Uplift of Texas and Ouachita Mountains of Arkansas and Oklahoma where it forms erosion resistant ridges. Novaculite appears to form from chert recrystallization with microcrystalline quartz dominant over cryptocrystalline chalcedony. At the Ouachita Mountains type occurrence, novaculite formed by low-grade, thermal metamorphism of bedded chert. Novaculite is commercially quarried as a whetstone or oilstone. Compare - chert. GG & SW
No	184	siltite	Siltite fragments	A compact, weakly metamorphosed rock formed by alteration of siltstone, mudstone, or silty shale. Siltite is more indurated than mudstone or shale and lacks either shale fissility or slate-like cleavage. Siltite differs from argillite in that silt-size grains (0.002 to 0.062 mm) rather than clay-size (<0.002 mm) dominate the matrix. Siltite differs from siltstone, mudstone, or shale in that it exhibits very low to low grade metamorphic or diagenetic layer silicate and feldspar alteration to sericite, chlorite, and albite (subgreenschist to greenschist metamorphic facies) (Maxwell, 1973; Kidder, 1987).
No	185	schist, biotite	Biotite schist fragments	A strongly foliated crystalline rock formed by dynamic metamorphism that has well-developed parallelism of more than 50 percent of the minerals present, primarily biotite.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	186	schist, muscovite	Muscovite schist fragments	A strongly foliated crystalline rock formed by dynamic metamorphism that has well-developed parallelism of more than 50 percent of the minerals present, primarily muscovite.
No	187	mica	Mica fragments	A group of monoclinic phyllosilicate minerals with perfect basal cleavage that splits into thin elastic laminae and range from colorless to black. Large crystals of mica are referred to as a mica book.
No	188	limonite	Limonite	A general 'field' term for various brown to yellowish brown, amorphous- to-cryptocrystalline hydrous ferric oxides that are an undetermined mixture of goethite, hematite, and lepidocrocite formed by weathering and iron oxidation from iron-bearing, rocks and minerals. SW & GG
No	189	schist, sericite	Sericite schist	A strongly foliated crystalline rock formed by dynamic metamorphism that has well-developed parallelism of more than 50 percent of the minerals present, primarily sericite. A fine-grained muscovite
No	190	gypsum crystals	Gypsum crystal fragments	No description available.
No	191	fanglomerate	Fanglomerate fragments	No description available.
No	192	diatomite fragments	Diatomite fragments	A light-colored, soft, siliceous sedimentary rock (generally consolidated) consisting chiefly of opaline diatom frustules deposited in a lacustrine or marine environment. Diatomite has a number of uses owing to its high surface area, absorptive capacity, and relative chemical stability but the term is generally reserved for deposits of actual or potential commercial value.
Yes	2	sandstone, noncalcareous	Noncalcareous sandstone fragments	No description available.
Yes	5	interbedded sedimentary	Interbedded sedimentary rock fragments	No description available.
Yes	6	limestone-sandstone-shale	Limestone-sandstone-shale fragments	No description available.
Yes	7	limestone-sandstone	Limestone-sandstone fragments	No description available.
Yes	8	limestone-shale	Limestone-shale fragments	No description available.
Yes	9	limestone-siltstone	Limestone-siltstone fragments	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	10	sandstone-shale	Sandstone and shale fragments	No description available.
Yes	11	sandstone-siltstone	Sandstone and siltstone fragments	No description available.
Yes	12	shale-siltstone	Shale-siltstone fragments	No description available.
Yes	14	conglomerate, noncalcareous	Noncalcareous conglomerate fragments	No description available.
Yes	16	ejecta-ash	Ejecta-ash	No description available.
Yes	17	acidic-ash	Acidic-ash	No description available.
Yes	18	basic-ash	Basic-ash	No description available.
Yes	19	basaltic-ash	Basaltic-ash	No description available.
Yes	20	andesitic-ash	Andesitic-ash	No description available.
Yes	26	shale, noncalcareous	Noncalcareous shale fragments	No description available.
Yes	30	igneous, coarse crystal	Coarse crystal igneous rock fragments	No description available.
Yes	31	igneous, basic	Basic igneous rock fragments	No description available.
Yes	32	igneous, intermediate	Intermediate igneous rock fragments	No description available.
Yes	34	igneous, fine crystal	Fine crystal igneous rock fragments	No description available.
Yes	37	igneous, acid	Acid igneous rock fragments	No description available.
Yes	38	igneous, ultrabasic	Ultrabasic igneous rock fragments	No description available.
Yes	49	gneiss-acidic	Acidic gneiss fragments	No description available.
Yes	50	gneiss-basic	Basic gneiss fragments	No description available.



Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	53	schist, acidic	Acidic schist fragments	No description available.
Yes	54	schist, basic	Basic schist fragments	No description available.
Yes	57	pyroclastic, unspecified	Pyroclastic fragments	Fragmental materials produced by usually explosive, aerial ejection of clastic particles from a volcanic vent. Such materials may accumulate on land or under water.
Yes	68	marl	Marl fragments	An earthy, unconsolidated deposit consisting chiefly of calcium carbonate mixed with clay in approximately equal proportions (35 to 65 percent of each); formed primarily under freshwater lacustrine conditions, but varieties associated with more saline environments also occur.
Yes	69	glauconite	Glauconite fragments	No description available.
Yes	71	siltstone, noncalcareous	Noncalcareous siltstone fragments	No description available.
Yes	74	mixed noncalcareous	Mixed noncalcareous rock fragments	No description available.
Yes	75	mixed calcareous	Mixed calcareous rock fragments	No description available.
Yes	76	mixed igneous-metamorphic-sedimentary	Mixed igneous, metamorphic, and sedimentary rock fragments	No description available.
Yes	77	mixed igneous-metamorphic	Mixed igneous and metamorphic rock fragments	No description available.
Yes	78	mixed igneous-sedimentary	Mixed igneous and sedimentary rock fragments	No description available.
Yes	79	mixed metamorphic-sedimentary	Mixed metamorphic and sedimentary rock fragments	No description available.
Yes	97	organic	Organic material	No description available.
Yes	98	mossy material	Mossy material	No description available.
Yes	99	herbaceous material	Herbaceous material	No description available.
Yes	100	logs and stumps	Logs and stumps	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	165	saprolite	Saprolite	No description available.
Yes	166	oxide protected rock	Oxide protected rock	No description available.
Yes	167	ejecta	Ejecta fragments	No description available.

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Domain Description: Document the types of coarse fragments present. Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012

## NASIS 7.4.2 Domains

Domain Name: fragment\_roundness

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	angular	Angular	Strongly developed faces with sharp edges (SSM).
No	2	subangular	Subangular	Detectable flat faces with slightly-rounded corners.
No	3	subrounded	Subrounded	Detectable flat faces with well-rounded corners (SSM).
No	4	rounded	Rounded	Flat faces absent or nearly absent with all corners rounded (SSM).
No	5	well rounded	Well rounded	Flat faces absent with all corners rounded.
No	6	very angular	Very angular	Strongly developed faces with very sharp, broken edges.

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Domain Description: The relative roundness of coarse fragments present. Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012

## NASIS 7.4.2 Domains

Domain Name: fragment\_shape

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	flat	Flat	No description available.
No	2	nonflat	Nonflat	No description available.

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Domain Description: The relative shape of coarse fragments present. Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012

## NASIS 7.4.2 Domains

Domain Name: gap\_kind

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	basal	Basal	The gap observed is the space between the base or stem of two live or dead plants, based on the points where the plants emerge from the soil surface.
No	2	canopy	Canopy	The gap observed is the space between the canopy of two live or dead plants, based on a vertical projection from canopy to ground.

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Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: geographic\_coord\_source

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	auto-populated from gps	Auto-populated from GPS	Values are auto-populated to the point database via a connection to the GPS unit. No manually data entry is involved.
No	2	auto-populated from survey grade gps	Auto-populated from survey grade GPS	Values are auto-populated to the point database via a connection to a survey grade GPS unit. No manually data entry is involved.
No	3	manually entered from gps	Manually entered from GPS	Coordinates were transcribed from those displayed on the GPS screen and manually entered into the database. Values may have been written on hardcopy forms prior to entering into the database.
No	4	manually entered from post-validation	Manually entered from post-validation	Coordinates were transcribed from those displayed on the GPS screen and manually entered into the database. Values may have been written on hardcopy forms prior to entering into the database. Values were later reviewed and either determined to be reasonable, or obvious errors were corrected.
No	5	estimated from other source	Estimated from other source	Coordinates were interpreted or estimated from some source other than a GPS unit. A common source is USGS topographic maps. Other sources include PLSS data, point on aerial photo, narrative descriptions, or using a GIS to determine location for map.
No	6	unknown	Unknown	Source of geographic coordinates is unknown.
No	7	imported from gps	Imported from GPS	Geographic coordinate values were imported from a GPS unit using the Import GPS Site Data function.

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Domain Description: Source or method used to determine the geographic coordinates of the sampling site.

## NASIS 7.4.2 Domains

Domain Name: geomor\_pos\_flat

Obsolete?	ID	Data Entry Text	Label Text	Description
No	2	dip	Dip	A geomorphic component (characteristic piece) of flat plains (e.g., lake plain, low coastal plain, low-relief till plain) consisting of a shallow and typically closed depression that tends to be an area of focused groundwater recharge but not a permanent water body and that lies slightly lower and is wetter than the adjacent talf, and favors the accumulation of fine sediments and organic materials. SW
No	3	rise	Rise	A geomorphic component of flat plains (e.g., lake plain, low coastal plain, low-gradient till plain) consisting of a slightly elevated but low, broad area with low slope gradients (e.g. 1-3 % slopes); typically a microfeature but can be fairly extensive. Commonly soils on a rise are better drained than those on the surrounding talf. Compare - talf. SW
No	4	talf	Talf	A geomorphic component of flat plains (e.g., lake plain, low coastal plain, low-gradient till plain) consisting of an essentially flat (e.g. 0-1 % slopes) and broad area dominated by closed depressions and a non-integrated or poorly integrated drainage system. Precipitation tends to pond locally and lateral transport is slow both above and below ground, which favors the accumulation of soil organic matter and a retention of fine earth sediments; better drained soils are commonly adjacent to drainageways. Compare - rise. SW
Yes	1	flat	Flat	default choice, official choices to be determined later

Domain Description: Unique three-dimensional descriptors of parts of landforms or microfeatures applied to flat plains.

## NASIS 7.4.2 Domains

Domain Name: geomor\_pos\_hill

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	interfluve	Interfluve	An elevated area between two drainageways that sheds water to those drainageways.
No	2	head slope	Head Slope	The concave surface at the head of a drainageway where the flow of water converges downward toward the center and contour lines form concave curves.
No	3	nose slope	Nose Slope	The projecting end of an interfluve, where contour lines connecting the opposing side slopes form convex curves around the projecting end and lines perpendicular to the contours diverge downward. Overland flow of water is divergent.
No	4	side slope	Side Slope	The slope bounding a drainageway and lying between the drainageway and the adjacent interfluve. It is generally linear along the slope width and overland flow is parallel down the slope.
No	5	base slope	Base Slope	A geomorphic component of hills consisting of the concave to linear slope (perpendicular to the contour) which, regardless of the lateral shape is an area that forms an apron or wedge at the bottom of a hillside dominated by colluvial and slope wash processes and sediments (e.g., colluvium and slope alluvium). Distal base slope sediments commonly grade to, or interfinger with, alluvial fills, or gradually thin to form pedis sediment over residuum. Compare - head slope, side slope, nose slope, interfluve, free face. SW
No	6	crest	Crest	A geomorphic component of hills consisting of the convex slopes (perpendicular to the contour) that form the narrow, roughly linear top area of a hill, ridge, or other upland where shoulders have converged to the extent that little or no summit remains; dominated by erosion, slope wash and mass movement processes and sediments (e.g., slope alluvium, creep). Commonly, soils on crests are more similar to those on side slopes than to soils on adjacent interfluvies. Compare - interfluve, head slope, side slope, nose slope. SW
No	7	free face	Free face	The part of a hillside or mountainside consisting of an outcrop of bare rock (scarp or cliff) that sheds colluvium to slopes below and commonly stands more steeply than the angle of repose of the colluvial slope (e.g. talus slope) immediately below. SW & GG
Yes	8	crested hills	Crested hills	No description available.

Domain Description: A mappable part of the earth's surface (three dimensional) that represents an episode of landscape development of hills.



## NASIS 7.4.2 Domains

Domain Name: geomor\_pos\_mountain

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	mountaintop	Mountaintop	roughly analogous to the crest or summit); Reference: Schoeneberger, P.J. and Wysocki, D.A. 2013. (personal communication), National Soil Survey Center, NRCS, Lincoln, NE.
No	2	mountainflank	Mountainflank	the long slope along the sides of mountains which can be further subdivided into three portions based on the relative slope location: upper third-, middle third-, or lower third mountainflank; Reference: Schoeneberger, P.J. and Wysocki, D.A. 2013. (personal communication), National Soil Survey Center, NRCS, Lincoln, NE.
No	3	mountainbase	Mountainbase	colluvium / slope alluvium apron at the bottom of the mountain; Reference: Schoeneberger, P.J. and Wysocki, D.A. 2013. (personal communication), National Soil Survey Center, NRCS, Lincoln, NE.
No	4	mountainflank, upper third	Upper third of mountainflank	The upper third of the long slope along mountainflank. Reference: Schoeneberger, P.J. and Wysocki, D.A. 2013. (personal communication), National Soil Survey Center, NRCS, Lincoln, NE.
No	5	mountainflank, center third	Center third of mountainflank	The middle third of the long slope along mountainflank. Reference: Schoeneberger, P.J. and Wysocki, D.A. 2013. (personal communication), National Soil Survey Center, NRCS, Lincoln, NE.
No	6	mountainflank, lower third	Lower third of mountainflank	The lower third of the long slope along mountainflank. Reference: Schoeneberger, P.J. and Wysocki, D.A. 2013. (personal communication), National Soil Survey Center, NRCS, Lincoln, NE.
No	7	free face	Free face	The part of a hillside or mountainside consisting of an outcrop of bare rock (scarp or cliff) that sheds colluvium to slopes below and commonly stands more steeply than the angle of repose of the colluvial slope (e.g. talus slope) immediately below. References: Schoeneberger, P.J. and Wysocki, D.A. 2013. (personal communication), National Soil Survey Center, NRCS, Lincoln, NE. and Neuendorf, K.K.E., Mehl Jr., J.P., and Jackson, J.A. (ed.) 2005. Glossary of geology, 5th Ed. American Geological Institute, Alexandria, VA. 779 p.

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Domain Description: A mappable part of the earth's surface (three dimensional) that represents an episode of landscape development of mountains.

## NASIS 7.4.2 Domains

Domain Name: geomor\_pos\_terrace

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	riser	Riser	The vertical or steeply sloping surface, commonly one of a series, of natural steplike landforms, as those of a glacial stairway or of successive stream terraces.
No	2	tread	Tread	The flat or gently sloping surface of natural step-like landforms, commonly one of a series, such as successive stream terraces.

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Domain Description: A mappable part of the earth's surface (three dimensional) that represent an episode of landscape development of terraces.

## NASIS 7.4.2 Domains

Domain Name: ground\_cover\_class

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	trace to 1%	Trace to 1%	An occassional plant present (trace to 1% ground cover)
No	2	2 to 9%	2 to 9%	Sparsely abundant (2% - 9% ground cover)
No	3	10 to 19%	10 to 19%	Moderately abundant (10% - 19% ground cover)
No	4	20 to 29%	20 to 29%	Abundant (20% - 29% ground cover)
No	5	30% or more	30% or more	Very abundant (=> 30% ground cover)

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Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: ground\_cover\_extent

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	none	None	No vegetation present as a result of treatment other than tillage to prevent plant growth.
No	2	sparse	Sparse	Scattered grass and/or weeds, or clean tilled.
No	3	light	Light	Patchy sod or weeds.
No	4	dense	Dense	Heavy sod.

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Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: ground\_cover\_type

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	bare ground	Bare ground	Exposed bare soil surface with no other ground cover material type present.
No	2	bedrock	Bedrock	Exposed bare soil surface with no other ground cover material type present.
No	3	biological crust	Biological crust	A crust on the soil surface primarily composed of algae, cyanobacteria, and/or lichens.
No	4	forb	Forb	An herbaceous, broadleaved flowering plant whose above-ground stem does not become woody and persistent.
No	5	grass or grasslike	Grass or grasslike	Plant material that is a member of the Gramineae (true grasses), Cyperaceae (sedges), or Juncaceae (rushes) families.
No	6	litter	Litter	Soil surface is covered by fresh and/or partially decomposed plant residue material, including downed wood, that is not attached to a rooted plant.
No	7	nonvascular plant	Nonvascular plant	Plant material composed of mosses, liverworts, hornworts, or stemmed lichens.
No	8	shrub or vine or liana	Shrub or vine or liana	No description available.
No	9	surface fragments, large	Large surface fragments	Loose fragments of rock equal to or greater than 3 inches in size.
No	10	surface fragments, small	Small surface fragments	Loose fragments of rock greater than 0.25 and less than 3 inches in size.
No	11	tree	Tree	Woody perennial plant species typically over 5m in height at maturity.
No	12	water	Water	The soil surface is covered by standing water.
Yes	13	embedded litter	Embedded litter	Soil surface is covered by fresh and/or partially decomposed plant residue material, including downed wood, that is not attached to a rooted plant, but is partially buried or embedded in the soil surface.

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Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: ground\_surface\_cover\_type

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	bare ground	Bare ground	Exposed bare soil surface with no other ground cover material type present.
No	2	bedrock	Bedrock	Exposed bare soil surface with no other ground cover material type present.
No	3	biological crust	Biological crust	A crust on the soil surface primarily composed of algae, cyanobacteria, and/or lichens.
No	4	forb	Forb	An herbaceous, broadleaved flowering plant whose above-ground stem does not become woody and persistent.
No	5	grass or grasslike	Grass or grasslike	Plant material that is a member of the Gramineae (true grasses), Cyperaceae (sedges), or Juncaceae (rushes) families.
No	6	litter	Litter	Soil surface is covered by fresh and/or partially decomposed plant residue material, including downed wood, that is not attached to a rooted plant.
No	7	nonvascular plant	Nonvascular plant	Plant material composed of mosses, liverworts, hornworts, or stemmed lichens.
No	8	shrub or vine or liana	Shrub or vine or liana	No description available.
No	9	surface fragments, large	Large surface fragments	Loose fragments of rock equal to or greater than 3 inches in size.
No	10	surface fragments, small	Small surface fragments	Loose fragments of rock greater than 0.25 and less than 3 inches in size.
No	11	tree	Tree	Woody perennial plant species typically over 5m in height at maturity.
No	12	water	Water	The soil surface is covered by standing water.
No	13	downed wood, fine-small	Fine-small downed wood	Dead, downed wood less than 0.4 inches in diameter. 1 hour fuels.
No	14	downed wood, fine-medium	Fine-medium downed wood	Dead, downed wood 0.4 to less than 1 inch in diameter. 10 hour fuels.
No	15	downed wood, fine-large	Fine-large downed wood	Dead, downed wood 1 to less than 3 inches in diameter. 100 hour fuels.
No	16	downed wood, coarse-small	Coarse-small downed wood	Dead, downed wood 3 to less than 9 inches in diameter. 1,000 hour fuels.
No	17	downed wood, coarse-large	Coarse-large downed wood	Dead, downed wood equal to or greater than 9 inches in diameter. 10,000 hour fuels.
No	18	tree snags, hard	Hard tree snags	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. Smaller snags count as downed wood.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	19	tree snags, soft	Soft tree snags	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. Smaller snags count as downed wood.
Yes	20	embedded litter	Embedded litter	Soil surface is covered by fresh and/or partially decomposed plant residue material, including downed wood, that is not attached to a rooted plant, but is partially buried or embedded in the soil surface.

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Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: growing\_season\_rating

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	unusually good	Unusually good	No description available.
No	2	above average	Above average	No description available.
No	3	average	Average	No description available.
No	4	below average	Below average	No description available.
No	5	unusually poor	Unusually poor	No description available.

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Domain Description: No description available.



## NASIS 7.4.2 Domains

Domain Name: growth\_status

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	in establishment phase	In Establishment Phase	seedling to sapling
No	2	in growth phase	In Growth Phase	sapling to crown closure or merchantable size
No	3	established	Established	mature, crown closure, or poles of merchantable size or greater

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Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: gully\_rill\_presence

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	none	None	No description available.
No	2	few	Few	No description available.
No	3	numerous	Numerous	No description available.

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Domain Description: A gross estimate of the number of gullies and/or rills present on the sampling site. Three classes - none, few, numerous. No idea of any of the limits of those classes.

## NASIS 7.4.2 Domains

Domain Name: h2o2\_30\_percent

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	none	None	No sign of bubbles of any size.
No	2	slight	Slight	A slight reaction would yield few very fine and fine (0.5-2 mm) sized gas bubbles.
No	3	moderate	Moderate	A moderate reaction would yield common very fine, fine, or medium (0.5-5 mm) sized gas bubbles.
No	4	strong	Strong	A strong reaction would yield many fine to coarse (1-10 mm) sized gas bubbles.
No	5	violent	Violent	A violent reaction would yield many very coarse (10 mm)sized gas bubbles.

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Domain Description: The purpose of this test is to determine the presences of reduced sulfides in subaqueous soils and any sulfuric acid potential if oxidized or exposed to air. Added for use in describing Subaqueous soils. Done in 7.4.1

## NASIS 7.4.2 Domains

Domain Name: harvest\_skidding\_method

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	hand falling and tractor skidding	Hand Falling and Tractor Skidding	rubber-tired or tracked
No	2	hand falling and animal skidding	Hand Falling and Animal Skidding	horse, mule, other
No	3	hand falling and aerial skidding	Hand Falling and Aerial Skidding	full or partial suspension of logs
No	4	mechanized falling and tractor skidding	Mechanized Falling and Tractor Skidding	feller-buncher or equivalent
No	5	mechanized falling cut to length forwarder	Mechanized Falling Cut to Length Forwarder	logs fully suspended, ground-based

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Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: hgm\_class

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	riverine	RIVERINE	<p>Riverine wetlands occur in flood plains and riparian corridors in association with stream channels. Dominant water sources are often overbank flow from the channel or subsurface hydraulic connections between the stream channel and wetlands. However, sources may be interflow and return flow from adjacent uplands, occasional overland flow from adjacent uplands, tributary inflow, and precipitation. At their headwater, RIVERINE wetlands often are replaced by SLOPE or DEPRESSIONAL wetlands where the channel morphology may disappear. They may intergrade with poorly drained flats or uplands. Perennial flow in the channel is not a requirement.</p>
No	2	depressional	DEPRESSIONAL	<p>Depressional wetlands occur in topographic depressions. Dominant water sources are precipitation, ground water discharge, and both interflow and overland flow from adjacent uplands. The direction of flow is normally from the surrounding uplands toward the center of the depression. Elevation contours are closed, thus allowing the accumulation of surface water. Depressional wetlands may have any combination of inlets and outlets or lack them completely. Dominant hydrodynamics are vertical fluctuations, primarily seasonal. Depressional wetlands may lose water through intermittent or perennial drainage from an outlet, by evapotranspiration and, if they are not receiving ground water discharge, may slowly contribute to ground water. Peat deposits may develop in depressional wetlands. Prairie potholes are a common example of depressional wetlands.</p>
No	3	slope	SLOPE	<p>Slope wetlands normally are found where there is a discharge of ground water to the land surface. They normally occur on sloping land; elevation gradients may range from steep hillsides to slight slopes. Slope wetlands are usually incapable of depressional storage because they lack the necessary closed contours. Principal water sources are usually ground water return flow and interflow from surrounding uplands, as well as precipitation. Hydrodynamics are dominated by downslope unidirectional water flow. Slope wetlands can occur in nearly flat landscapes if ground water discharge is a dominant source to the wetland surface. Slope wetlands lose water primarily by saturation subsurface and surface flows and by evapotranspiration. SLOPE wetlands may develop channels, but the channels serve only to convey water away from the SLOPE wetland. Fens are a common example of slope wetlands.</p>

Obsolete?	ID	Data Entry Text	Label Text	Description
No	4	mineral soil flats	MINERAL SOIL FLATS	Mineral soils flats are most common on interfluves, extensive relic lake bottoms, or large historic flood plain terraces where the main source of water is precipitation. They receive no ground water discharge, which distinguishes them from DEPRESSIONAL and SLOPE wetlands. Dominant hydrodynamics are vertical fluctuations. Mineral soil flats lose water by evapotranspiration, saturation overland flow, and seepage to underlying ground water. They are distinguished from flat upland areas by their poor vertical drainage, often due to spodic horizons and hardpans, and low lateral drainage, usually due to low hydraulic gradients. Mineral soil flats that accumulate peat can eventually become the class ORGANIC SOIL FLATS. Pine flatwoods with hydric soils are a common example of MINERAL SOIL FLAT wetlands.
No	5	organic soil flats	ORGANIC SOIL FLATS	Organic soil flats , or extensive peatlands, differ from mineral soil flats , in part because their elevation and topography are controlled by vertical accretion of organic matter. They occur commonly on flat interfluves, but may also be located where depressions have become filled with peat to form a relatively large flat surface. Water source is dominated by precipitation, while water loss is by saturation overland flow and seepage to underlying ground water. Raised bogs share many of these characteristics, but may be considered a separate class because of their convex upward form and distinct edaphic conditions for plants. Portions of the Everglades and northern Minnesota peatlands are common examples of organic soil flat wetlands.
No	6	estuarine fringe	ESTUARINE FRINGE	Estuarine fringe wetlands occur along coasts and estuaries and are under the influence of sea level. They intergrade landward with Riverine wetlands where tidal currents diminish and riverflow becomes the dominant water source. Additional water sources may be ground water discharge and precipitation. The interface between the estuarine fringe and Riverine classes is where bidirectional flows from tides dominate over unidirectional ones controlled by flood plain slope of Riverine wetlands. Because estuarine fringe wetlands frequently flood and water table elevations are controlled mainly by sea surface elevation, estuarine fringe wetlands seldom dry for significant periods. estuarine fringe wetlands lose water by tidal exchange, by saturated overland flow to tidal creek channels, and by evapotranspiration. Organic matter normally accumulates in higher elevation marsh areas where flooding is less frequent and the wetlands are isolated from shoreline wave erosion by intervening areas of low marsh. <i>Spartina alterniflora</i> salt marshes are common examples of estuarine fringe wetlands.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	7	lacustrine fringe	LACUSTRINE FRINGE	Lacustrine fringe wetlands are adjacent to lakes where the water elevation of the lake maintains the water table in the wetland. In some cases, these wetlands consist of a floating mat attached to land. Additional sources of water are precipitation and ground water discharge, the latter dominating where lacustrine fringe wetlands intergrade with uplands or SLOPE wetlands. Surface water flow is bidirectional, usually controlled by water-level fluctuations such as seiches in the adjoining lake. Lacustrine fringe wetlands are indistinguishable from depressional wetlands where the size of the lake becomes so small relative to fringe wetlands that the lake is incapable of stabilizing water tables. Lacustrine fringe wetlands lose water by flow returning to the lake after flooding, by saturation surface flow, and by evapotranspiration. Organic matter normally accumulates in areas sufficiently protected from shoreline wave erosion. Unimpounded marshes bordering the Great Lakes are a common example of lacustrine fringe wetlands.

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Domain Description: The major classes of the Hydrogeomorphic Wetland Classification System. Reference: Hydrogeomorphic Wetland Classification System: An Overview and Modification to Better Meet the Needs of the Natural Resources Conservation Service Technical Note No. 190-8-76

## NASIS 7.4.2 Domains

Domain Name: hillslope\_profile

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	summit	Summit	The topographically highest hillslope position of a hillslope profile and exhibiting a nearly level (planar or only slightly convex) surface.
No	2	shoulder	Shoulder	The hillslope position that forms the uppermost inclined surface near the top of a hillslope. If present, it comprises the transition zone from backslope to summit. The surface is dominantly convex in profile and erosional in origin.
No	3	backslope	Backslope	The hillslope profile position that forms the steepest and generally linear, middle portion of the slope. In profile, backslopes are commonly bounded by a convex shoulder above and a concave footslope below. They may or may not include cliff segments (i.e. free faces). Backslopes are commonly erosional forms produced by mass movement, colluvial action, and running water.
No	4	footslope	Footslope	The hillslope position that forms the inner, gently inclined surface at the base of a hillslope. In profile, footslopes are commonly concave. It is a transition zone between upslope sites of erosion and transport (shoulder, backslope) and downslope sites of deposition (toeslope).
No	5	toeslope	Toeslope	The hillslope position that forms the gently inclined surface at the base of a hillslope. Toeslopes in profile are commonly gentle and linear, and are constructional surfaces forming the lower part of a hill-slope continuum that grades to valley or closed-depression floors.

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Domain Description: The two dimensional slope segments of a hillslope that have similar geometric, erosional, or depositional characteristics.



## NASIS 7.4.2 Domains

Domain Name: horizon\_feature\_kind

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	argillic tongues	Tongues of argillic material	Tongues of argillic material Small areas or lobes of argillic material that dip down (interfinger) more than 5 cm into nonargillic material. Reference the Field Book for Describing and Sampling Soils, Schoeneberger, et al, 2012.
No	2	albic tongues	Tongues of albic material	Tongues of albic material Small areas or lobes of albic material that dip down (interfinger) more than 5 cm into nonalbic material. Reference the Field Book for Describing and Sampling Soils, Schoeneberger, et al, 2012.
No	4	krotovinas	Krotovinas	Filled faunal burrows.
No	8	lamina	Lamina	The thinnest recognizable layer (commonly < 1 cm thick) of original deposition in a sediment or sedimentary rock, differing from other layers in color, composition, or particle size. Several laminae constitute a bed.
No	11	hydrophobic layer	Hydrophobic layer	Either a surface or subsurface layer that repels water (e.g. dry organic materials, scorch layers in chapparell, etc.).
No	12	stone line	Stone line	A concentration of rock fragments resulting from erosinal lag.
No	13	ice wedge cast	Ice wedge cast	A vertical, often trans-horizon, wedge-shaped or irregular form caused by infilling of a cavity resulting from the melting of an ice wedge; commonly stratified.
No	14	lamellae	Lamellae	Thin (e.g., > 0.5 cm), pedogenically formed plates or intermittant layers. Reference the Field Book for Describing and Sampling Soils, Schoeneberger, et al, 2012.
Yes	3	percent ironstone nodules	Percent ironstone nodules	No description available.
Yes	5	percent plinthite	Percent plinthite	No description available.
Yes	6	percent of profile occupied by this horizon	Percent of profile occupied by this horizon	No description available.
Yes	7	percent of pedon occupied by this horizon	Percent of the pedon occupied by this horizon	No description available.

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Domain Description: The special type of soil feature found in a horizon. Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012 (Special Features).

## NASIS 7.4.2 Domains

Domain Name: horizontal\_datum\_name

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	NAD27	North American Datum of 1927	North American Datum of 1927.
No	2	NAD83	North American Datum of 1983	North American Datum of 1983.
No	3	old hawaiian	Old Hawaiian	No description available.
No	4	american samoa 1962	American Samoa 1962	No description available.
No	5	astro beacon e 1945	Astro Beacon "E" 1945	No description available.
No	6	astro tern island frig	Astro Tern Island (FRIG)	No description available.
No	7	astronomical station 1952	Astronomical Station 1952	No description available.
No	8	bellevue ign	Bellevue (IGN)	No description available.
No	9	canton astro 1966	Canton Astro 1966	No description available.
No	10	chatham island astro 1971	Chatham Island Astro 1971	No description available.
No	11	dos 1968	DOS 1968	No description available.
No	12	easter island 1967	Easter Island 1967	No description available.
No	13	geodetic datum 1949	Geodetic Datum 1949	No description available.
No	14	guam 1963	Guam 1963	No description available.
No	15	gux 1 astro	Gux 1 Astro	No description available.
No	16	johnston island 1961	Johnston Island 1961	No description available.
No	17	kusaie astro 1951	Kusaie Astro 1951	No description available.
No	18	luzon	Luzon	No description available.
No	19	midway astro 1961	Midway Astro 1961	No description available.
No	20	pitcairn astro 1967	Pitcairn Astro 1967	No description available.
No	21	santo dos 1965	Santo (DOS) 1965	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	22	viti levu 1916	Viti Levu 1916	No description available.
No	23	wake-eniwetok 1960	Wake-Eniwetok 1960	No description available.
No	24	wake island astro 1952	Wake Island Astro 1952	No description available.
No	25	WGS84	World Geodetic System 1984	No description available.

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Domain Description: The Geodetic Datum used to locate the point on the ground where something is being described.

## NASIS 7.4.2 Domains

Domain Name: horz\_desgn\_letter\_suffix

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	a	a	Highly decomposed organic matter. This symbol is used with O to indicate the most highly decomposed organic materials, which have a fiber content of less than 17 percent (by volume) after rubbing.
No	2	b	b	Buried genetic horizon. This symbol is used in mineral soils to indicate identifiable buried horizons with major genetic features that were developed before burial. Genetic horizons may or may not have formed in the overlying material, which may be either like or unlike the assumed parent material of the buried soil. This symbol is not used in organic soils, nor is it used to separate an organic layer from a mineral layer.
No	3	c	c	Concretions or nodules. This symbol indicates a significant accumulation of concretions or nodules. Cementation is required. The cementing agent commonly is iron, aluminum, manganese, or titanium. It cannot be silica, dolomite, calcite, or more soluble salts.
No	4	d	d	Physical root restriction. This symbol indicates noncemented, root-restricting layers in naturally occurring or human-made sediments or materials. Examples are dense basal till, plowpans, and other mechanically compacted zones.
No	5	e	e	Organic material of intermediate decomposition. This symbol is used with O to indicate organic materials of intermediate decomposition. The fiber content of these materials is 17 to 40 percent (by volume) after rubbing.
No	6	f	f	Frozen soil or water. This symbol indicates that a horizon or layer contains permanent ice. The symbol is not used for seasonally frozen layers or for dry permafrost.
No	7	g	g	Strong gleying. This symbol indicates either that iron has been reduced and removed during soil formation or that saturation with stagnant water has preserved it in a reduced state. Most of the affected layers have chroma of 2 or less, and many have redox concentrations. The low chroma can represent either the color of reduced iron or the color of uncoated sand and silt particles from which iron has been removed. The symbol g is not used for materials of low chroma that have no history of wetness, such as some shales or E horizons. If g is used with B, pedogenic change in addition to gleying is implied. If no other pedogenic change besides gleying has taken place, the horizon is designated Cg.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	8	h	h	Illuvial accumulation of organic matter. This symbol is used with B to indicate the accumulation of illuvial, amorphous, dispersible complexes of organic matter and sesquioxides if the sesquioxide component is dominated by aluminum but is present only in very small quantities. The organo-sesquioxide material coats sand and silt particles. In some horizons these coatings have coalesced, filled pores, and cemented the horizon. The symbol h is also used in combination with s as "Bhs" if the amount of the sesquioxide component is significant but the color value and chroma, moist, of the horizon are 3 or less.
No	9	i	i	Slightly decomposed organic material. This symbol is used with O to indicate the least decomposed of the organic materials. The fiber content of these materials is 40 percent or more (by volume) after rubbing.
No	10	k	k	Accumulation of secondary carbonates. This symbol indicates an accumulation of visible pedogenic calcium carbonate (less than 50 percent, by volume). Carbonate accumulations occur as carbonate filaments, coatings, masses, nodules, disseminated carbonate, or other forms.
No	11	m	m	Cementation or induration. This symbol indicates continuous or nearly continuous cementation. It is used only for horizons that are more than 90 percent cemented, although they may be fractured. The cemented layer is physically root-restrictive. The predominant cementing agent (or the two dominant ones) may be indicated by adding defined letter suffixes, singly or in pairs. The horizon suffix kkm (and less commonly km) indicates cementation by carbonates; qm, cementation by silica; sm, cementation by iron; yym, cementation by gypsum; kqm, cementation by carbonates and silica; and zm, cementation by salts more soluble than gypsum.
No	12	n	n	Accumulation of sodium. This symbol indicates an accumulation of exchangeable sodium.
No	13	o	o	This symbol indicates a residual accumulation of sesquioxides.
No	14	p	p	Tillage or other disturbance. This symbol indicates a disturbance of the surface layer by mechanical means, pasturing, or similar uses. A disturbed organic horizon is designated Op. A disturbed mineral horizon is designated Ap even though it is clearly a former E, B, or C horizon.
No	15	q	q	Accumulation of silica. This symbol indicates an accumulation of secondary silica.
No	16	r	r	Weathered or soft bedrock. This symbol is used with C to indicate layers of bedrock that are moderately cemented or less cemented. Examples are weathered igneous rock and partly consolidated sandstone, siltstone, or shale. The excavation difficulty is low to high.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	17	s	s	Illuvial accumulation of sesquioxides and organic matter. This symbol is used with B to indicate an accumulation of illuvial, amorphous, dispersible complexes of organic matter and sesquioxides if both the organic matter and sesquioxide components are significant and if either the color value or chroma, moist, of the horizon is 4 or more. The symbol is also used in combination with h as "Bhs" if both the organic matter and sesquioxide components are significant and if the color value and chroma, moist, are 3 or less.
No	18	ss	ss	Presence of slickensides. This symbol indicates the presence of slickensides. Slickensides result directly from the swelling of clay minerals and shear failure, commonly at angles of 20 to 60 degrees above horizontal. They are indicators that other vertic characteristics, such as wedge-shaped peds and surface cracks, may be present.
No	19	t	t	Accumulation of silicate clay. This symbol indicates an accumulation of silicate clay that has either formed and subsequently been translocated within the horizon or has been moved into the horizon by illuviation, or both. At least some part of the horizon should show evidence of clay accumulation either as coatings on surfaces of peds or in pores, or as lamellae or as bridges between mineral grains.
No	20	v	v	Plinthite. This symbol indicates the presence of iron-rich, humus-poor, reddish material that is firm or very firm when moist and is less than strongly cemented. It hardens irreversibly when exposed to the atmosphere and to repeated wetting and drying.
No	21	w	w	Development of color or structure. This symbol is used only with B to indicate the development of color or structure, or both, with little or no apparent illuvial accumulation of material. It should not be used to indicate a transitional horizon.
No	22	x	x	Fragipan character. This symbol indicates a genetically developed layer that has a combination of firmness, brittleness, and commonly a higher bulk density than adjacent layers. Some part of the layer is physically root-restrictive.
No	23	y	y	Accumulation of gypsum. This symbol indicates a gypsum accumulation. The suffix y is used when the horizon fabric is dominated by soil particles or minerals other than gypsum. Gypsum is present in amounts that do not significantly obscure or disrupt other features of the horizon.
No	24	z	z	Accumulation of salts more soluble than gypsum. This symbol indicates an accumulation of salts that are more soluble than gypsum.
No	25	j	j	Indicates an accumulation of jarosite. Jarosite is a potassium (ferric) iron hydroxy sulfate mineral (KFe <sub>3</sub> (SO <sub>4</sub> ) <sub>2</sub> (OH) <sub>6</sub> ) that is commonly an alteration product of pyrite that has been exposed to an oxidizing environment. Jarosite has hue of 2.5Y or yellower and normally has chroma of 6 or more, although chroma as low as 3 or 4 have been reported. It forms in preference to iron (hydr)oxides in active acid sulfate soils at pH of 3.5 or less and can be stable in post-active acid sulfate soils for long periods of time at higher pH.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	26	jj	jj	Evidence of cryoturbation. Evidence of cryoturbation includes irregular and broken horizon boundaries, sorted rock fragments, and organic soil materials occurring as bodies and broken layers within and/or between mineral soil layers. The organic bodies and layers are most commonly at the contact between the active layer and the permafrost.
No	27	ff	ff	Dry permafrost. Used in layers or horizons that are colder than 0 degrees C, but do not contain ice. It is not used for layers or horizons that have seasonal temperatures below 0 degrees C. The f suffix is used for layers or horizons that contain permanent ice.
No	29	co	co	Coprogenous Earth. This symbol, used only with L, indicates a limnic layer of coprogenous earth (or sedimentary peat).
No	30	ma	ma	Marl. This symbol, used only with L, indicates a limnic layer of marl.
No	31	di	di	Diatomaceous earth. This symbol, used only with L, indicates a limnic layer of diatomaceous earth.
No	32	kk	kk	Engulfment of horizon by secondary carbonates. This symbol indicates major accumulations of pedogenic calcium carbonate. The suffix kk is used when the soil fabric is plugged with fine grained pedogenic carbonate (50 percent or more, by volume) that occurs as an essentially continuous medium. The suffix corresponds to the stage III plugged horizon or higher of the carbonate morphogenetic stages (Gile et al., 1966).
No	33	u	u	Presence of human-manufactured materials (artifacts). This symbol indicates the presence of manufactured artifacts that have been created or modified by humans, usually for a practical purpose in habitation, manufacturing, excavation, or construction activities. Examples of artifacts are 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 metals and minerals, sanitary and medical waste, garbage, and landfill waste.
No	34	yy	yy	Dominance of horizon by gypsum. This symbol indicates a horizon that is dominated by the presence of gypsum. The gypsum content may be due to an accumulation of secondary gypsum, the transformation of primary gypsum inherited from parent material, or other processes. Suffix yy is used when the horizon fabric has such an abundance of gypsum (generally 50 percent or more, by volume) that pedogenic and/or lithologic features are obscured or disrupted by growth of gypsum crystals. Colors associated with horizons that use suffix yy are typically highly whitened with value of 7 through 9.5 and chroma of 2 or less.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	35	se	se	This symbol indicates the presence of sulfides in mineral or organic horizons. Horizons with sulfides typically have dark colors (e.g. value 4, chroma 2). These horizons typically form in soils associated with coastal environments that are permanently saturated or submerged (i.e., tidal marshes or estuaries). Soil materials which have sulfidization actively occurring emanate hydrogen sulfide gas which is detectable by its odor (Fanning and Fanning, 1989, or Fanning et al., 2002). Sulfides may also occur in upland environments that have a source of sulfur to form sulfides. Soils in such environments are often of geologic origin and may not produce a hydrogen sulfide odor. Examples include soils formed in parent materials derived from coal deposits such as lignite or soils formed in coastal plain deposits such as glauconite that have not been oxidized because of thick layers of overburden.
Yes	28	ca	ca	An accumulation of carbonates.

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Domain Description: One or more lower case letters after the Master horizon designation that further identifies the pedogenic forces at work in the horizon. Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012



## NASIS 7.4.2 Domains

Domain Name: horz\_desgn\_master

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	O	O	Layers dominated by organic material. Some are saturated with water for long periods, or were once saturated but are now artificially drained; others have never been saturated.
No	2	A	A	Mineral horizons which have formed at the surface or below an O horizon; they exhibit obliteration of all or much of the original rock structure and show one or both of the following: (1) an accumulation of humified organic closely mixed with the mineral fraction and not dominated by properties characteristic of E or B horizons, or (2) properties resulting from cultivation, pasturing, or similar kinds of disturbance.
No	3	E	E	Mineral horizons in which the main feature is loss of silicate clay, iron, or aluminum, or some combination of these, leaving a concentration of sand and silt particles. These horizons exhibit obliteration of all or much of the original rock structure.
No	4	B	B	Horizons which have formed below an A, E, or O horizon. They are dominated by the obliteration of all or much of the original rock structure and show one or more of the following: 1. Illuvial concentration of silicate clay, iron, aluminum, humus, carbonates, gypsum, or silica, alone or in combination; 2. Evidence of the removal or addition of carbonates; 3. Residual concentration of oxides; 4. Coatings of sesquioxides that make the horizon conspicuously lower in color value, higher in chroma, or redder in hue, without apparent illuviation of iron; 5. Alteration that forms silicate clay or liberates oxides, or both, and that forms a granular, blocky, or prismatic structure if volume changes accompany changes in moisture content; 6. Brittleness; or 7. Strong gleying.
No	5	C	C	Horizons or layers, excluding hard bedrock, that are little affected by pedogenic processes and lack the properties of O, A, E, or B horizons. Most are mineral layers. The material of C layers may be either like or unlike the material from which the solum has presumably formed. The C horizon may have been modified, even if there is no evidence of pedogenesis.
No	6	R	R	Strongly cemented to indurated bedrock.
No	7	AB	AB	Horizons dominated by properties of one master horizon but having subordinate properties of another. The first of these symbols indicates that the properties of the horizon so designated dominate the transitional horizon. An AB horizon, for example, has characteristics of both an overlying A horizon and an underlying B horizon, but it is more like the A than like the B.
No	8	AE	AE	Horizons dominated by properties of one master horizon but having subordinate properties of another. The first of these symbols indicates that the properties of the horizon so designated dominate the transitional horizon. An AE horizon, for example, has characteristics of both an overlying A horizon and an underlying E horizon, but it is more like the A than like the E.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	9	AC	AC	Horizons dominated by properties of one master horizon but having subordinate properties of another. The first of these symbols indicates that the properties of the horizon so designated dominate the transitional horizon. An AB horizon, for example, has characteristics of both an overlying A horizon and an underlying B horizon, but it is more like the A than like the B.
No	10	EA	EA	Horizons dominated by properties of one master horizon but having subordinate properties of another. The first of these symbols indicates that the properties of the horizon so designated dominate the transitional horizon. An AB horizon, for example, has characteristics of both an overlying A horizon and an underlying B horizon, but it is more like the A than like the B.
No	11	EB	EB	Horizons dominated by properties of one master horizon but having subordinate properties of another. The first of these symbols indicates that the properties of the horizon so designated dominate the transitional horizon. An AB horizon, for example, has characteristics of both an overlying A horizon and an underlying B horizon, but it is more like the A than like the B.
No	12	BA	BA	Horizons dominated by properties of one master horizon but having subordinate properties of another. The first of these symbols indicates that the properties of the horizon so designated dominate the transitional horizon. An AB horizon, for example, has characteristics of both an overlying A horizon and an underlying B horizon, but it is more like the A than like the B.
No	13	BE	BE	Horizons dominated by properties of one master horizon but having subordinate properties of another. The first of these symbols indicates that the properties of the horizon so designated dominate the transitional horizon. An AB horizon, for example, has characteristics of both an overlying A horizon and an underlying B horizon, but it is more like the A than like the B.
No	14	BC	BC	Horizons dominated by properties of one master horizon but having subordinate properties of another. The first of these symbols indicates that the properties of the horizon so designated dominate the transitional horizon. An AB horizon, for example, has characteristics of both an overlying A horizon and an underlying B horizon, but it is more like the A than like the B.
No	15	CA	CA	Horizons dominated by properties of one master horizon but having subordinate properties of another. The first of these symbols indicates that the properties of the horizon so designated dominate the transitional horizon. An AB horizon, for example, has characteristics of both an overlying A horizon and an underlying B horizon, but it is more like the A than like the B.
No	16	CB	CB	Horizons dominated by properties of one master horizon but having subordinate properties of another. The first of these symbols indicates that the properties of the horizon so designated dominate the transitional horizon. An AB horizon, for example, has characteristics of both an overlying A horizon and an underlying B horizon, but it is more like the A than like the B.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	17	A/E	A/E	Horizons with two distinct parts that have recognizable properties of the two kinds of master horizons indicated by the capital letters. Most of the individual parts of one horizon component are surrounded by the other.
No	18	A/B	A/B	Horizons with two distinct parts that have recognizable properties of the two kinds of master horizons indicated by the capital letters. Most of the individual parts of one horizon component are surrounded by the other.
No	19	A/C	A/C	Horizons with two distinct parts that have recognizable properties of the two kinds of master horizons indicated by the capital letters. Most of the individual parts of one horizon component are surrounded by the other.
No	20	E/A	E/A	Horizons with two distinct parts that have recognizable properties of the two kinds of master horizons indicated by the capital letters. Most of the individual parts of one horizon component are surrounded by the other.
No	21	E/B	E/B	Horizons with two distinct parts that have recognizable properties of the two kinds of master horizons indicated by the capital letters. Most of the individual parts of one horizon component are surrounded by the other.
No	22	B/A	B/A	Horizons with two distinct parts that have recognizable properties of the two kinds of master horizons indicated by the capital letters. Most of the individual parts of one horizon component are surrounded by the other.
No	23	B/E	B/E	Horizons with two distinct parts that have recognizable properties of the two kinds of master horizons indicated by the capital letters. Most of the individual parts of one horizon component are surrounded by the other.
No	24	B/C	B/C	Horizons with two distinct parts that have recognizable properties of the two kinds of master horizons indicated by the capital letters. Most of the individual parts of one horizon component are surrounded by the other.
No	25	C/A	C/A	Horizons with two distinct parts that have recognizable properties of the two kinds of master horizons indicated by the capital letters. Most of the individual parts of one horizon component are surrounded by the other.
No	26	C/B	C/B	Horizons with two distinct parts that have recognizable properties of the two kinds of master horizons indicated by the capital letters. Most of the individual parts of one horizon component are surrounded by the other.
No	27	E and B	E and B	Horizons that are composed of lamellae that are separated from each other by eluvial layers.
No	39	W	W	Water. This symbol indicates water layers within or beneath the soil. The water layer is designated as Wf if it is permanently frozen and as W if it is not permanently frozen. The W (or Wf) designation is not used for shallow water, ice, or snow above the soil surface.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	40	L	L	Layers dominated by limnic material. Limnic horizons or layers include both organic and mineral limnic materials that were either (1) deposited in water by precipitation or through the actions of aquatic organisms, such as algae and diatoms, or (2) derived from underwater and floating aquatic plants and subsequently modified by aquatic animals.
No	41	EC	EC	No description available.
No	42	B and E	B and E	Horizons that are composed of lamellae that are separated from each other by eluvial layers.
No	43	M	M	Root-limiting, subsoil layers consisting of nearly continuous, horizontally oriented, human manufactured materials. Examples of materials designated by the letter M include geotextile liners, asphalt, concrete, rubber, and plastic.
No	44	^O	^O	The "caret" symbol (^) is used as a prefix to master horizon designations to indicate mineral or organic layers of human-transported material. This material has been moved horizontally onto a pedon from a source area outside of that pedon by directed human activity, usually with the aid of machinery. All horizons and layers formed in human-transported material are indicated by a "caret" prefix (e.g., ^A-^C-Ab-Btb). The "O" indicates layers dominated by organic material. Some are saturated with water for long periods, or were once saturated but are now artificially drained; others have never been saturated.
No	45	^A	^A	The "caret" symbol (^) is used as a prefix to master horizon designations to indicate mineral or organic layers of human-transported material. This material has been moved horizontally onto a pedon from a source area outside of that pedon by directed human activity, usually with the aid of machinery. All horizons and layers formed in human-transported material are indicated by a "caret" prefix (e.g., ^A-^C-Ab-Btb). The "A" is assigned to mineral horizons which have formed at the surface or below an O horizon; they exhibit obliteration of all or much of the original rock structure and show one or both of the following: (1) an accumulation of humified organic closely mixed with the mineral fraction and not dominated by properties characteristic of E or B horizons, or (2) properties resulting from cultivation, pasturing, or similar kinds of disturbance.
No	46	^E	^E	The "caret" symbol (^) is used as a prefix to master horizon designations to indicate mineral or organic layers of human-transported material. This material has been moved horizontally onto a pedon from a source area outside of that pedon by directed human activity, usually with the aid of machinery. All horizons and layers formed in human-transported material are indicated by a "caret" prefix (e.g., ^A-^C-Ab-Btb). The "E" is assigned to mineral horizons in which the main feature is loss of silicate clay, iron, or aluminum, or some combination of these, leaving a concentration of sand and silt particles. These horizons exhibit obliteration of all or much of the original rock structure.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	47	^B	^B	<p>The "caret" symbol (^) is used as a prefix to master horizon designations to indicate mineral or organic layers of human-transported material. This material has been moved horizontally onto a pedon from a source area outside of that pedon by directed human activity, usually with the aid of machinery. All horizons and layers formed in human-transported material are indicated by a "caret" prefix (e.g., ^A-^C-Ab-Btb). The "B" is assigned to horizons which have formed below an A, E, or O horizon. They are dominated by the obliteration of all or much of the original rock structure and show one or more of the following: 1. Illuvial concentration of silicate clay, iron, aluminum, humus, carbonates, gypsum, or silica, alone or in combination; 2. Evidence of the removal or addition of carbonates; 3. Residual concentration of oxides; 4. Coatings of sesquioxides that make the horizon conspicuously lower in color value, higher in chroma, or redder in hue, without apparent illuviation of iron; 5. Alteration that forms silicate clay or liberates oxides, or both, and that forms a granular, blocky, or prismatic structure if volume changes accompany changes in moisture content; 6. Brittleness; or 7. Strong gleying.</p>
No	48	^C	^C	<p>The "caret" symbol (^) is used as a prefix to master horizon designations to indicate mineral or organic layers of human-transported material. This material has been moved horizontally onto a pedon from a source area outside of that pedon by directed human activity, usually with the aid of machinery. All horizons and layers formed in human-transported material are indicated by a "caret" prefix (e.g., ^A-^C-Ab-Btb). The "C" is assigned to horizons or layers, excluding hard bedrock, that are little affected by pedogenic processes and lack the properties of O, A, E, or B horizons. Most are mineral layers. The material of C layers may be either like or unlike the material from which the solum has presumably formed. The C horizon may have been modified, even if there is no evidence of pedogenesis.</p>
No	49	^AB	^AB	<p>The "caret" symbol (^) is used as a prefix to master horizon designations to indicate mineral or organic layers of human-transported material. This material has been moved horizontally onto a pedon from a source area outside of that pedon by directed human activity, usually with the aid of machinery. All horizons and layers formed in human-transported material are indicated by a "caret" prefix (e.g., ^A-^C-Ab-Btb).</p>
No	50	^BA	^BA	<p>The "caret" symbol (^) is used as a prefix to master horizon designations to indicate mineral or organic layers of human-transported material. This material has been moved horizontally onto a pedon from a source area outside of that pedon by directed human activity, usually with the aid of machinery. All horizons and layers formed in human-transported material are indicated by a "caret" prefix (e.g., ^A-^C-Ab-Btb).</p>
No	51	^AE	^AE	<p>The "caret" symbol (^) is used as a prefix to master horizon designations to indicate mineral or organic layers of human-transported material. This material has been moved horizontally onto a pedon from a source area outside of that pedon by directed human activity, usually with the aid of machinery. All horizons and layers formed in human-transported material are indicated by a "caret" prefix (e.g., ^A-^C-Ab-Btb).</p>

Obsolete?	ID	Data Entry Text	Label Text	Description
No	52	^EA	^EA	The "caret" symbol (^) is used as a prefix to master horizon designations to indicate mineral or organic layers of human-transported material. This material has been moved horizontally onto a pedon from a source area outside of that pedon by directed human activity, usually with the aid of machinery. All horizons and layers formed in human-transported material are indicated by a "caret" prefix (e.g., ^A-^C-Ab-Btb).
No	53	^EB	^EB	The "caret" symbol (^) is used as a prefix to master horizon designations to indicate mineral or organic layers of human-transported material. This material has been moved horizontally onto a pedon from a source area outside of that pedon by directed human activity, usually with the aid of machinery. All horizons and layers formed in human-transported material are indicated by a "caret" prefix (e.g., ^A-^C-Ab-Btb).
No	54	^BE	^BE	The "caret" symbol (^) is used as a prefix to master horizon designations to indicate mineral or organic layers of human-transported material. This material has been moved horizontally onto a pedon from a source area outside of that pedon by directed human activity, usually with the aid of machinery. All horizons and layers formed in human-transported material are indicated by a "caret" prefix (e.g., ^A-^C-Ab-Btb).
No	55	^AC	^AC	The "caret" symbol (^) is used as a prefix to master horizon designations to indicate mineral or organic layers of human-transported material. This material has been moved horizontally onto a pedon from a source area outside of that pedon by directed human activity, usually with the aid of machinery. All horizons and layers formed in human-transported material are indicated by a "caret" prefix (e.g., ^A-^C-Ab-Btb).
No	56	^CA	^CA	The "caret" symbol (^) is used as a prefix to master horizon designations to indicate mineral or organic layers of human-transported material. This material has been moved horizontally onto a pedon from a source area outside of that pedon by directed human activity, usually with the aid of machinery. All horizons and layers formed in human-transported material are indicated by a "caret" prefix (e.g., ^A-^C-Ab-Btb).
No	57	^BC	^BC	The "caret" symbol (^) is used as a prefix to master horizon designations to indicate mineral or organic layers of human-transported material. This material has been moved horizontally onto a pedon from a source area outside of that pedon by directed human activity, usually with the aid of machinery. All horizons and layers formed in human-transported material are indicated by a "caret" prefix (e.g., ^A-^C-Ab-Btb).
No	58	^CB	^CB	The "caret" symbol (^) is used as a prefix to master horizon designations to indicate mineral or organic layers of human-transported material. This material has been moved horizontally onto a pedon from a source area outside of that pedon by directed human activity, usually with the aid of machinery. All horizons and layers formed in human-transported material are indicated by a "caret" prefix (e.g., ^A-^C-Ab-Btb).
No	59	^A/B	^A/B	The "caret" symbol (^) is used as a prefix to master horizon designations to indicate mineral or organic layers of human-transported material. This material has been moved horizontally onto a pedon from a source area outside of that pedon by directed human activity, usually with the aid of machinery. All horizons and layers formed in human-transported material are indicated by a "caret" prefix (e.g., ^A-^C-Ab-Btb).

Obsolete?	ID	Data Entry Text	Label Text	Description
No	60	^B/A	^B/A	The "caret" symbol (^) is used as a prefix to master horizon designations to indicate mineral or organic layers of human-transported material. This material has been moved horizontally onto a pedon from a source area outside of that pedon by directed human activity, usually with the aid of machinery. All horizons and layers formed in human-transported material are indicated by a "caret" prefix (e.g., ^A-^C-Ab-Btb).
No	61	^A/E	^A/E	The "caret" symbol (^) is used as a prefix to master horizon designations to indicate mineral or organic layers of human-transported material. This material has been moved horizontally onto a pedon from a source area outside of that pedon by directed human activity, usually with the aid of machinery. All horizons and layers formed in human-transported material are indicated by a "caret" prefix (e.g., ^A-^C-Ab-Btb).
No	62	^E/A	^E/A	The "caret" symbol (^) is used as a prefix to master horizon designations to indicate mineral or organic layers of human-transported material. This material has been moved horizontally onto a pedon from a source area outside of that pedon by directed human activity, usually with the aid of machinery. All horizons and layers formed in human-transported material are indicated by a "caret" prefix (e.g., ^A-^C-Ab-Btb).
No	63	^A/C	^A/C	The "caret" symbol (^) is used as a prefix to master horizon designations to indicate mineral or organic layers of human-transported material. This material has been moved horizontally onto a pedon from a source area outside of that pedon by directed human activity, usually with the aid of machinery. All horizons and layers formed in human-transported material are indicated by a "caret" prefix (e.g., ^A-^C-Ab-Btb).
No	64	^C/A	^C/A	The "caret" symbol (^) is used as a prefix to master horizon designations to indicate mineral or organic layers of human-transported material. This material has been moved horizontally onto a pedon from a source area outside of that pedon by directed human activity, usually with the aid of machinery. All horizons and layers formed in human-transported material are indicated by a "caret" prefix (e.g., ^A-^C-Ab-Btb).
No	65	^B/C	^B/C	The "caret" symbol (^) is used as a prefix to master horizon designations to indicate mineral or organic layers of human-transported material. This material has been moved horizontally onto a pedon from a source area outside of that pedon by directed human activity, usually with the aid of machinery. All horizons and layers formed in human-transported material are indicated by a "caret" prefix (e.g., ^A-^C-Ab-Btb).
No	66	^C/B	^C/B	The "caret" symbol (^) is used as a prefix to master horizon designations to indicate mineral or organic layers of human-transported material. This material has been moved horizontally onto a pedon from a source area outside of that pedon by directed human activity, usually with the aid of machinery. All horizons and layers formed in human-transported material are indicated by a "caret" prefix (e.g., ^A-^C-Ab-Btb).

Obsolete?	ID	Data Entry Text	Label Text	Description
No	67	V	V	V horizon can be defined as: Mineral horizons that have formed at the soil surface, or below a layer of rock fragments (e.g., desert pavement) or a physical or biological crust in arid environments. They are recognized by the predominance of vesicular pores indicating a soil morphology that drastically reduces or prevents the infiltration of rainfall, and air exchange with the atmosphere. They are unvegetated and appear with unbroken massive structural morphology that is often very friable when moist, slightly hard to very hard when dry, but not cemented. They have no or only very weak secondary structural aggregates. V horizons are often lighter in color ( higher value) and lower in organic carbon than the horizon below it.
Yes	28	O'	O'	No description available.
Yes	29	A'	A'	No description available.
Yes	30	E'	E'	No description available.
Yes	31	B'	B'	No description available.
Yes	32	C'	C'	No description available.
Yes	33	O''	O''	No description available.
Yes	34	A''	A''	No description available.
Yes	35	E''	E''	No description available.
Yes	36	B''	B''	No description available.
Yes	37	C''	C''	No description available.
Yes	38	H	H	A horizon designation that will only be used for conversion from SSSD layers to NASIS horizons. This designation should never be used aside for this one purpose.

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Domain Description: One or more upper case letters that describe the major pedogenic horizons. Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012



## NASIS 7.4.2 Domains

Domain Name: horz\_desgn\_master\_prime

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	'	'	No description available.
No	2	"	"	No description available.
No	3	'''	'''	No description available.
No	4	''''	''''	No description available.
No	5	'''''	'''''	No description available.

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Domain Description: One or more prime symbols used to indicate the recurrence of identical horizon descriptor(s) in a profile or pedon; e.g., A, E, Bt, E" Btx, C. The prime does not indicate either buried horizons or lithologic discontinuities. In NASIS, up to five primes can be used to denote subsequent occurrences of horizon descriptors in a pedon; e.g., A, E, Bt, E', Btx, E'', Cd. Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012

## NASIS 7.4.2 Domains

Domain Name: human\_artifact\_cohesion

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	cohesive	Cohesive	Artifacts adhere together sufficiently so that they can not be easily broken into <2 mm size pieces either by hand or with a simple crushing device such as a mortar and pestle.
No	2	noncohesive	Noncohesive	Artifacts are easily broken into <2 mm size pieces either by hand or with a simple crushing device such as a mortar and pestle. They are similar to pararock fragments and will be incorporated into fine-earth fraction of the soil during routine laboratory sample preparation.

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Domain Description: The dominant relative fragment integrity. Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012

## NASIS 7.4.2 Domains

Domain Name: human\_artifact\_kind

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	bitumen (asphalt)	Bitumen (asphalt)	Brown or black tarlike, bituminous substance consisting mainly of hydrocarbons, that is mixed with sand and gravel for cementing, paving, road surfaces, etc. also includes fiberglass roofing shingles (Websters, 2004).
No	2	boiler slag	Boiler slag	Hard black angular particles with a smooth glassy appearance that form when molten slag comes in contact with quenching water; a type of coal combustion byproduct.
No	3	bottom ash	Bottom ash	Coarse, granular, and porous agglomerated ash particles grey to black in color, collected from the bottom of coal furnaces; a type of coal combustion byproduct.
No	4	brick	Brick	Shaped block of baked clay used for construction of structures or roads (ODES, 1999).
No	5	cardboard	Cardboard	Thick, cellulosic paper or paste board (Rosenbaum, 2003).
No	6	carpet	Carpet	Thick heavy fabric of wool, cotton, or synthetic fibers for covering a floor or stairs (Websters, 2004).
No	7	cloth	Cloth	Woven, knitted, or pressed fabric of fibrous material such as cotton, wool, silk, hair, or synthetic fibers that is used as wearing apparel, towels, curtains, etc. (Websters, 2004)
No	8	concrete	Concrete	Building material composed of cement, various types of aggregate and water in varying proportions according to use (structural supports, flooring, road surfaces, etc.); when mixed together the material hardens to a rock-like consistency (ODES, 1999).
No	9	debitage	Debitage	A waste product (stone chips and flakes) derived from the manufacture of stone tools or weapons.
No	10	fly ash	Fly ash	2mm or larger agglomerated ash particles, generally light tan in color, produced from the combustion of finely ground coal and removed from plant exhaust gases a type of coal combustion byproduct. The material is commonly collected in large settling basins.
No	11	glass	Glass	Hard, brittle, usually transparent or translucent substance made by fusing sand with soda and lime and used primarily for windows and liquid containers (OADDT, 2001).
No	12	metal	Metal	Any of various metallic materials used in construction or manufacturing structural support, reinforcement, or wire, and composed of, but not limited to iron, steel, aluminum and copper. Examples include pieces of rebar, machinery, tools, automobile trim, and metallic toys.
No	13	paper	Paper	A material substance made from compacted interlaced fibers of rags, wood, or straw (Rosenbaum, 2003).
No	14	plasterboard	Plasterboard	Paper-coated board with a core of plaster ( $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$ ) used to make walls in modern structures (Rosenbaum, 2003).

Obsolete?	ID	Data Entry Text	Label Text	Description
No	15	plastic	Plastic	Any of various nonmetallic compounds, synthetically produced, usually from organic compounds by polymerization, which can be molded into various forms and hardened or formed into pliable sheets, films, fibers, etc. for commercial use as bags, many types of toys, pvc pipe, etc. (Websters, 2004)
No	16	potsherd	Potsherd	Broken fragments of pottery, crockery, dishes and ceramics. These materials may range in age from modern to prehistoric.
No	17	rubber	Rubber	Natural and synthetic materials used for flooring, hoses, tires, car moldings, and certain types of garments such as neoprene and latex gloves, spandex clothing and some types of footwear.
No	18	treated wood	Treated wood	Cellulosic post and lumber products treated with preservatives and processes to extend the durability of the material and retard decay by insects or fungi.
No	19	untreated wood	Untreated wood	Cellulosic post and lumber products that have not been treated with preservatives or processes to extend the durability of the material.
No	20	coal combustion byproducts	Coal combustion byproducts	A general term for byproducts resulting from the combustion of coal.

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Domain Description: The dominant type(s) of human artifacts present by horizon/layer. Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012

## NASIS 7.4.2 Domains

Domain Name: human\_artifact\_penetrability

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	nonpenetrable	Nonpenetrable	Roots cannot penetrate through the solid parts of the artifact or between the component parts of the artifact.
No	2	penetrable	Penetrable	Roots can penetrate through the solid parts of the artifact or between component parts of the artifact.

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Domain Description: The prevalent relative ease of penetration of artifacts by external mechanical force by horizon/layer. Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012

## NASIS 7.4.2 Domains

Domain Name: human\_artifact\_persistence

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	nonpersistent	Nonpersistent	The artifact is susceptible to relatively rapid weathering or decay and is expected to be lost from the soil in less than a decade.
No	2	persistent	Persistent	The artifact is expected to remain intact in the soil for a decade or more.

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Domain Description: The dominant relative length of time (extent) expected the human artifact to remain recognizable. Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012

## NASIS 7.4.2 Domains

Domain Name: human\_artifact\_safety

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	innocuous artifacts	Innocuous artifacts	Artifacts considered to be harmless to living beings. Examples include untreated wood products, iron, bricks, cinder blocks, concrete, plastic, glass, rubber, organic fibers, inorganic fibers, unprinted paper and cardboard, and some mineral and metal products. Any sharp innocuous artifacts can cause injury, but the materials themselves are still considered innocuous.
No	2	noxious artifacts	Noxious artifacts	Artifacts that are potentially harmful or destructive to living beings unless dealt with carefully. The harm may be immediate or long-term, or through direct or indirect contact. Examples include Arsenic-treated wood products, batteries, waste and garbage, radioactive fallout, liquid petroleum products, asphalt, coal ash, paper printed with metallic ink, and some mineral and metal products.

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Domain Description: The dominant relative level of chemical safety of artifacts present. Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012

## NASIS 7.4.2 Domains

Domain Name: human\_artifact\_shape

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	elongated	Elongated	One dimension is three times longer than both of the others.
No	2	flat	Flat	One dimension is less than one-third that of both of the others, and one dimension is less than three times that of the intermediate dimension.
No	3	irregular	Irregular	Characterized by a branching, convoluted form.
No	4	equidimensional	Equidimensional	Dimensions in length, width, and height are approximately similar.

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Domain Description: The dominant form (shape) of the artifacts by horizon/layer. Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012



## NASIS 7.4.2 Domains

Domain Name: hydric\_condition

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	farmable	Farmable under natural conditions	Farmable under natureal conditions.
No	2	wooded	Wooded under natural conditions	Wooded under natural conditions.
No	3	neither	Neither wooded nor farmable under natural conditions	Neither wooded nor farmable under natural conditions.

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Domain Description: The general land classification a wet soil is in. I.e. Farmable, wooded, neither.

## NASIS 7.4.2 Domains

Domain Name: hydric\_criteria

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	1	1	All Histels except Folistels, and all Histosols except Folists.  Soils in Aquic suborders, great groups, or subgroups, Albolls suborder, Historthels great group, Histoturbels great group, or Andic, Cumulic, Pachic, or Vitrandic subgroups that: (a) Based on the range of characteristics for the soil series, will at least in part meet one or more Field Indicators of Hydric Soils in the United States, or (b) Show evidence that the soil meets the definition of a hydric soil. (Federal Register Doc. 2012-4733 Filed 2-28-12) [Previous choices of 2a, 2b1, 2b2, and 2b3 have been deleted as choices per request of Lenore Vasilas at the behest of the National Technical Committee for Hydric Soils.]
No	2	2	2	
No	6	3	3	Soils that are frequently ponded for long duration or very long duration during the growing season.
No	7	4	4	Soils that are frequently flooded for long duration or very long duration during the growing season.

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Domain Description: One of four general classes or conditions in which a hydric soil can fall.

## NASIS 7.4.2 Domains

Domain Name: hydric\_rating

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	yes	Yes	The soil meets the criteria for hydric soils. Reference: NSSH Part 622.
No	2	no	No	The soil does not meet the criteria for hydric soils. Reference: NSSH Part 622.
No	3	unranked	Unranked	The soil has not yet been determined to either have or not have hydric criteria. Reference: NSSH Part 622.

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Domain Description: The rating is whether or not the soil meets the criteria for a hydric soil (yes, no) or no determination has been made (unranked).

## NASIS 7.4.2 Domains

Domain Name: hydric\_soil\_indicator

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	a1	A1 Histosol or Histel	Classifies as a Histosol (except Folist) or as a Histel (except Folistel).
No	2	a2	A2 Histic Epipedon	A histic epipedon underlain by mineral soil material with chroma of 2 or less.
No	3	a3	A3 Black Histic	A layer of peat, mucky peat, or muck 20 cm (8 inches) or more thick that starts at a depth of less than or equal to 15 cm (6 inches) from the soil surface; has hue of 10YR or yellower, value of 3 or less, and chroma of 1 or less; and is underlain by mineral soil material with chroma of 2 or less.
No	4	a4	A4 Hydrogen Sulfide	A hydrogen sulfide odor at a depth of less than or equal to 30 cm (12 inches) from the soil surface.
No	5	a5	A5 Stratified Layers	Several stratified layers starting at a depth of less than or equal to 15 cm (6 inches) from the soil surface. At least one of the layers has value of 3 or less and chroma of 1 or less, or it is muck, mucky peat, peat, or a mucky modified mineral texture. The remaining layers have chroma of 2 or less. For any sandy material that constitutes the layer with value of 3 or less and chroma of 1 or less, at least 70 percent of the visible soil particles must be masked with organic material, viewed through a 10x or 15x hand lens. Observed without a hand lens, the particles appear to be close to 100 percent masked.
No	6	a6	A6 Organic Bodies	Presence of 2 percent or more organic bodies of muck or a mucky modified mineral texture starting at a depth of less than or equal to 15 cm (6 inches) from the soil surface.
No	7	a7	A7 5 cm Mucky Mineral	A layer of mucky modified mineral soil material 5 cm (2 inches) or more thick, starting at a depth of less than or equal to 15 cm (6 inches) from the soil surface.
No	8	a8	A8 Muck Presence	A layer of muck with value of 3 or less and chroma of 1 or less, starting at a depth of less than or equal to 15 cm (6 inches) from the soil surface.
No	9	a9	A9 1 cm Muck	A layer of muck 1 cm (0.5 inch) or more thick with value of 3 or less and chroma of 1 or less and starting at a depth of less than or equal to 15 cm (6 inches) from the soil surface.
No	10	a10	A10 2 cm Muck	A layer of muck 2 cm (0.75 inch) or more thick with value of 3 or less and chroma of 1 or less, starting at a depth of less than or equal to 15 cm (6 inches) from the soil surface.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	11	a11	A11 Depleted Below Dark Surface	A layer with a depleted or gleyed matrix that has 60 percent or more chroma of 2 or less, starting at a depth of less than or equal to 30 cm (12 inches) from the soil surface, and having a minimum thickness of either: a. 15 cm (6 inches), or b. 5 cm (2 inches) if the 5 cm consists of fragmental soil material. Organic, loamy or clayey layer(s) above the depleted or gleyed matrix must have value of 3 or less and chroma of 2 or less starting at a depth of less than or equal to 15 cm (6 inches) from the soil surface and extend to the depleted or gleyed matrix. Any sandy material above the depleted or gleyed matrix must have value of 3 or less and chroma of 1 or less starting at a depth of less than or equal to 15 cm (6 inches) from the soil surface and extend to the depleted or gleyed matrix. Viewed through a10x or 15x hand lens, at least 70 percent of the visible soil particles must be masked with organic material. Observed without a hand lens, the particles appear to be close to 100 percent masked.
No	12	a12	A12 Thick Dark Surface	A layer at least 15 cm (6 inches) thick with a depleted or gleyed matrix that has 60 percent or more chroma of 2 or less starting below 30 cm (12 inches) of the surface. The layer(s) above the depleted or gleyed matrix and starting at a depth of less than or equal to 15 cm (6 inches) from the soil surface must have value of 2.5 or less and chroma of 1 or less to a depth of at least 30 cm (12 inches) and value of 3 or less and chroma of 1 or less in any remaining layers above the depleted or gleyed matrix. In any sandy material above the depleted or gleyed matrix, at least 70 percent of the visible soil particles must be masked with organic material, viewed through a 10x or 15x hand lens. Observed without a hand lens, the particles appear to be close to 100 percent masked.
No	13	a13	A13 Alaska Gleyed	A mineral layer with a dominant hue of N, 10Y, 5GY, 10GY, 5G, 10G, 5BG, 10BG, 5B, 10B, or 5PB and with value of 4 or more in more than 50 percent of the matrix. The layer starts at a depth of less than or equal to 30 cm (12 inches) from the mineral surface and is underlain at a depth of less than or equal to 1.5 m (60 inches) from the soil surface by soil material with hue of 5Y or redder in the same type of parent material.
No	14	a14	A14 Alaska Redox	A mineral layer that has dominant hue of 5Y with chroma of 3 or less, or a gleyed matrix, with 10 percent or more distinct or prominent redox concentrations occurring as pore linings with value and chroma of 4 or more. The layer occurs at a depth of less than or equal to 30 cm (12 inches) from the soil surface.
No	15	a15	A15 Alaska Gleyed Pores	A mineral layer that has 10 percent or more hue of N, 10Y, 5GY, 10GY, 5G, 10G, 5BG, 10BG, 5B, 10B, or 5PB with value of 4 or more along root channels or other pores and that starts at a depth of less than or equal to 30 cm (12 inches) from the soil surface. The matrix has a dominant hue of 5Y or redder.
No	16	a16	A16 Coast Prairie Redox	A layer starting at a depth of less than or equal to 15 cm (6 inches) from the soil surface that is at least 10 cm (4 inches) thick and has a matrix chroma of 3 or less with 2 percent or more distinct or prominent redox concentrations occurring as soft masses and/or pore linings.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	17	s1	S1 Sandy Mucky Mineral	A layer of mucky modified sandy soil material 5 cm (2 inches) or more thick starting at a depth of less than or equal to 15 cm (6 inches) from the soil surface.
No	18	s2	S2 2.5 cm Mucky Peat or Peat	A layer of mucky peat or peat 2.5 cm (1 inch) or more thick with value of 4 or less and chroma of 3 or less, starting at a depth of less than or equal to 15 cm (6 inches) from the soil surface, and underlain by sandy soil material.
No	19	s3	S3 5 cm Mucky Peat or Peat	A layer of mucky peat or peat 5 cm (2 inches) or more thick with value of 3 or less and chroma of 2 or less, starting at a depth of less than or equal to 15 cm (6 inches) from the soil surface, and underlain by sandy soil material.
No	20	s4	S4 Sandy Gleyed Matrix	A gleyed matrix that occupies 60 percent or more of a layer starting at a depth of less than or equal to 15 cm (6 inches) from the soil surface.
No	21	s5	S5 Sandy Redox	A layer starting at a depth of less than or equal to 15 cm (6 inches) from the soil surface that is at least 10 cm (4 inches) thick and has a matrix with 60 percent or more chroma of 2 or less and 2 percent or more distinct or prominent redox concentrations occurring as soft masses and/or pore linings.
No	22	s6	S6 Stripped Matrix	A layer starting at a depth of less than or equal to 15 cm (6 inches) from the soil surface in which iron-manganese oxides and/or organic matter have been stripped from the matrix and the primary base color of the soil material has been exposed. The stripped areas and translocated oxides and/or organic matter form a faintly contrasting pattern of two or more colors with diffuse boundaries. The stripped zones are 10 percent or more of the volume and are rounded.
No	23	s7	S7 Dark Surface	A layer 10 cm (4 inches) thick, starting at a depth of less than or equal to the upper 15 cm (6 inches) from the soil surface, with a matrix value 3 or less and chroma of 1 or less. At least 70 percent of the visible soil particles must be masked with organic material, viewed through a 10x or 15x hand lens. Observed without a hand lens, the particles appear to be close to 100 percent masked. The matrix color of the layer directly below the dark layer must have the same colors as those described above or any color that has chroma of 2 or less.
No	24	s8	S8 Polyvalue Below Surface	A layer with value of 3 or less and chroma of 1 or less starting at a depth of less than or equal to 15 cm (6 inches) from the soil surface. At least 70 percent of the visible soil particles must be masked with organic material, viewed through a 10x or 15x hand lens. Observed without a hand lens, the particles appear to be close to 100 percent masked. Directly below this layer, 5 percent or more of the soil volume has value of 3 or less and chroma of 1 or less, and the remainder of the soil volume has value of 4 or more and chroma of 1 or less to a depth of 30 cm (12 inches) or to the spodic horizon, whichever is less.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	25	s9	S9 Thin Dark Surface	A layer 5 cm (2 inches) or more thick, at a depth of less than or equal to 15 cm (6 inches) from the soil surface, with value of 3 or less and chroma of 1 or less. At least 70 percent of the visible soil particles must be masked with organic material, viewed through a 10x or 15x hand lens. Observed without a hand lens, the particles appear to be close to 100 percent masked. This layer is underlain by a layer or layers with value of 4 or less and chroma of 1 or less to a depth of 30 cm (12 inches) or to the spodic horizon, whichever is less.
No	26	f1	F1 Loamy Mucky Mineral	A layer of mucky modified loamy or clayey soil material 10 cm (4 inches) or more thick starting at a depth of less than or equal to 15 cm (6 inches) from the soil surface.
No	27	f2	F2 Loamy Gleyed Matrix	A gleyed matrix that occupies 60 percent or more of a layer starting at a depth of less than or equal to 30 cm (12 inches) from the soil surface.
No	28	f3	F3 Depleted Matrix	A layer that has a depleted matrix with 60 percent or more chroma of 2 or less and that has a minimum thickness of either: a. 5 cm (2 inches) if the 5 cm is entirely at a depth of less than or equal to 15 cm (6 inches) from the soil surface, or b. 15 cm (6 inches), at a depth of less than or equal to 25 cm (10 inches) from the soil surface surface.
No	29	f6	F6 Redox Dark Surface	A layer that is at least 10 cm (4 inches) thick, is at a depth of less than or equal to 20 cm (8 inches) of the mineral soil surface, and has: a. Matrix value of 3 or less and chroma of 1 or less and 2 percent or more distinct or prominent redox concentrations occurring as soft masses or pore linings, or b. Matrix value of 3 or less and chroma of 2 or less and 5 percent or more distinct or prominent redox concentrations occurring as soft masses or pore linings.
No	30	f7	F7 Depleted Dark Surface	Redox depletions with value of 5 or more and chroma of 2 or less in a layer that is at least 10 cm (4 inches) thick, is at a depth of less than or equal to 20 cm (8 inches) from the mineral soil surface, and has: a. Matrix value of 3 or less and chroma of 1 or less and 10 percent or more redox depletions, or b. Matrix value of 3 or less and chroma of 2 or less and 20 percent or more redox depletions.
No	31	f8	F8 Redox Depressions	In closed depressions subject to ponding, 5 percent or more distinct or prominent redox concentrations occurring as soft masses or pore linings in a layer that is 5 cm (2 inches) or more thick and is at a depth of less than or equal to 10 cm (4 inches) from the soil surface.
No	33	f10	F10 Marl	A layer of marl with value of 5 or more and chroma less than 2 starting at a depth of less than or equal to 10 cm (4 inches) from the soil surface.
No	34	f11	F11 Depleted Ochric	A layer(s) 10 cm (4 inches) or more thick in which 60 percent or more of the matrix has value of 4 or more and chroma of 1 or less. The layer is at a depth of less than or equal to 25 cm (10 inches) from the soil surface.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	35	f12	F12 Iron-Manganese Masses	On flood plains, a layer 10 cm (4 inches) or more thick with 40 percent or more chroma of 2 or less and 2 percent or more distinct or prominent redox concentrations occurring as soft iron-manganese masses with diffuse boundaries. The layer occurs at a depth of less than or equal to 20 cm (8 inches) from the soil surface. Iron-manganese masses have value and chroma of 3 or less. Most commonly, they are black. The thickness requirement is waived if the layer is the mineral surface layer
No	36	f13	F13 Umbric Surface	In depressions and other concave landforms, a layer 25 cm (10 inches) or more thick, starting at a depth of less than or equal to 15 cm (6 inches) from the soil surface, in which the upper 15 cm (6 inches) has value of 3 or less and chroma of 1 or less and in which the lower 10 cm (4 inches) has the same colors as those described above or any other color that has chroma of 2 or less.
No	37	f16	F16 High Plains Depressions	In closed depressions that are subject to ponding, a mineral soil that has chroma of 1 or less to a depth of at least 35 cm (13.5 inches) and a layer at least 10 cm (4 inches) thick starting at a depth of less than or equal to 35 cm (13.5 inches) from the mineral soil that has either: a. 1 percent or more redox concentrations occurring as nodules or concretions, or b. Redox concentrations occurring as nodules or concretions with distinct or prominent corona.
No	38	f17	F17 Delta Ochric	A layer 10 cm (4 inches) or more thick in which 60 percent or more of the matrix has value of 4 or more and chroma of 2 or less and there are no redox concentrations. This layer occurs at a depth of less than or equal to 20 cm (8 inches) of the soil.
No	39	f18	F18 Reduced Vertic	In Vertisols and Vertic intergrades, a positive reaction to alpha-alpha-dipyridyl that: a. Is the dominant (60 percent or more) condition of a layer at least 4 inches thick at a depth of less than or equal to (30 cm) 12 inches from the soil surface (or at least 2 inches thick at a depth of less than or equal to 15cm (6 inches) of the mineral or muck soil surface, b. Occurs for at least 7 continuous days and 28 cumulative days, and c. Occurs during a normal or drier season and month (within 16 to 84 percent of probable precipitation).
No	40	f19	F19 Piedmont Flood Plain Soils	On flood plains, a mineral layer at least 15 cm (6 inches) thick, starting at a depth of less than or equal to 25 cm (10 inches) from the soil surface, with a matrix (60 percent or more of the volume) chroma of less than 4 and 20 percent or more distinct or prominent redox concentrations occurring as soft masses or pore linings.
No	41	f20	F20 Anomalous Bright Loamy Soils	Within 200 meters (656 feet) of estuarine marshes or water and within 1 m (3.28 feet) of mean high water, a mineral layer at least 10 cm (4 inches) thick, starting at a depth of less than or equal to 20 cm (8 inches) from the soil surface, with a matrix (60 percent or more of the volume) chroma of less than 5 and 10 percent or more distinct or prominent redox concentrations occurring as soft masses or pore linings and/or depletions.



Obsolete?	ID	Data Entry Text	Label Text	Description
No	42	f21	F21 Red Parent Material	A layer derived from red parent material (see glossary) that is at least 10 cm (4 inches) thick, starting at a depth of less than or equal to 25 cm (10 inches) from the soil surface with a hue of 7.5YR or redder. The matrix has a value and chroma greater than 2 and less than or equal to 4. The layer must contain 10 percent or more depletions and/or distinct or prominent redox concentrations occurring as soft masses or pore linings. Redox depletions should differ in color by having: a.) Value one or more higher and chroma one or more lower than the matrix, or b.) Value of 4 or more and chroma of 2 or less.
No	43	f22	F22 Very Shallow Dark Surface	In depressions and flood plains subject to frequent ponding and/or flooding, one of the following: a. if bedrock occurs between 15 cm (6 inches) and 25 cm (10 inches), a layer at least 15 cm (6 inches) thick starting at a depth of less than or equal to 10 cm (4 inches) from the soil surface with value 2.5 or less and chroma 1 or less, and the remaining soil to bedrock must have the same colors as above or any other color that has a chroma 2 or less. b. if bedrock occurs within 15 cm (6 inches), more than half of the soil thickness must have value 2.5 or less and chroma 1 or less, and the remaining soil to bedrock must have the same colors as above or any other color that has a chroma 2 or less.
No	44	s11	S11 High Chroma Sands	In coastal zones and dune-and-swale complexes, a layer 2 inches (5 cm) or more thick starting at a depth of less than or equal to 4 inches (10 cm) from the soil surface with chroma 4 or less and 2% or more distinct or prominent redox concentrations.
No	45	s12	S12 Barrier Islands	In the swale portion of dune-and-swale complexes of barrier islands, a layer of muck 1 cm (0.5 inches) or more thick with value of 3 or less and chroma of 2 or less and starting at a depth of less than or equal to 15 cm (6 inches) from the soil surface.
Yes	32	f9	F9 Vernal Pools	In closed depressions that are subject to ponding, presence of a depleted matrix with 60 percent or more chroma of 2 or less in a layer 5 cm (2 inches) thick entirely within the upper 15 cm (6 inches) of the soil.

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Domain Description: Reference: Field Indicators of Hydric Soils in the United States A Guide for Identifying and Delineating Hydric Soils, Version 7.0, 2010

## NASIS 7.4.2 Domains

Domain Name: hydrologic\_group

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	a	A	Soils in this group have low runoff potential when thoroughly wet. Water is transmitted freely through the soil.
No	2	b	B	Soils in this group have moderately low runoff potential when thoroughly wet. Water transmission through the soil is unimpeded.
No	3	c	C	Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.
No	4	d	D	Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.
No	5	a/d	A/D	These soils have low runoff potential when drained and high runoff potential when undrained.
No	6	b/d	B/D	These soils have moderately low runoff potential when drained and high runoff potential when undrained.
No	7	c/d	C/D	These soils have moderately high runoff potential when drained and high runoff potential when undrained.

---

Domain Description: Refers to soils grouped according to their runoff potential. The soil properties that influence this potential are those that affect the minimum rate of water infiltration on a bare soil during periods after prolonged wetting when the soil is not frozen. These properties include depth to a seasonal high water table, the infiltration rate, and depth to a layer that significantly restricts the downward movement of water. The slope and the kind of plant cover are not considered but are separate factors in predicting runoff. Reference: Glossary of Soil Science Terms, 2015.

## NASIS 7.4.2 Domains

Domain Name: hydrology\_status

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	unaltered	Unaltered	The hydrology of the soil has not been significantly altered by man.
No	2	drier than natural	Drier than natural	The hydrology has been modified by human activity such that is significantly drier than natural. Modifications might include surface drainage or protection from flooding.
No	3	wetter than natural	Wetter than natural	The hydrology has been modified by human activity such that is significantly wetter than natural. Modifications might include irrigation, blockage of natural surface water drainage, or activities that raise local zones of saturation.

---

Domain Description: Whether or not the site's hydrology has been altered by man and if so, in what direction.

## NASIS 7.4.2 Domains

Domain Name: hydrometer\_method

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	shmp dispersible - oven dry	SHMP Dispersible - oven dry	Sodium Hexametaphosphate Dispersible - oven dry soil
No	2	shmp dispersible - field moist	SHMP Dispersible - field moist	Sodium Hexametaphosphate Dispersible - field moist soil.
No	3	shmp dispersible - air dry	SHMP Dispersible - air dry	Sodium Hexametaphosphate Dispersible - air-dry soil.
No	4	shmp dispersible - om removal by h2o2	SHMP Dispersible - OM removal by H2O2	Sodium Hexametaphosphate Dispersible with Organic Matter Removal by Hydrogen Peroxide.
No	5	shmp dispersible - om removal by shc	SHMP Dispersible - OM removal by SHC	Sodium Hexametaphosphate Dispersible with Organic Matter Removal by Sodium Hypochlorite.
No	6	shmp dispersible - co3 removal	SHMP Dispersible - CO3 removal	Sodium Hexametaphosphate Dispersible with Carbonate Removal.
No	7	shmp dispersible - fe removal	SHMP Dispersible - Fe removal	Sodium Hexametaphosphate Dispersible with Iron Removal.

Domain Description: A refined submethod of the hydrometer method used to determine soil texture which includes the use of sodium hexametaphosphate to disperse any organic matter present in the sample. Reference: Soil Survey Investigation Report No. 51 version 2. Method 3.2.1.2.1.

## NASIS 7.4.2 Domains

Domain Name: ia\_subsoil\_k

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	very low minus	Very low minus	< 25 ppm
No	2	very low plus	Very low plus	25 - 50 ppm
No	3	low	Low	50 - 79 ppm
No	4	medium	Medium	79 - 125 ppm
No	5	high	High	> 125 ppm

---

Domain Description: An estimate of the amount of potassium found in the subsoil. Used only in Iowa.

## NASIS 7.4.2 Domains

Domain Name: ia\_subsoil\_p

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	very low	Very low	< 7.5 ppm
No	2	low	Low	7.5-13.0 ppm
No	3	medium	Medium	13.0-22.5 ppm
No	4	high	High	> 22.5 ppm

---

Domain Description: An estimate of the amount of phosphorus found in the subsoil. Used only in Iowa.

## NASIS 7.4.2 Domains

Domain Name: infiltration\_test\_method

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	single ring constant head	Single ring constant head	Infiltration determined using a single ring configuration and constant head of water.
No	2	double ring constant head	Double ring constant head	Infiltration determined using a double ring configuration and constant head of water.
No	3	single ring falling head	Single ring falling head	Infiltration determined using a single ring configuration and falling head of water
No	4	double ring falling head	Double ring falling head	Infiltration determined using a double ring configuration and falling head of water.
No	5	cornell sprinkler infiltrometer	Cornell Sprinkler Infiltrometer	The Cornell Sprinkle Infiltrometer system consists of a portable rainfall simulator that is placed onto a single 241-mm (9 1/2") inner diameter infiltration ring (Fig. 1) and allows for application of simulated rainfall at a wide range of predetermined rates. The apparatus permits the determination of several important soil hydrological properties: Time-to-runoff, sorptivity, and field-saturated infiltrability. Ref: <a href="https://cpb-us-east-1-juc1ugur1qwqqo4.stackpathdns.com/blogs.cornell.edu/dist/f/5772/files/2015/11/Cornell-Sprinkle-Infiltrometer-manual-1xf0snz.pdf">https://cpb-us-east-1-juc1ugur1qwqqo4.stackpathdns.com/blogs.cornell.edu/dist/f/5772/files/2015/11/Cornell-Sprinkle-Infiltrometer-manual-1xf0snz.pdf</a>

---

Domain Description: Identifies which of the field office infiltration methods (single or double ring with a constant or falling head of water) is used to determine infiltration rate. Determination is by Soil Survey Office staff in the field, not a laboratory method.

## NASIS 7.4.2 Domains

Domain Name: injury\_kind

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	none	None	No description available.
No	2	animal	Animal	No description available.
No	3	chemical	Chemical	No description available.
No	4	deer	Deer	No description available.
No	5	dieback	Dieback	No description available.
No	6	fire	Fire	No description available.
No	7	flooding	Flooding	No description available.
No	8	frost crack	Frost crack	No description available.
No	9	grazing	Grazing	No description available.
No	10	hail	Hail	No description available.
No	11	ice	Ice	No description available.
No	12	implement	Implement	No description available.
No	13	other	Other	No description available.
No	14	rabbit	Rabbit	No description available.
No	15	snow	Snow	No description available.
No	16	sunscald	Sunscald	No description available.
No	17	wind	Wind	No description available.
No	18	winter kill	Winter kill	No description available.

---

Domain Description: No description available.



## NASIS 7.4.2 Domains

Domain Name: insect\_kind

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	none	None	No description available.
No	2	borer	Borer	No description available.
No	3	grasshopper	Grasshopper	No description available.
No	4	other	Other	No description available.
No	5	oyster scale	Oyster scale	No description available.
No	6	tip moth	Tip moth	No description available.
No	7	web worm	Web worm	No description available.
No	8	spruce mite	Spruce mite	No description available.
No	9	elm leaf beetle	Elm leaf beetle	No description available.

---

Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: inundation\_type

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	flooding	Flooding Inundation Type	Flooding is the temporary inundation by flowing water from any source, such as streams overflowing their banks, runoff from adjacent or surrounding slopes, inflow from high tides, or any combination of sources. Chapter 3 of the Soil Survey Manual provides additional information. Ref NSSH Part 618.31 and Soil Survey Manual Chapter 3.
No	2	ponding	Ponding Inundation Type	Ponding is the temporary inundation by standing water in a closed depression, including potholes, sloughs, backswamps, playas, and ponds. The water is removed only by deep percolation, transpiration, evaporation, or by a combination of these processes. Ref. NSSH Part 618.50
No	3	continuous	Continuous Inundation Type	Continuous inundation is permanent or nearly permanent standing water in a basin or closed depression. This includes depressions, lakes, ponds, estuaries, and seas that are inundated for extended periods with very few or no periods when the soil is not covered with water. The inundation is considered permanent, not temporal, with water on the surface more than 21 hours of each day in all years. The water is removed only by deep percolation, transpiration, evaporation, tidal flows, or by a combination of these processes. Ref NSSH Part 618.13

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Domain Description: The types of inundation a component may be subject to.

## NASIS 7.4.2 Domains

Domain Name: invading\_plants

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	none	None	No description available.
No	2	some	Some	No description available.
No	3	many	Many	No description available.

---

Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: land\_kind

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	rangeland	Rangeland	No description available.
No	2	grazable woodland	Grazable woodland	No description available.
No	3	native pasture	Native pasture	No description available.
No	4	rangeland, formerly cultivated	Rangeland, formerly cultivated	No description available.
No	5	grazable woodland, formerly cultivated	Grazable woodland, formerly cultivated	No description available.
No	6	nongrazable woodland understory	Nongrazable woodland understory	No description available.

---

Domain Description: A general type of landuse related to food and/or fiber production. The food appears to be that for human consumption or consumption by domesticated animals. Does not, for example, include non-producing land uses like urban land, ice, etc.

## NASIS 7.4.2 Domains

Domain Name: landforms\_legacy

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	basins, playas, lakebeds	Basins, playas, lakebeds	Added as a legacy choice from the ESIS database when the ESI data (from ESIS) was imported into NASIS. Actual definition of this choice is unknown.
No	2	fans	Fans	Added as a legacy choice from the ESIS database when the ESI data (from ESIS) was imported into NASIS. Actual definition of this choice is unknown.
No	3	flatwoods	Flatwoods	Added as a legacy choice from the ESIS database when the ESI data (from ESIS) was imported into NASIS. Actual definition of this choice is unknown.
No	4	flood plains, bottoms	Flood plains, bottoms	Added as a legacy choice from the ESIS database when the ESI data (from ESIS) was imported into NASIS. Actual definition of this choice is unknown.
No	5	level and undulating plains or plateaus	Level and undulating plains or plateaus	Added as a legacy choice from the ESIS database when the ESI data (from ESIS) was imported into NASIS. Actual definition of this choice is unknown.
No	6	mountains, steep hills, dissected plateaus	Mountains, steep hills, dissected plateaus	Added as a legacy choice from the ESIS database when the ESI data (from ESIS) was imported into NASIS. Actual definition of this choice is unknown.
No	7	none	None	Added as a legacy choice from the ESIS database when the ESI data (from ESIS) was imported into NASIS. Actual definition of this choice is unknown.
No	8	rolling and hilly plains or plateaus	Rolling and hilly plains or plateaus	Added as a legacy choice from the ESIS database when the ESI data (from ESIS) was imported into NASIS. Actual definition of this choice is unknown.
No	9	sand dunes, sand hills	Sand dunes, sand hills	Added as a legacy choice from the ESIS database when the ESI data (from ESIS) was imported into NASIS. Actual definition of this choice is unknown.
No	10	stream terraces	Stream terraces	Added as a legacy choice from the ESIS database when the ESI data (from ESIS) was imported into NASIS. Actual definition of this choice is unknown.
No	11	swamp	Swamp	Added as a legacy choice from the ESIS database when the ESI data (from ESIS) was imported into NASIS. Actual definition of this choice is unknown.

---

Domain Description: List of landforms found in ESIS and which are imported into NASIS. May or may not correlate to land forms used in NASIS.

## NASIS 7.4.2 Domains

Domain Name: landuse\_or\_mgt\_system

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	alley cropping	Alley Cropping	No description available.
No	2	grazing by domestic livestock	Grazing By Domestic Livestock	No description available.
No	3	cover crops	Cover Crops	No description available.

---

Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: latitude\_direction

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	north	North	Latitude north of equator.
No	2	south	South	Latitude south of the equator.

---

Domain Description: The direction from the equator to a point on the ground. N or S

## NASIS 7.4.2 Domains

Domain Name: layer\_type

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	horizon	Horizon	The layer represents a morphological soil horizon.
No	2	reporting layer	Reporting layer	The layer represents some segment of the soil profile other than a whole morphological soil horizon, e.g. a portion of a morphological horizon.
Yes	3	true layer	True Layer	A layer which may or may not be a diagnostic horizon. The LIMS only requires that the true layer have depths.

---

Domain Description: Restricted to either a horizon or a reporting layer. i.e. horizons grouped into a single layer for laboratory analysis.



## NASIS 7.4.2 Domains

Domain Name: legend\_certification\_status

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	not for distribution	not for distribution	Data in the legend object, including some mapunits, correlation notes, or area overlaps, have been created but are not fully populated or the data are preliminary and incomplete. The data are subject to major changes. A legend with this status should not be interpreted, exported, or used by other applications. Note that this certification status applies to only the legend object.
No	2	not certified	not certified	The data in the legend object, including mapunits, correlation notes, and area overlaps, have been created and have been appropriately populated, but data have not been reviewed or certified. These are advance data, subject to change. Note that this certification status applies to only the legend object.
No	3	partly certified	partly certified	The data in the legend object, including mapunits, correlation notes, and area overlaps, have been appropriately populated and the data have been reviewed. At least some of the data elements have been certified for use in specific applications. Other data elements in the object have advance data, subject to change. Note that this certification status applies to only the legend object.
No	4	certified	certified	The data in the legend object, including mapunits, correlation notes, and area overlaps, have been appropriately populated, reviewed, and certified for general use. Note, that this certification status applies to only the legend object.

---

Domain Description: Indicates the degree to which an object is ready to be used for its intended purpose.

## NASIS 7.4.2 Domains

Domain Name: legend\_land\_category

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	native american land	Native American Land	Non-federal acres of tribal owned or Indian Trust land in the soil survey area. This category includes Alaska Native Lands and Hawaiian Homelands.
No	2	bureau of land management	Bureau of Land Management	Federal acres in the soil survey area administered by the Bureau of Land Management.
No	3	census water	Census Water	Bodies of water larger than 40 acres, and perennial streams wider than 1/8 mile.
No	4	u.s. forest service	U.S. Forest Service	Federal acres in the soil survey area administered by the U. S. Forest Service.
No	5	national park service	National Park Service	Federal acres in the soil survey area administered by the National Park Service.
No	6	other non-federal land	Other Non-Federal Land	Non-federal acres in the soil survey area, other than Native American Land.
No	7	other federal land	Other Federal Land	All federal acres in the soil survey area not covered by specific categories. This includes military reservations, national refuges, etc.

---

Domain Description: A generalized class of land ownership with the exception of Cenus Water (water bodies greater than 40 acres in size are their own land kind no matter the ownership).

## NASIS 7.4.2 Domains

Domain Name: legend\_mapunit\_text\_kind

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	edit notes	Edit notes	Text entries that describe what changes were made to the data and why those changes were made.
No	2	certification statements	Certification statements	Text entries related to certification of this legend. For example, statements of prior survey and legend-wide join statements.
No	3	correlation notes	Correlation notes	Text entries related to correlation concerns that affect the entire legend.
No	4	miscellaneous notes	Miscellaneous notes	Text entries not relate to any of the other choices.

---

Domain Description: The kind of text note used to record additional information about the legend mapunit in the aggregated data.

## NASIS 7.4.2 Domains

Domain Name: legend\_suitability\_for\_use

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	not current	not current	The legend has been completely replaced by another legend for the survey area. Typically this legend has an out-of-date operational soil survey status and another survey legend completely covers the geographic area served by this legend.
No	2	current for part of area	current for part of area	The legend is up-to-date for only part of the geographic area it covers. Another legend is up-to-date for the remaining area. Typically occurs where an update survey is on-going in a survey area or where a more recent survey covers part of the geographic area.
No	3	current wherever mapped	current wherever mapped	The legend is up-to-date wherever it has been mapped in the survey area. If the survey area is completely mapped, the legend applies over the entire geographic area. If the mapping is on-going, the legend is up-to-date where mapping has been completed.

---

Domain Description: Defines the classes of suitability or geographic extent to which a legend may be applied.

## NASIS 7.4.2 Domains

Domain Name: legend\_text\_kind

Obsolete?	ID	Data Entry Text	Label Text	Description
No	3	correlation notes	Correlation notes	Text entries related to correlation concerns that affect the entire legend.
No	4	miscellaneous notes	Miscellaneous notes	Text entries not relate to any of the other choices.
No	5	certification statements	Certification statements	Text entries related to certification of this legend. For example, statements of prior survey and legend-wide join statements.
No	6	edit notes	Edit notes	Text entries that describe what changes were made to the data and why those changes were made.
No	7	mou	Memorandum of understanding	Text entries that include the text of the original MOU for the survey and any amendments to the MOU.
No	8	field reviews	Field reviews	Text entries related to initial, progress, and final field reviews. For example, the general text part of a progress field review that applies to the entire legend.
Yes	1	nontechnical description	Nontechnical description	No description available.
Yes	2	s5 description	SOI5 description	No description available.

---

Domain Description: The kind of text note used to record additional information about the legend in the aggregated data.

## NASIS 7.4.2 Domains

Domain Name: logical\_data\_type\_nasis

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	binary	Binary	No description available.
No	2	boolean	Boolean	No description available.
No	3	choice	Choice	No description available.
No	4	datetime	Date/Time	No description available.
No	5	esri geometry - line	ESRI Geometry Line	No description available.
No	6	esri geometry - point	ESRI Geometry Point	No description available.
No	7	esri geometry - polygon	ESRI Geometry Polygon	No description available.
No	8	float	Float	No description available.
No	9	integer	Integer	No description available.
No	10	money	Money	No description available.
No	11	narrative text	Narrative Text	No description available.
No	12	string	String	No description available.
No	13	edit setup	Edit Setup	No description available.
No	14	evaluation	Evaluation	No description available.
No	15	property	Property	No description available.
No	16	query	Query	No description available.
No	17	rule	Rule	No description available.
No	18	guid	GUID	No description available.
No	19	xml	XML	No description available.
No	20	calculation	Calculation	No description available.
No	21	report	Report	No description available.
No	22	file reference	File Reference	No description available.
No	23	sql geometry	SQL Geometry	No description available.
No	24	hyperlink	Hyperlink	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	25	unknown	Unknown	No description available.
No	26	yes/no	Yes/No	Added to for Pedon PC 6.3 system. The Pedon PC 6.3 system is based on the Microsoft Access physical data types. Yes/No is used instead of Boolean.

---

Domain Description: The heirarchy of database data types begins with the Logical data type. A piece of data may either be a member of a logical data type (TRUE) or not a member (FALSE). i.e. A data element holding the value 3.4 is numeric, but not an integer. Therefore, it is a member of the Logical data type Float and cannot be a member of the Logical data type Integer. Most Logical data types have more than one Physical data type in them. The Logical data type Integer, for example, has as physical data types, smallint, int, largeint, etc. NASIS has additiona Logical data types that don't occur in other systems. Such as the Edit/Setup Logical data type.

## NASIS 7.4.2 Domains

Domain Name: longitude\_direction

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	east	East	Longitude east of Greenwich (the Prime Meridian or origin). (Snyder, J.P., 1982, Map Projections Used by the USGS)
No	2	west	West	Longitude west of Greenwich (the Prime Meridian or origin). (Snyder, J.P., 1982, Map Projections Used by the USGS)

---

Domain Description: The direction from the Prime Meridian, a.k.a. the Greenwich Meridian, to the point on the ground. E or W



## NASIS 7.4.2 Domains

Domain Name: manner\_of\_failure

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	brittle	Brittle	The specimen retains its size and shape (no deformation) until it ruptures abruptly into subunits or fragments. (SSM)
No	2	deformable	Deformable	The specimen can be compressed to half its original thickness without rupture. Radial cracks may appear and extend inward less than half the radius normal to compression. (SSM)
No	3	moderately fluid	Moderately fluid	After exerting full compression, most of the specimen flows through the fingers; a small residue remains in the palm of the hand. The approximate equivalent n-value is 1 to 2. (Pons and Zonneveld, 1965)
No	4	moderately smeary	Moderately smeary	At failure, the specimen changes suddenly to fluid, the fingers skid, and the soil smears. Afterward, some free water can be seen on the fingers. (SSM)
No	5	nonfluid	Nonfluid	None of the specimen flows through the fingers after exerting full compression. (SSM) The approximate equivalent n-value is less than 0.7. (Pons and Zonneveld, 1965)
No	6	nonsmeary	Nonsmeary	At failure, the specimen does not change suddenly to a fluid, the fingers do not skid, and no smearing occurs. (SSM)
No	7	semideformable	Semideformable	Deformation occurs prior to rupture. Cracks develop and the specimen ruptures before compression to half its original thickness. (SSM)
No	8	slightly fluid	Slightly fluid	After exerting full compression, some of the specimen flows through the fingers, but most remains in the palm of the hand. The approximate equivalent n-value is 0.7 to 1. (Pons and Zonneveld, 1965)
No	9	strongly smeary	Strongly smeary	At failure, the specimen suddenly changes to fluid, the fingers skid, the soil smears, and is very slippery. Afterward, free water is easily seen on the fingers. (SSM)
No	10	very fluid	Very fluid	Under very gentle pressure most of the specimen flows through the fingers like a slightly viscous fluid; very little or no residue remains in the palm of the hand. (SSM) The approximate equivalent n-value is equal to or greater than 2. (Pons and Zonneveld, 1965)
No	11	weakly smeary	Weakly smeary	At failure, the specimen changes suddenly to fluid, the fingers skid, and the soil smears. Afterward, little or no free water remains on the fingers. (SSM)
Yes	12	smeary	Smeary	No description available.
Yes	13	strongly fluid	Strongly fluid	No description available.

Domain Description: The rate of change and the physical condition soil attains when subjected to compression. Soil samples are either moist or wetter when evaluated for manner of failure. Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012

## NASIS 7.4.2 Domains

Domain Name: map\_finish\_method

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	manual	Manual	The soil layer was done by manually inking or scribing the soil lines.
No	2	digital	Digital	The map finishing job used the digital soil data layer.

---

Domain Description: The method used to complete a map finishing project in a soil survey. The map finishing was accomplished either done by hand, manually, or done by a computer program, digitally.

## NASIS 7.4.2 Domains

Domain Name: mapunit\_hel\_class

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	highly erodible	Highly erodible land	No description available.
No	2	potentially highly erodible	Potentially highly erodible land	No description available.
No	3	not highly erodible	Not highly erodible land	No description available.

---

Domain Description: No longer used.

## NASIS 7.4.2 Domains

Domain Name: mapunit\_kind

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	association	Association	Two or more dissimilar soils that occur in a regularly repeating pattern that could have been separated at the scale of field mapping, but were not separated due to the intended purpose of the survey.
No	2	consociation	Consociation	At least seventy-five percent (75%) of the map unit is within the range of the soil providing the name of the unit, and closely similar soils.
No	3	undifferentiated group	Undifferentiated group	Two or more similar soils that are not always geographically associated, and are mapped together due to them having the same or very similar use and management concerns.
No	4	complex	Complex	Two or more dissimilar soils that occur in a regularly repeating pattern, that cannot be separated at the scale of field mapping.

---

Domain Description: The general type of mapunit falls into. i.e. Complex, Association, Consociation, or Undifferentiated.

## NASIS 7.4.2 Domains

Domain Name: mapunit\_selection\_criteria

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	mapunit status	Mapunit status	No description available.
No	2	selected set	Selected set	No description available.

---

Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: mapunit\_status

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	provisional	Provisional	A map unit used by the soil survey office leader, but that has not been officially approved for use.
No	2	approved	Approved	A map unit on the current, signed field review report for the respective geographic area.
No	3	correlated	Correlated	A map unit on the signed final correlation document.
No	4	additional	Additional	A map unit that has been used in the past, but that has since been combined with another map unit.

---

Domain Description: One of four stages that a mapunit goes through prior to publication.

## NASIS 7.4.2 Domains

Domain Name: mapunit\_text\_kind

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	nontechnical description	Nontechnical description	Map unit descriptions converted from SSSD and downloaded to FOCS.
No	3	correlation notes	Correlation notes	Text entries about correlation concerns related to this mapunit, not including mapunit name or status changes.
No	4	miscellaneous notes	Miscellaneous notes	Text entries not related to any of the other choices.
No	5	certification statements	Certification statements	Text entries related to certification of mapunits.
No	6	edit notes	Edit notes	Text entries that describe what changes were made to the data and why those changes were made.
No	7	map unit description	Map unit description	Map unit descriptions typically used in a descriptive legend.
Yes	2	s5 description	SOI5 description	No description available.

---

Domain Description: The kind of text note used to record additional information about the mapunit in the aggregated data.

## NASIS 7.4.2 Domains

Domain Name: mapunit\_type

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	mlra map unit	MLRA Map Unit	A map unit that is designed to cover the full conceptual extent of the map unit across multiple Non-MLRA soil survey areas and their legends.
No	2	non-mlra map unit	Non-MLRA Map Unit	A map unit that is specific to an individual Non-MLRA soil survey area and its legend.
No	3	STATSGO map unit	STATSGO Map Unit	A map unit that is designed for STATSGO level data.
No	4	land resource area land resource region map unit	Land Resource Area Land Resource Region Map Unit	A map unit that is designed to cover the full conceptual extent of the land resource region across the whole of the Land Resource Area.
No	5	land resource area major land resource area map unit	Land Resource Area Major Land Resource Area Map Unit	A map unit that is designed to cover the full conceptual extent of the major land resource area across the whole of the Land Resource Area.
No	6	land resource area land resource unit map unit	Land Resource Area Land Resource Unit Map Unit	A map unit that is designed to cover the full conceptual extent of the land resource unit across the whole of the Land Resource Area.

Domain Description: This domain is a list of the different types of map units. Will be useful in stratifying projects. Will be only in the Map Unit table, but will also be part of the lineage in the Legend Map Unit and Project Map Unit tables. Initially will have the following types. Non-MLRA Map Unit, MLRA Map Unit, and STATSGO Map Unit.



## NASIS 7.4.2 Domains

Domain Name: mi\_soil\_management\_group

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	0a	0a	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	2	0b	0b	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	3	0c	0c	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	4	1a	1a	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	5	1b	1b	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	6	1c	1c	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	7	1c-c	1c-c	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	8	1.5a	1.5a	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	9	1.5b	1.5b	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	10	1.5c	1.5c	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	11	1.5c-c	1.5c-c	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	12	2.5a	2.5a	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	13	2.5a-a	2.5a-a	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	14	2.5a-af	2.5a-af	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	15	2.5a-s	2.5a-s	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University

Obsolete?	ID	Data Entry Text	Label Text	Description
No	16	2.5a-d	2.5a-d	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	17	2.5a-cs	2.5a-cs	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	18	2.5b	2.5b	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	19	2.5b-cs	2.5b-cs	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	20	2.5b-cd	2.5b-cd	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	21	2.5b-d	2.5b-d	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	22	2.5b-s	2.5b-s	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	23	2.5c	2.5c	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	24	2.5c-c	2.5c-c	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	25	2.5c-cs	2.5c-cs	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	26	2.5c-s	2.5c-s	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	27	3/1a	3/1a	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	28	3/1b	3/1b	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	29	3/1c	3/1c	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	30	3/2a	3/2a	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	31	3/2a-f	3/2a-f	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	32	3/2b	3/2b	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University

Obsolete?	ID	Data Entry Text	Label Text	Description
No	33	3/2b-d	3/2b-d	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	34	3/2c	3/2c	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	35	3a	3a	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	36	3a-a	3a-a	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	37	3a-af	3a-af	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	38	3a-f	3a-f	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	39	3a-s	3a-s	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	40	3b	3b	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	41	3b-a	3b-a	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	42	3b-s	3b-s	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	43	3c	3c	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	44	3c-s	3c-s	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	45	3/5a	3/5a	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	46	3/5a-a	3/5a-a	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	47	3/5b	3/5b	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	48	3/5b-c	3/5b-c	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	49	3/5c	3/5c	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University

Obsolete?	ID	Data Entry Text	Label Text	Description
No	50	4/1a	4/1a	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	51	4/2b	4/2b	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	52	4/2b-s	4/2b-s	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	53	4/2c	4/2c	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	54	4/2c-c	4/2c-c	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	55	4a	4a	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	56	4a-a	4a-a	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	57	4a-af	4a-af	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	58	4b	4b	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	59	4c	4c	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	60	5/2a	5/2a	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	61	5/2b	5/2b	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	62	5/2c	5/2c	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	63	5a	5a	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	64	5a-a	5a-a	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	65	5a-h	5a-h	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	66	5b	5b	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University

Obsolete?	ID	Data Entry Text	Label Text	Description
No	67	5b-h	5b-h	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	68	5c	5c	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	69	5c-a	5c-a	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	70	5c-c	5c-c	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	71	5.3a	5.3a	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	72	5.7a	5.7a	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	73	ga	Ga	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	74	ga-f	Ga-f	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	75	gbc	Gbc	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	76	gc-cd	Gc-cd	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	77	l-2a	L-2a	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	78	l-2b	L-2b	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	79	l-2c	L-2c	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	80	l-2c-c	L-2c-c	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	81	l-4a	L-4a	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	82	l-4c	L-4c	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	83	l-Mc	L-Mc	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University

Obsolete?	ID	Data Entry Text	Label Text	Description
No	84	ra	Ra	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	85	rbc	Rbc	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	86	2/ra	2/Ra	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	87	2/rb	2/Rb	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	88	2/rbc	2/Rbc	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	89	3/ra	3/Ra	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	90	3/rbc	3/Rbc	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	91	4/ra	4/Ra	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	92	4/rbc	4/Rbc	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	93	m/1c	M/1c	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	94	m/3c	M/3c	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	95	m/4c	M/4c	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	96	m/4c-a	M/4c-a	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	97	m/mc	M/mc	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	98	m/rc	M/Rc	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	99	mc	Mc	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	100	mc-a	Mc-a	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University

Obsolete?	ID	Data Entry Text	Label Text	Description
No	101	1.5a-s	1.5a-s	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	102	1.5b-s	1.5b-s	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	103	1/5a	1/5a	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	104	1/rbc	1/Rbc	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	105	2/3a-f	2/3a-f	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	106	3/2a-d	3/2a-d	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	107	3a-d	3a-d	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	108	3b-af	3b-af	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	109	4a-h	4a-h	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	110	4/1b	4/1b	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	111	4/1c	4/1c	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	112	4/2a	4/2a	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	113	4/2a-f	4/2a-f	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	114	4/2a-hs	4/2a-hs	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	115	5c-h	5c-h	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	116	5/2b-h	5/2b-h	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	117	ga-d	Ga-d	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University

Obsolete?	ID	Data Entry Text	Label Text	Description
No	118	g/ra	G/Ra	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	119	g/rbc	G/Rbc	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	120	gbc-af	Gbc-af	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	121	m/3c-a	M/3c-a	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University
No	122	m/ra	M/Ra	Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University

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Domain Description: Concept was developed in Michigan to communicate soils information and to aid in the use of soil survey reports and maps. This concept combines soils with similar profiles, management requirements, and responses to like management practices. Reference: Soil Management Units and Land Use Planning, Extension Bulletin E-1262, Cooperative Extension Service, Michigan State University



## NASIS 7.4.2 Domains

Domain Name: mica\_kind

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	mica, unspecified	Mica	No description available.
No	2	mica, biotite	Biotite mica	No description available.
No	3	mica, muscovite	Muscovite mica	No description available.
No	4	mica, mixed	Mixed mica	No description available.

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Domain Description: The dominant mineral composing the mica.

## NASIS 7.4.2 Domains

Domain Name: microrelief\_kind

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	microhigh	Microhigh	A generic microrelief term applied to slightly elevated areas relative to the adjacent ground surface; differences in relief range from several centimeters to several meters; cross sectional profiles can be simple or complex and generally consist of gently rounded, convex tops with gently sloping sides.
No	2	microlow	Microlow	A generic microrelief term applied to slightly lower areas relative to the adjacent ground surface; differences in relief range from several centimeters to several meters; ; cross sectional profiles can be simple or complex and generally consist of subdued, concave, open or closed depressions with gently sloping sides.
No	6	microslope	Microslope	A generic Microrelief term applied to areas of nominal surface relief (slightly sloping to level), relative to the adjacent ground surface; differences in overall local relief range from several centimeters to several meters. Cross-sectional profiles can be simple or complex and generally consist of low and gently rounded, convex tops (microhigh) with gently sloping to level sides (microslope), and depressional low areas (microlow). Microslopes commonly constitute the majority of the land surface area in gilgai and other settings with microrelief. SW.
Yes	3	microdepression	Microdepression	refer to micro-low
Yes	4	microknoll	Microknoll	refer to micro-high.
Yes	5	other	Other (specified in notes)	No description available.

Domain Description: (1) slight variations in the height of a land surface that are too small to delineate on a topographic or soils map at commonly used scales (1:24000 or 1:15840); (2) differences in ground-surface height, measured over distances of meters; (3) A vertical change in relief typically measured in centimeters.

## NASIS 7.4.2 Domains

Domain Name: milestone\_progress\_unit

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	pedon	Pedon	No description available.
No	2	transect	Transect	No description available.
No	3	acre	Acre	No description available.
No	4	map unit	Map unit	No description available.
No	5	data mapunit	Data mapunit	No description available.
No	6	percent	Percent	No description available.
No	7	number of ecological sites	Number of Ecological Sites	No description available.
No	8	no of analyses	Number of Analyses	No description available.

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Domain Description: The unit of measure by which the a specific milestone is measured in the completion of aTechnical Soil Service project.

## NASIS 7.4.2 Domains

Domain Name: miscellaneous\_areas

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	badland	Badland	Badland is moderately steep to very steep barren land that is dissected by many intermittent drainage channels. Ordinarily, the areas are not stony. Badland is most common in semiarid and arid regions where streams cut into soft geologic material. Local relief generally ranges from 10 and 200 meters in height. Potential runoff is very high, and erosion is active.
No	2	beaches	Beaches	Beaches are sandy, gravelly, or cobbly shores that are washed and rewashed by waves. The areas may be partly covered with water during high tides or storms.
No	4	chutes	Chutes	Chutes are elongated areas on steep mountain slopes that lack vegetation. The vegetation has been removed by avalanche or mass movement activity. Chutes consist of exposed bedrock, rock fragments, and large woody debris. Their slopes are parallel to the slope of the mountain, and their lengths are at least ten times their widths.
No	5	cinder land	Cinder land	Cinder land is composed of loose cinders and other scoriaceous magmatic ejecta. The water-holding capacity is very low, and trafficability is poor.
No	7	dams	Dams	Dams are artificial structures, oriented across a watercourse or natural drainage area, for the purpose of impounding or diverting water.
No	8	dumps	Dumps	Dumps are areas of smoothed or uneven accumulations or piles of waste rock and general refuse. The phase, Dumps, mine, consist of areas of waste rock from mines, quarries, and smelters. The component name remains Dumps. Some dumps that are closely associated pits are mapped as Dumps-Pits complex.
No	9	dune land	Dune land	Dune land consists of sand in ridges and intervening troughs that shift with the wind.
No	10	glaciers	Glaciers	Glaciers are large masses of ice that formed, at least in part, on land by the compaction and recrystallization of snow. They may be moving slowly downslope or outward in all directions because of the stress of their own weight; or, they may be retreating or be stagnant. A little earthy material may be on or in the ice.
No	11	gullied land	Gullied land	Gullied land consists of areas where erosion has cut a network of V-shaped or U-shaped channels. The areas resemble miniature badlands. Generally, gullies are so deep that extensive reshaping is necessary for most uses. Small areas can be shown by spot symbols. Phases that indicate the kind of material remaining may be useful for some areas.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	13	lava flows	Lava flows	Lava flows are areas covered with lava. In most humid regions, the flows are of Holocene age; but, in arid and very cold regions, they may be older. Most flows have sharp, jagged surfaces, crevices, and angular blocks that are characteristic of lava. Others are relatively smooth and have a ropy glazed surface. A little earthy material may be in a few rocks and sheltered pockets, but the flows are virtually devoid of plants other than lichens.
No	14	oil-waste land	Oil-waste land	Oil-waste land consists of areas where liquid oily wastes, principally of saltwater and oil, have accumulated. It includes slush pits and adjacent areas that are affected by the liquid wastes. The land is barren, although some of it can be reclaimed at high cost.
No	15	pits	Pits	Pits are open excavations from which soil and commonly underlying material have been removed, exposing either rock or other material.
No	16	playas	Playas	Playas are barren flats in closed basins in arid regions. Many of the areas are subject to wind erosion, and many are saline, sodic, or both. The water table may be near the surface sometimes.
No	17	riverwash	Riverwash	Riverwash is unstabilized sandy, silty, clayey, or gravelly sediment that is flooded, washed, and reworked frequently by rivers.
No	18	rock outcrop	Rock outcrop	Rock outcrop consists of exposures of bare bedrock, other than lava flows and rock-lined pits. If needed, map units can be named according to the kind of rock.
No	19	rubble land	Rubble land	Rubble land consists of areas of cobbles, stones, and boulders. Rubble land is commonly at the base of mountains, but some areas are deposits of cobbles, stones, and boulders left on mountainsides by glaciation or by periglacial processes. Rubble land has a length that is less than ten times the width. A line connecting the widest points of rubble land is perpendicular to the slope of the mountain.
No	22	slickens	Slickens	Slickens are accumulations of fine-textured material, such as that separated in placer mine and ore mill operations. Slickens from ore mills consist largely of freshly ground rock that commonly has undergone chemical treatment during the milling process. Slickens are usually confined in specially constructed basins.
No	25	urban land	Urban land	Urban land is land mostly covered by streets, parking lots, buildings, and other structures of urban areas.
No	26	water	Water	Water includes streams, lakes, ponds, and estuaries. These areas are covered with water in most years, at least during the period that is warm enough for plants to grow. Many areas are covered throughout the year.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	27	mined land	Mined land	Mined land is areas which are significantly altered by mining activities. Soil material and rock has been moved into, out of, or within the areas designated. Because access to mined land may be limited by permissions or hazardous materials, identification of soil components can be difficult or impossible. Mined land may also have associated small excavations which could be correlated and delineated as pits if needed. NSSH Part 627, Exhibit 627-1.
Yes	3	blown-out land	Blown-out land	Blownout land consists of areas from which all or most of the soil material has been removed by extreme wind erosion. The areas are generally shallow depressions that have flat or irregular floors. In some places the floor is a layer of material that is more resistant to wind erosion than the removed material or is a layer of pebbles or cobbles. In other places the floor may have been formed from exposure of the water table. Areas that are covered by water most of the year are mapped as Water. Some areas have a few hummocks or small dunes. Few areas of blown-out land are large enough to be delineated; small areas can be shown by spot symbols.
Yes	6	cirque land	Cirque land	Cirque land consists of areas of rock and rubble that are characteristically bowl-like and semicircular in shape. The areas have been caused by glacial erosion.
Yes	12	gypsum land	Gypsum land	Gypsum land consists of exposures of nearly pure soft gypsum. The surface is generally very unstable and erodes easily. Trafficability is very poor. Areas of hard gypsum are mapped as Rock outcrop.
Yes	20	salt flats	Salt flats	Salt flats are undrained flats that have surface deposits of crystalline salt overlying stratified, very strongly saline sediment. These areas are closed basins in arid regions. The water table may be near the surface sometimes.
Yes	21	scoria land	Scoria land	Scoria land consists of areas of slaglike clinkers, burned shale, and fine-grained sandstone which remain after coal beds burn out. (Scoria land should not be confused with volcanic slag.)
Yes	23	slickspots	Slickspots	Slickspots are areas that have a puddled or crusted, very smooth, nearly impervious surface. The underlying material is dense and massive. The material ranges from extremely acid to very strongly alkaline and from sand to clay.
Yes	24	uranium mined land	Uranium mined land	Uranium mined land consists of areas where uranium has been mined. The areas include the actual mines, shafts, structures, borrow pits, barren tailings and waste rock piles, evaporation ponds, and contaminated waste yards.

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Domain Description: A common name for an area of non-soil.

## NASIS 7.4.2 Domains

Domain Name: mlra\_office

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	portland, or	Portland, OR	No description available.
No	2	davis, ca	Davis, CA	No description available.
No	3	raleigh, nc	Raleigh, NC	No description available.
No	4	bozeman, mt	Bozeman, MT	No description available.
No	5	salina, ks	Salina, KS	No description available.
No	6	morgantown, wv	Morgantown, WV	No description available.
No	7	auburn, al	Auburn, AL	No description available.
No	8	phoenix, az	Phoenix, AZ	No description available.
No	9	temple, tx	Temple, TX	No description available.
No	10	st. paul, mn	St. Paul, MN	No description available.
No	11	indianapolis, in	Indianapolis, IN	No description available.
No	12	amherst, ma	Amherst, MA	No description available.
No	13	wasilla, ak	Wasilla, AK	No description available.

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Domain Description: The city and state where the current Soil Survey Regional Office or previously named MLRA Office is located.

## NASIS 7.4.2 Domains

Domain Name: moisture\_prep\_state

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	air-dry	Air-dry	No description available.
No	2	moist	Moist	No description available.

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Domain Description: The moisture state at which a soil sample is prepared for an analysis done in the Kellogg Soil Survey Laboratory.



## NASIS 7.4.2 Domains

Domain Name: mou\_agency\_responsible

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	blm	Bureau of Land Management	Bureau of Land Management; United States Department of Interior agency.
No	2	usfs	US Forest Service	US Forest Service; United States Department of Agriculture agency.
No	3	nracs	Natural Resources Conservation Service	Natural Resources Conservation Service; United States Department of Agriculture agency.
No	4	bia	Bureau of Indian Affairs	Bureau of Indian Affairs; United States Department of Interior agency.
No	5	co	County	State county or parrish.
No	6	div	Divison of Conservation	Divison of Conservation; usually a unit of state government.
No	7	dnr	Department of Natural Resources	Department of Natural Resources; usually a unit of state government.
No	8	dod	Department of Defense	United States Department of Defense.
No	9	doe	Department of Energy	United States Department of Energy.
No	10	dscs	Divison of Conservation Services	Divison of Conservation Services; usually a unit of state government.
No	11	ndsu	North Dakota State University	North Dakota State University
No	12	nps	National Park Service	National Park Service; United States Department of Interior agency.
No	13	uaf	US Air Force	US Air Force; United States Department of Defense agency.
No	14	ui	University of Illinois	University of Illinois
No	15	vpi	Virginia Polytechnic Institute	Virginia Polytechnic Institute
No	16	in	Indian Nation	Indian Nation; usually a specific officially recognized native american tribal entity. On a government to government basis.

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Domain Description: The governmental or private entity that the Natural Resources Conservation Service enters into a Memorandum of Understanding with when performing a task such as a soil survey or other related tasks.

## NASIS 7.4.2 Domains

Domain Name: nasis\_site\_office\_type

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	nhq	National Headquarters	National Headquarters
No	2	nssc	National Soil Survey Center	National Soil Survey Center
No	4	state	State Office	State Office
No	5	area	Area Office	Area Office
No	6	project	Project Soil Survey Office	Project Soil Survey Office
No	7	field	Field Office	Field Office
No	8	mo	MLRA Region Office	MLRA Region Office
No	9	other	Other Type of Office	Other Type of Office
Yes	3	ntc	National Technical Center	National Technical Center

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Domain Description: The general class of office types within the scope of the Natural Resources Conservation Service that soil or vegetation inventory staff work out of.

## NASIS 7.4.2 Domains

Domain Name: nh\_important\_forest\_soil\_group

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	IA	Group IA	Deep, loamy, well drained and moderately well drained soils with few management limitations.
No	2	IB	Group IB	Deep, loamy or sandy, well drained or moderately well drained soils with few management limitations.
No	3	IC	Group IC	Deep, sandy and gravelly, excessively drained through moderately well drained outwash soils with few management limitations.
No	4	IIA	Group IIA	Diverse group of soils, generally groups IA and IB soils that have management limitations.
No	5	IIB	Group IIB	Poorly drained soils.
No	6	NC	NC	Generally unproductive soils or miscellaneous areas.

Domain Description: Groupings of soils that allow New Hampshire land managers to evaluate the relative productivity of soils and to better understand patterns of plant succession and how soil and site interactions influence management decisions. All soils in New Hampshire have been grouped into one of six categories. Reference: Good Forestry in the Granite State: Recommended Voluntary Forest Management Practices for New Hampshire.

## NASIS 7.4.2 Domains

Domain Name: nj\_farmland\_assessment

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	a	A	Very productive farmland - The most desirable soil in the area because of high yields and ease of cultivation.
No	2	b	B	Good farmland - Desirable soil because yields are generally high and the land can be cultivated on a permanent basis.
No	3	c	C	Fair farmland - Yields are lower those in soil Group B because of shallowness, droughtiness, or excessive moisture. This land can be cultivated on a permanent basis.
No	4	d	D	Poor farmland - This soil is usually too wet, stony, droughty, or otherwise unsuitable for permanent cultivation. Yields are low when cultivated.
No	5	e	E	Very poor farmland - This land is often found in pasture or woodlands. Yields are ver low because of excessive water, shallowness, stoniness or droughtiness.
No	6	f	F	Land unsuitable for agriculture - This consists of rock outcrop, rough stony land, coastal beaches, and clay pits.

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Domain Description: Class, based on soil properties and land use, into which all land in New Jersey is grouped and ranked for agricultural suitability. Reference: New Jersey Farmland Assessment Act - 1964.

## NASIS 7.4.2 Domains

Domain Name: observation\_date\_kind

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	actual site observation date	Actual Site Observation Date	The date on which the data for a site was actually observed in the field.
No	2	entry creation date	Entry Creation Date	The date on which a particular site observation record was entered into the database, either via the program interface or via an import of data from an external source.
No	3	monitoring equipment installed	Monitoring equipment installed	The date on which monitoring equipment was installed at the site.

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Domain Description: The kind of date when the observation was recorded. I.e. date of actual description, date description was entered into NASIS, or a little differently, the date when monitoring device(s) were installed.

## NASIS 7.4.2 Domains

Domain Name: observation\_intensity

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	quick note	Quick Note	General observational note that lists species presence at data point. No attempt is made to estimate or collect composition data. Reference: This comes from the direction provided to soil scientists in Chapter 23 of the NASIS User's Guide on vegetation data entry.
No	2	low-intensity	Low-Intensity	Rapid community characterization intended to formulate patterns and relationships across the landscape. This is coarse-level observation data typically collected during field reconnaissance by those attempting to become familiar with the general features of the landscape, including vegetation communities. Reference: Definition formulated from information provided in National Ecological Site Handbook (NESH) Section 631, Subpart B, 631.11.
No	3	medium-intensity	Medium-Intensity	Focused data collection typically used to validate ecological site concepts. This data is typically collected by an individual trained in specialized data collection protocols appropriate for the habitat type. Reference: Definition formulated from information provided in National Ecological Site Handbook (NESH) Section 631, Subpart B, 631.12.
No	4	high-intensity	High-Intensity	Detailed community characterization that typifies the ecological site concept. It should be collected by a well-trained, properly calibrated vegetation specialist using data collection protocols appropriate for the habitat type. Reference: Definition formulated from information provided in National Ecological Site Handbook (NESH) Section 631, Subpart B, 631.13.

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Domain Description: Identifies the intensity level of the vegetation data collected at a point.

## NASIS 7.4.2 Domains

Domain Name: observation\_method

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	push tube	Push Tube	Sample extracted with a push tube, either hand held or hydraulically powered. Generally about 2 to 10 cm in diameter.
No	2	shovel slice	Shovel Slice	Shovel extracted by means of an undisturbed slice of soil with a shovel (sharpshooter, spade) from the side of a small pit. Generally about 20 x 40cm is size.
No	3	auger, bucket	Bucket Auger	Sample extracted by means of open, sand, closed, of mud bucket auger. Generally 5 to 12 cm diameter.
No	4	auger, screw	Screw Auger	Sample extracted by means of external thread hand auger, or mechanically powered flight auger. Generally 2 to 30 cm diameter.
No	5	pit, small	Small Pit	Sample extracted from a small hand-dug pit, dug with a shovel and/or hand pick. Generally less than 1m x 2m in size.
No	6	trench	Trench	Sample extracted from the wall of a trench or pit dug with the aid of a backhoe. Generally larger than 1 x 2m in size.
No	7	cut	Cut	Sample extracted from a relatively large near vertical cut such as a roadcut. Generally greater than 4 m in length.
No	8	pit, large or quarry	Large Pit or Quarry	Sample extracted from a large open pit or large very vertical bank, such as borrow pit, quarry, or stream cutbank. Generally greater than 33 m in length.
No	9	cut, beveled	Beveled Cut	No description available.
No	10	vibracore tube	Vibracore tube	A method of collecting a soil sample by means of a core tube driven into the soil by the force of gravity, enhanced by vibration energy. The vibrating mechanism of a vibracorer, sometimes called the "vibrahead", operates on hydraulic, pneumatic, mechanical or electrical power from an external source. When the insertion is completed, the vibracorer is turned off, and the tube is withdrawn with the aid of hoist equipment.
No	11	auger, dutch	Dutch auger	An open, strap-sided bucket auger (5-10 cm diam.) with a sharpened outer edge and a screw tip with a partial twist; also called a 'mud auger'.
No	12	dive observation	Dive observation	A visual assessment of undisturbed conditions or site performed under water.
No	13	macaulay sampler	Macaulay sampler	A hollow push tube with a hinged door that is driven into soft sediments (e.g., organics) and partially rotated to obtain an undisturbed sample.
No	14	video	Video	Electronically recorded, sequential digital images of a subaqueous setting/site.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	15	permafrost auger	Permafrost Auger	Sample extracted by means of a permafrost auger. This auger is a tool for taking cores in ice and frozen soils. It takes a 7.62 cm (3 inch) diameter core and can be used to core several meters by hand and further if used with a vehicle mounted drill rig. Used in AK. Added to the list in 2016.

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Domain Description: The sampling device or procedure used to expose/observe the soil horizon or layer being described. Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012



## NASIS 7.4.2 Domains

Domain Name: observed\_soil\_moisture\_status

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	dry	Dry	>1500 kPa (>15 bar) suction
No	2	very dry	Very dry	Less than 0.35 of the 15 bar water retention.
No	3	moderately dry	Moderately dry	0.35 to 0.8 of the 15 bar water retention.
No	4	slightly dry	Slightly dry	0.8 to 1.0 of the 15 bar water retention.
No	5	moist	Moist	=<1500 to 0.01 kPa ( =<15 bar to 0.00001 bar) suction.
No	6	slightly moist	Slightly moist	15 bar suction to MWR (see SSM p 91).
No	7	moderately moist	Moderately moist	MWR to UWR water content (see SSM p91).
No	8	very moist	Very moist	UWR to 0.01 bar suction (see SSM p91).
No	9	wet	Wet	<1.0 kPa, or <0.5 for coarse soils, (<0.01 bar or 0.005 for coarse soils) suction.
No	10	wet, non-satiated	Wet, non-satiated	=>0.01 to 1.0 (0.5 for coarse soils) kPa suction, (=>0.00001 bar to 0.01 bar, 0.005 for coarse soils). Water films are visible, sand grains and peds glisten, but no free water is present.
No	11	wet, satiated	Wet, satiated	<0.01 kPa (<0.00001 bar) suction; free water present.
Yes	12	saturation	Saturation from capillary fringe	No description available.
Yes	13	frozen	Frozen	No description available.

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Domain Description: Relative estimate the water state of the soil at the time of observation; e.g., wet, nonsatiated. Soil temperature must be above 0 degrees C. (Does not apply to frozen soil.). Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012

## NASIS 7.4.2 Domains

Domain Name: organic\_material\_added

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	animal manure	Animal Manure	No description available.
No	2	green manure	Green Manure	No description available.
No	3	other organic material amendments	Other Organic Material Amendments	No description available.

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Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: `osd_text_kind`

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	certification statements	Certification statements	Text entries related to certification of this Official Series Description.
No	2	edit notes	Edit notes	Text entries that describe what changes were made to the Official Series Description and why those changes were made.
No	3	miscellaneous notes	Miscellaneous notes	Text entries not related to any of the other choices.
No	4	osd_note, formatted	OSD note, formatted	A formatted note written at the time of describing a site, pedon. or horizon. This note may be included into the osd description report.
No	5	osd_note, unformatted	OSD note, unformatted	A free-form note written at the time of adding an Official Series Description record.
No	6	qc/qa review notes	QC/QA review notes	Note(s) created as part of a quality control (QC) or quality assurance (QA) review of the data associated with a Official Series Description record.

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Domain Description: The kind of text note used to record additional information about the Official Series Description.

## NASIS 7.4.2 Domains

Domain Name: outflow\_chamber\_conv\_factor

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	20	20	No description available.
No	2	105	105	No description available.

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Domain Description: It is the outflow chamber conversion factor for the Amoozemter (cm2). It is used to calculate the outflow of water per unit of time (Q). The Amoozemeter has two chambers. If both chambers are used to measure Ksat than the chamber conversion factor 105 cm2 is used. If the small chamber is used, then the conversion factor of 20 cm2 is used to calculate outflow (Q).

## NASIS 7.4.2 Domains

Domain Name: parent\_material\_kind

Obsolete?	ID	Data Entry Text	Label Text	Description
No	16	volcanic ash	Volcanic ash	Unconsolidated, pyroclastic material less than 2 mm in all dimensions.
No	17	volcanic ash, acidic	Acidic volcanic ash	No description available.
No	18	volcanic ash, basic	Basic volcanic ash	No description available.
No	19	volcanic ash, basaltic	Basaltic volcanic ash	No description available.
No	20	volcanic ash, andesitic	Andesitic volcanic ash	No description available.
No	21	cinders	Cinders	Uncemented vitric, vesicular, pyroclastic material, more than 2.0 mm in at least one dimension, with an apparent specific gravity (including vesicles) of more than 1.0 and less than 2.0.
No	22	pumice	Pumice	No description available.
No	23	scoria	Scoria	Vesicular, cindery crust or bomb-sized fragments of such material on the surface of andesitic or basaltic lava, the vesicular nature of which is due to the escape of volcanic gases before solidification; it is usually heavier, darker, and more crystalline than pumice. Synonym - cinder.
No	24	volcanic bombs	Volcanic bombs	No description available.
No	39	organic, unspecified	Organic material	No description available.
No	40	organic, mossy material	Mossy organic material	No description available.
No	41	organic, herbaceous material	Herbaceous organic material	No description available.
No	42	organic, woody material	Woody organic material	No description available.
No	76	marl	Marl	A generic term loosely applied to a variety of materials, most of which occur as an earthy, unconsolidated deposit consisting chiefly of an intimate mixture of clay and calcium carbonate formed commonly by the chemical action of algae mats and organic detritus (periphyton); specifically an earthy substance containing 35-65% clay and 65-35% calcium carbonate mud; formed primarily under freshwater lacustrine conditions, but varieties associated with more saline environments and higher carbonate contents also occur. Compare coastal marl, freshwater marl,
No	88	alluvium	Alluvium	Unconsolidated clastic material subaerially deposited by running water, including gravel, sand, silt, clay, and various mixtures of these.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	89	beach sand	Beach sand	Well sorted, sand-sized, clastic material transported, sorted and deposited primarily by wave action and deposited in a shore environment. Compare - eolian sands.
No	90	colluvium	Colluvium	Unconsolidated, unsorted earth material being transported or deposited on side slopes and/or at the base of slopes by mass movement (e.g. direct gravitational action) and by local, unconcentrated runoff.
No	91	coprogenic material	Coprogenic material	No description available.
No	92	cryoturbate	Cryoturbate	No description available.
No	93	diamicton	Diamicton	A generic term for any nonlithified, nonsorted or poorly sorted sediment that contains a wide range of particle sizes, such as rock fragments contained within a fine earth matrix (e.g., till) and used when the genetic context of the sediment is uncertain.
No	94	diatomaceous earth	Diatomaceous earth	A layer of soil material (limnic materials) that is composed of diatoms. Diatomaceous earth is identified by several diagnostic criteria such as moist color value which changes on drying as a result of the irreversible shrinkage of organic-matter coats on diatoms and either a moist color value of 8 or more and a chroma of 2 or less from a saturated sodium-pyrophosphate extract on white chromatographic or filter paper, or a cation-exchange capacity of less than 240 cmol (+) per kg organic matter (measured by loss on ignition).
No	95	eolian deposits	Eolian deposits	Material transported and deposited by the wind. Includes earth materials such as dune sands, sand sheets, loess deposits, and clay (e.g. parna).
No	96	estuarine deposits	Estuarine deposits	No description available.
No	97	drift	Drift	A general term applied to all mineral material (clay, silt, sand, gravel, boulders) transported by a glacier and deposited directly by or from the ice, or by running water emanating from a glacier. Drift includes unstratified material (till) that forms moraines, and stratified deposits that form outwash plains, eskers, kames, varves, and glaciofluvial sediments. The term is generally applied to Pleistocene glacial deposits in areas that no longer contain glaciers.
No	98	glaciofluvial deposits	Glaciofluvial deposits	Material moved by glaciers and subsequently sorted and deposited by streams flowing from the melting ice. The deposits are stratified and may occur in the form of outwash plains, valley trains, deltas, kames, eskers, and kame terraces.
No	99	glaciolacustrine deposits	Glaciolacustrine deposits	Material ranging from fine clay to sand derived from glaciers and deposited in glacial lakes by water originating mainly from the melting of glacial ice. Many are bedded or laminated with varves or rhythmites.
No	100	glaciomarine deposits	Glaciomarine deposits	Glacially eroded, terrestrially derived sediments (clay, silt, sand, and gravel) that accumulated on the ocean floor. Sediments may be accumulated as an ice-contact deposit, by fluvial transport, ice-rafting, or eolian transport.
No	101	lacustrine deposits	Lacustrine deposits	Clastic sediments and chemical precipitates deposited in lakes.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	102	loess	Loess	Material transported and deposited by wind and consisting predominantly of silt size.
No	103	loess, calcareous	Calcareous loess	No description available.
No	104	marine deposits	Marine deposits	No description available.
No	105	mass movement deposits	Mass movement deposits	Sediment resulting from the dislodgement and downslope transport of soil and rock material as a unit under direct gravitational stress. The process includes slow displacements such as creep and solifluction, and rapid movements such as landslides, rock slides, and falls, earthflows, debris flows, and avalanches. Agents of fluid transport (water, ice, air) may play an important, if subordinate role in the process.
No	106	mine spoil or earthy fill	Mine spoil or earthy fill	No description available.
No	107	organic, grassy material	Grassy organic material	No description available.
No	108	outwash	Outwash	(a) Stratified detritus (chiefly sand and gravel) removed or "washed out" from a glacier by melt-water streams and deposited in front of or beyond the end moraine or the margin of an active glacier. The coarser material is deposited nearer to the ice.
No	109	pedisediment	Pedisediment	A layer of sediment, eroded from the shoulder and back slope of an erosional slope, that lies on and is, or was, being transported across a pediment.
No	110	residuum	Residuum	Unconsolidated, weathered, or partly weathered mineral material that accumulates by disintegration of bedrock in place.
No	111	slope alluvium	Slope alluvium	Sediment gradually transported on mountain or hill slopes primarily by alluvial processes and characterized by particle sorting. In a profile sequence, sediments may be distinguished by differences in size and/or specific gravity of coarse fragments and may be separated by stone lines. Sorting of rounded or subrounded pebbles or cobbles and burnished peds distinguish these materials from unsorted colluvial deposits.
No	112	tephra	Tephra	A collective term for all clastic volcanic materials that are ejected from a vent during an eruption and transported through the air, including ash [volcanic], blocks [volcanic], cinders, lapilli, scoria, and pumice. Tephra is a general term which, unlike many volcanoclastic terms, does not denote properties of composition, visicularity, or grain size.
No	113	till, ablation	Ablation till	A general term for loose, relatively permeable material deposited during the downwasting of nearly static glacial ice, either contained within or accumulated on the surface of the glacier.
No	114	till, basal	Basal till	Unconsolidated material of mixed composition deposited at the base (bottom) of a glacier [ The term emphaizes the e.g. subglacial till. Types of basal till include lodgment, melt-out, and flow till.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	115	till, flow	Flow till	A till, commonly supraglacial, that is modified and transported by plastic mass flow; also spelled flow till. Compare - ablation till, basal till, lodgment till, mass-movement till, slump-till, supraglacial melt-out till.
No	116	till, lodgment	Lodgment till	A basal till commonly characterized by compact, fissile ("platy") structure and containing coarse fragments oriented with their long axes generally parallel to the direction of ice movement.
No	117	till, melt-out	Melt-out till	Till derived from slow melting of debris-rich stagnant ice buried beneath sufficient overburden to inhibit deformation under gravity, thus preserving structures derived from the parent ice.
No	119	till, supraglacial	Supraglacial till	No description available.
No	120	till, unspecified	Till	Dominantly unsorted and unstratified drift, generally unconsolidated and deposited directly by a glacier without subsequent reworking by meltwater, and consisting of a heterogeneous mixture of clay, silt, sand, gravel, stones, and boulders; rock fragments of various lithologies are imbedded within a finer matrix that can range from clay to sandy loam. Compare - ablation till, basal till, flowtill, lodgment till, drift, moraine.
No	121	valley side alluvium	Valley side alluvium	No description available.
No	122	supraglacial debris-flow	Supraglacial debris-flow	No description available.
No	123	till, supraglacial meltout	Supraglacial meltout till	No description available.
No	124	backswamp deposits	Backswamp deposits	No description available.
No	125	overbank deposits	Overbank deposits	No description available.
No	126	mudflow deposits	Mudflow deposits	No description available.
No	127	block glide deposits	Block glide deposits	No description available.
No	128	creep deposits	Creep deposits	Sediment resulting from slow mass movement of earth material down slopes, caused by gravity but facilitated by saturation with water and alternate freezing and thawing.
No	129	debris avalanche deposits	Debris avalanche deposits	Sediment resulting from the very rapid and usually sudden sliding and flow of incoherent, unsorted mixtures of soil and weathered bedrock.
No	130	debris flow deposits	Debris flow deposits	Sediment resulting from a mass movement of rock fragments, soil, mud, more than half of the particles being larger than sand size.
No	131	debris slide deposits	Debris slide deposits	No description available.
No	132	earthflow deposits	Earthflow deposits	No description available.



Obsolete?	ID	Data Entry Text	Label Text	Description
No	133	lateral spread deposits	Lateral spread deposits	No description available.
No	134	rockfall deposits	Rockfall deposits	No description available.
No	135	rockfall avalanche deposits	Rockfall avalanche deposits	No description available.
No	136	rotational slide deposits	Rotational slide deposits	An accumulation of sediment resulting from a mass movement and a process characterized by a slide in which shearing takes place on a well defined, curved shear surface, concave upward, producing a backward rotation in the displaced mass.
No	137	scree	Scree	A collective term for an accumulation of coarse rock debris or a sheet of coarse debris mantling a slope. Scree is not a synonym of talus, as scree includes loose, coarse fragment material on slopes without cliffs.
No	138	soil fall deposits	Soil fall deposits	No description available.
No	139	talus	Talus	Rock fragments of any size or shape (usually coarse and angular) derived from and lying at the base of a cliff or very steep rock slope. The accumulated mass of such loose broken rock formed chiefly by falling, rolling, or sliding.
No	140	topple deposits	Topple deposits	No description available.
No	141	grus	Grus	The fragmental products of in situ granular disintegration of granite and granitic rocks, dominated by inter-crystal disintegration.
No	142	saprolite	Saprolite	- (Provisional definition) Soft, friable, isovolumetrically weathered bedrock that retains the fabric and structure of the parent rock (Colman and Dethier, 1986) exhibiting extensive inter-crystal and intra-crystal weathering. In pedology, saprolite was formerly applied to any unconsolidated residual material underlying the soil and grading to hard bedrock below.
No	143	eolian sands	Eolian sands	Material transported and deposited by the wind, dominated by particles of sand-size (0.05-2 mm).
No	144	loess, noncalcareous	Noncalcareous loess	Noncalcareous material transported and deposited by wind and consisting predominantly of silt size (0.002-0.05 mm).
No	145	parna	Parna	A term used, especially in southeast Australia, for silt and sand-sized aggregates of eolian clay occurring in sheets.
No	146	lahar deposits	Lahar deposits	Unconsolidated volcanoclastic material emplaced as mudflows on or near the flanks of a volcano.
No	147	lapilli	Lapilli	Non or slightly vesicular pyroclastics, 2.0 to 76 mm in at least one dimension, with an apparent specific gravity of 2.0 or more.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	148	ash flow (pyroclastic)	Ash flow	A highly heated mixture of volcanic gases and ash, traveling down the flank of a volcano or along the surface of the ground; produced by the explosive disintegration of viscous lava in a volcanic crater, or by the explosive emission of gas-charged ash from a fissure or group of fissures. The solid materials contained in a typical ash flow are generally unsorted and ordinarily include volcanic dust, pumice, scoria, and blocks in addition to ash.
No	152	till, subglacial	Subglacial till	Till deposited in or by the bottom parts of a glacier or ice sheet; types include lodgement till, subglacial flow till; synonym (not preferred; obsolete): basal till. SW & GM
No	153	complex landslide deposits	Complex landslide deposits	A category of mass movement processes, associated sediments (complex landslide deposit) or resultant landforms characterized by a composite of several mass movement processes none of which dominates or leaves a prevailing landform. Numerous types of complex landslides can be specified by naming the constituent processes evident (e.g. a complex earth spread - earth flow landslide). Compare - fall, topple, slide, lateral spread, flow, landslide. SW & DV
No	154	debris fall deposits	Debris fall deposits	The process, associated sediments (debris fall deposit) or resultant landform characterized by a rapid type of fall involving the relatively free, downslope movement or collapse of detached, unconsolidated material which falls freely through the air (lacks an underlying slip face); sediments have substantial proportions of both fine earth and coarse fragments; common along undercut stream banks. Compare - rock fall, soil fall, landslide. SW
No	155	debris spread deposits	Debris spread deposits	The process, associated sediments (debris spread deposit) or resultant landforms characterized by a very rapid type of spread dominated by lateral movement in a soil and rock mass resulting from liquefaction or plastic flow of underlying materials that may be extruded out between intact units; sediments have substantial proportions of both fine earth and coarse fragments. Compare - earth spread, rock spread, landslide. SW & DV
No	156	debris topple deposits	Debris topple deposits	The process, associated sediments (debris topple deposit) or resultant landform characterized by a localized, very rapid type of topple in which large blocks of soil and rock material literally fall over, rotating outward over a low pivot point; sediments have substantial proportions of both fine earth and coarse fragments. Portions of the original material may remain intact, although reoriented, within the resulting debris pile. Compare - earth topple, rock topple, landslide. SW
No	157	earth spread deposits	Earth spread deposits	The process, associated sediments (earth spread deposit) or resultant landforms characterized by a very rapid type of spread dominated by lateral movement in a soil mass resulting from liquefaction or plastic flow of underlying materials that may be extruded out between intact units. Compare - debris spread, rock spread, landslide. SW & DV

Obsolete?	ID	Data Entry Text	Label Text	Description
No	158	earth topple deposits	Earth topple deposits	The process, associated sediments (earth topple deposit) or resultant landform characterized by a localized, very rapid type of topple in which large blocks of soil material literally fall over, rotating outward over a low pivot point; sediments < 2 mm predominate. Portions of the original material may remain intact, although reoriented, within the resulting deposit. Compare - debris topple, rock topple, landslide. SW
No	159	fall deposits	Fall deposits	(a) A category of mass movement processes, associated sediments (fall deposit), or resultant landforms (e.g., rockfall, debris fall, soil fall) characterized by very rapid movement of a mass of rock or earth that travels mostly through the air by free fall, leaping, bounding, or rolling, with little or no interaction between one moving unit and another. Compare - topple, slide, lateral spread, flow, complex landslide, landslide. SW & DV; (b) The mass of material moved by a fall. GG
No	160	flow deposits	Flow deposits	A category of mass movement processes, associated sediments (flow deposit) and landforms characterized by slow to very rapid downslope movement of unconsolidated material which, whether saturated or comparatively dry, behaves much as a viscous fluid as it moves. Types of flows can be specified based on the dominant particle size of sediments [i.e. debris flow (e.g., lahar), earth flow (creep, mudflow), rock fragment flow (e.g., rockfall avalanche), debris avalanche]. Compare - fall, topple, slide, lateral spread, complex landslide, landslide. SW & DV
No	161	greensands	Greensands	a) An unconsolidated, near-shore marine sediment containing substantial amounts of dark greenish glauconite pellets, often mingled with clay or sand (quartz may form the dominant constituent); prominent in Cretaceous and Tertiary coastal plain strata of New Jersey, Delaware and Maryland; has been commercially mined for potassium fertilizer. The term is loosely applied to any glauconitic sediment. b) (Not Preferred - use glauconitic sandstone) A sandstone consisting of greensand that is commonly poorly cemented, and has a greenish color when unweathered but an orange or yellow color when weathered. Compare - glauconite pellets. SW
No	162	rock spread deposits	Rock spread deposits	The process, associated sediments (rock spread deposit) or resultant landforms characterized by a very rapid type of spread dominated by lateral movement in a rock mass resulting from liquefaction or plastic flow of underlying materials that may be extruded out between intact units; rock bodies predominate. Compare - debris spread, earth spread, landslide. SW & DV
No	163	rock topple deposits	Rock topple deposits	The process, associated sediments (rock topple deposit) or resultant landform characterized by a localized, very rapid type of fall in which large blocks of rock material literally fall over, rotating outward over a low pivot point; rock bodies predominate (little fine earth). Portions of the original material may remain intact, although reoriented, within the resulting deposit. Compare - earth topple, debris topple, landslide. SW

Obsolete?	ID	Data Entry Text	Label Text	Description
No	164	rotational debris slide deposits	Rotational debris slide deposits	The process, associated sediments (rotational debris slide deposit) or resultant landform characterized by an extremely slow to moderately rapid type of slide, composed of comparatively dry and largely unconsolidated earthy material, portions of which remain largely intact and in which movement occurs along a well-defined, concave shear surface and resulting in a backward rotation of the displaced mass; sediments have substantial proportions of both fine earth and coarse fragments. The landform may be single, successive (repeated up and down slope), or multiple (as the number of slide components increase). Compare - rotational earth slide, rotational rock slide, translational slide, lateral spread, landslide. SW & DV
No	165	rotational earth slide deposits	Rotational earth slide deposits	The process, associated sediments (rotational earth slide deposit) or resultant landform characterized by an extremely slow to moderately rapid type of slide, composed of comparatively dry and largely unconsolidated earthy material, portions of which remain largely intact and in which movement occurs along a well-defined, concave shear surface and resulting in a backward rotation of the displaced mass; sediments predominantly fine earth (< 2 mm). The landform may be single, successive (repeated up and down slope), or multiple (as the number of slide components increase). Compare - rotational debris slide, rotational rock slide, translational slide, lateral spread, landslide. SW & DV
No	166	rotational rock slide deposits	Rotational rock slide deposits	The process, associated sediments (rotational rock slide deposit) or resultant landform characterized by an extremely slow to moderately rapid type of slide, composed of comparatively dry and largely consolidated rock bodies, portions of which remain largely intact but reoriented, and in which movement occurs along a well-defined, concave shear surface and resulting in a backward rotation of the displaced mass. The landform may be single, successive (repeated up and down slope), or multiple (as the number of slide components increase). Compare - rotational debris slide, rotational earth slide, translational slide, lateral spread, landslide. SW & DV
No	167	sand flow deposits	Sand flow deposits	A flow of wet sand, as along banks of noncohesive clean sand that is subject to scour and to repeated fluctuations in pore-water pressure due to rise and fall of the tide. GG
No	168	slide deposits	Slide deposits	A category of mass movement processes, associated sediments (slide deposit) or resultant landforms (e.g., rotational slide, translational slide, and snowslide) characterized by a failure of earth, snow, or rock under shear stress along one or several surfaces that are either visible or may reasonably be inferred. The moving mass may or may not be greatly deformed, and movement may be rotational (rotational slide) or planar (translational slide). A slide can result from lateral erosion, lateral pressure, weight of overlying material, accumulation of moisture, earthquakes, expansion owing to freeze-thaw of water in cracks, regional tilting, undermining, fire, and human agencies. Compare -fall, topple, lateral spread, flow, complex landslide. SW & DV (b) The track of bare rock or furrowed earth left by a slide. (c) The mass of material moved in or deposited by a slide. Compare - fall, flow, complex landslide, landslide. SW & GG

Obsolete?	ID	Data Entry Text	Label Text	Description
No	169	slump block	Slump block	TheA mass of material torn away as a coherent unit during a landslide; a largely intact but displaced and commonly reoriented body of rock or soil. SW & GG
No	170	solifluction deposits	Solifluction deposits	A deposit of nonsorted, water-saturated, locally derived earthy material that is moving or has moved downslope, en masse, caused by the melting of seasonal frost or permafrost.
No	171	translational slide deposits	Translational slide deposits	A category of mass movement processes, associated sediments (translational slide deposit) or resultant landforms characterized by the extremely slow to moderately rapid downslope displacement of comparatively dry soil-rock material on a surface (slip face) that is roughly parallel to the general ground surface, in contrast to falls topples, and rotational slides. The term includes such diverse slide types as translational debris slides, translational earth slide, translational rock slide, block glides, and slab or flake slides. . Compare - rotational slide, slide, landslide. SW, DV, GG
No	172	translational debris slide deposits	Translational debris slide deposits	The process, associated sediments (translational debris slide deposit) or resultant landform characterized by an extremely slow to moderately rapid type of slide, composed of comparatively dry and largely unconsolidated earthy material, portions or blocks of which remain largely intact and in which movement occurs along a well-defined, planar slip face roughly parallel to the ground surface and resulting in lateral displacement but no rotation of the displaced mass; sediments have substantial proportions of both fine earth and coarse fragments. The landform may be single, successive (repeated up and down slope), or multiple (as the number of slide components increase). Compare - translational earth slide, translational rock slide, rotational slide lateral spread, landslide. SW & DV
No	173	translational earth slide deposits	Translational earth slide deposits	The process, associated sediments (translational earth slide deposit) or resultant landform characterized by an extremely slow to moderately rapid type of slide, composed of comparatively dry and largely unconsolidated earthy material, portions or blocks of which remain largely intact and in which movement occurs along a well-defined, planar slip face roughly parallel to the ground surface and resulting in lateral displacement but no rotation of the displaced mass; sediments predominantly fine earth (< 2 mm). The landform may be single, successive (repeated up and down slope), or multiple (as the number of slide components increase). Compare translational debris slide, translational rock slide, rotational slide, lateral spread, landslide. SW & DV

Obsolete?	ID	Data Entry Text	Label Text	Description
No	174	translational rock slide deposits	Translational rock slide deposits	The process, associated sediments (translational rock slide deposit) or resultant landform characterized by an extremely slow to moderately rapid type of slide, composed of comparatively dry and largely consolidated rock bodies, portions or blocks of which remain largely intact and in which movement occurs along a well-defined, planar slip face roughly parallel to the ground surface and resulting in lateral displacement but no rotation of the displaced mass; sediments predominantly fine earth (< 2 mm). The landform may be single, successive (repeated up and down slope), or multiple (as the number of slide components increase). Compare translational debris slide, translational earth slide, rotational slide, lateral spread, landslide. SW & DV
No	175	pyroclastic flow	Pyroclastic flow	A fast density current of pyroclastic material, usually very hot, composed of a mixture of gasses and a variety of pyroclastic particles (ash, pumice, scoria, lava fragments, etc.); produced by the explosive disintegration of viscous lava in a volcanic crater or by the explosive emission of gas-charged ash from a fissure and which tends to follow topographic lows (e.g. valleys) as it moves; used in a more general sense than ash flow. Compare - pyroclastic surge, ash flow, nue ardente, lahar. SW, SN, GG
No	176	pyroclastic surge	Pyroclastic surge	A low density, dilute, turbulent pyroclastic flow, usually very hot, composed of a generally unsorted mixture of gases, ash, pumice and dense rock fragments that travels across the ground at high speed and less constrained by topography than a pyroclastic flow; several types of pyroclastic surges can be specified (e.g. base surge, ash-cloud-surge). Compare - pyroclastic flow. SW, SN, GG
No	177	fluviomarine deposits	Fluviomarine deposits	Stratified materials (clay, silt, sand, or gravel) formed by both marine and fluvial processes, resulting from sea level fluctuations and stream migration (i.e. materials originally deposited in a nearshore environment and subsequently reworked by fluvial processes as sea level fell, or vice versa as sea level rose).
No	178	mine spoil, coal extraction	Coal extraction mine spoil	Randomly mixed, earthy materials artificially deposited as a result of either surficial or underground coal mining activities.
No	179	mine spoil, metal ore extraction	Metal ore extraction mine spoil	Randomly mixed, earthy materials artificially deposited as a result of either surficial or underground metal-ore mining activities.
No	180	dredge spoils	Dredge spoils	Unconsolidated, randomly mixed sediments extracted and deposited during dredging and dumping activities (e.g. adjoining the Intracoastal Waterway). Dredge spoils lie unconformably upon natural, undisturbed soil or regolith and can form anthropogenic landforms (e.g. dredge spoil bank).
No	181	lagoonal deposits	Lagoonal deposits	Sand, silt or clay-sized sediments transported and deposited by wind, currents, and storm washover in the relatively low-energy, brackish to saline, shallow waters of a lagoon. Compare - marine deposit.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	182	coastal marl	Coastal marl	An earthy, unconsolidated deposit of gray to buff-colored mud of low bulk density (dry) composed primarily of very fine, almost pure calcium carbonate formed in subaqueous settings that span freshwater lacustrine conditions (e.g. Florida Everglades) to saline intertidal settings (e.g. Florida Keys) formed by the chemical action of algal mats and organic detritus (periphyton); other marl varieties associated with different environments (e.g. freshwater marl, glauconitic marl) also occur. Coastal marl can be quite pure or it can be finely disseminated throughout living root mats (e.g. mangrove roots) and / or organic soil layers. Compare marl, freshwater marl.
No	183	freshwater marl	Freshwater marl	A soft, grayish to white, earthy or powdery, usually impure calcium carbonate precipitated on the bottoms of present-day freshwater lakes and ponds largely through the chemical action of algal mats and organic detritus, or forming deposits that underlie marshes, swamps, and bogs that occupy the sites of former (glacial) lakes. The calcium carbonate may range from 90% to less than 30%. Freshwater marl is usually gray; it has been used as a fertilizer for acid soils deficient in lime. Syn.: bog lime. Compare marl, coastal marl.
No	184	human-transported material	Human-transported material	Organic or mineral soil material (or any other material that can function as a soil material) that has been moved horizontally onto a pedon from a source area outside of that pedon by directed human activity, usually with the aid of machinery. There has been little or no subsequent reworking by wind, gravity, water, or ice. Human transported materials are most commonly associated with building sites, mining or dredging operations, land fills, or other similar activities that result in the formation of a constructional anthropogenic landform.
No	185	bauxite	Bauxite	An off-white to dark red brown weathered detritus or rock composed of aluminum oxides (mainly gibbsite with some boehmite and diaspore), iron hydroxides, silica, silt, and especially clay minerals. Bauxite originates in tropical and subtropical environments as highly weathered residue from carbonate or silicate rocks and can occur in concretionary, earthy, pisolitic or oolitic forms. SW & GG
No	186	gypsite	Gypsite	An earthy gypsum ( $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$ ) variety that contains various quantities (i.e. < 50%) of soil material, silicate clay minerals and sometimes other salts (e.g. NaCl); found only in arid or semi-arid regions as secondary precipitation concentrations or efflorescence associated with rock gypsum or gypsum-bearing strata. Compare rock gypsum, rock anhydrite. SW & GG
No	187	limonite	Limonite	A general 'field' term for various brown to yellowish brown, amorphous- to-cryptocrystalline hydrous ferric oxides that are an undetermined mixture of goethite, hematite, and lepidocrocite formed by weathering and iron oxidation from iron-bearing, rocks and minerals. SW & GG
Yes	1	sandstone	sandstone	No description available.
Yes	2	sandstone-noncalcareous	sandstone-noncalcareous	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	3	arkosic-sandstone	arkosic-sandstone	No description available.
Yes	4	sandstone-calcareous	sandstone-calcareous	No description available.
Yes	5	interbedded sedimentary	interbedded sedimentary	No description available.
Yes	6	limestone-sandstone-shale	limestone-sandstone-shale	No description available.
Yes	7	limestone-sandstone	limestone-sandstone	No description available.
Yes	8	limestone-shale	limestone-shale	No description available.
Yes	9	limestone-siltstone	limestone-siltstone	No description available.
Yes	10	sandstone-shale	sandstone-shale	No description available.
Yes	11	sandstone-siltstone	sandstone-siltstone	No description available.
Yes	12	shale-siltstone	shale-siltstone	No description available.
Yes	13	conglomerate	conglomerate	No description available.
Yes	14	conglomerate-noncalcareous	conglomerate-noncalcareous	No description available.
Yes	15	conglomerate-calcareous	conglomerate-calcareous	No description available.
Yes	25	shale	shale	No description available.
Yes	26	shale-noncalcareous	shale-noncalcareous	No description available.
Yes	27	shale-calcareous	shale-calcareous	No description available.
Yes	28	shale-clay	shale-clay	No description available.
Yes	29	igneous	igneous	No description available.
Yes	30	igneous-coarse (or intrusive)	igneous-coarse (or intrusive)	No description available.
Yes	31	igneous-basic (eg., gabbro)	igneous-basic (eg., gabbro)	No description available.
Yes	32	igneous-intermediate (eg., diorite)	igneous-intermediate (eg., diorite)	No description available.
Yes	33	igneous-granite	igneous-granite	No description available.



Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	34	igneous-fine (or extrusive)	igneous-fine (or extrusive)	No description available.
Yes	35	igneous-basalt	igneous-basalt	No description available.
Yes	36	igneous-andesite	igneous-andesite	No description available.
Yes	37	igneous-acid (eg., rhyolite)	igneous-acid (eg., rhyolite)	No description available.
Yes	38	igneous-ultrabasic	igneous-ultrabasic	No description available.
Yes	43	wood fragments	Wood fragments	No description available.
Yes	44	logs and stumps	logs and stumps	No description available.
Yes	45	charcoal	charcoal	No description available.
Yes	46	coal	coal	No description available.
Yes	47	limestone	limestone	No description available.
Yes	48	chalk	chalk	No description available.
Yes	49	marble	marble	No description available.
Yes	50	dolomite	dolomite	No description available.
Yes	51	limestone-phosphatic	limestone-phosphatic	No description available.
Yes	52	limestone-arenaceous	limestone-arenaceous	No description available.
Yes	53	limestone-argillaceous	limestone-argillaceous	No description available.
Yes	54	limestone-cherty	limestone-cherty	No description available.
Yes	55	metamorphic	metamorphic	No description available.
Yes	56	gneiss	gneiss	No description available.
Yes	57	gneiss-acidic	gneiss-acidic	No description available.
Yes	58	gneiss-basic	gneiss-basic	No description available.
Yes	59	serpentine	serpentine	No description available.
Yes	60	schist	schist	No description available.
Yes	61	schist-acidic	schist-acidic	No description available.
Yes	62	schist-basic	schist-basic	No description available.
Yes	63	slate	slate	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	64	quartzite	quartzite	No description available.
Yes	65	pyroclastic	pyroclastic	No description available.
Yes	66	tuff	tuff	No description available.
Yes	67	tuff-acidic	tuff-acidic	No description available.
Yes	68	tuff-basic	tuff-basic	No description available.
Yes	69	volcanic breccia	Volcanic breccia	No description available.
Yes	70	breccia-acidic	breccia-acidic	No description available.
Yes	71	tuff-breccia	tuff-breccia	No description available.
Yes	72	aa	aa	No description available.
Yes	73	pahoehoe	pahoehoe	No description available.
Yes	74	breccia-basic	breccia-basic	No description available.
Yes	75	sedimentary	sedimentary	No description available.
Yes	77	glauconite	glauconite	No description available.
Yes	78	siltstone	siltstone	No description available.
Yes	79	siltstone-noncalcareous	siltstone-noncalcareous	No description available.
Yes	80	siltstone-calcareous	siltstone-calcareous	No description available.
Yes	81	mixed	mixed	No description available.
Yes	82	mixed-noncalcareous	mixed-noncalcareous	No description available.
Yes	83	mixed-calcareous	mixed-calcareous	No description available.
Yes	84	mixed-igneous-metamorphic and sedimentary	mixed-igneous-metamorphic and sedimentary	No description available.
Yes	85	mixed-igneous and metamorphic	mixed-igneous and metamorphic	No description available.
Yes	86	mixed-igneous and sedimentary	mixed-igneous and sedimentary	No description available.
Yes	87	mixed-metamorphic and sedimentary	mixed-metamorphic and sedimentary	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	118	till, slump	Slump till	No description available.
Yes	149	solid rock	Solid rock	No description available.
Yes	150	unconsolidated sediments	Unconsolidated sediments	No description available.
Yes	151	solifluctate	Solifluctate	No description available.

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Domain Description: Describe the nature of the unconsolidated material (regolith) in which the soil is formed. If the soil is derived directly from the underlying bedrock (e.g., granite), identify the Parent Material as either grus, saprolite, or residuum and then record the appropriate Bedrock - Kind choice. Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012

## NASIS 7.4.2 Domains

Domain Name: parent\_material\_modifier

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	clayey	Clayey	The soil texture class is clay, sandy clay, or silty clay.
No	2	coarse-loamy	Coarse-loamy	The material contains less than 18 percent clay and 15 percent or more particles that are 0.1 to 75.0 mm in size. The soil texture class is loamy very fine sand, very fine sand, or finer.
No	3	coarse-silty	Coarse-silty	The material contains less than 18 percent clay and less than 15 percent particles that are 0.1 to 75.0 mm in size.
No	4	fine-loamy	Fine-loamy	The material contains 18 to 35 percent clay and 15 percent or more particles that are 0.1 to 75.0 mm in size.
No	5	fine-silty	Fine-silty	The material contains 18 to 35 percent clay and less than 15 percent particles that are 0.1 to 75.0 mm in size.
No	6	gravelly	Gravelly	The material contains 15 percent or more rock fragments.
No	7	loamy	Loamy	The soil texture class is sandy loam, sandy clay loam, clay loam, silt, silt loam, or silty clay loam.
No	8	sandy	Sandy	The soil texture class is sand or loamy sand.
No	9	sandy and gravelly	Sandy and gravelly	The soil texture class contains sand or loamy sand, and the material contains 15 percent or more rock fragments.
No	10	sandy and silty	Sandy and silty	The soil texture class is sand or loamy sand and silt or silt loam.
No	11	silty	Silty	The soil texture class is silt or silt loam.
No	12	silty and clayey	Silty and clayey	The soil texture class is silt or silt loam and clay, sandy clay, or silty clay.
No	13	sandy and loamy	Sandy and loamy	The soil texture class is sand or loamy sand and sandy loam, sandy clay loam, clay loam, silt, silt loam, or silty clay loam.
No	14	loamy and clayey	Loamy and clayey	The soil texture class is sandy loam, sandy clay loam, clay loam, silt, silt loam, or silty clay loam and clay, sandy clay, or silty clay.
No	15	sandy and clayey	Sandy and clayey	The soil texture class is sand or loamy sand and clay, sandy clay, or silty clay.
No	16	coarse textured	Coarse textured	The soil texture is sands (coarse sand, sand, fine sand, very fine sand);loamy sands(loamy coarse sand, loamy sand, loamy fine sand, loamy very fine sand). SSM table 3.1
No	17	moderately coarse textured	Moderately coarse textured	The soil texture is coarse sandy loam, sandy loam, fine sandy loam. From table 3.1 SSM
No	18	medium textured	Medium textured	The soil texture is very fine sandy loam, loam, silt loam, silt. From table 3.1 SSM

Obsolete?	ID	Data Entry Text	Label Text	Description
No	19	moderately fine textured	Moderately fine textured	The soil texture is clay loam, sandy clay loam, silty clay loam. From table 3.1 SSM
No	20	fine textured	Fine textured	The soil texture is sandy clay, silty clay, clay. From table 3.1 SSM

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Domain Description: Adjectives that describe the fine earth fraction present in the parent material.

## NASIS 7.4.2 Domains

Domain Name: parent\_material\_origin

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	sandstone, unspecified	Sandstone	Sedimentary rock containing dominantly sand-size clastic particles.
No	3	arkose	Arkose	No description available.
No	4	sandstone, calcareous	Calcareous sandstone	No description available.
No	5	interbedded sedimentary	Interbedded sedimentary rock	No description available.
No	6	limestone, sandstone and shale	Limestone, sandstone, and shale	No description available.
No	7	limestone and sandstone	Limestone and sandstone	No description available.
No	8	limestone and shale	Limestone and shale	No description available.
No	9	limestone and siltstone	Limestone and siltstone	No description available.
No	10	sandstone and shale	Sandstone and shale	No description available.
No	11	sandstone and siltstone	Sandstone and siltstone	No description available.
No	12	shale and siltstone	Shale and siltstone	No description available.
No	13	conglomerate, unspecified	Conglomerate	No description available.
No	15	conglomerate, calcareous	Calcareous conglomerate	A coarse-grained, clastic sedimentary rock composed of rounded to subangular rock fragments larger than 2 mm, commonly with a matrix of sand and finer material; cements include silica, calcium carbonate, and iron oxides. The consolidated equivalent of gravel.
No	22	pumice	Pumice	A light-colored, vesicular, glassy rock commonly having the composition of rhyolite. It commonly has a specific gravity of < 1.0 and is thereby sufficiently buoyant to float on water. Compare - scoria, tephra.
No	23	scoria	Scoria	Vesicular, cindery crust or bomb-sized fragments of such material on the surface of andesitic or basaltic lava, the vesicular nature of which is due to the escape of volcanic gases before solidification; it is usually heavier, darker, and more crystalline than pumice. Synonym - cinder. Compare - pumice, tephra.
No	25	shale, unspecified	Shale	Sedimentary rock formed by induration of a clay, silty clay, or silty clay loam deposit and having the tendency to split into thin layers, i.e., fissility.
No	27	shale, calcareous	Calcareous shale	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	28	shale, clayey	Clayey shale	No description available.
No	29	igneous, unspecified	Igneous rock	No description available.
No	33	granite	Granite	No description available.
No	35	basalt	Basalt	No description available.
No	36	andesite	Andesite	No description available.
No	39	limestone, unspecified	Limestone	A sedimentary rock consisting chiefly (more than 50 percent) of calcium carbonate, primarily in the form of calcite. Limestones are usually formed by a combination of organic and inorganic processes and include chemical and clastic (soluble and insoluble) constituents; many contain fossils.
No	40	chalk	Chalk	No description available.
No	41	marble	Marble	No description available.
No	42	dolomite (dolostone)	Dolomite	A carbonate sedimentary rock consisting chiefly (more than 50 percent by weight or by areal percentages under the microscope) of the mineral dolomite.
No	43	limestone, phosphatic	Phosphatic limestone	No description available.
No	44	limestone, arenaceous	Arenaceous limestone	No description available.
No	45	limestone, argillaceous	Argillaceous limestone	No description available.
No	46	limestone, cherty	Cherty limestone	No description available.
No	47	metamorphic, unspecified	Metamorphic rock	Rock of any origin altered in mineralogical composition, chemical composition, or structure by heat, pressure, and movement at depth in the earth's crust. Nearly all such rocks are crystalline. Examples: schist, gneiss, quartzite, slate, marble.
No	48	gneiss	Gneiss	No description available.
No	51	serpentine	Serpentine	No description available.
No	52	schist, unspecified	Schist	No description available.
No	55	slate	Slate	No description available.
No	56	quartzite	Quartzite	No description available.
No	57	pyroclastic (consolidated)	Pyroclastic rock	No description available.
No	58	tuff, unspecified	Tuff	A compacted deposit that is 50 percent or more volcanic ash and dust.
No	59	tuff, acidic	Acidic tuff	No description available.
No	60	tuff, basic	Basic tuff	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	61	volcanic breccia, unspecified	Volcanic breccia	No description available.
No	62	volcanic breccia, acidic	Acidic volcanic breccia	No description available.
No	63	volcanic breccia, basic	Basic volcanic breccia	No description available.
No	64	tuff breccia	Tuff breccia	No description available.
No	65	aa lava	Aa lava	A type of lava flow having a rough, jagged, clinkery surface. Compare - pahoehoe lava. GG & MA
No	66	pahoehoe lava	Pahoehoe lava	A type of basaltic lava flow having a smooth, billowy or rope-like surface. Compare - a'a lava.
No	67	sedimentary, unspecified	Sedimentary rock	A consolidated deposit of clastic particles, chemical precipitates, and organic remains accumulated at or near the surface of the earth under "normal" low temperature and pressure conditions. Sedimentary rocks include consolidated equivalents of alluvium, colluvium, drift, and eolian, lacustrine, marine deposits; e.g., sandstone, siltstone, mudstone, clay-stone, shale, conglomerate, limestone, dolomite, coal, etc. Compare - sediment.
No	70	siltstone, unspecified	Siltstone	Sedimentary rock containing dominantly silt-size clastic particles.
No	72	siltstone, calcareous	Calcareous siltstone	No description available.
No	76	igneous, metamorphic and sedimentary	Igneous, metamorphic and sedimentary rock	No description available.
No	77	igneous and metamorphic	Igneous and metamorphic rock	No description available.
No	78	igneous and sedimentary	Igneous and sedimentary rock	No description available.
No	79	metamorphic and sedimentary	Metamorphic and sedimentary rock	No description available.
No	80	diorite	Diorite	No description available.
No	81	gabbro	Gabbro	No description available.
No	82	obsidian	Obsidian	No description available.
No	83	rhyolite	Rhyolite	No description available.
No	84	hornfels	Hornfels	No description available.
No	85	metaconglomerate	Metaconglomerate	No description available.



Obsolete?	ID	Data Entry Text	Label Text	Description
No	86	phyllite	Phyllite	No description available.
No	87	coal	Coal	No description available.
No	88	graywacke	Graywacke	No description available.
No	89	gypsum, rock	Rock gypsum	A sedimentary rock (evaporite) composed primarily of mineral gypsum (CaSO <sub>4</sub> .2H <sub>2</sub> O). The rock is generally massive, ranges from coarse crystalline to fine granular, may show disturbed bedding due to hydration expansion of parent anhydrite (anhydrous CaSO <sub>4</sub> ), and may exhibit rhythmic sedimentation (rhymites). Compare - gypsite. GG
No	90	shale, acid	Acid shale	No description available.
No	91	porcellanite	Porcellanite	An indurated or baked clay or shale with a dull, light-colored, cherty appearance, often found in the roof or floor of a burned-out coal seam.
No	92	dacite	Dacite	No description available.
No	93	latite	Latite	No description available.
No	94	trachyte	Trachyte	No description available.
No	95	diabase	Diabase	No description available.
No	96	granodiorite	Granodiorite	No description available.
No	97	monzonite	Monzonite	No description available.
No	98	peridotite	Peridotite	No description available.
No	99	pyroxenite	Pyroxenite	No description available.
No	100	syenite	Syenite	No description available.
No	101	syenodiorite	Syenodiorite	No description available.
No	102	amphibolite	Amphibolite	No description available.
No	103	granofels	Granofels	No description available.
No	104	greenstone	Greenstone	No description available.
No	105	metaquartzite	Metaquartzite	No description available.
No	106	metavolcanics	Metavolcanics	No description available.
No	107	mylonite	Mylonite	No description available.
No	108	arenite	Arenite	No description available.
No	109	claystone	Claystone	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	110	mudstone	Mudstone	a) a blocky or massive, fine-grained sedimentary rock in which the proportions of clay and silt are approximately equal b) A general term that includes clay, silt, claystone, siltstone, shale, and argillite, and that should be used only when the amounts of clay and silt are not known or cannot be precisely identified.
No	111	chert	Chert	A hard, extremely dense or compact, dull to semivitreous, cryptocrystalline sedimentary rock, consisting dominantly of interlocking crystals of quartz less than about 30 mm in diameter; it may contain amorphous silica (opal). It sometimes contains impurities such as calcite, iron oxide, or the remains of silicious and other organisms. It has a tough, splintery to conchoidal fracture and may be white or variously colored gray, green, blue, pink, red, yellow, brown, and black. Chert occurs principally as nodular or concretionary segregations in limestones and dolomites.
No	112	travertine	Travertine	No description available.
No	113	tufa	Tufa	No description available.
No	114	ignimbrite	Ignimbrite	No description available.
No	115	breccia, non-volcanic	Non-volcanic breccia	No description available.
No	116	granulite	Granulite	No description available.
No	117	migmatite	Migmatite	No description available.
No	118	soapstone	Soapstone	No description available.
No	119	argillite	Argillite	No description available.
No	120	orthoquartzite	Orthoquartzite	No description available.
No	121	anorthosite	Anorthosite	No description available.
No	122	breccia, non-volcanic, acidic	Acidic Non-volcanic breccia	No description available.
No	123	breccia, non-volcanic, basic	Basic Non-volcanic breccia	No description available.
No	124	fanglomerate	Fanglomerate	No description available.
No	125	metasedimentary, unspecified	Metasedimentary rock	No description available.
No	126	schist, mica	Mica schist	No description available.
No	127	quartz-diorite	Quartz-diorite	No description available.
No	128	quartz-monzonite	Quartz-monzonite	No description available.
No	129	tachylite	Tachylite	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	130	tonalite	Tonalite	No description available.
No	131	ultramafic, unspecified	Ultramafic rock	No description available.
No	132	tuff, welded	Welded tuff	No description available.
No	133	sandstone, volcanic	Volcanic sandstone	No description available.
No	134	volcanic, unspecified	Volcanic rock	A generally fine-grained or glassy igneous rock resulting from volcanic action at or near the Earth's surface, either ejected explosively or extruded as lava. The term includes near-surface intrusions that form a part of the volcanic structure.
No	135	volcanic and sedimentary	Volcanic and sedimentary rock	No description available.
No	136	volcanic and metamorphic	Volcanic and metamorphic rock	No description available.
No	137	limestone and dolomite	Limestone and dolomite	No description available.
No	138	granite and gneiss	Granite and gneiss	No description available.
No	139	sandstone, glauconitic	Glauconitic sandstone	No description available.
No	143	gneiss, biotite	Biotite gneiss	No description available.
No	144	gneiss, granodioritic	Granodioritic gneiss	No description available.
No	145	gneiss, hornblende	Hornblende gneiss	No description available.
No	146	metasiltstone	Metasiltstone	No description available.
No	147	gneiss, migmatitic	Migmatitic gneiss	No description available.
No	148	gneiss, muscovite-biotite	Muscovite-biotite gneiss	No description available.
No	149	schist, graphitic	Graphitic schist	No description available.
No	150	slate, sulfidic	Sulfidic slate	No description available.
No	151	granitoid	Granitoid	a) In the IUGS classification, a preliminary term for (for field use) for a plutonic rock with Q (quartz) between 20 and 40 (%). b) A general term for all phaneritic igneous rocks (mineral crystals visible unaided and all about the same size) dominated by quartz and feldspars.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	152	bauxite	Bauxite	An off-white to dark red brown weathered detritus or rock composed of aluminum oxides (mainly gibbsite with some boehmite and diaspore), iron hydroxides, silica, silt, and especially clay minerals. Bauxite originates in tropical and subtropical environments as highly weathered residue from carbonate or silicate rocks and can occur in concretionary, earthy, pisolitic or oolitic forms. SW & GG
No	153	limestone, coral	Coral limestone	An informal term for massive limestone composed primarily of coral and coral fragments commonly associated with marine islands or coral reefs in tropical or subtropical waters. Compare - coral island. SW
No	154	anhydrite, rock	Rock anhydrite	A sedimentary rock (evaporite) composed chiefly of mineral anhydrite (anhydrous CaSO <sub>4</sub> ); The rock is generally massive, cryptocrystalline, and may exhibit rhythmic sedimentation (rhymites). Compare - rock gypsum, rock halite. SW
No	155	halite, rock	Rock halite	A sedimentary rock (evaporite) composed primarily of halite (NaCl). SW
No	156	limonite	Limonite	A general 'field' term for various brown to yellowish brown, amorphous- to- cryptocrystalline hydrous ferric oxides that are an undetermined mixture of goethite, hematite, and lepidocrocite formed by weathering and iron oxidation from iron-bearing, rocks and minerals. SW & GG
No	157	novaculite	Novaculite	A dense, extremely finely grained, even-textured, siliceous, sedimentary rock similar to chert. It is hard, white to grayish-black in color, translucent on thin edges, has a dull to waxy luster, and displays smooth conchoidal fracture when broken. Novaculite principally occurs in the Marathon Uplift of Texas and Ouachita Mountains of Arkansas and Oklahoma where it forms erosion resistant ridges. Novaculite appears to form from chert recrystallization with microcrystalline quartz dominant over cryptocrystalline chalcedony. At the Ouachita Mountains type occurrence, novaculite formed by low-grade, thermal metamorphism of bedded chert. Novaculite is commercially quarried as a whetstone or oilstone. Compare - chert. GG & SW
No	158	siltite	Siltite	A compact, weakly metamorphosed rock formed by alteration of siltstone, mudstone, or silty shale. Siltite is more indurated than mudstone or shale and lacks either shale fissility or slate-like cleavage. Siltite differs from argillite in that silt-size grains (0.002 to 0.062 mm) rather than clay-size (<0.002 mm) dominate the matrix. Siltite differs from siltstone, mudstone, or shale in that it exhibits very low to low grade metamorphic or diagenetic layer silicate and feldspar alteration to sericite, chlorite, and albite (subgreenschist to greenschist metamorphic facies) (Maxwell, 1973; Kidder, 1987).
No	159	schist, biotite	Biotite schist	A strongly foliated crystalline rock formed by dynamic metamorphism that has well-developed parallelism of more than 50 percent of the minerals present, primarily biotite.
No	160	schist, muscovite	Muscovite schist	A strongly foliated crystalline rock formed by dynamic metamorphism that has well-developed parallelism of more than 50 percent of the minerals present, primarily muscovite.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	161	schist, sericite	Sericite schist	A strongly foliated crystalline rock formed by dynamic metamorphism that has well-developed parallelism of more than 50 percent of the minerals present, primarily sericite. A fine-grained muscovite
No	162	diatomite	Diatomite	A light-colored, soft, siliceous sedimentary rock consisting chiefly of opaline diatom frustules deposited in a lacustrine or marine environment. Diatomite has a number of uses owing to its high surface area, absorptive capacity, and relative chemical stability but the term is generally reserved for deposits of actual or potential commercial value.
No	163	sandstone and claystone	Sandstone and Claystone	No description available.
No	164	limestone, sandstone, and mudstone	Limestone, sandstone, and mudstone	No description available.
Yes	2	sandstone, noncalcareous	Noncalcareous sandstone	No description available.
Yes	14	conglomerate, noncalcareous	Noncalcareous conglomerate	A coarse-grained, clastic sedimentary rock composed of rounded to subangular rock fragments larger than 2 mm, commonly with a matrix of sand and finer material; cements include silica, calcium carbonate, and iron oxides. The consolidated equivalent of gravel.
Yes	16	ejecta-ash	Ejecta-ash	Unconsolidated, pyroclastic material less than 2 mm in all dimensions. Commonly called "volcanic ash". Compare - block [volcanic], cinders, lapilli, tephra.
Yes	17	acidic-ash	Acidic-ash	No description available.
Yes	18	basic-ash	Basic-ash	No description available.
Yes	19	basaltic-ash	Basaltic-ash	No description available.
Yes	20	andesitic-ash	Andesitic-ash	No description available.
Yes	21	cinders	Cinders	Uncemented vitric, vesicular, pyroclastic material, more than 2.0 mm in at least one dimension, with an apparent specific gravity (including vesicles) of more than 1.0 and less than 2.0. Compare - ash [volcanic], block [volcanic], lapilli, tephra. KST
Yes	24	volcanic bombs	Volcanic bombs	No description available.
Yes	26	shale, noncalcareous	Noncalcareous shale	No description available.
Yes	30	igneous, coarse crystal	Coarse igneous crystal	No description available.
Yes	31	igneous, basic	Basic igneous rock	No description available.
Yes	32	igneous, intermediate	Intermediate igneous rock	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	34	igneous, fine crystal	Fine igneous crystal	No description available.
Yes	37	igneous, acid	Acid igneous rock	No description available.
Yes	38	igneous, ultrabasic	Ultrabasic igneous rock	No description available.
Yes	49	gneiss-acidic	Gneiss-acidic	No description available.
Yes	50	gneiss-basic	Gneiss-basic	No description available.
Yes	53	schist, acidic	Acidic schist	No description available.
Yes	54	schist, basic	Basic schist	No description available.
Yes	68	marl	Marl	An earthy, unconsolidated deposit consisting chiefly of calcium carbonate mixed with clay in approximately equal proportions (35 to 65 percent of each); formed primarily under freshwater lacustrine conditions, but varieties associated with more saline environments also occur.
Yes	69	glauconite	Glauconite	No description available.
Yes	71	siltstone, noncalcareous	Noncalcareous siltstone	No description available.
Yes	73	mixed	Mixed	No description available.
Yes	74	mixed-noncalcareous	Mixed-noncalcareous	No description available.
Yes	75	mixed-calcareous	Mixed-calcareous	No description available.
Yes	140	metamorphic, acidic	Acidic metamorphic rock	No description available.
Yes	141	schist and phyllite	Schist and phyllite	No description available.
Yes	142	metamorphic, basic	Basic metamorphic rock	No description available.

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Domain Description: Component Parent Material Origin to convey the source from which a Parent Material is derived, predominantly Bedrock - Kind.) Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012

## NASIS 7.4.2 Domains

Domain Name: pci\_concentration\_areas

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	1	1	Livestock concentration areas cover >10% of the pasture; or all convey contaminated runoff directly into water channels.
No	2	2	2	Livestock concentration areas and trails cover 5-10% of the pasture; most close to water channels and drain into them unbuffered.
No	3	3	3	Isolated livestock concentration areas and trails cover <5% of the area; one colose to water channel and drains into it unbuffered.
No	4	4	4	Some livestock trails and one or two small concentration areas. Buffere areas between them and water channels.
No	5	5	5	No presence of livestock concentration areas or heavey use areas sited or treated to minimize contaminated runoff.

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Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: pci\_desirable\_plants

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	1	1	Desirable species make up <20% of the stand. Annual weeds and/or woody species dominate.
No	2	2	2	Desirable species make up 20-40% of the stand. Mostly weedy annuals and/or woody species present and expanding. Shade is a factor.
No	3	3	3	Desirable species make up 40-60% of the stand. Undesirable broadleaf weeds and annual weedy grasses invading. Some woodies.
No	4	4	4	Desirable species make up 60-80% of the stand. Remainder mostly intermediates and a few undesirables present.
No	5	5	5	Desirable species exceed 80% of the stand. Scattered intermediates.

Domain Description: No description available.



## NASIS 7.4.2 Domains

Domain Name: pci\_ground\_cover\_residue

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	1	1	No identifiable residue present on soil surface. Or, heavy thatch evident (> 1 inch thick).
No	2	2	2	1-10% covered with dead leaves or stems. Or, thatch 0.5-1 inch thick.
No	3	3	3	10-20% covered with dead residue. Or, slight thatch buildup but <0.5 inch thick.
No	4	4	4	20-30% covered with dead residue. No thatch present.
No	5	5	5	30-70% covered with dead residue, but no thatch buildup.

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Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: pci\_gully\_erosion

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	1	1	Mass movement of soil, rock, plants, and other debris; occurrence of landslides, debris avalanches, slumps and earthflow, creep and debris torrents. Found in mountainous or very hilly terrain.
No	2	2	2	Gully(s) advancing upslope cutting long channel(s). Revegetation difficult without using constructed structures and livestock exclusion; continuous gully(s) with many finger-like extensions into the hillside.
No	3	3	3	Gully(s) present with scattered active erosion, vegetation missing at heavy use slopes and/or on bed below overfalls. New eroding channels present and new overfalls appearing along sides and bed of main channel.
No	4	4	4	Gully(s) present with scattered active erosion, vegetation missing at heavy use slopes and/or on bed below overfalls. New eroding channels present and new overfalls appearing along sides and bed of main channel.
No	5	5	5	No gullies present; natural drainageways are stable grassed channels. Spring or seep fed bare channels are small and stable, often covered with overhanging vegetation.

Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: pci\_legume\_pct\_class

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	1	1	<10% by weight. Or, greater than 60% of bloating legumes.
No	2	2	2	10-19% legumes. Or, losing grass, 40-60% spreading legumes.
No	3	3	3	20-29% legumes.
No	4	4	4	30-39% legumes.
No	5	5	5	40-60% legumes. No grass loss; grass may be increasing.

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Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: pci\_plant\_cover

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	1	1	Canopy <50%. Basal area <15%. Photosynthetic area very low. Very little plant cover to slow or stop runoff.
No	2	2	2	Canopy 50-75%. Basal area 15-25%. Photosynthetic area low. Vegetal retardance to runoff low.
No	3	3	3	Canopy 70-90%. Basal area 25-35%. Most forages grazed close, little leaf area to intercept sunlight. Moderate vegetal retardance.
No	4	4	4	Canopy 90-95%. Basal area 35-50%. Spot grazed low and high so some loss of photosynthetic potential. Vegetal retardance stil high.
No	5	5	5	Canopy 95-100%. Basal area >50%. Forages maintained in leafy condition for best photosynthetic activity. Very thick stand, slow or no runoff flows.

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Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: pci\_plant\_diversity

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	1	1	One dominant (>75% of DM wt.) forage species. Or, over 5 forage species (all <20%) from one dominant functional group, not evenly grazed - poorly distributed.
No	2	2	2	Two to five forage species from one dominant functional group (>75% of DM wt.). At least one avoided by livestock permitting presence of mature seed stalks. Species in patches.
No	3	3	3	Three forage species (each =>20% of DM wt.) from one functional group. None avoided. Or, one forage species from each of two functional groups, both supply 25-50% of DM weight.
No	4	4	4	Three or four forage species (each =>20% of DM wt.) with at least one being a legume. Well intermixed compatible growth habit, and comparable palatability.
No	5	5	5	Four or five forage species representing three functional groups (each =>20% of DM wt.) with at least one being a legume. Intermixed well, compatible growth habit, and comparable palatability.

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Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: pci\_plant\_vigor

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	1	1	No recovery after grazing or pale yellow or brown, or permanent wilting, or plant loss due to insects or disease, exercise lot only. Or, lodged, dark green overly lush forage. Often avoided by grazers.
No	2	2	2	Recovery after grazing takes 2 or more weeks longer than normal, or yellowish-green leaves, or major insect or disease yield loss, or plants wilted most of day. Productivity very low.
No	3	3	3	Recovery after grazing takes 1 week longer than normal, or urine/dung patches dark green in contrast to rest of plants, or minor insect or disease loss, or mid-day plant wilting. Yields regularly below site potential.
No	4	4	4	Recovery after grazing takes 1 to 2 days longer than normal, or light green plants among greener urine and dung patches, or minor insect or disease damage. No plant wilting. Yields near site potential.
No	5	5	5	Rapid recovery after grazing. Healthy green color. No signs of insect or disease damage. No leaf wilting. Yields at site potential for the species adapted to site's soil and climate.

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Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: pci\_sheet\_rill\_erosion

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	1	1	Sheet and rill erosion is active throughout the pasture; rills 3-8 inches deep at close intervals and/or grazing terracettes are closely spaced with some slope slippage.
No	2	2	2	Most sheet and rill erosion confined to steepest terrain of unit; well defined rills 0.5-3 inches deep at close intervals and/or grazing terracetes present.
No	3	3	3	Most sheet and rill erosion confined to heavy use areas, especially in loafing areas and water sites; rills 0.5-3 inches deep. Debris fans at downslope edge.
No	4	4	4	No current formation of rills; some evidence of past till formation, but are grassed over. Scattered debis dams of litter present occasionally.
No	5	5	5	No evidence of current or past formation of sheet flow or rills.

Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: pci\_soil\_compaction

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	1	1	Infiltration capacity and surface runoff severely affected by heavy compaction. Excessive livestock traffic killing plants over wide areas. Very hard to push probe into soil without damaging the probe.
No	2	2	2	Infiltration capacity lowered and surface runoff increased due to large areas of bare ground and dense compaction layer at the surface. Livestock trails common throughout. Off-trail hoof prints common. Hard to push probe past compacted layer.
No	3	3	3	Infiltration capacity lowered and surface runoff increased due to plant cover loss and soil compaction by livestock hooves. Soil resistant to soil probe entry at one or more depths within plow depth.
No	4	4	4	Infiltration capacity lowered and surface runoff increased due to reduce vegetal cover/retardance. Probe enters soil easily except at rocks. Scattered signs of livestock trails and hoof prints, confined to lanes or small, wet areas.
No	5	5	5	Infiltration capacity and surface runoff are equal to that expected for an ungrazed meadow; not affected by livestock traffic.

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Domain Description: No description available.



## NASIS 7.4.2 Domains

Domain Name: pci\_standing\_dead\_forage

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	1	1	>25% of air dry weight.
No	2	2	2	15-25% of air dry weight.
No	3	3	3	5-15% of air dry weight.
No	4	4	4	Some present, but <5% of air dry weight.
No	5	5	5	None available to grazing animal.

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Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: pci\_stream\_shore\_erosion

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	1	1	Streambanks mostly bare and sloughing. No native streambank or shoreline vegetation remaining.
No	2	2	2	Streambanks are heavily grazed and trampled all over. Many are actively eroding laterally. Little native streambank or shoreline vegetation. Bank sloughing common.
No	3	3	3	Streambanks are closely grazed, but few are unstable. Some native streamband or shoreline vegetation remaining. Livestock enter only at specific points, but heavily used. Remote alternative wate site present.
No	4	4	4	Streambanks are grazed but stable. Mix of pasture plants and native water's edge species. Muddy livestock stream crossing(s) or pond entrance(s) not used heavily. Alternative water sites present.
No	5	5	5	Streambanks ungrazed or grazed infrequently. Abundant streamband or shore loving vegetation. Gravelly or constructed stable livestock stream crossing(s) or watering ramp(s). Or, alternative water sources present and close-by.

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Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: pci\_use\_uniformity

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	1	1	Little-grazed patches cover over 50% of the pasture. Mosaic pattern throughout or identifiable areas of pasture avoided.
No	2	2	2	Little-grazed patches cover 25-50% of the pasture either in a mosaic pattern or obvious portion is not frequented.
No	3	3	3	Little-grazed patches cover 10-25% of the pasture either in a mosaic pattern or obvious portion is not frequented.
No	4	4	4	Little-grazed patches minor spots where isolated forage species is rejected. Urine and dung patches avoided.
No	5	5	5	Rejected areas only at urine and dung patches. No forage species rejection.

Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: pci\_wind\_erosion

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	1	1	Blowouts or dunes forming or present.
No	2	2	2	Soil swept from the established pasture being rated causing plant death by burial or abrasion.
No	3	3	3	Soil swept from adjacent fields or pasture during seedbed preparation and seedling growth to pasture plant death by burial or abrasion.
No	4	4	4	Some vegetative debris windrowed. Some dust deposition from offsite source. Minor wind damage to foliage.
No	5	5	5	No visible signs of windblown soil or trash. No wind related leaf damage.

Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: pedoderm\_class

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	bare mineral soil	Bare mineral soil	Pedoderm is characterized by bare mineral soil and no other class.
No	3	soil aggregates	Soil aggregates	Well-formed or distinct structural aggregates at the soil surface and no other pedoderm class (well aggregated, but not platy, stable soils).
No	4	rock mulch	Rock mulch	Rock mulch with stable soil; surface soil material trapped and protected by closely spaced and partially embedded rock fragments (mostly cobbles and larger) or intermingled with bedrock.
No	7	cemented pan	Cemented pan	Cemented pan exposed at surface.
No	8	salt crust	Salt crust	Salt crust of fine to extremely coarse evaporite crystals or visible whitening on the soil surface; may include biological components.
No	12	erosion pavement	Erosion pavement	A lag of rock fragments remaining after erosion and removal of finer soil material, forming a dense uniform pavement; individual fragments may be displaced during runoff events.
No	13	desert pavement	Desert pavement	Desert pavement; a concentration of closely packed and varnished rock fragments at the soil surface, embedded in a vesicular crust.
No	14	duff	Duff	Partially and fully decomposed plant and organic matter located above the A horizon (a patchy or continuous O horizon).
No	15	biological crust	Biological crust	Crust is typically composed of one or more functional/structural biological groups (cyanobacteria, algae, moss, lichen).
No	16	physical crust	Physical crust	Crust is usually platy or massive, with no substantial biological component.

---

Domain Description: The type of crust existing at the soil/air or soil/water interface. A pedoderm may or may not exist at the pedon location. A soil crust may be exist on the site and should be recorded in the site observation table, if it exists.

## NASIS 7.4.2 Domains

Domain Name: pedon\_cert\_status

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	certified	Certified	The pedon has been reviewed and can be used for correlation and analysis.
No	2	not certified	Not certified	The pedon has been reviewed and it has been determined that the pedon should not be used for analysis or correlation decisions.

---

Domain Description: Whether or not the pedon description is complete enough and represents the taxa associated with the named series and so can be used for official purposes.

## NASIS 7.4.2 Domains

Domain Name: pedon\_purpose

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	crop yield data site	Crop yield data site	Documentation gathered to associate agronomic data collection on a particular soil.
No	2	soil survey inventory	Soil survey inventory	Documentation gathered for general purposes of supporting the soil survey inventory.
No	5	research site	Research site	Site where research other than vegetation data is collected or repeated measurements are taken. Includes environmental monitoring site for precipitation, air/soil temperature or moisture, Snow Survey Snotel site.
No	7	ecological site data	Ecological site data	Documentation gathered to associate ecological data collection on a particular soil.
No	8	laboratory sampling site	Laboratory sampling site	Location where soil samples and description taken to be analyzed by laboratory; should have laboratory analysis results associated with point now or in near future.
No	9	technical soil services	Technical soil services	Documentation gathered to provide onsite technical soil services to customer.
No	10	wetland determination	Wetland determination	Documentation gathered to support an onsite wetland determination.
No	11	raster model development	Raster Model Development	Documentation or training data, gathered to build predictive models
No	12	raster model evaluation	Raster Model Evaluation	Documentation gathered to evaluate accuracy or uncertainty of predictive models
No	13	soil health sample pedon	Soil Health Sample Pedon	Documentation gathered to support a soil health project.
Yes	3	forestry data site	Forestry data site	No description available.
Yes	4	full pedon description	Full pedon description	No description available.
Yes	6	range data site	Range data site	No description available.

---

Domain Description: The general reason for describing a pedon at the site.

## NASIS 7.4.2 Domains

Domain Name: pedon\_text\_kind

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	pedon note, formatted	Pedon note, formatted	A formatted note written at the time of describing a site, pedon. or horizon. This note may be included into the pedon description report.
No	2	pedon note, unformatted	Pedon note, unformatted	A free-form note written at the time of describing a site, pedon. or horizon.
No	3	miscellaneous notes	Miscellaneous notes	No description available.
No	4	correlation notes	Correlation notes	No description available.
No	5	conversion problem	Conversion problem	Note related to a problem on converting data from PDP system to NASIS.
No	6	pedon conversion	Pedon conversion	No description available.
No	7	windows pedon import issue	Windows Pedon import issue	No description available.
No	8	quality assurance	Quality assurance	A text note related to Quality Assurance.
No	9	quality control	Quality control	A text note related to Quality Control.

---

Domain Description: The kind of text note used to record additional information about the pedon in the point data.



## NASIS 7.4.2 Domains

Domain Name: pedon\_type

Obsolete?	ID	Data Entry Text	Label Text	Description
No	2	TUD pedon	TUD pedon	Pedon described is not the Official Series Description (OSD) but is the typical pedon for the taxonomic unit description (TUD) in a published Soil Survey Area.
No	5	not classified to current taxon name	Not classified to current taxon name	Pedon description is not a taxadjunct, but does not classify or correlate to the current taxon name, or description is not complete enough to classify to a taxon at time of visit. "Unnamed" or any taxon name may be assigned until the pedon description is completed, classified, or corrected in the future.
No	6	classifies to current taxon name, full description	Classifies to current taxon name, full description	Pedon description classifies to current taxon name , and supports full population of aggregate component data.
No	7	OSD pedon	OSD pedon	Pedon described is the typical pedon for the Official Series Description (OSD).
No	8	taxadjunct to the series	Taxadjunct to the series	Pedon description does not classify the same as current taxon name for the Official Series Description (OSD), but uses the current taxon name for the OSD. May be suitable for supporting aggregate component data.
No	9	classifies to current taxon name, brief description	Classifies to current taxon name, brief description	Pedon description classifies to current taxon name, but description is too brief to fully populate aggregate component data.
No	10	miscellaneous area	Miscellaneous area	Miscellaneous areas are classified and described as non-soil, such as Beaches, Badland, Rock outcrop, and Urban land.
Yes	1	map unit inclusion	Map unit inclusion	Pedon described represents a minor component (inclusion) in the map unit.
Yes	3	within range of map unit	Within range of map unit	Pedon described is within the range in characteristics of the named taxonomic unit for the map unit.
Yes	4	representative pedon for component	Representative pedon for component	Pedon described is representative for the map unit component, but is not for the Official Series Description or Taxonomic Unit Description.

---

Domain Description: The type of pedon in relation to its status in the survey or project. I.e. TUD, OSD, can be classified, etc.

## NASIS 7.4.2 Domains

Domain Name: pending\_action

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	add	Add	No description available.
No	2	change	Change	No description available.
No	3	delete	Delete	No description available.

---

Domain Description: The reason for the change to the record in the metadata. Adding a new record, a change to an existing record, or the record should be deleted from the metadata. In reality, no record is ever tagged as 'delete' because if it shouldn't be in the metadata for that system is is removed ASAP to avoid confusion.

## NASIS 7.4.2 Domains

Domain Name: pending\_status

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	approved	Approved	No description available.
No	2	pending	Pending	No description available.
No	3	rejected	Rejected	No description available.

---

Domain Description: The state at which the record is in if it is a new or changed record. Or, if it is rejected. In reality, no record is ever tagged as rejected because if the record is rejected it is removed ASAP to avoid confusion. This record is made null whenever a system is deployed and a new working copy of the next version of the system is created.

## NASIS 7.4.2 Domains

Domain Name: penetration\_orientation

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	horizontal	Horizontal	Penetrometer blade inserted horizontally into soil specimen.
No	2	vertical	Vertical	Penetrometer blade inserted vertically into soil specimen.

---

Domain Description: The orientation of the penetrometer used to determine the Penetration Resistance Class.C171

## NASIS 7.4.2 Domains

Domain Name: penetration\_resistance

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	extremely high	Extremely high	=>8 MPa resistance.
No	2	extremely low	Extremely low	<0.01 MPa resistance.
No	3	high	High	2 to <4 MPa resistance.
No	4	low	Low	0.1 to <1.0 MPa resistance.
No	5	moderate	Moderate	1 to <2 MPa resistance.
No	6	very high	Very high	4 to <8 MPa resistance.
No	7	very low	Very low	0.01 to <0.1 MPa resistance.

---

Domain Description: The relative ability of soil in a confined (field) state to resist penetration by a rigid object of specified size. Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012

## NASIS 7.4.2 Domains

Domain Name: penetrometer\_spring\_type

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	lee	Lee	No description available.
No	2	original	Original	No description available.
No	3	jones 11	Jones 11	No description available.
No	4	jones 323	Jones 323	No description available.

---

Domain Description: Each spring type spans only a part of the range of penetration resistance possible in soils; various springs are needed to span all Penetration Resistance Classes. Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012

## NASIS 7.4.2 Domains

Domain Name: penetrometer\_tip\_type

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	rod	rod	Fat ended rod; 6.4 mm diameter.
No	2	foot	foot	25 mm diameter foot attached.

---

Domain Description: The geometry of the 'foot' of the penetrometer being used to determine the Penetration Resistance Classes.

## NASIS 7.4.2 Domains

Domain Name: permeability\_class

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	very slow	Very slow	0.01 to <0.42 um/sec, or 0.0015 to <0.06 in/hr
No	2	slow	Slow	0.42 to <1.41 um/sec, or 0.06 to <0.2 in/hr
No	3	moderately slow	Moderately slow	1.41 to <4.23 um/sec, or 0.2 to <0.6 in/hr
No	4	moderate	Moderate	4.23 to <14.1 um/sec, or 0.6 to <2 in/hr
No	5	moderately rapid	Moderately rapid	14.1 to <42.34 um/sec, or 2.0 to <6.0 in/hr
No	6	rapid	Rapid	42.34 to <141.14 um/sec, or 6.0 to <20 in/hr
No	7	very rapid	Very rapid	=>141.14 um/sec, or =>20 in/hr
No	8	impermeable	Impermeable	<0.01 um/sec or < 0.0015 in/hr

---

Domain Description: The qualitative sense describes a soil's capacity to transmit fluids, including water, or gases. No quantitative measure is implied. Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012



## NASIS 7.4.2 Domains

Domain Name: ph\_determination\_method

Obsolete?	ID	Data Entry Text	Label Text	Description
No	6	pH meter	pH meter	pH determined using a pH meter on field moist soil.
No	7	pH indicator strip	pH indicator strip	pH determined using pH indicator strips on field moist soils.
No	13	unspecified	Unspecified	No description available.
No	17	pH indicator solutions	pH indicator solutions	pH determined using pH indicator solutions.
Yes	1	bromthymol blue	Bromthymol blue	No description available.
Yes	2	cresol red	Cresol red	No description available.
Yes	3	bromcresol green	Bromcresol green	No description available.
Yes	4	lamotte-morgan	LaMotte-Morgan	No description available.
Yes	5	bromcresol purple	Bromcresol purple	No description available.
Yes	8	phenol red	Phenol red	No description available.
Yes	9	chlorophenol red	Chlorophenol red	No description available.
Yes	10	soil test	Soil test	No description available.
Yes	11	thymol-blue	Thymol-blue	No description available.
Yes	12	Hydrion	Hydrion	No description available.
Yes	14	hellige-truog	Hellige-Truog	No description available.
Yes	15	pH meter, saturated paste	pH meter, saturated paste	No description available.
Yes	16	pH meter 1:2 calcium chloride	pH meter 1:2 calcium chloride	No description available.

---

Domain Description: Method used to determine the reaction of the soil sample. Reference: Soil Survey Manual.

## NASIS 7.4.2 Domains

Domain Name: phorizon\_text\_kind

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	horizon note, formatted	Horizon note, formatted	A formatted note written at the time of describing a site, pedon. or horizon. This note may be included into the pedon description report.
No	2	horizon note, unformatted	Horizon note, unformatted	A free-form note written at the time of describing a site, pedon. or horizon.
No	3	miscellaneous notes	Miscellaneous notes	No description available.
No	4	correlation notes	Correlation notes	No description available.
No	5	conversion problem	Conversion problem	Note related to a problem on converting data from PDP system to NASIS.
No	6	windows pedon import issue	Windows Pedon import issue	No description available.

---

Domain Description: The kind of text note used to record additional information about the pedon horizon in the point data.

## NASIS 7.4.2 Domains

Domain Name: physical\_crust\_subtype

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	depositional crust	Depositional crust	Reversibly bonded crusts composed predominantly of primary or secondary mineral grains of sediment. They are generally rigid when moist or dry. Thickness is variable.
No	2	freeze-thaw crust	Freeze-thaw crust	Reversibly bonded crusts composed predominantly of primary or secondary mineral grains. They are formed by freeze-thaw cycles, and are generally rigid when moist or dry.
No	3	raindrop impact crust	Raindrop impact crust	Reversibly bonded crusts composed predominantly of primary or secondary mineral grains that are dispersed and puddled by the impact of raindrops on the soil surface. They are generally rigid when moist or dry.
No	4	vesicular crust	Vesicular crust	A layer at the soil surface consisting of many unconnected spherical or ovoid pores.
No	5	none evident	None evident	No description available.

---

Domain Description: The specific physical make up of a physical crust being described.

## NASIS 7.4.2 Domains

Domain Name: physical\_data\_type

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	Bigint	Big Integer	No description available.
No	2	Binary	Binary	No description available.
No	3	Bit	Bit	No description available.
No	4	Char	Character	No description available.
No	6	Datetime	Date/Time	No description available.
No	7	Decimal	Decimal	No description available.
No	8	Float	Float	No description available.
No	9	Image	Image	No description available.
No	10	Int	Integer	No description available.
No	11	Money	Money	No description available.
No	12	Nchar	Unicode Char	No description available.
No	13	Ntext	Unicode Text	No description available.
No	14	Numeric	Numeric	No description available.
No	15	Nvarchar	Unicode Varchar	No description available.
No	16	Real	Real	No description available.
No	17	Smalldatetime	Small Date/Time	No description available.
No	18	Smallint	Small Integer	No description available.
No	19	Smallmoney	Small Money	No description available.
No	20	SQL_Variant	SQL Variant	No description available.
No	22	Text	Text	No description available.
No	23	Timestamp	Timestamp	No description available.
No	24	Tinyint	Tiny Integer	No description available.
No	25	Uniqueidentifier	Unique Identifier	No description available.
No	26	Varbinary	Varbinary	No description available.
No	27	Varchar	Varchar	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	28	XML	XML	No description available.
No	29	Nvarchar(max)	Unicode Varchar(max)	No description available.
No	30	Varchar(max)	Varchar(max)	No description available.
No	31	Varbinary(max)	Varbinary(max)	No description available.
No	32	Geometry	Geometry	No description available.
No	33	datetime2	datetime2(precision)	<p>The existing physical data type of datetime has been deprecated in SQL Server and has been replaced with a new physical data type of datetime2(precision). Datetime2(3) has the same precision as the deprecated physical data type of datetime, example: 2017-01-01 10:11:12.123 Datetime2(?) format: YYYY-MM-DD hh:mm:ss[.nnnnnnnn] - where n = precision, so datetime2(3) = 2017-01-01 10:11:12.123, datetime2(7) = 2017-01-01 10:11:12.1234567 At somepoint all of the datetime data elements should be changed to use datetime2, with a precision of 3 or greater.</p>

---

Domain Description: A more detailed descriptor of the data type being used. Ex. The Character data type could be the general descriptor of 'string', varchar, etc.

## NASIS 7.4.2 Domains

Domain Name: plant\_density\_class

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	1 to 10	1 to 10	One to 10 plants per quadrat. Dependent on quadrat size recorded for the species being counted.
No	2	11 to 100	11 to 100	11 to 100 plants per quadrat. Dependent on quadrat size recorded for the species being counted.
No	3	101 to 500	101 to 500	101 to 500 plants per quadrat. Dependent on quadrat size recorded for the species being counted.
No	4	501 to 999	501 to 999	501 to 999 plants per quadrat. Dependent on quadrat size recorded for the species being counted.
No	5	> 999	> 999	More than 999 plants per quadrat. Dependent on quadrat size recorded for the species being counted.

---

Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: plant\_moisture\_state

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	fresh (green) weights	Fresh (green) weights	Moisture content of the plant material is as it was at the time of observation. No drying of the plant material has occurred prior to weighing.
No	2	air-dry weights	Air-dry weights	Plant material was air dried prior to weighing.
No	3	oven dry weights	Oven dry weights	Plant material was dried in an oven prior to weighing.
No	4	not specified	Not specified	No indication of moisture content was noted.

---

Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: plant\_nativity

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	introduced	Introduced	Species was introduced from another geographic region.
No	2	native	Native	Species is naturally found in the region or is naturalized.
No	3	unknown	Unknown	Not known whether species is considered native or introduced.

---

Domain Description: No description available.



## NASIS 7.4.2 Domains

Domain Name: plant\_residue\_adequacy

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	abundant	Abundant	No description available.
No	2	adequate	Adequate	No description available.
No	3	inadequate	Inadequate	No description available.

---

Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: plant\_type

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	forb	Forb	No description available.
No	2	grass/grasslike	Grass/Grasslike	No description available.
No	3	lichen	Lichen	No description available.
No	4	microbiotic crust	Microbiotic crust	No description available.
No	5	moss	Moss	No description available.
No	6	shrub/vine	Shrub/vine	No description available.
No	7	tree	Tree	No description available.

---

Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: plasticity

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	moderately plastic	Moderately plastic	A roll of soil 4cm long x 4mm diameter supports itself when held on end; a 2mm roll does not.
No	2	nonplastic	Nonplastic	A roll of soil 4cm long x 6mm diameter cannot support itself when held on end.
No	3	slightly plastic	Slightly plastic	A roll of soil 4cm long x 6mm diameter supports itself when held on end; a 4mm roll does not.
No	4	very plastic	Very plastic	A roll of soil 4cm long x 2mm diameter supports itself when held on end.

---

Domain Description: The degree to which "puddled" or reworked soil can be permanently deformed without rupturing. The evaluation is made by forming a roll (wire) of soil at a water content where the maximum plasticity is expressed. Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012

## NASIS 7.4.2 Domains

Domain Name: plot\_protocol

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	basal area	Basal area	Used to determine tree basal area. Reference: Husch et. al. 2002, Forest Mensuration, 4th ed., Chapter 8, Stand Parameters.
No	2	crop tree inventory	Crop tree inventory	Used to determine the composition, quality, condition (age, size, health, growth rate, height), and stocking (trees per acre, percent stocking, D+ spacing, or basal area) of a stand by inventorying the trees on a quality basis (Leave/Cut/Other). Data elements include species, DBH, quality rating, age.
No	3	windbreak	Windbreak	No description available.
No	4	fixed radius	Fixed radius	Used to determine tree diameter, range of diameters, stocking rate (trees per acre, percent stocking, D+ spacing, or basal area, stand composition, and stand condition (age, health, growth rate, and height) by measuring all or some of the trees within a fixed area plot. Data elements include species, distance between trees, age, growth rate, tree quality, and DBH. Reference: NFH 636.3
No	5	ocular estimate	Ocular estimate	No description available.
No	6	pasture condition score	Pasture condition score	Used on pastureland to determine how well a pasture is managed and management impacts on soil, water, and air quality. Reference: Guide to Pasture Condition Scoring; Pasture condition Score Sheet.
No	7	pasture stick	Pasture stick	No description available.
No	8	rangeland health	Rangeland health	Used to assess whether the integrity of ecological processes are balanced and sustained. Reference: Interpreting Indicators of Rangeland Health, Version 4.
No	9	releve method	Releve method	Used to determine canopy cover, vertical and horizontal structure. References: Barbour et.al 1987, Terrestrial Plant Ecology, Second Edition, Chapter 9; California Native Plant Society 2007, Relev protocol; Minnesota Department of Natural Resources 2007, A handbook for collecting vegetation plot data in Minnesota: The relev method.
No	10	site index	Site index	Used to determine site index. Reference: National Forestry Manual, Exhibit 537-1.
No	11	variable radius	Variable radius	Used to determine tree diameter, range of diameters, stocking rate (trees per acre, percent stocking, D+ spacing, or basal area, stand composition, and stand condition (age, health, growth rate, and height) by measuring all or some of the trees within a plot of a radius limit determine by tree size. Data elements include species, distance between trees, age, growth rate, tree quality, and DBH. Reference: NFH 636.3

Obsolete?	ID	Data Entry Text	Label Text	Description
No	12	zig zag	Zig zag	Used to determine tree diameter, range of diameters, stocking rate (trees per acre, percent stocking, D+ spacing, or basal area, stand composition, and stand condition (age, health, growth rate, and height) by taking individual tree measurements along a designed zig-zag transect. Data elements include species, distance between trees, age, growth rate, tree quality, and DBH. Reference: NFH 636.3
No	13	range trend	Range trend	Trend is a rating of the direction of change that may be occurring on a site by evaluating a site repeatedly and comparing to a baseline of information. Trend evaluates, plant health, vigor, composition, erosion, soil health, and utilization factors. NRPH 2006.
No	14	forest stand inventory	Forest stand inventory	Used to determine tree diameter, range of diameters, stocking rate (trees per acre, percent stocking, D+ spacing, or basal area, stand composition, and stand condition (age, health, growth rate, and height) by taking individual tree measurements. Data elements include species, distance between trees, tree condition, and DBH. Reference: NFH 636.3
No	15	weight estimate and ocular reconnaissance	Weight estimate and ocular reconnaissance	No description available.
No	16	total harvest	Total harvest	No description available.

---

Domain Description: The sampling protocol used when the sample site is a plot as opposed to a transect sampling protocol.

## NASIS 7.4.2 Domains

Domain Name: plss\_meridian

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	black hills	Black Hills	No description available.
No	2	boise	Boise	No description available.
No	3	chickasaw	Chickasaw	No description available.
No	4	choctaw	Choctaw	No description available.
No	5	cimarron	Cimarron	No description available.
No	6	connecticut western reserve	Connecticut Western Reserve	No description available.
No	7	copper river	Copper River	No description available.
No	8	fairbanks	Fairbanks	No description available.
No	9	fifth principal	Fifth Principal	No description available.
No	10	first principal	First Principal	No description available.
No	11	first scioto river	First Scioto River	No description available.
No	12	fourth principal	Fourth Principal	No description available.
No	13	fourth principal extended	Fourth Principal Extended	No description available.
No	14	gila and salt river	Gila and Salt River	No description available.
No	15	great miami river	Great Miami River	No description available.
No	16	humboldt	Humboldt	No description available.
No	17	huntsville	Huntsville	No description available.
No	18	indian	Indian	No description available.
No	19	kateel river	Kateel River	No description available.
No	20	louisiana	Louisiana	No description available.
No	21	michigan	Michigan	No description available.
No	22	mount diablo	Mount Diablo	No description available.
No	23	muskingum river	Muskingum River	No description available.
No	24	navajo	Navajo	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	25	new mexico principal	New Mexico Principal	No description available.
No	26	ohio company purchase	Ohio Company Purchase	No description available.
No	27	ohio river	Ohio River	No description available.
No	28	principal	Principal	No description available.
No	29	salt lake	Salt Lake	No description available.
No	30	san bernardino	San Bernardino	No description available.
No	31	second principal	Second Principal	No description available.
No	32	second scioto river	Second Scioto River	No description available.
No	33	seward	Seward	No description available.
No	34	sixth principal	Sixth Principal	No description available.
No	35	st. helena	St. Helena	No description available.
No	36	st. stephens	St. Stephens	No description available.
No	37	tallahassee	Tallahassee	No description available.
No	38	third principal	Third Principal	No description available.
No	39	third scioto river	Third Scioto River	No description available.
No	40	twelve-mile square	Twelve-Mile Square	No description available.
No	41	u.s. military	U.S. Military	No description available.
No	42	uintah	Uintah	No description available.
No	43	umiat	Umiat	No description available.
No	44	ute	Ute	No description available.
No	45	washington	Washington	No description available.
No	46	west of the great miami	West of the Great Miami	No description available.
No	47	willamette	Willamette	No description available.
No	48	wind river	Wind River	No description available.

---

Domain Description: The prime meridian for a state or states public land survey.

## NASIS 7.4.2 Domains

Domain Name: ponding\_duration\_class

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	very brief	Very brief (4 to 48 hours)	4 hours to 48 hours
No	2	brief	Brief (2 to 7 days)	2 days to 7 days
No	3	long	Long (7 to 30 days)	7 days to 30 days
No	4	very long	Very long (more than 30 days)	More than 30 days

---

Domain Description: General class of the average duration, or length of time, of the ponding occurrence. Reference: Part 618 National Soil Survey Handbook. General estimate of how long, typically, ponding lasts. Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012



## NASIS 7.4.2 Domains

Domain Name: ponding\_frequency\_class

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	none	None	No reasonable possibility of ponding, near 0 percent chance on ponding in any year.
No	2	rare	Rare	Ponding unlikely but possible under unusual weather conditions; from nearly 0 to 5 percent chance of ponding in any year, or nearly 0 to 5 times in 100 years.
No	3	occasional	Occasional	Ponding is expected infrequently under usual weather conditions; 5 to 50 percent chance of ponding in any year, or 5 to 50 times in 100 years.
No	4	frequent	Frequent	Ponding is likely to occur under usual weather conditions; more than 50 percent chance in any year, or more than 50 times in 100 years.
Yes	5	common	Common	No description available.

---

Domain Description: The number of times ponding occurs over a period of time. Reference: Part 618 National Soil Survey Handbook. Estimate of how often, typically, ponding occurs. Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012

## NASIS 7.4.2 Domains

Domain Name: pore\_continuity\_vertical

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	high	High	=>10 cm vertical distance.
No	2	low	Low	<1 cm vertical distance
No	3	moderate	Moderate	1 to <10 cm vertical distance.

---

Domain Description: The average vertical distance, as a class, through which the minimum pore diameter exceeds 0.5 mm. Soil must be moist or wetter. Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012

## NASIS 7.4.2 Domains

Domain Name: pore\_quantity\_class

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	few	Few (less than 1)	Less than 1 per unit area.
No	2	common	Common (1 to 4)	1 to 4 per unit area.
No	3	many	Many (5 or more)	5 or more per unit area.

---

Domain Description: The quantity, as a class, of the number of pores for each size class in a horizontal plane. (NOTE: Typically, this is done across a vertical plane, such as a pit face.) Record the average quantity from three to five representative unit areas. Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012

## NASIS 7.4.2 Domains

Domain Name: pore\_root\_size

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	fine	Fine	1 to <2 mm in diameter.
No	5	medium	Medium	2 to <5 mm in diameter.
No	7	coarse	Coarse	5 to <10 mm in diameter.
No	8	very coarse	Very coarse	=>10 mm in diameter.
No	9	very fine	Very fine	<1 mm in diameter.
Yes	2	very fine and fine	Very fine and fine	<2 mm in diameter
Yes	3	fine and medium	Fine and medium	1 to <5 mm in diameter
Yes	4	fine to coarse	Fine to coarse	1 to <10 mm in diameter
Yes	6	medium and coarse	Medium and coarse	2 to <10 mm in diameter
Yes	10	very fine to medium	Very fine to medium	<5 mm in diameter
Yes	11	very fine to coarse	Very fine to coarse	<10 mm in diameter
Yes	12	micro	Micro	No description available.
Yes	13	micro and fine	Micro and fine	No description available.
Yes	14	micro to medium	Micro to medium	No description available.

---

Domain Description: Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012

## NASIS 7.4.2 Domains

Domain Name: pore\_shape

Obsolete?	ID	Data Entry Text	Label Text	Description
No	3	interstitial	Interstitial	Primary packing voids between soil particles (e.g. voids between sand grains and rock fragments).
No	7	dendritic tubular	Dendritic tubular	Cylindrical, elongated, branching voids (e.g. empty root channels).
No	9	tubular	Tubular	Cylindrical, elongated voids (e.g. worm tunnels).
No	10	vesicular	Vesicular	Ovoid to spherical shaped voids (e.g. solidified gaseous bubbles concentrated just below a crust).
No	12	irregular	Irregular	Non-connected cavities or chambers of various shapes (e.g. vughs).
Yes	1	filled with coarse material	Filled with coarse material	No description available.
Yes	2	void between rock fragments	Void between rock fragments	No description available.
Yes	4	interstitial and tubular	Interstitial and tubular	No description available.
Yes	5	continuous tubular	Continuous tubular	No description available.
Yes	6	discontinuous tubular	Discontinuous tubular	No description available.
Yes	8	constricted tubular	Constricted tubular	No description available.
Yes	11	vesicular and tubular	Vesicular and tubular	No description available.
Yes	13	total porosity	Total porosity	No description available.

---

Domain Description: The dominant form (or type) of pores discernible with a 10X hand lens and by the unaided eye. Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012

## NASIS 7.4.2 Domains

Domain Name: potential\_frost\_action

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	none	None	No description available.
No	2	low	Low	No description available.
No	3	moderate	Moderate	No description available.
No	4	high	High	No description available.

---

Domain Description: Rating of the susceptibility of the soil to upward or lateral movement by the formation of segregated ice lenses. It rates the potential for frost heave and the subsequent loss of soil strength when the ground thaws. Part 618 National Soil Survey Handbook. This pertains to the likelihood of upward or lateral movement of soil by formation of ice lenses and the subsequent loss of soil strength upon thawing. Large scale collapse to form pits is excluded and considered under mass movement. Soil temperature, particle size, and the pattern of water states are used to make predictions. Reference: Soil Survey Manual.

## NASIS 7.4.2 Domains

Domain Name: product\_type

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	traditional bound manuscript	Traditional Bound Manuscript	No description available.
No	2	three-ring bound manuscript	Three-ring Bound Manuscript	No description available.
No	3	web publication	Web Publication	Manuscript and maps assembled in PDF format and posted on the Soil Data Mart.
No	4	interim report	Interim Report	No description available.
No	5	soil survey report on cd-rom	Soil Survey Report on CD-ROM	No description available.
No	6	soil attribute/spatial on cd-rom	Soil Attribute/Spatial on CD-ROM	No description available.

---

Domain Description: The publication condition in which soil survey information is disseminated.

## NASIS 7.4.2 Domains

Domain Name: project\_text\_kind

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	project plan	Project Plan	Text entry that includes text of the full project plan.
No	2	edit notes	Edit notes	Text entries that describe what changes were made to the data mapunit object, exclusive of the component object, and why those changes were made.
No	3	miscellaneous notes	Miscellaneous notes	Text entries not related to any of the other choices.

---

Domain Description: The kind of text note used to record additional information about the project.



## NASIS 7.4.2 Domains

Domain Name: **property\_data\_type**

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	character	Character	No description available.
No	2	numeric	Numeric	No description available.

---

Domain Description: The general data type of the property used in the calculation of an interpretation. Either numeric or character.

## NASIS 7.4.2 Domains

Domain Name: property\_modality

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	representative value	Representative Value	No description available.
No	2	high, low	High, Low	No description available.
No	3	high, low, representative value	High, Low, Representative Value	No description available.

---

Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: pvsf\_distinctness

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	distinct	Distinct	Visible without magnification; significant contrast between materials.
No	2	faint	Faint	Visible with magnification only (10X hand lens); little contrast between materials.
No	3	prominent	Prominent	Markedly visible without magnification; sharp contrast between materials.
Yes	4	thin	Thin	No description available.
Yes	5	faint thin	Faint thin	No description available.
Yes	6	distinct thin	Distinct thin	No description available.
Yes	7	prominent thin	Prominent thin	No description available.
Yes	8	thick	Thick	No description available.
Yes	9	distinct thick	Distinct thick	No description available.
Yes	10	prominent thick	Prominent thick	No description available.
Yes	11	very thick	Very thick	No description available.
Yes	12	prominent very thick	Prominent very thick	No description available.

---

Domain Description: The relative extent to which a ped surface feature visually stands out from adjacent material. Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012

## NASIS 7.4.2 Domains

Domain Name: pvsf\_kind

Obsolete?	ID	Data Entry Text	Label Text	Description
No	3	silica coats	Silica coats	No description available.
No	4	clay bridges	Clay bridges	No description available.
No	5	gibbsite coats	Gibbsite coats	No description available.
No	7	slickensides (pedogenic)	Slickensides (pedogenic)	Shrink-swell shear features (e.g. grooves, striations, glossy surfaces) on pedo-structure faces; (e.g. wedges, bowls).
No	8	carbonate coats	Carbonate coats	No description available.
No	10	organic stains	Organic stains	No description available.
No	11	pressure faces	Pressure faces	No description available.
No	13	silt coats	Silt coats	No description available.
No	14	skeletans	Skeletans	No description available.
No	15	clay films	Clay films	No description available.
No	18	sand coats	Sand coats	No description available.
No	19	organoargillans	Organoargillans	No description available.
No	20	slickensides (geogenic)	Slickensides (geogenic)	Vertical/oblique, roughly planar shear face resulting from external stress (e.g. faults, mass movement blocks); (e.g. grooves, striations).
No	21	gypsum coats	Gypsum coats	No description available.
No	22	crack fills (shrink swell related)	Crack fills (shrink swell related)	When these soils display cracking to the surface and experience heavy rainfall events, surface and near-surface soil is often transported deeper in the soil profile. Once cracks close upon wetting (swelling) they often display multiple matrix colors. The previously cracked areas in each horizon will contain darker transported surface or near-surface material. (Richard Reid)
Yes	1	skeletans over cutans	Skeletans over cutans	No description available.
Yes	2	black stains	Black stains	No description available.
Yes	6	iron stains	Iron stains	No description available.
Yes	9	manganese or iron-manganese stains	Manganese or iron-manganese stains	No description available.
Yes	12	nonintersecting slickensides	Nonintersecting slickensides	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	16	coats	Coats	No description available.
Yes	17	oxide coats	Oxide coats	No description available.

---

Domain Description: Descriptor of the type of features on the surface of ped voids or vertical surfaces. Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012

## NASIS 7.4.2 Domains

Domain Name: pvsf\_location

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	between sand grains	Between sand grains	No description available.
No	2	on tops of soil columns	On tops of soil columns	No description available.
No	3	on surfaces along pores	On surfaces along pores	No description available.
No	5	on surfaces along root channels	On surfaces along root channels	No description available.
No	6	on bottom faces of peds	On bottom faces of peds	No description available.
No	8	on nodules	On nodules	No description available.
No	9	on concretions	On concretions	No description available.
No	11	on rock fragments	On rock fragments	No description available.
No	14	on top faces of peds	On top faces of peds	No description available.
No	15	on vertical faces of peds	On vertical faces of peds	No description available.
No	16	on all faces of peds	On all faces of peds	No description available.
No	17	on tops of rock fragments	On top surfaces of rock fragments	No description available.
No	18	on bottom of rock fragments	On bottom surfaces of rock fragments	No description available.
No	23	on slickensides	On slickensides	No description available.
No	24	on bedrock	On bedrock	No description available.
No	25	in cracks	In cracks	No description available.
Yes	4	on horizontal faces of peds	On horizontal faces of peds	No description available.
Yes	7	on bottoms of plates	On bottoms of plates	No description available.
Yes	10	on faces of peds	On faces of peds	No description available.
Yes	12	on sand and gravel	On sand and gravel	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	13	throughout	Throughout	No description available.
Yes	19	on faces of peds and in pores	On faces of peds and in pores	No description available.
Yes	20	in root channels and/or pores	In root channels and/or pores	No description available.
Yes	21	on lower surfaces of peds or rocks	On lower surfaces of peds or rocks	No description available.
Yes	22	on upper surfaces of peds or rocks	On upper surfaces of peds or rocks	No description available.

---

Domain Description: Specify where ped or void surface features occur within a horizon. Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012

## NASIS 7.4.2 Domains

Domain Name: qc\_qa\_status

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	level 1	Level 1	Site, Horizon, and lab data reviewed.
No	2	level 2	Level 2	Site and Horizon data reviewed. Lab data is present but not reviewed.
No	3	level 3	Level 3	Site and Horizon data reviewed. Lab data not present.
No	4	not reviewed	Not reviewed	Data has not been reviewed.

---

Domain Description: The level at which the pedon data has been reviewed. Ranging from Not Reviewed to Site, Horizon, and Lab data have been reviewed.



## NASIS 7.4.2 Domains

Domain Name: quadrat\_shape

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	circular	Circular	No description available.
No	2	square	Square	No description available.
No	3	rectangular	Rectangular	No description available.

---

Domain Description: The physical shape of the quadrat used when collecting vegetation data from a sampling site.

## NASIS 7.4.2 Domains

Domain Name: range\_trend

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	towards	Towards	Trending towards the desired plant community.
No	2	away	Away	Trending away from the desired plant community.
No	3	not apparent	Not apparent	Trend is not apparent.

---

Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: rangeland\_use\_history

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	none or slightly grazed	None or slightly grazed	No description available.
No	2	properly grazed	Properly grazed	No description available.
No	3	overgrazed	Overgrazed	No description available.
No	4	harvested for hay	Harvested for hay	No description available.
No	5	unknown	Unknown	No description available.

---

Domain Description: History of how the rangeland was used, in general terms.

## NASIS 7.4.2 Domains

Domain Name: reaction\_to\_alpha\_dipyridyl

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	positive	Positive reaction	Soil specimen shows positive reaction—indicating that soil reducing conditions were present at the time of test.
No	2	negative	Negative reaction	Soil specimen shows negative reaction—indicating that soil reducing conditions were not present at the time of test.

---

Domain Description: A positive or negative response to the chemical indicating whether or not the soil experience reducing conditions.

## NASIS 7.4.2 Domains

Domain Name: redox\_feat\_kind

Obsolete?	ID	Data Entry Text	Label Text	Description
No	4	manganese coatings	Manganese coatings	No description available.
No	14	plinthite nodules	Plinthite nodules	No description available.
No	15	masses of oxidized iron	Masses of oxidized iron (Fe+3) accumulation	No description available.
No	17	ironstone nodules	Ironstone nodules	No description available.
No	20	masses of reduced iron	Masses of reduced iron (Fe+2) accumulation	No description available.
No	21	reduced matrix	Reduced matrix	No description available.
No	22	ferriargillans	Ferriargillans	No description available.
No	27	iron-manganese masses	Masses of iron-manganese accumulation	No description available.
No	28	iron-manganese concretions	Iron-manganese concretions	No description available.
No	37	clay depletions	Clay depletions	No description available.
No	38	iron depletions	Iron depletions	No description available.
No	39	iron-manganese nodules	Iron-manganese nodules	No description available.
No	42	manganese masses	Masses of manganese accumulation	No description available.
No	44	jarosite masses	Masses of jarosite	No description available.
No	45	jarosite nodules	Jarosite nodules	No description available.
Yes	1	clay bodies	Clay bodies	No description available.
Yes	9	masses of dark accumulation	Masses of dark accumulation	No description available.
Yes	10	dark concretions	Dark concretions	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	11	dark nodules	Dark nodules	No description available.
Yes	12	gibbsite concretions	Gibbsite concretions	No description available.
Yes	13	gibbsite nodules	Gibbsite nodules	No description available.
Yes	16	iron concretions	Iron concretions	No description available.
Yes	26	nonmagnetic shot	Nonmagnetic shot	No description available.
Yes	29	magnetic shot	Magnetic shot	No description available.
Yes	40	manganese concretions	Manganese concretions	No description available.
Yes	41	manganese nodules	Manganese nodules	No description available.
Yes	43	oxide masses	Masses of oxide accumulation	No description available.

---

Domain Description: A term or phrase describing the type of redoximorphic feature found. Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012

## NASIS 7.4.2 Domains

Domain Name: reference\_yield\_rank

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	1	1	Reference quadrat 1 is located in a low-yielding area which represents the low-yielding situations commonly encountered on the site (avoid bare or nearly bare quadrats).
No	2	2	2	Reference quadrat 2 is located in an area which represents the midpoint between Reference 1 and Reference 3.
No	3	3	3	Reference quadrat 3 is located in an area which represents the midpoint between Reference 1 and Reference 5.
No	4	4	4	Reference quadrat 4 is located in an area which represents the midpoint between Reference 3 and Reference 5.
No	5	5	5	Reference quadrat 5 is located in a high-yielding area which represents the high-yielding situations commonly encountered on the site, excluding unusually dense patches of vegetation which would have a rare chance of being sampled.

---

Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: report\_format

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	html	html	No description available.
No	2	txt	txt	No description available.
No	3	xml	xml	No description available.

---

Domain Description: The format in which a NASIS report is delivered to the user. HTML, Text, or XML.



## NASIS 7.4.2 Domains

Domain Name: reproduction\_abundance\_class

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	none	None	No reproduction occurring.
No	2	light	Light	An occasional sprout or seedling. More than 20 feet apart.
No	3	medium	Medium	Sprouts or seedlings 6 to 20 feet apart.
No	4	heavy	Heavy	Sprouts or seedlings 5 feet or less apart.

---

Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: reproduction\_source

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	coppice	Coppice	Regeneration by sprouting from roots or suckers of a previous tree that was cut or otherwise removed.
No	2	direct seeded	Direct seeded	Regeneration is the result of seeds being placed in the soil by human hands or mechanical means.
No	3	planted	Planted	Regeneration by planting of seedlings or saplings.
No	4	naturally seeded	Naturally seeded	Regeneration is the result of seeds being produced by nearby plants and seeds falling in place, or moved by wind or animals.

---

Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: resource\_retention\_class

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	class 1	Class 1	Interconnected persistent plant cover or dense bunchgrasses and surrounding round interpatch areas <30cm.
No	2	class 2	Class 2	Persistent plants interconnected and surrounding round/oval interpatch areas >30 cm.
No	3	class 3	Class 3	Persistent plant patches fragmented by elongated interpatch areas that are bounded in the plot.
No	4	class 4	Class 4	Persistent plant patches fragmented by elongated interpatch areas that cross through the plot.
No	5	class 5	Class 5	Interpatch areas interconnected and crossing the plot in several directions; isolated persistent plant patches.
No	6	class 6	Class 6	Interpatch areas interconnected; scattered or no persistent plants.

Domain Description: Resource retention is a measure of patch structure that relates to the potential for erosion and resource redistribution as controlled by vegetation. It also provides a description of the grass fragmentation pattern. The classes can be applied to vegetation fragmentation in plant communities dominated by shrubs and trees, but plot size and bare ground sizes may need to be adjusted. Reference: Soil Change Guide: Procedures for Soil Survey and Resource Inventory v 1.1

## NASIS 7.4.2 Domains

Domain Name: restriction\_kind

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	abrupt textural change	Abrupt textural change	This term is NOT the same as the identically named soil characteristic defined in Soil Taxonomy. It is characterized by an increase of 20 percent or more clay content (absolute) within a vertical distance of 7.5 cm or less. The increase in clay content can occur anywhere in the soil profile. It is root restrictive.
No	2	petrocalcic	Petrocalcic	No description available.
No	3	densic material	Densic material	Material underlying a densic contact as defined in Soil Taxonomy. The material is virtually continuous within the limits of a pedon. Cracks that can be penetrated by roots are 10 cm or more apart. The material is relatively unaltered and has a noncemented rupture resistance class. Commonly, the material is earthy material such as till, volcanic mudflows, and mechanically compacted materials, but noncemented rocks can be densic materials if they are dense or resistance enough to keep roots from entering, except in cracks.
No	4	duripan	Duripan	No description available.
No	5	petroferric	Petroferric	No description available.
No	6	fragipan	Fragipan	No description available.
No	7	petrogypsic	Petrogypsic	No description available.
No	8	permafrost	Permafrost	No description available.
No	9	plinthite	Plinthite	No description available.
No	10	bedrock, lithic	Lithic bedrock	Material underlying a Lithic Contact as defined in Soil Taxonomy. The material is virtually continuous within the limits of a pedon. Cracks that can be penetrated by roots are 10 cm or more apart. When moist, hand digging with a spade is impractical although the material may be chipped or scratched. Rupture resistance class is at least strongly cemented. Commonly, the material is indurated.
No	11	natric	Natric	No description available.
No	12	ortstein	Ortstein	No description available.
No	13	bedrock, paralithic	Paralithic bedrock	Material underlying a Paralithic Contact as defined in Soil Taxonomy. The material is virtually continuous within the limits of a pedon. Cracks that can be penetrated by roots are 10 cm or more apart. Rupture resistance is extremely weakly cemented to moderately cemented. Commonly, the material is partially weathered bedrock or weakly consolidated bedrock such as sandstone, siltstone or shale.
No	14	placic	Placic	No description available.
No	15	salic	Salic	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	16	strongly contrasting textural stratification	Strongly contrasting textural stratification	1) The same as "strongly contrasting particle-size classes" described in the Keys to Soil Taxonomy except that the thickness requirement of 12.5 cm or more for each of the contrasting particle-size classes is waived. The term is applied to the entire soil profile not just the particle-size control section. In the context of how it is to be used for identifying a kind of restriction, it is root restrictive. 2) Stratified soil textures that differ significantly enough as to restrict the movement of water and air through the soil, or that provide an unfavorable root environment. It is in all cases root restrictive.
No	17	sulfuric	Sulfuric	No description available.
No	19	bedrock, densic	Densic bedrock	This is composed of non-cemented material that is commonly or locally referred to as "bedrock". It meets the criteria of "densic materials" as defined in Soil Taxonomy.
No	20	cemented horizon	Cemented horizon	Cemented earthy material that does not meet the criteria for any other specifically defined types. This material does not slake in water.
No	21	manufactured layer	Manufactured layer	An artificial, root-limiting layer beneath the soil surface consisting of nearly continuous, human-manufactured materials whose purpose is to form an impervious barrier. The materials used to make the layer impervious include geotextile liners, asphalt, concrete, rubber, and plastic.
Yes	18	undefined	Undefined	No description available.

---

Domain Description: Identify any root-limiting/restrictive layers within the soil profile. Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012

## NASIS 7.4.2 Domains

Domain Name: rhi\_annual\_production

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	none to slight	None to slight	Exceeds 80% of potential production.
No	2	slight to moderate	Slight to moderate	60 to 80% of potential production
No	3	moderate	Moderate	40 to 60% of potential production.
No	4	moderate to extreme	Moderate to extreme	20 to 40% of potential production.
No	5	extreme to total	Extreme to total	Less than 20% of potential production.

---

Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: rhi\_bare\_ground

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	none to slight	None to slight	Amount and size of bare areas nearly totally match that expected for the site.
No	2	slight to moderate	Slight to moderate	Slightly to moderately higher than expected for the site. Bare areas are small and rarely connected.
No	3	moderate	Moderate	Moderately higher than expected for the site. Bare areas are of moderate size and sporadically connected.
No	4	moderate to extreme	Moderate to extreme	Moderately to much higher than expected for the site. Bare areas are large and occasionally connected.
No	5	extreme to total	Extreme to total	Much higher than expected for the site. Bare areas are large and generally connected.

---

Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: rhi\_compaction\_layer

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	none to slight	None to slight	None to minimal; not restrictive to water movement and root penetration.
No	2	slight to moderate	Slight to moderate	Rarely present or is thin and weakly restrictive to water movement and root penetration.
No	3	moderate	Moderate	Moderately wide-spread; moderately restricts water movement and root penetration.
No	4	moderate to extreme	Moderate to extreme	Widespread; greatly restricts water movement and root penetration.
No	5	extreme to total	Extreme to total	Extensive; severely restricts water movement and root penetration.

---

Domain Description: No description available.



## NASIS 7.4.2 Domains

Domain Name: rhi\_erosion\_resistance

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	none to slight	None to slight	Matches that expected for the site. Surface soil is stabilized by organic matter decomposition products and/or a biological crust.
No	2	slight to moderate	Slight to moderate	Some reduction in soil surface stability in plant interspaces or slight reduction throughout the site. Stabilizing agents reduced below expected.
No	3	moderate	Moderate	Significantly reduced in at least half of the plant canopy interspaces, or moderately reduced throughout the site.
No	4	moderate to extreme	Moderate to extreme	Significantly reduced in most plant canopy interspaces and moderately reduced beneath plant canopies. Stabilizing agents present only in isolated patches.
No	5	extreme to total	Extreme to total	Extremely reduced throughout the site. Biological stabilization agents including organic matter and biological crusts virtually absent.

---

Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: rhi\_functional\_struct\_groups

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	none to slight	None to slight	F/S groups and number of species in each group closely match that expected for the site.
No	2	slight to moderate	Slight to moderate	Number of F/S groups slightly reduced; and/or relative dominance of F/S groups has been modified from that expected for the site; and/or number of species within F/S groups slightly reduced.
No	3	moderate	Moderate	Number of F/S groups moderately reduced; and/or one or more sub-dominant F/S groups replaced by F/S groups not expected for the site; and/or number of species within F/S groups moderately reduced.
No	4	moderate to extreme	Moderate to extreme	Number of F/S groups reduced; and/or one dominant group and/or one or more sub-dominant groups replaced by F/S groups not expected for the site; and/or number of species within F/S groups significantly reduced.
No	5	extreme to total	Extreme to total	Number of F/S groups greatly reduced; and/or relative dominance of F/S groups has been dramatically altered; and/or number of species within F/S groups dramatically reduced.

---

Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: rhi\_gullies

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	none to slight	None to slight	Drainages are represented as natural stable channels; no signs of erosion with vegetation common.
No	2	slight to moderate	Slight to moderate	Uncommon with vegetation stabilizing the bed and slopes; no signs of active headcuts, nickpoints, or bed erosion.
No	3	moderate	Moderate	Moderate in number with indications of active erosion; vegetation is intermittent on slopes and/or bed. Occasional headcuts may be present.
No	4	moderate to extreme	Moderate to extreme	Moderate to common with indications of active erosion; vegetation is intermittent on slopes and/or bed. Headcuts are active; down-cutting is not apparent.
No	5	extreme to total	Extreme to total	Common with indications of active erosion and down-cutting; vegetation is infrequent on slopes and/or bed. Nickpoints and headcuts are numerous and active.

---

Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: rhi\_infiltration\_runoff

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	none to slight	None to slight	Infiltration and run-off are equal to that expected for the site. Plant cover (distribution and amount) adequate for site protection.
No	2	slight to moderate	Slight to moderate	Infiltration is slightly to moderately affected by minor changes in plant community composition and/or distribution. Plant cover changes have only a minor effect on infiltration.
No	3	moderate	Moderate	Infiltration is moderately reduced due to adverse changes in plant community composition and/or distribution. Plant cover changes negatively affect infiltration.
No	4	moderate to extreme	Moderate to extreme	Infiltration is greatly decreased due to adverse changes in plant community composition and/or distribution. Detrimental plant cover changes have occurred.
No	5	extreme to total	Extreme to total	Infiltration is severely decreased due to adverse changes in plant community composition and/or distribution. Adverse plant cover changes have occurred.

---

Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: rhi\_invasive\_plants

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	none to slight	None to slight	Rarely present on the site.
No	2	slight to moderate	Slight to moderate	Present primarily on disturbed areas pf the site.
No	3	moderate	Moderate	Scattered through-out the site.
No	4	moderate to extreme	Moderate to extreme	Common through-out the site.
No	5	extreme to total	Extreme to total	Dominate the site.

---

Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: rhi\_litter\_amount

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	none to slight	None to slight	Amount is what is expected for the site potential and weather.
No	2	slight to moderate	Slight to moderate	Slightly more or less relative to site potential and weather.
No	3	moderate	Moderate	Moderately more or less relative to site potential and weather.
No	4	moderate to extreme	Moderate to extreme	Greatly reduced or increased relative to site potential and weather.
No	5	extreme to total	Extreme to total	Largely absent or dominant relative to site potential and weather.

---

Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: rhi\_litter\_movement

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	none to slight	None to slight	Matches that expected for the site with a fairly uniform distribution of litter.
No	2	slight to moderate	Slight to moderate	Slightly to moderately more than expected for the site with only small size classes of litter being displaced.
No	3	moderate	Moderate	Moderate to small size classes of litter have been displaced. Moderate movement of smaller size classes in scattered concentrations around obstructions and in depressions.
No	4	moderate to extreme	Moderate to extreme	Moderate to extreme; loosely concentrated near obstructions.
No	5	extreme to total	Extreme to total	Extreme; concentrated around obstructions. Most size classes of litter have been displaced.

---

Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: rhi\_pedestals\_terracettes

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	none to slight	None to slight	Current or past evidence of pedestalled plants or rocks as expected for the site. Terracettes absent or uncommon.
No	2	slight to moderate	Slight to moderate	Active pedestalling or terracette formation is rare; some evidence of past pedestal formation, especially in water-flow patterns and/or on exposed slopes.
No	3	moderate	Moderate	Slight active pedestalling; most pedestals are in flow paths and interspaces and/or on exposed slopes. Occasional terracettes present.
No	4	moderate to extreme	Moderate to extreme	Moderate active pedestalling; terra-cettes common. Some rocks and plants are pedestalled with occasional exposed roots.
No	5	extreme to total	Extreme to total	Abundant active pedestalling and numerous terracettes. Many rocks and plants are pedestalled; exposed plant roots are common.

---

Domain Description: No description available.



## NASIS 7.4.2 Domains

Domain Name: rhi\_plant\_mortality

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	none to slight	None to slight	Plant mortality and decadence matches that expected for the site.
No	2	slight to moderate	Slight to moderate	Slight plant mortality and/or decadence.
No	3	moderate	Moderate	Some dead and/or decadent plants are present.
No	4	moderate to extreme	Moderate to extreme	Dead and/or decadent plants are somewhat common.
No	5	extreme to total	Extreme to total	Dead and/or decadent plants are common.

---

Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: rhi\_reproductive\_capability

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	none to slight	None to slight	Capability to produce seed or vegetative tillers is not limited relative to recent climatic conditions.
No	2	slight to moderate	Slight to moderate	Capability to produce seed or vegetative tillers is only slightly limited relative to recent climatic conditions.
No	3	moderate	Moderate	Capability to produce seed or vegetative tillers is somewhat limited relative to recent climatic conditions.
No	4	moderate to extreme	Moderate to extreme	Capability to produce seed or vegetative tillers is greatly reduced relative to recent climatic conditions.
No	5	extreme to total	Extreme to total	Capability to produce seed or vegetative tillers is severely reduced relative to recent climatic conditions.

---

Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: rhi\_rills

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	none to slight	None to slight	Current or past formation or rills as expected for the site.
No	2	slight to moderate	Slight to moderate	No recent formation of rills; old rills have blunted or muted features.
No	3	moderate	Moderate	Active rill formation is slight at infrequent intervals, mostly in exposed areas.
No	4	moderate to extreme	Moderate to extreme	Rill formation is moderately active and well defined throughout most of the area.
No	5	extreme to total	Extreme to total	Rill formation is severe and well defined throughout most of the area.

---

Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: rhi\_soil\_surf\_degradation

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	none to slight	None to slight	Soil surface horizon intact. Soil structure and organic matter content match that expected for the site.
No	2	slight to moderate	Slight to moderate	Some soil loss has occurred and/or soil structure shows signs of degradation, especially in plant interspaces.
No	3	moderate	Moderate	Moderate soil loss or degradation in plant interspaces with some degradation beneath plant canopies. Soil structure is degraded and soil organic matter content is significantly reduced.
No	4	moderate to extreme	Moderate to extreme	Soil loss or degradation severe throughout site. Minimal differences in soil organic matter content and structure of surface and subsurface layers.
No	5	extreme to total	Extreme to total	Soil surface horizon absent. Soil structure near surface is similar to or more degraded than that in subsurface horizons. No distinguishable difference in subsurface organic matter content.

---

Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: rhi\_summary

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	none to slight	None to slight	No description available.
No	2	slight to moderate	Slight to moderate	No description available.
No	3	moderate	Moderate	No description available.
No	4	moderate to extreme	Moderate to extreme	No description available.
No	5	extreme to total	Extreme to total	No description available.

---

Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: rhi\_water\_flow\_patterns

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	none to slight	None to slight	Matches what is expected for the site; minimal evidence of past or current soil deposition or erosion.
No	2	slight to moderate	Slight to moderate	Matches what is expected for the site; some evidence of minor erosion. Flow patterns are stable and short.
No	3	moderate	Moderate	Nearly matches what is expected for the site; erosion is minor with some instability and deposition.
No	4	moderate to extreme	Moderate to extreme	More numerous than expected; deposition and cut areas common; occasionally connected.
No	5	extreme to total	Extreme to total	Extensive and numerous; unstable with active erosion; usually connected.

---

Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: rhi\_wind\_scour\_areas

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	none to slight	None to slight	Matches what is expected for the site.
No	2	slight to moderate	Slight to moderate	Infrequent and few.
No	3	moderate	Moderate	Occasionally present.
No	4	moderate to extreme	Moderate to extreme	Commonly present
No	5	extreme to total	Extreme to total	Extensive

---

Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: ring\_configuraton

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	single ring	Single ring	No description available.
No	2	double ring	Double ring	No description available.

---

Domain Description: The ring setup used in some soil water/moisture measuring methods. Either a single ring or a double ring.



## NASIS 7.4.2 Domains

Domain Name: root\_quantity\_class

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	few	Few (less than 1)	Less than 1 per unit area.
No	2	common	Common (1 to 4)	1 to 4 per unit area.
No	3	many	Many (5 or more)	5 or more per unit area.
No	4	very few	Very few (less than 0.2)	Less than 0.2 per unit area.
No	5	moderately few	Moderately few (0.2 to less than 1)	Equal to or more than 0.2 to less than 1.0 per unit area.

---

Domain Description: The number of roots, as a class, per unit area. Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012

## NASIS 7.4.2 Domains

Domain Name: roots\_location

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	in cracks	In cracks	No description available.
No	2	top of horizon	In mat at top of horizon	No description available.
No	3	between peds	Between peds	No description available.
No	4	around fragments	Matted around rock fragments	No description available.
No	5	throughout	Throughout	No description available.

---

Domain Description: Identify where roots occur. Note: Describing a root mat at the top of a horizon rather than at the bottom or within the horizon flags the horizon that restricts root growth. Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012

## NASIS 7.4.2 Domains

Domain Name: rosgen\_stream\_subclass

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	A1a+	A1a+	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	2	A2a+	A2a+	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	3	A3a+	A3a+	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	4	A4a+	A4a+	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	5	A5a+	A5a+	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	6	A6a+	A6a+	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	7	A1	A1	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	8	A2	A2	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	9	A3	A3	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	10	A4	A4	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	11	A5	A5	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	12	A6	A6	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	13	B1	B1	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	14	B1a	B1a	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	15	B1c	B1c	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	16	B2	B2	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	17	B2a	B2a	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	18	B2c	B2c	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	19	B3	B3	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	20	B3a	B3a	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	21	B3c	B3c	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	22	B4	B4	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	23	B4a	B4a	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	24	B4c	B4c	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	25	B5	B5	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	26	B5a	B5a	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	27	B5c	B5c	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	28	B6	B6	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	29	B6a	B6a	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	30	B6c	B6c	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	31	C1	C1	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	32	C2	C2	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	33	C3	C3	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	34	C4	C4	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	35	C5	C5	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	36	C6	C6	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	37	C1b	C1b	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	38	C2b	C2b	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	39	C3b	C3b	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	40	C4b	C4b	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	41	C5b	C5b	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	42	C6b	C6b	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	43	C1c-	C1c-	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	44	C2c-	C2c-	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	45	C3c-	C3c-	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	46	C4c-	C4c-	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	47	C5c-	C5c-	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	48	C6c-	C6c-	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	49	D3	D3	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	50	D4	D4	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	51	D5	D5	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	52	D6	D6	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	53	D3b	D3b	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	54	D4c-	D4c-	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	55	D5c-	D5c-	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	56	D6c-	D6c-	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	57	DA4	DA4	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	58	DA5	DA5	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	59	DA6	DA6	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	60	E3	E3	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	61	E4	E4	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	62	E5	E5	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	63	E6	E6	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	64	E3b	E3b	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	65	E4b	E4b	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	66	E5b	E5b	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	67	E6b	E6b	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	68	F1	F1	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	69	F2	F2	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	70	F3	F3	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	71	F4	F4	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	72	F5	F5	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	73	F6	F6	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	74	F1b	F1b	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	75	F2b	F2b	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	76	F3b	F3b	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	77	F4b	F4b	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	78	F5b	F5b	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	79	F6b	F6b	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	80	G1	G1	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	81	G2	G2	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	82	G3	G3	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	83	G4	G4	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	84	G5	G5	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	85	G6	G6	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	86	G1c	G1c	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	87	G2c	G2c	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	88	G3c	G3c	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	89	G4c	G4c	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	90	G5c	G5c	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.
No	91	G6c	G6c	Refer to NRCS National Engineering Manual Part 654 Technical Supplement 3E.

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Domain Description: The subclasses of the Rosgen Stream Classification Classes. Taken from the NRCS National Engineering Handbook, Part 654 of Aug 2007.

## NASIS 7.4.2 Domains

Domain Name: rosgen\_stream\_type

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	A	A	Steep, entrenched, cascading, step-pool streams. High energy/debris transport associated with depositional soils. Very stable if bedrock or boulder-dominated channel.
No	2	B	B	Moderately entrenched, moderate gradient, riffle dominated channel with infrequently spaced pools. Very stable plan and profile. Stable banks.
No	3	C	C	Low gradient, meandering, point bar, riffle/pool, alluvial channels with broad, well-defined flood plains.
No	4	D	D	Braided channel with longitudinal and transverse bars. Very wide channel with eroding banks.
No	5	DA	DA	Anastomizing (multiple channels) narrow and deep with extensive, well-vegetated flood plains and associated wetlands. Very gentle relief with highly variable sinuosities and width-to-depth ratios. Very stable streambanks.
No	6	E	E	Low gradient, meandering riffle/pool stream with low width-to-depth ratio and little deposition. Very efficient and stable. High meander width ratio.
No	7	F	F	Entrenched meandering riffle/pool channel on low gradients with high width-to-depth ratio.
No	8	G	G	Entrenched gully step-pool and low width-to-depth ratio on moderate gradients.
No	9	Aa+	Aa+	Very steep, deeply entrenched, debris transport, torrent streams.

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Domain Description: Rosgen Stream Classification System's Classes. Information taken from the NRCS National Engineering Handbook, Part 654 Aug 2007.

## NASIS 7.4.2 Domains

Domain Name: rule\_design

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	limitation	limitation	The rule is designed in a manner such that the higher the fuzzy value, the more limited the soil is for the stated use. The fuzzy values, of child-rules, closest to 1 represent the most limiting features and will be sorted in descending order.
No	2	suitability	suitability	The rule is designed in a manner such that the higher the fuzzy value, the better suited the soil is for the stated use. The fuzzy values, of child-rules, closest to 0 represent the most limiting features and will be sorted in ascending order.
No	3	class	class	The rule is designed to result in the soil being interpreted as a member of a discrete class. Reportable features are those with fuzzy values closest to 1. The fuzzy values of child-rules will be sorted in descending order.

---

Domain Description: No description available.



## NASIS 7.4.2 Domains

Domain Name: runoff

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	high	High	No description available.
No	2	low	Low	No description available.
No	3	medium	Medium	No description available.
No	4	negligible	Negligible	No description available.
No	5	very high	Very high	No description available.
No	6	very low	Very low	No description available.
Yes	7	ponded	Ponded	No description available.

---

Domain Description: Surface runoff refers to the loss of water from an area by flow over the land surface. Reference: Soil Survey Manual.

## NASIS 7.4.2 Domains

Domain Name: rupture\_resist\_block\_cem

Obsolete?	ID	Data Entry Text	Label Text	Description
No	2	indurated	Indurated	Stress applied is greater than or equal 3 joules. (SSM)
No	15	noncoherent	noncoherent	Stress applied ranges from 0 to 8 newtons. (SSM)
No	16	extremely weakly coherent	Extremely weakly coherent	Stress applied ranges from 8 to 20 newtons. (SSM)
No	17	very weakly coherent	Very weakly coherent	Stress applied ranges from 20 to 40 newtons. (SSM)
No	18	weakly coherent	Weakly coherent	Stress applied ranges from 40 to 80 newtons. (SSM)
No	20	moderately coherent	Moderately coherent	Stress applied ranges from 80 to 160 newtons. (SSM)
No	21	strongly coherent	Strongly coherent	Stress applied ranges from 160 to 800 newtons. (SSM)
No	24	very strongly coherent	Very strongly coherent	Stress applied ranges from 800 newtons to 3 joules. (SSM)
Yes	1	noncemented	Noncemented	Stress applied ranges from 0 to 8 newtons. (SSM)
Yes	3	moderately cemented	Moderately cemented*	Stress applied ranges from 80 to 800 newtons. (SSM)
Yes	4	strongly cemented	Strongly cemented*	Stress applied ranges from 800 newtons to 3 joules. (SSM)
Yes	5	weakly cemented	Weakly cemented*	Stress applied ranges from 8 to 80 newtons. (SSM)
Yes	6	extremely weakly	Extremely weakly cemented	Stress applied ranges from 8 to 20 newtons. (SSM)
Yes	7	very weakly	Very weakly cemented	Stress applied ranges from 20 to 40 newtons. (SSM)
Yes	8	very strongly	Very strongly cemented	Stress applied ranges from 800 newtons to 3 joules. (SSM)
Yes	9	weakly	Weakly cemented	Stress applied ranges from 40 to 80 newtons. (SSM)
Yes	10	moderately	Moderately cemented	Stress applied ranges from 80 to 160 newtons. (SSM)
Yes	11	strongly	Strongly cemented	Stress applied ranges from 160 to 800 newtons. (SSM)
Yes	12	extremely strong	Extremely strong	No description available.
Yes	13	H	hard	No description available.
Yes	14	S	soft	No description available.

Domain Description: The relative resistance to rupture of a block structural unit that is cemented together with some agent of cementation. Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012

## NASIS 7.4.2 Domains

Domain Name: rupture\_resist\_block\_dry

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	loose	Loose	Aggregated or block-type specimen not obtainable.
No	2	soft	Soft	Stress applied ranges from 0 to 8 newtons. (SSM)
No	3	slightly hard	Slightly hard	Stress applied ranges from 8 to 20 newtons. (SSM)
No	4	moderately hard	Moderately hard	Stress applied ranges from 20 to 40 newtons. (SSM)
No	5	hard	Hard	Stress applied ranges from 40 to 80 newtons. (SSM)
No	6	very hard	Very hard	Stress applied ranges from 80 to 160 newtons. (SSM)
No	7	extremely hard	Extremely hard	Stress applied ranges from 160 to 800 newtons. (SSM)
No	8	rigid	Rigid	Stress applied ranges from 800 newtons to 3 joules. (SSM)
No	9	very rigid	Very rigid	Stress applied is greater than or equal 3 joules. (SSM)
Yes	10	hard when dry	Hard when dry	Stress applied ranges from 20 to 80 newtons. (SSM)
Yes	11	somewhat hard	Somewhat hard	No description available.

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Domain Description: The relative resistance to rupture of a block structural unit when dry. Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012

## NASIS 7.4.2 Domains

Domain Name: rupture\_resist\_block\_moist

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	loose	Loose	Aggregated or block-type specimen not obtainable.
No	2	very friable	Very friable	Stress applied ranges from 0 to 8 newtons. (SSM)
No	3	friable	Friable	Stress applied ranges from 8 to 20 newtons. (SSM)
No	4	firm	Firm	Stress applied ranges from 20 to 40 newtons. (SSM)
No	5	very firm	Very firm	Stress applied ranges from 40 to 80 newtons. (SSM)
No	6	extremely firm	Extremely firm	Stress applied ranges from 80 to 160 newtons. (SSM)
No	7	slightly rigid	Slightly rigid	Stress applied ranges from 160 to 800 newtons. (SSM)
No	8	rigid	Rigid	Stress applied ranges from 800 newtons to 3 joules. (SSM)
No	9	very rigid	Very rigid	Stress applied is greater than or equal 3 joules. (SSM)
Yes	10	extremely firm when moist	Extremely firm when moist	Stress applied ranges from 80 to 800 newtons. (SSM)
Yes	11	extremely firm*	Extremely firm*	No description available.
Yes	12	slightly firm	Slightly firm	No description available.

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Domain Description: The relative resistance to rupture of a block structural unit when moist. Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012

## NASIS 7.4.2 Domains

Domain Name: rupture\_resist\_cem\_agent

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	gypsum	Gypsum	No description available.
No	2	humus	Humus	No description available.
No	3	iron	Iron	No description available.
No	4	carbonates	Carbonates	No description available.
No	5	silica	Silica	No description available.
Yes	6	carbonates and silica	Carbonates and silica	No description available.

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Domain Description: The chemical agent cementing the structural unit together. Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012

## NASIS 7.4.2 Domains

Domain Name: rupture\_resist\_plate

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	extremely strong	Extremely strong	No description available.
No	2	extremely weak	Extremely weak	No description available.
No	3	moderate	Moderate	No description available.
No	4	moderately strong	Moderately strong	No description available.
No	5	strong	Strong	No description available.
No	6	very strong	Very strong	No description available.
No	7	very weak	Very weak	No description available.
No	8	weak	Weak	No description available.

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Domain Description: The relative resistance to rupture of a plate-like structural unit. C329

## NASIS 7.4.2 Domains

Domain Name: saf\_cover\_type

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	Arizona cypress	Arizona cypress	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	2	Ashe's juniper/redberry (Pinchot) juniper	Ashe's juniper/redberry (Pinchot) juniper	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	3	aspen (eastern)	aspen (eastern)	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	4	aspen (western)	aspen (western)	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	6	Atlantic white cedar	Atlantic white cedar	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	7	bald cypress	bald cypress	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	8	bald cypress/tupelo	bald cypress/tupelo	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	9	balsam fir	balsam fir	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	10	balsam poplar	balsam poplar	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	11	bear oak	bear oak	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	13	beech/sugar maple	beech/sugar maple	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	14	black ash/American elm/red maple	black ash/American elm/red maple	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	16	black cherry/maple	black cherry/maple	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	17	black cottonwood/willow	black cottonwood/willow	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	18	black locust	black locust	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.



Obsolete?	ID	Data Entry Text	Label Text	Description
No	19	black oak	black oak	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	20	black spruce (eastern)	black spruce (eastern)	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	21	black spruce (western)	black spruce (western)	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	24	black spruce/paper birch	black spruce/paper birch	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	25	black spruce/tamarack	black spruce/tamarack	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	27	black spruce/white spruce (western)	black spruce/white spruce (western)	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	28	black willow	black willow	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	29	blue oak/digger pine	blue oak/digger pine	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	30	blue spruce	blue spruce	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	31	bristlecone pine	bristlecone pine	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	32	bur oak (eastern)	bur oak (eastern)	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	33	bur oak (western)	bur oak (western)	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	34	cabbage palmetto	cabbage palmetto	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	36	California black oak	California black oak	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	37	California coast live oak	California coast live oak	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	38	California mixed subalpine	California mixed subalpine	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	39	Canyon live oak	Canyon live oak	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	40	chestnut oak	chestnut oak	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	41	coastal true fir/hemlock	coastal true fir/hemlock	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	42	cottonwood	cottonwood	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	43	cottonwood/willow	cottonwood/willow	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	44	Douglas-fir/tanoak/Pacific madrone	Douglas-fir/tanoak/Pacific madrone	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	45	Douglas-fir/western hemlock	Douglas-fir/western hemlock	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	46	eastern hemlock	eastern hemlock	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	47	eastern redcedar	eastern redcedar	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	50	eastern redcedar/pine/hardwoods	eastern redcedar/pine/hardwoods	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	51	eastern white pine	eastern white pine	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	52	Engelmann spruce/subalpine fir	Engelmann spruce/subalpine fir	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	53	grand fir	grand fir	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	54	gray birch/red maple	gray birch/red maple	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	55	hawthorn	hawthorn	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	56	hemlock/yellow birch	hemlock/yellow birch	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	57	interior Douglas-fir	interior Douglas-fir	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	58	interior ponderosa pine	interior ponderosa pine	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	59	jack pine	jack pine	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	63	Jeffrey pine	Jeffrey pine	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	64	knobcone pine	knobcone pine	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	65	limber pine	limber pine	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	66	live oak	live oak	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	67	loblolly pine	loblolly pine	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	68	loblolly pine/hardwood	loblolly pine/hardwood	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	69	loblolly pine/shortleaf pine	loblolly pine/shortleaf pine	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	70	lodgepole pine	lodgepole pine	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	71	longleaf pine	longleaf pine	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	72	longleaf pine/scrub oak	longleaf pine/scrub oak	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	73	longleaf pine/slash pine	longleaf pine/slash pine	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	74	mangrove	mangrove	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	75	mesquite (eastern)	mesquite (eastern)	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	76	mesquite (western)	mesquite (western)	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	77	Mohrs ("shin") oak	Mohrs ("shin") oak	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	78	mountain hemlock	mountain hemlock	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	79	northern pin oak	northern pin oak	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	80	northern red oak	northern red oak	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	83	northern white-cedar	northern white-cedar	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	84	Oregon white oak	Oregon white oak	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	85	overcup oak/water hickory	overcup oak/water hickory	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	86	Pacific Douglas-fir	Pacific Douglas-fir	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	87	Pacific ponderosa pine	Pacific ponderosa pine	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	88	Pacific ponderosa pine/Douglas-fir	Pacific ponderosa pine/Douglas-fir	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	89	paper birch (eastern)	paper birch (eastern)	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	90	paper birch (western)	paper birch (western)	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	91	paper birch/red spruce/balsam fir	paper birch/red spruce/balsam fir	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	92	pin cherry	pin cherry	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	93	pin oak/sweetgum	pin oak/sweetgum	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	94	pinyon/juniper	pinyon/juniper	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	95	pitch pine	pitch pine	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	96	pond pine	pond pine	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	97	pond cypress	pond cypress	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	99	Port Orford cedar	Port Orford cedar	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	100	post oak/blackjack oak	post oak/blackjack oak	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	101	red alder	red alder	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	102	red fir	red fir	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	103	red maple	red maple	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	104	red pine	red pine	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	105	red spruce	red spruce	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	106	red spruce/balsam fir	red spruce/balsam fir	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	107	red spruce/Fraser fir	red spruce/Fraser fir	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	108	red spruce/sugar maple/beech	red spruce/sugar maple/beech	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	109	red spruce/yellow birch	red spruce/yellow birch	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	110	redwood	redwood	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	111	river birch/sycamore	river birch/sycamore	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	112	Rocky Mountain juniper	Rocky Mountain juniper	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	113	sand pine	sand pine	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	114	sassafras/persimmon	sassafras/persimmon	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	116	shortleaf pine	shortleaf pine	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	117	shortleaf pine/oak	shortleaf pine/oak	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	119	Sierra Nevada mixed conifer	Sierra Nevada mixed conifer	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	120	silver maple/American elm	silver maple/American elm	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	121	Sitka pine	Sitka pine	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	122	slash pine	slash pine	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	123	slash pine/hardwood	slash pine/hardwood	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	125	south Florida slash pine	south Florida slash pine	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	126	southern redcedar	southern redcedar	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	127	southern scrub oak	southern scrub oak	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	128	sugar maple	sugar maple	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	129	sugar maple/basswood	sugar maple/basswood	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	130	sugar maple/beech/yellow birch	sugar maple/beech/yellow birch	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	131	sugarberry/American elm/green ash	sugarberry/American elm/green ash	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	132	swamp chestnut oak/cherrybark oak	swamp chestnut oak/cherrybark oak	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	133	sweetbay/swamp tupelo/redbay	sweetbay/swamp tupelo/redbay	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	134	sweetgum/willow oak	sweetgum/willow oak	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	135	sweetgum/tuliptree	sweetgum/tuliptree	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	136	sycamore/sweetgum/American elm	sycamore/sweetgum/American elm	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	137	tamarack	tamarack	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	138	tropical hardwoods	tropical hardwoods	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	139	tuliptree	tuliptree	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	140	tuliptree/eastern hemlock	tuliptree/eastern hemlock	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	141	tuliptree/white oak/northern red oak	tuliptree/white oak/northern red oak	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	142	Virginia pine	Virginia pine	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	143	Virginia pine/oak	Virginia pine/oak	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	144	water tupelo/swamp tupelo	water tupelo/swamp tupelo	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	145	western hemlock	western hemlock	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	146	western hemlock/Sitka spruce	western hemlock/Sitka spruce	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	147	western juniper	western juniper	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	148	western larch	western larch	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	149	western live oak	western live oak	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	150	western redcedar	western redcedar	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	151	western redcedar/western hemlock	western redcedar/western hemlock	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	152	western white pine	western white pine	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	153	white fir	white fir	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	154	white oak	white oak	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	155	white oak/black oak/northern red oak	white oak/black oak/northern red oak	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	156	white pine/chestnut oak	white pine/chestnut oak	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	157	white pine/hemlock	white pine/hemlock	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	158	white pine/northern red oak/red maple	white pine/northern red oak/red maple	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	159	white spruce (eastern)	white spruce (eastern)	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	160	white spruce (western)	white spruce (western)	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	161	white spruce/aspen	white spruce/aspen	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	164	white spruce/balsam fir/paper birch	white spruce/balsam fir/paper birch	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	165	white spruce/paper birch	white spruce/paper birch	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	166	whitebark pine	whitebark pine	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
No	167	willow oak/water oak/diamondleaf oak	willow oak/water oak/diamondleaf oak	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
Yes	5	aspen/paper birch	aspen/paper birch	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
Yes	12	beech/southern magnolia	beech/southern magnolia	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
Yes	15	black cherry	black cherry	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
Yes	22	black spruce/aspen	black spruce/aspen	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.



Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	23	black spruce/balsam fir	black spruce/balsam fir	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
Yes	26	black spruce/white spruce (eastern)	black spruce/white spruce (eastern)	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
Yes	35	cabbage palmetto/slash pine	cabbage palmetto/slash pine	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
Yes	48	eastern redcedar/hardwoods	eastern redcedar/hardwoods	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
Yes	49	eastern redcedar/pine	eastern redcedar/pine	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
Yes	60	jack pine/aspen	jack pine/aspen	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
Yes	61	jack pine/black spruce	jack pine/black spruce	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
Yes	62	jack pine/paper birch	jack pine/paper birch	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
Yes	81	northern red oak/basswood/white ash	northern red oak/basswood/white ash	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
Yes	82	northern red oak/mockernut hickory/sweetgum	northern red oak/mockernut hickory/sweetgum	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
Yes	98	ponderosa pine/larch/Douglas-fir	ponderosa pine/larch/Douglas-fir	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
Yes	115	scarlet oak	scarlet oak	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
Yes	118	shortleaf pine/Virginia pine	shortleaf pine/Virginia pine	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
Yes	124	slash pine/swamp tupelo	slash pine/swamp tupelo	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
Yes	162	white spruce/balsam fir	white spruce/balsam fir	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.
Yes	163	white spruce/balsam fir/aspen	white spruce/balsam fir/aspen	Reference: Eyre, F.H., 1980, Forest Cover Types of the United States and Canada: Society of American Foresters, 148p.

Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: salinity\_class

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	nonsaline	Nonsaline	Electrical conductivity is < 2 ds/m.
No	2	very slightly saline	Very slightly saline	Electrical conductivity is 2 to 4 ds/m.
No	3	slightly saline	Slightly saline	Electrical conductivity is 4 to 8 ds/m.
No	4	moderately saline	Moderately saline	Electrical conductivity is 8 to 16 ds/m.
No	5	strongly saline	Strongly saline	Electrical conductivity is > 16 ds/m.

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Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: sample\_plot\_configuraton

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	standard cluster	Standard cluster	Reference point (geo-referenced point) = center of cluster = RaCA point; north-south baseline.
No	2	shifted cluster	Shifted cluster	Reference point (geo-referenced point) = center of cluster != RaCA point; north-south baseline.
No	3	circular	Circular	The plot is laid out in circular configuration.
No	4	rotated cluster	Rotated Cluster	No description available.
No	5	rectangular	Rectangular	The plot is laid out in a rectangular or square configuration.
No	6	chain	Chain	No description available.
No	7	triangular	Triangular	The plot is arranged in an equilateral triangle shape.

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Domain Description: The size and layout of a plot that is the basis for sampling vegetation. Could include transects or other subplots within the overall plot configuration.

## NASIS 7.4.2 Domains

Domain Name: sampling\_intensity

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	low	Low	No description available.
No	2	medium	Medium	No description available.
No	3	high	High	No description available.

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Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: sand\_total\_method

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	hydrometer	Hydrometer	Total Sand determined by SSIR51V1-3.2.1.2.1 Hydrometer Analysis for Routinely Reported Size Fractions (D 422-63 (ASTM, 2008c)) using the hydrometer
No	2	sieves	Sieves	Total Sand determined by SSIR51V1-3.2.1.2.1 Hydrometer Analysis for Routinely Reported Size Fractions (D 422-63 (ASTM, 2008c)) using the sieves.

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Domain Description: The method used in the field soil survey office to determine the total sand particle size percentage in a sample. Reference: Soil Survey Investigations Report No. 51 version 2, 2014

## NASIS 7.4.2 Domains

Domain Name: sand\_very\_fine\_method

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	270 mesh sieve	270 mesh sieve	Percent of the < 2mm fraction passing the 140 sieve and retained on the 270 sieve. SSIR51V1-3.2.1.2
No	2	300 mesh sieve	300 mesh sieve	Percent of the < 2mm fraction passing the 140 sieve and retained on the 300 sieve
No	3	hydrometer	Hydrometer	Percent of the < 2mm fraction that is between 0.05 and 0.1 mm as estimated using a hydrometer
No	4	hydrometer and sieves	Hydrometer and sieves	Percent of the < 2mm fraction that is between 0.05 and 0.1 mm as estimated using sieves and the hydrometer method

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Domain Description: The method used in the field soil survey office to determine the very fine sand particle size percentage in a sample. Reference: Soil Survey Investigations Report No. 51 version 2, 2014

## NASIS 7.4.2 Domains

Domain Name: sat\_hyd\_conduct\_method

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	amoozemeter	Amoozemeter	No description available.
No	2	single ring	Single ring	No description available.
No	3	double ring	Double ring	No description available.

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Domain Description: The method used in the field soil survey office to determine the saturated hydraulic conductivity. Reference: Soil Survey Investigations Report No. 51 version 2, 2014

## NASIS 7.4.2 Domains

Domain Name: sat\_hyd\_conductivity\_class

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	very low	Very low	Saturated hydraulic conductivity is <0.01 um/sec.
No	2	low	Low	Saturated hydraulic conductivity is 0.01-0.1 um/sec.
No	3	moderately low	Moderately low	Saturated hydraulic conductivity is 0.1-1.0 um/sec.
No	4	moderately high	Moderately high	Saturated hydraulic conductivity is 1.0-10 um/sec.
No	5	high	High	Saturated hydraulic conductivity is 10-100 um/sec.
No	6	very high	Very high	Saturated hydraulic conductivity is >=100 um/sec.

Domain Description: The relative rate at which water moves through the soil profile. Reference: Soil Survey Investigations Report No. 51 version 2, 2014



## NASIS 7.4.2 Domains

Domain Name: season\_of\_use

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	spring	Spring	No description available.
No	2	summer	Summer	No description available.
No	3	fall	Fall	No description available.
No	4	winter	Winter	No description available.
No	5	specialized system	Specialized system	A specialized system is in place that regularly alternates the season of use.
No	6	not grazed	Not grazed	No description available.
No	7	unknown	Unknown	No description available.
No	8	year round	Year round	No description available.

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Domain Description: The season(s) when browsing/grazing occurs.

## NASIS 7.4.2 Domains

Domain Name: seedling\_abundance

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	none	None	No description available.
No	2	some	Some	No description available.
No	3	abundant	Abundant	No description available.

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Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: series\_status

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	tentative	Tentative	The series has a 'tentative' status in the Soil Classification database, meaning it has not been correlated in the final correlation or an amendment to a correlation of a soil survey project.
No	2	established	Established	The series has an 'established' status in the Soil Classification database, meaning it has been correlated in the final correlation or an amendment to a correlation of a soil survey project.
No	3	inactive	Inactive	The series has a 'inactive' status in the Soil Classification database, meaning it is no longer used. The concept of such a series has generally been replaced by one or more 'active' soil series.

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Domain Description: A term describing a phase in the life-cycle of a soil series. i.e. Tentative, Established, or Inactive. Reference: Part 614 National Soil Survey Handbook.

## NASIS 7.4.2 Domains

Domain Name: silviculture\_harvest\_method

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	clearcutting	Clearcutting	all trees removed; site open for regeneration, natural or artificial
No	2	seed tree scattered	Seed Tree Scattered	widely-spaced trees left after cutting for natural regeneration
No	3	shelterwood	Shelterwood	removal of trees in multiple cuttings over a period of years to control the regeneration environment
No	4	group selection	Group Selection	groups of trees removed; small-scale clearcutting leaves small open spaces for regeneration
No	5	single tree selection	Single Tree Selection	removes individual trees
No	6	coppicing	Coppicing	cutting limbs or tops of trees and leaving the stumps to regenerate
No	7	no obvious method	No Obvious Method	No description available.

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Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: site\_association\_text\_kind

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	site association, formatted	Site association, formatted	A formatted note written at the time of describing a site, pedon. or horizon. This note may be included into the pedon description report.
No	2	site association, unformatted	Site association, unformatted	A free-form note written at the time of describing a site, pedon. or horizon.
No	3	miscellaneous notes	Miscellaneous notes	No description available.
No	4	correlation notes	Correlation notes	No description available.
No	5	windows pedon import issue	Windows Pedon import issue	No description available.

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Domain Description: The kind of text note used to record additional information about the site association.

## NASIS 7.4.2 Domains

Domain Name: site\_index\_curves

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	05	Hoyer, Herman 1989 (05)	Height-age and site index curves for Pacific silver fir in the Pacific Northwest. USDA, Forest Service. Pacific Northwest Experiment Station Research Paper PNW-RP-418. Hoyer, Gerald D. and Francis R. Herman. 1989
No	2	010	Gevorkiantz 1956a (010)	Site index curves for aspen in the Lake Lake States Forest Exp. Sta., States. U.S.D.A. Forest Serv., Tech. Note 498. 2 p., illus. Lake States Forest Exp. Sta., Lundgren, Allen L. 1965. Thinning Tech. Note 464. Gevorkiantz, S. R. 1956b.
No	3	011	Carmean, Hahn 1981 (011)	Balsam fir, Carmean, Hahn 1981
No	4	020	Lloyd 1970a (020)	Balsam fir, northeast: Yield tables for spruce-fir in the northeast. USDA, Soil Conservation Service. North East Regional Technical Service Center Technical Note WOOD-UD-4. Lloyd, William J. 1970a.
No	5	030	Schumacher 1926 (030)	White fir, entire range, Normal Yield Tables for White Fir. California Agricultural Experiment Station Bulletin No. 407. Schumacher 1926
No	7	032	Dolph 1987 (032)	White fir, west of Sierra Nevada Range, Site index curves for young-growth California white fir on the western slopes of the Sierra Nevada, PSW-RP-185. Pacific Southwest Forest and Range Experiment Station, Forest Service, U.S. Dolph 1987
No	8	035	Cochran 1979a (035)	White fir, east of cascades, OR and WAS, Site Index and Height Growth Curves For Management, Even-Aged Stands of White or Grand Fir East of the Cascades in Oregon and Washington. R.P. PNW-252. Cochran 1979a
No	9	605	Dunning 1942 (605)	White fir, CA, A site classification for the mixed-conifer selection forests of the Sierra Nevada, Dunning 1942
No	10	570	Haig 1932 (570)	Second-growth yield, stand, and volume tables for the Western White pine type, Haig 1932
No	11	050	Schumacher 1928 (050)	California Red fir, entire range, Normal Yield Tables for Red Fir. California Agricultural Experiment Station Bulletin No. 456. Schumacher 1928
No	12	055	Dolph 1991 (055)	California red fir, WA OR, Polymorphic site index curves for red fir in California and southern Oregon. PSW-206. U.S. Department of Agriculture, Forest Service, Pacific Southwest Research Station. Dolph 1991.
No	13	060	Herman, Curtis, DeMars 1978 (060)	Noble fir, Height Growth and Site Index Estimates for Noble Fir in High Elevation Forests of the Oregon-Washington Cascades. R.P. PNW-243. Herman, F.R., R.O. Curtis, D.J. DeMars. 1978.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	14	070	Lloyd 1971a (070)	Black maple, entire range: Site index curves and tables for the northern hardwoods. USDA, Soil Conservation Service. Regional Technical Service Center Technical Note WOOD-UD-8. Lloyd, William F. 1971a.
No	15	094	Lloyd 1971b (094)	Paper birch, northeast. Lloyd 1971a
No	16	095	Carmean 1978 (095)	Site index curves for northern hardwoods in northern Wisconsin and Upper Michigan. Research Paper NC-160. St. Paul, MN: U.S. Dept. of Agriculture, Forest Service, North Central Forest Experiment Station. Carmean, Willard H. 1978.
No	17	071	Carmean 1978 (071)	Sugar maple Northern Wisconsin and Upper Michigan. Carmean. 1978
No	18	075	Brendemuehl, McComb, Thomson 1961 (075)	Stand, yield and growth of silver maple in Iowa. F-159. Ames, IA: Iowa State University Extension Service. Brendemuehl,R.H.; McComb,A.L.; Thomson,G.W. 1961b.
No	19	100	Worthington, Johnson, Staebler, Lloyd 1960 (100)	Normal Yield Tables for Red Alder. Worthington, Johnson, Staebler, Lloyd 1960
No	20	105	Harrington, Curtis 1986 (105)	Red Alder, Height Growth and Site Index Curves for Red Alder, USDA Forest Service PNW-358. Harrington, C.A., Curtis, R.O. 1986
No	21	120	Lloyd 1971a (120)	Yellow birch, entire range. Lloyd 1971a
No	22	121	Carmean 1978 (121)	Yellow birch Northern Wisconsin and Upper Michigan. Carmean 1978
No	23	130	Cooley 1958, 1962 (130)	Paper birch. Cooley 1958, 1962
No	24	131	Carmean 1978 (131)	Paper birch Northern Wisconsin and Upper Michigan. Carmean 1978
No	25	140	Lloyd 1971a (140)	Paper birch, AK, GROWTH AND YIELD OF WELL STOCKED ASPEN AND BIRCH STANDS IN ALASKA. USDA For. Serv. Res. Pap. NOR-2, North For. Exp. Stn. Gregory, R. A., and Krinard, P.M. 1965.
No	26	141	Gregory, Krinard 1965 (141)	Paper birch, AK, GROWTH AND YIELD OF WELL STOCKED ASPEN AND BIRCH STANDS IN ALASKA. USDA For. Serv. Res. Pap. NOR-2, North For. Exp. Stn. Gregory, R. A., and Krinard, P.M. 1965.
No	27	300	Dolph 1983 (300)	Site index curves for young-growth incense-cedar of the westside Sierra Nevada
No	28	157	Boisen, Newlin 1910 (157)	Mockernot hickory, Cumberland Mountains: The commercial hickories. Bull. 80. Washington, DC: U.S. Department of Agriculture, Forest Service. Boisen, Anton T. Newlin, J.A. 1910.
No	29	158	Boisen, Newlin 1910 (158)	Mockernut hickory, Mississippi Valley: The commercial hickories. Bull. 80. Washington, DC: U.S. Department of Agriculture, Forest Service. Boisen, Anton T. Newlin, J.A. 1910.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	30	151	Boisen, Newlin 1910 (151)	Bitternut hickory, entire range: The commercial hickories. Bull. 80. Washington, DC: U.S. Department of Agriculture, Forest Service. Boisen, Anton T. Newlin, J.A. 1910.
No	31	153	Boisen, Newlin 1910 (153)	Pignut hickory, Cumberland Mountains: The commercial hickories. Bull. 80. Washington, DC: U.S. Department of Agriculture, Forest Service. Boisen, Anton T. Newlin, J.A. 1910.
No	32	154	Boisen, Newlin 1910 (154)	Pignut hickory, Mississippi Valley: The commercial hickories. Bull. 80. Washington, DC: U.S. Department of Agriculture, Forest Service. Boisen, Anton T. Newlin, J.A. 1910.
No	33	155	Boisen, Newlin 1910 (155)	Pignut hickory, Northern Ohio: The commercial hickories. Bull. 80. Washington, DC: U.S. Department of Agriculture, Forest Service. Boisen, Anton T. Newlin, J.A. 1910.
No	34	156	Boisen, Newlin 1910 (156)	Pignut hickory, Ohio Valley: The commercial hickories. Bull. 80. Washington, DC: U.S. Department of Agriculture, Forest Service. Boisen, Anton T. Newlin, J.A. 1910.
No	35	330	Broadfoot, Krinard 1959 (330)	Sweetgum, South, Midwest, and West of Mountains in Northeast, Broadfoot, Krinard 1959
No	36	150	Boisen, Newlin 1910 (150)	The commercial hickories. Bull. 80. Washington, DC: U.S. Department of Agriculture, Forest Service. Boisen, Anton T. Newlin, J.A. 1910.
No	37	820	Schnur 1937 (820)	upland oaks, Michigan south to Georgia, Missouri east to Pennsylvania and Maryland Schnur 1937
No	38	160	Korstian, Brush 1931 (160)	Atlantic White-cedar, Korstian, Brush 1931
No	39	165	Hampf 1965 (165)	American beech, entire range, Site index curves for some forest species in the Eastern United States. USDA FS State and Private Forestry, East Region. Hampf, F. E. 1965
No	40	166	Carmean 1978 (166)	American beech, Carmean 1978
No	41	170	Lloyd 1971a (170)	White ash, entire range, Lloyd 1971a
No	42	171	Carmean 1978 (171)	White ash, Carmean 1978
No	43	331	Carmean 1978 (331)	Black ash. Carmean 1978
No	44	332	Broadfoot 1969 (332)	Green ash, LA, MS, AR TN. Broadfoot 1969
No	45	190	Kellogg 1939a (190)	Black walnut, entire range: Site index curves for plantation black walnut, Central States region. USDA, Forest Service. Central States Forest Experiment Station Note 35. Kellogg 1939a
No	46	191	Losche, Schlesinger 1975 (191)	Black walnut plantations—shallow flood plains, Losche, Schlesinger 1975
No	47	192	Losche, Schlesinger 1975 (192)	Black walnut plantations—deep flood plains, Losche, Schlesinger 1975



Obsolete?	ID	Data Entry Text	Label Text	Description
No	48	210	Sauerwein 1982 (210)	Western juniper, entire range, Western Juniper Site Index Curves. WNTC Tech Note Forestry No. 14 Sauerwein 1982
No	49	202	Chojnacky 1986 (202)	Utah juniper, Pinyon-Juniper Site Quality and Volume Growth Equations for Nevada. U.S. Department of Agriculture, Forest Service, Intermountain Research Station. Research Paper INT-372. Ogden, UT. Chojnacky, D.C. 1986.
No	50	200	Howell 1940 (200)	Oneseed juniper, Utah juniper, Rocky Mountain juniper, Alligator juniper; Pinon [sic] and juniper, a preliminary study of volume, growth and yield. USDA, Soil Conservation Service. Region 8 Regional Bulletin 71, Forest Series 12. Howell, J. P. 1940.
No	51	220	T.V.A. 1948 (220)	Eastern redcedar, Hampf 1948
No	52	230	Stone 1957 (230)	European larch plantations, Stone 1957
No	53	240	Aird, Stone 1955 (240)	Japanese larch plantations. Aird, Stone 1955
No	54	235	Gevorkiantz 1957a (235)	Northern White-cedar (gevorkiantz 1957e) lake states, Black spruce, Gevorkiantz 1957a
No	55	260	Cummings 1937 (260)	Western larch, MT, A cubic-foot alignment chart for western larch. Journal of Forestry 35, 415-417. Cummings, L.J., 1937a.
No	56	261	Cochran 1985 (261)	Western larch, Site index, height growth, normal yields and stocking levels for larch in Oregon and Washington. U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station. PNW-RP-424. Cochran 1985
No	57	265	Schmidt, Shearer, Roe 1976 (265)	Western larch, west except MT, Ecology and Silviculture of Western Larch. Tech. Bulletin No. 1520. Schmidt, Shearer, Roe 1976
No	58	340	Trenk 1929 (340)	Sweetgum. Trenk 1929
No	59	350	Beck 1962 (350)	Tuliptree, MLRA's 131, 133A, 133B, 134, 135, 136, 137 138, 148, 149A 149B, 152A, 153A, 153B, 153C, 154, and 155. Beck 1962
No	60	355	Schlaegel, Kulow, Baughman 1969 (355)	Yellow-poplar. Schlaegel, Kulow, Baughman 1969
No	61	360	Beck 1962 (360)	Tuliptree, entire range, (other than listed for curve 350). Beck 1962
No	62	390	Applequist 1959 (390)	Water tupelo, Applequist 1959
No	63	395	Applequist 1959 (395)	Swamp tupelo, Applequist 1959
No	64	411	Wilde, Lyer, Tanser, Trautmann, Watterson 1965 (411)	Norway spruce, Wilde, Lyer, Tanser, Trautmann, Watterson 1965

Obsolete?	ID	Data Entry Text	Label Text	Description
No	66	412	Alexander 1967 (412)	Engelmann spruce - entire range, RM-RP-32: Site indexes for Engelmann spruce. Alexander 1967
No	67	420	Lloyd 1970a (420)	White spruce, northeast, Lloyd 1970a
No	68	421	Gevorkiantz 1957b (421)	Northern Red oak, Gevorkiantz 1957b
No	69	422	Carmean, Hahn 1981 (422)	White spruce, Carmean, Hahn 1981
No	70	430	Ferber 1971 (430)	White spruce, Midwest, Site Index Curves and Tables for White spruce. USDA Soil Conservation Service, Midwest Regional Technical Center, Technical Note Woodland LI-1. Ferber, A. E. 1971
No	71	440	Farr 1967 (440)	White spruce, AK, Growth and Yield of Well Stocked White spruce stands in Alaska. USDA For. Serv. Res. Pap. PNW-53. Farr, W. A. 1967
No	72	450	Gevorkiantz 1957c (450)	Black spruce, entire range Gevorkiantz 1957a is in the FS East document but not 1957c, Gevorkiantz 1957c
No	73	470	Lloyd 1970b (470)	Red spruce, entire range: White pine yield tables. USDA, Soil Conservation Service. Regional Technical Service Center Technical Note WOOD-UD-6. (derived from: Frothingham, E.H. 1914. White pine underforest management. USDA, Forest Service Bulletin 13. Lloyd, William J. 1970b.
No	74	490	Meyer 1961 (490)	Yield of Even-Aged Stands of Sitka Spruce and Western Hemlock. Tech. Bulletin 544. Meyer 1937.
No	75	491	Farr 1984 (491)	Sitka spruce, southeast AK, Site index and height growth curves for unmanaged even-aged stands of western hemlock and Sitka spruce in southeast Alaska. Farr 1984
No	76	500	Gevorkiantz 1956b (500)	Balsam fir, Gevorkiantz 1956a
No	77	501	Wilde, Lyer, Tanser, Trautmann, Watterston 1965 (501)	Jack pine plantations, Wilde, Lyer, Tanser, Trautmann, Watterston 1965
No	78	502	Wilde, Lyer, Tanser, Trautmann, Watterston 1965 (502)	Jack pine plantations, Wilde, Lyer, Tanser, Trautmann, Watterston 1965
No	79	510	Schumacher, Coile 1960 (510)	Sand pine (Schumacher and Coile 1970) Florida—Ocala National Forest
No	80	520	Alexander 1966 (520)	Lodgepole pine, entire range, Site Indexes for Lodgepole Pine, with Corrections for Stand Density. Anderson 1966

Obsolete?	ID	Data Entry Text	Label Text	Description
No	81	600	Meyer 1961 (600)	Coulter pine, entire range, Yield of Even-Aged Stands of Ponderosa Pine. Tech. Bulletin 630. Meyer, W.H. 1938.
No	82	530	Coile, Schumacher 1953 (530)	Shortleaf pine, Coile, Schumacher 1953
No	83	531	Nash 1963 (531)	Shortleaf pine, Nash 1963
No	84	532	Gilmore, Metcalf 1961 (532)	Shortleaf pine plantations, Gilmore, Metcalf 1961
No	85	550	USDA 1929 (550)	Slash pine, USDA 1929
No	86	555	Barnes 1955 (555)	Slash pine, Barnes 1955
No	87	540	Langdon 1961 (540)	South Florida Slash pine, entire range, Langdon 1961
No	88	541	Langdon 1959 (541)	Slash pine, Langdon 1959
No	89	580	USDA 1929 (580)	Longleaf pine, USDA 1929
No	90	601	Minor 1964 (601)	Site index curves for young-growth ponderosa pine in northern Arizona. Research Note RM-37. USDA FS Rocky Mountain Forest and Range Experiment Station. Minor, C.O. 1964.
No	91	620	Nelson, Clutter, Chaiken 1961 (620)	Chestnut oak (Carmean 1971, 1972) Unglaciaded uplands of southeastern Ohio, eastern Kentucky, and southern Indiana
No	92	630	Gevorkiantz 1957d (630)	Tamarack, Gevorkiantz 1957d
No	93	631	Wilde 1965 (631)	Red pine plantations, Wilde 1965
No	94	632	Gilmore 1967 (632)	Red pine plantations, Gilmore 1967
No	95	635	Illick, Aughanbaugh 1930 (635)	Pitch pine, entire range, Illick, Aughanbaugh 1930
No	96	640	Schumacher, Coile 1960 (640)	Pond pine (Schumacher and Coile 1960) Coastal Plain of North Carolina, South Carolina, and Georgia
No	97	650	Doolittle 1960 (650)	Eastern White pine, South: IN, IL, IA, OH, WV, MD, DE, VA, KY. Site of eastern white pine and Red maple. Forest index curves for natural stands of white pine in Science.5: 279-291. Doolittle, Vimmerstedt 1960.
No	98	651	Gilmore 1968 (651)	Eastern White pine plantations, Gilmore 1968
No	99	660	Lloyd 1970b (660)	Eastern White pine, PA, NJ, NY, and New England: White pine yield tables. USDA, Soil Conservation Service. Regional Technical Service Center Technical Note WOOD-UD-6. Lloyd, William J. 1970b.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	100	670	Gevorkiantz 1957e (670)	Northern White-cedar, Gevorkiantz 1957e
No	101	690	Coile, Schumacher 1953 (690)	Loblolly pine, Coile, Schumacher 1953
No	102	691	Gilmore, Metcalf 1961 (691)	Loblolly pine plantations, Gilmore, Metcalf 1961
No	103	621	Kulow, Sowers, Heesch 1966 (621)	Virginia pine, Kulow, Sowers, Heesch 1966
No	104	700	Briscoe, Ferrill 1958 (700)	American Sycamore, Height Growth of American Sycamore in Southeastern Louisiana. LSU Forestry Note AESRR-FN-19. Briscoe, Charles B.; Ferrill, Mitchell D. 1958.
No	105	710	Broadfoot 1960 (710)	Eastern cottonwood, Broadfoot 1960
No	106	711	Neebe, Boyce 1959 (711)	Cottonwood, Neebe, Boyce 1959
No	107	712	Brendemuehl 1965 (712)	Eastern cottonwood, IA, Brendemuehl 1965
No	108	740	BCFS 1977 (740)	Plains cottonwood, pacific northwest, BCFS 1977
No	109	720	Gevorkiantz 1956c (720)	Jack pine, Gevorkiantz 1956c
No	110	721	Carmean 1978 (721)	Bigtooth and Quaking aspens, Carmean 1978
No	111	725	Gregory, Haack 1965 (725)	Quaking Aspen, AK, GROWTH AND YIELD OF WELL STOCKED ASPEN AND BIRCH STANDS IN ALASKA. USDA For. Serv. Res. Pap. NOR-2, 28 p., North For. Exp. Stn. Gregory, R. A., and P. M. Haack. 1965.
No	112	730	Baker 1925 (730)	Quaking aspen, west except AK, Baker 1925
No	113	735	Edminster, Mowrer, Shepperd 1985 (735)	Quaking aspen ,Central Rocky Mountains, Site index curves for aspen in the central Rocky Mountains U.S. For. Serv. Res. Note, RM, 453, 1985
No	114	750	Defler 1937 (750)	Black cherry, Defler 1937
No	115	751	Carmean 1978 (751)	Black cherry, Carmean 1978
No	116	752	Auchmoody, Rexrode 1984 (752)	Black cherry, Auchmoody, Rexrode 1984
No	117	781	DeMars, Herman 1987 (781)	Douglas-fir, Res. Pap. PNW-RP-378. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station. DeMars, Herman 1987

Obsolete?	ID	Data Entry Text	Label Text	Description
No	118	790	McArdle, Meyer, Bruce 1961 (790)	Douglas-fir, The Yield of Douglas-fir in the Pacific Northwest. Tech. Bulletin No. 201. McArdle, R.E., W.H. Meyer, D. Bruce. 1961.
No	119	795	King 1966 (795)	Douglas-fir, West of Cascade Mountains in WA or OR Mesic and Frigid Soils, Site Curves for Douglas-fir in the Pacific Weyerhaeuser Forestry Paper No. 8. King 1966
No	120	765	Cochran 1979b (765)	Rocky Mountain Douglas-fir, Site index and height growth curves for managed, even-aged stands of Douglas-fir east of the Cascades in Oregon and Washington, USDA Forest Service, Pacific Northwest Research Station PNW-RP-251. Cochran 1979
No	121	770	Brickell 1968 (770)	A method for construction of site index curves from measurements of total tree age and height. USDA For. Serv. Res. Pap. INT-47 Intermt. For. And Range Exp. Stn. Brickell, J.E. 1968
No	122	771	Monserud 1985 (771)	Black walnut plantations—shallow flood plains, Monserud 1985
No	123	775	Edminster and Jump 1976 (775)	Rocky Mountain Douglas-fir, Site index curves for Douglas-fir in New Mexico, Rocky Mountain Forest and Range Experiment Station. Edminster Carleton B.; Jump, Lewis H 1976
No	124	811	DeLasaux, Pillsbury 1987 (811)	Site index and Yield Equationsfor Blue Oak and Coast Live Oak. USDA For. ServoGen. Tech. Rep PSW-100, Berkeley, CA. Delasaux, M.J. and N. H. Pillsbury, 1987.
No	125	802	McQuilkin 1974, 1978 (802)	How to estimate site index for oaks in the Missouri Ozarks. Unnumbered publication. St. Paul, MN: U.S. Department of Agriculture, Forest Service, North Central Forest Experiment Station. McQuilkin, Robert A. 1978.
No	126	803	Graney, Bower 1971 (803)	White oak, Graney, Bower 1971
No	127	804	Carmean 1971, 1972 (804)	White oak Unglaciaded uplands of southeastern Ohio, Eastern Kentucky, southern Indiana, southern Illinois, and southern Missouri Carmean 1971, 1972
No	128	805	Carmean 1971, 1972 (805)	Scarlet oak Unglaciaded uplands of southeastern Ohio, Eastern Kentucky, southern Indiana, southern Illinois, and southern Missouri Carmean 1971, 1972
No	129	880	Powers 1972 (880)	California Black Oak. Site Index Curves for Unmanaged Stands of California Black Oak. Res. Note PSW-262. Powers, R.F. 1972.
No	130	840	Broadfoot 1961 (840)	Cherrybark oak, Broadfoot 1961
No	131	812	Sauerwein 1983 (812)	Oregon White oak, OR, WA, CA, West National Technical Center Tech Note Forestry No. 15. Sauerwein 1983
No	132	806	Carmean 1971, 1972 (806)	Chestnut oak Unglaciaded uplands of southeastern Ohio, Eastern Kentucky, southern Indiana, southern Illinois, and southern Missouri Carmean 1971, 1972
No	133	801	Grane, Bower 1971 (801)	Northern Red oak and Black oak, Graney, Bower 1971

Obsolete?	ID	Data Entry Text	Label Text	Description
No	134	807	Carmean 1978 (807)	Upland Oaks, Carmean 1978
No	135	800	Gevorkiantz 1957f (800)	Eastern white pine, Gevorkiantz 1957f
No	136	810	Olson 1959 (810)	upland oaks Virginia-Carolina Piedmont and northern Appalachian Mountains, Olson 1959
No	137	860	Broadfoot 1963 (860)	Laurel oak, Overcup oak, Swamp Chestnut oak, Water oak, Nuttall oak, Pin oak, Willow oak, Shumard's oak, Broadfoot 1963
No	138	808	Carmean 1971, 1972 (808)	Black oak Unglaciaded uplands of southeastern Ohio, Eastern Kentucky, southern Indiana, southern Illinois, and southern Missouri Carmean 1971, 1972
No	139	900	Kellogg 1939b (900)	Black locust, entire range: Site index curves for plantation black locust, Central States region. USDA, Forest Service. Central States Forest Experiment Station Note 36. Kellogg 1939b
No	140	930	Lindquist, Palley 1963 (930)	Redwood, Empirical yield tables for young-growth redwood. Calif. Ag. Exp. Sta. Bull. 796. Lindquist, Palley 1963
No	141	809	Carmean 1978 (809)	American basswood, Carmean 1978
No	142	991	Frothingham 1915 (991)	Eastern hemlock, Frothingham 1915
No	143	990	Barnes 1962 (990)	Western hemlock, entire range, Yield of Even-Aged Stands of Western Hemlock Tech Bulletin No. 1273. Barnes 1962
No	144	995	Wiley 1978 (995)	Western hemlock, Western WA, Site index tables for western hemlock in the Pacific Northwest. Weyerhaeuser For. Pap. 17. Wiley 1978
No	145	615	Biging and Wensel 1984 (615)	Site Index Equations for Young Growth Mixed Conifers of Northern California. Northern Calif. Forest Yield Cooperative, University of Calif. Berkeley Research Note No. 8. Biging and Wensel 1984
No	147	960	Gevorkiantz 1957g (960)	White spruce, Gevorkiantz 1957g
No	148	935	Krumland, Wensel 1986 (935)	A Site Index System for Redwood and Douglas-fir in California's North Coast Forest. Univ. Calif. Agric. Exp. Sta., Hilgardia 54:1-14. Wensel, L. C. and B. Krumland 1986.
No	149	525	Hegyi, Jelinek, Carpenter 100TA 1979 (525)	Site index equations and curves for the major tree species in British Columbia. Inventory Branch, B.C. Ministry of Forests, Forest Inventory Report No. 1. Hegyi, F., J. Jelinek, and D.B. Carpenter. 1979
No	150	970	Kurucz 50BH, 1978 (970)	Preliminary, polymorphic site index curves for western redcedar - Thuja plicata Donn - in coastal British Columbia. For. Res. Note 3. Vancouver, BC: Kurucz, J. F. 1978.
No	151	9999	Unknown curve	Unknown

Obsolete?	ID	Data Entry Text	Label Text	Description
No	152 037		Mathiasen, Olsen, Edminster 2006 (037)	Site index curves for white fir in the southwestern United States developed using a guide curve method. Western journal of applied forestry. 21(2): 87-93. Mathiasen, Robert L.; Olsen, William K.; Edminster, Carleton B. 2006.
No	153 575		Curtis, Diaz, Clendenen 1990 (575)	Height growth and site index curves for western white pine in the Cascade Range of Washington and Oregon. Curtis, R.O., Diaz, N.M. 1990
No	154 576		Curtis, Diaz, Clendenen 1990 (576)	Height growth and site index curves for western white pine in the Cascade Range of Washington and Oregon. Curtis, R.O., Diaz, N.M. 1990
No	155 625		Brickell 1970	Equations and computer subroutines for estimating site quality of eight Rocky Mountain species. Res. Pap. INT-75. Ogden, UT: U.S. Department of Agriculture, Forest Service, Intermountain Forest and Range Experiment Station. Brickell, J.E. 1970
No	156 602		Lynch 1958 (602)	Effects of stocking on site measurement and yield of second growth ponderosa pine in the inland empire. USDA For. Serv. Intermtn. For. Range Exp. Sta. Res. Pap. 56. Lynch, D. W. 1958.
No	157 460		Rosner 2004 (460)	Growth and yield of black spruce, <i>Picea mariana</i> (Mill.) B.S.P., in Alaska. M.Sc. thesis, University of Alaska, Fairbanks, Alaska. Rosner, C. 2004.
No	158 461		Quenet, Manning 1990 (461)	Site index equations for black spruce and white spruce in the Yukon. Forestry Canada, Pacific Forestry Centre, Victoria, BC. Information Report BC-X-317. Quenet, R.V.; Manning, G.H. 1990
Yes	6 031		Cochran 1979a (031)	Douglas-fir, East of the Cascades in Oregon and Washington, Site Index and Height Growth Curves for Managed, Even-Aged Stands of Douglas-fir East of the Cascades in Oregon and Washington. R.P. PNY-251. Cochran 1979
Yes	65 410		Brickell 1966 (410) (obsolete)	Engelmann spruce, Site Index for Engelmann Spruce. R.P. RM-32. Alexander, R.R. 1967 (obsolete)
Yes	146 780		Curtis, Herman, DeMars 1974 (780) (obsolete)	Douglas-fir, Height Growth and Site Index for Douglas-fir in High Elevation Forests of the Oregon - Washington Cascades. Forest Science. Vol. 20, No. 4. Curtis, R.O., F.R. Herman, D.J. DeMars. 1974. (obsolete)

Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: site\_observation\_text\_kind

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	site observation, formatted	Site observation, formatted	A formatted note written at the time of describing a site, pedon. or horizon. This note may be included into the pedon description report.
No	2	site observation, unformatted	Site observation, unformatted	A free-form note written at the time of describing a site, pedon. or horizon.
No	3	miscellaneous notes	Miscellaneous notes	No description available.
No	4	correlation notes	Correlation notes	No description available.
No	5	windows pedon import issue	Windows Pedon import issue	No description available.
No	6	installation metadata	Installation metadata	Text note describing the methodology used during installation of monitoring equipment.
No	7	instrumentation type	Instrumentation type	Text note describing the type of sensor used.
No	8	sensor history	Sensor history	Text note describing the history of the sensor.

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Domain Description: The kind of text note used to record additional information about the site observation.



## NASIS 7.4.2 Domains

Domain Name: site\_text\_kind

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	site note, formatted	Site note, formatted	A formatted note written at the time of describing a site, pedon. or horizon. This note may be included into the pedon description report.
No	2	site note, unformatted	Site note, unformatted	A free-form note written at the time of describing a site, pedon. or horizon.
No	3	miscellaneous notes	Miscellaneous notes	No description available.
No	4	correlation notes	Correlation notes	No description available.
No	5	conversion problem	Conversion problem	Note related to a problem on converting data from PDP system to NASIS.
No	6	pedon conversion	Pedon conversion	No description available.
No	7	windows pedon import issue	Windows Pedon import issue	No description available.

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Domain Description: The kind of text note used to record additional information about the site.

## NASIS 7.4.2 Domains

Domain Name: slope\_complexity

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	complex	complex	Groups of slopes that have definite breaks in several different directions and in most cases markedly different slope gradients within the areas delineated.
No	2	simple	simple	The surface of the landform consists of fairly uniform slope gradients, breaking in dominantly one direction.

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Domain Description: Describes the relative uniformity (smooth linear or curvilinear=simple or S) or irregularity (complex or C) of the ground surface leading downslope through the point of interest. Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012

## NASIS 7.4.2 Domains

Domain Name: slope\_segment

Obsolete?	ID	Data Entry Text	Label Text	Description
No	3	lower third	on lower third	No description available.
No	4	middle third	on middle third	No description available.
No	7	upper third	on upper third	No description available.
Yes	1	depression	in a depression	No description available.
Yes	2	drainageway	in a drainageway	No description available.
Yes	5	depression on a slope	on a slope and in a depression	No description available.
Yes	6	on a slope	on a slope (unspecified)	No description available.
Yes	8	on the crest	on the crest	No description available.
Yes	9	on slope and crest	on a slope and on the crest	No description available.

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Domain Description: Is used in describing segments of long slopes. Describes the relative slope location of the area of interest. Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012

## NASIS 7.4.2 Domains

Domain Name: slope\_shape

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	concave	Concave	Up & Down Slope: A slope segment of the land surface whose slope gradient increases up the slope and decreases down the slope, and runoff tends to decelerate as it flows down the slope. In cross-sectional profile, the surface bows downward. Across Slope: A lateral slope segment of the land surface that bows inward along the contour which causes runoff to concentrate towards the middle. From an aerial perspective, the line bows into the slope.
No	2	convex	Convex	Up & Down Slope: A slope segment of the land surface whose slope gradient decreases up the slope and increases down the slope, and runoff tends to accelerate as it flows down the slope. In cross-sectional profile, the surface bows upward. Across Slope: A lateral slope segment of the land surface that bows outward along the contour, which causes runoff to spread out away from the middle. From an aerial perspective, the line bows out, away from the slope.
No	3	linear	Linear	Up & Down Slope: A slope segment of the land surface whos slope gradient is approximately constant and across which runoff neither accelerates nor decelerates as it flows down the slope. In cross-sectional profile the surface appears dominantly as a straight line. Across Slope: A lateral slope segment of the land surface that is dominantly a straight line as observed along the contour, which causes predominantly parallel surface water flow.
Yes	4	undulating	Undulating	No description available.
Yes	5	complex	Complex	No description available.

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Domain Description: The geometric, two dimensional profile (shape) of the slope either parallel or perpendicular to the elevation contours.

## NASIS 7.4.2 Domains

Domain Name: sociability\_class

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	growing solitarily	Growing solitarily	Individual plants exist as scattered single plants.
No	2	small group or clump	Small group or clump	Individual plants exist as a small group or clump of plants.
No	3	small patches	Small patches	Plants exist in small pathces.
No	4	large patches	Large patches	Plants exist in large patches.
No	5	near pure stand	Near pure stand	Plants exist as a nearly pure stand within the sample area.

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Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: soil\_compaction

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	slight	Slight	No description available.
No	2	moderate	Moderate	No description available.
No	3	severe	Severe	No description available.

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Domain Description: Relative class of compaction of the soil resource.

## NASIS 7.4.2 Domains

Domain Name: soil\_crusting

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	slight	Slight	No description available.
No	2	moderate	Moderate	No description available.
No	3	severe	Severe	No description available.

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Domain Description: Relative class of crusting of the soil at the sample site.

## NASIS 7.4.2 Domains

Domain Name: soil\_degradation

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	slight	Slight	No description available.
No	2	moderate	Moderate	No description available.
No	3	severe	Severe	No description available.

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Domain Description: Relative class of degradation of the soil resource.



## NASIS 7.4.2 Domains

Domain Name: soil\_entity\_type

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	pedon data	Pedon Data	No description available.
No	2	aggregated data	Aggregated Data	No description available.
No	3	series data	Series Data	No description available.
No	4	dynamic domain	Dynamic Domain	No description available.
No	5	data dictionary	Data Dictionary	No description available.
No	6	project and tss	Project and TSS	No description available.
No	7	system related	System Related	No description available.
No	8	eco site inventory	Eco Site Inventory	No description available.
No	9	site data	Site Data	No description available.
No	10	pedon lab data	Pedon Lab Data	No description available.
No	11	replication related	Replication Related	No description available.
No	12	ssurgo export related	SSURGO Export Related	No description available.
No	13	interp generation related	Interp Generation Related	No description available.

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Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: soil\_erosibility\_factor

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	.02	.02	References: Soil Survey Manual, Agricultural Handbook No. 18, Soil Survey Staff, USDA, Natural Resources Conservation Service. National Soil Survey Handbook, Part 618.58 Soil Erodibility Factors, USLE, RUSLE2. Agricultural Handbook 703, ARS 1997.
No	2	.05	.05	References: Soil Survey Manual, Agricultural Handbook No. 18, Soil Survey Staff, USDA, Natural Resources Conservation Service. National Soil Survey Handbook, Part 618.58 Soil Erodibility Factors, USLE, RUSLE2. Agricultural Handbook 703, ARS 1997.
No	3	.10	.10	References: Soil Survey Manual, Agricultural Handbook No. 18, Soil Survey Staff, USDA, Natural Resources Conservation Service. National Soil Survey Handbook, Part 618.58 Soil Erodibility Factors, USLE, RUSLE2. Agricultural Handbook 703, ARS 1997.
No	4	.15	.15	References: Soil Survey Manual, Agricultural Handbook No. 18, Soil Survey Staff, USDA, Natural Resources Conservation Service. National Soil Survey Handbook, Part 618.58 Soil Erodibility Factors, USLE, RUSLE2. Agricultural Handbook 703, ARS 1997.
No	5	.17	.17	References: Soil Survey Manual, Agricultural Handbook No. 18, Soil Survey Staff, USDA, Natural Resources Conservation Service. National Soil Survey Handbook, Part 618.58 Soil Erodibility Factors, USLE, RUSLE2. Agricultural Handbook 703, ARS 1997.
No	6	.20	.20	References: Soil Survey Manual, Agricultural Handbook No. 18, Soil Survey Staff, USDA, Natural Resources Conservation Service. National Soil Survey Handbook, Part 618.58 Soil Erodibility Factors, USLE, RUSLE2. Agricultural Handbook 703, ARS 1997.
No	7	.24	.24	References: Soil Survey Manual, Agricultural Handbook No. 18, Soil Survey Staff, USDA, Natural Resources Conservation Service. National Soil Survey Handbook, Part 618.58 Soil Erodibility Factors, USLE, RUSLE2. Agricultural Handbook 703, ARS 1997.
No	8	.28	.28	References: Soil Survey Manual, Agricultural Handbook No. 18, Soil Survey Staff, USDA, Natural Resources Conservation Service. National Soil Survey Handbook, Part 618.58 Soil Erodibility Factors, USLE, RUSLE2. Agricultural Handbook 703, ARS 1997.
No	9	.32	.32	References: Soil Survey Manual, Agricultural Handbook No. 18, Soil Survey Staff, USDA, Natural Resources Conservation Service. National Soil Survey Handbook, Part 618.58 Soil Erodibility Factors, USLE, RUSLE2. Agricultural Handbook 703, ARS 1997.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	10	.37	.37	References: Soil Survey Manual, Agricultural Handbook No. 18, Soil Survey Staff, USDA, Natural Resources Conservation Service. National Soil Survey Handbook, Part 618.58 Soil Erodibility Factors, USLE, RUSLE2. Agricultural Handbook 703, ARS 1997.
No	11	.43	.43	References: Soil Survey Manual, Agricultural Handbook No. 18, Soil Survey Staff, USDA, Natural Resources Conservation Service. National Soil Survey Handbook, Part 618.58 Soil Erodibility Factors, USLE, RUSLE2. Agricultural Handbook 703, ARS 1997.
No	12	.49	.49	References: Soil Survey Manual, Agricultural Handbook No. 18, Soil Survey Staff, USDA, Natural Resources Conservation Service. National Soil Survey Handbook, Part 618.58 Soil Erodibility Factors, USLE, RUSLE2. Agricultural Handbook 703, ARS 1997.
No	13	.55	.55	References: Soil Survey Manual, Agricultural Handbook No. 18, Soil Survey Staff, USDA, Natural Resources Conservation Service. National Soil Survey Handbook, Part 618.58 Soil Erodibility Factors, USLE, RUSLE2. Agricultural Handbook 703, ARS 1997.
No	14	.64	.64	References: Soil Survey Manual, Agricultural Handbook No. 18, Soil Survey Staff, USDA, Natural Resources Conservation Service. National Soil Survey Handbook, Part 618.58 Soil Erodibility Factors, USLE, RUSLE2. Agricultural Handbook 703, ARS 1997.

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Domain Description: Represents the combined effect of susceptibility of soil to detachment, transportability of the sediment, and the amount and rate of runoff per unit rainfall erosivity for unit plot conditions.

## NASIS 7.4.2 Domains

Domain Name: soil\_moisture\_sensor\_kind

Obsolete?	ID	Data Entry Text	Label Text	Description
No	3	hydra probe analog	Hydra Probe analog	Hydra Probe Analog by Stevens Water Monitoring Systems Inc.
No	4	hydra probe II sdi-12	Hydra Probe II SDI-12	Hydra Probe II SDI-12 by Stevens Water Monitoring Systems Inc.
No	7	watermark	Watermark	Watermark by Soil Moisture Equipment
No	15	coleman	Coleman	Coleman by Soil Moisture Equipment
No	16	s-smc-m005	S-SMC-M005	S-SMC-M005 by Onset.
No	17	cS650	CS650	CS650 by Campbell Scientific, Inc.
No	18	global water data logger w16s	Global Water Data Logger WL16S	By Global Water. Serial connector.
No	19	global water data logger w16u	Global Water Data Logger WL16U	By Global Water. USB connection.
No	20	global water data logger w15	Global Water Data Logger WL15	By Global Water.
No	21	global water data logger w16	Global Water Data Logger WL16	By Global Water.
No	22	decagon ec-5	Decagon EC-5	By Decagon Devices.
No	23	decagon 5tm	Decagon 5TM	By Decagon Devices.
No	24	infinities usa	Infinities USA	Infinities USA: The Pressure Water Level Data Logger electronically measures, using a built-in pressure sensor, and digitally records 3,906 water level readings. 1648 Taylor Road, #139, Port Orange, Florida 32128 Call Toll Free 1-888-808-5488 infinitiesusa@hotmail.com Used in at least MLRA SSO 3-FRE. Looks like it is used for Subaqueous Soils.
No	25	solinst 3001 levellogger edge	Solinst 3001 Levellogger Edge	The Levellogger Edge records highly accurate groundwater and surface water level and temperature measurements. Solinst Canada Ltd 35 Todd Road, Georgetown, Ontario, Canada L7G 4R8 800-661-2023 www.solinst.com instruments@solinst.com Used in MLRA SSO 3-NEW
No	26	global water data logger w15x-015	Global Water Data Logger WL15X-015	By Global Water. Used in MLRA SSO 3-RHI.
Yes	1	campbell scientific	Campbell Scientific	No description available.
Yes	2	dynamax	Dynamax	No description available.
Yes	5	aquaflex	Aquaflex	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	6	tdr 300	TDR 300	TDR 300 by Spectrum.
Yes	8	vitel hydra probe	Vitel Hydra Probe	Vitel Hydra Probe by Stevens Water
Yes	9	echo probe	Echo Probe	Echo Probe by Onset
Yes	10	theta probe	Theta Probe	Theta Probe by Delta T.
Yes	11	sentry 200ap	Sentry 200ap	Sentry 200ap by Troxler
Yes	12	tektronix	Tektronix	No description available.
Yes	13	soil moisture equipment	Soil Moisture Equipment	No description available.
Yes	14	trime	Trime	Trime by IMKO

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Domain Description: The name of the kind of sensor used to measure soil moisture conditions.

## NASIS 7.4.2 Domains

Domain Name: soil\_moisture\_status

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	dry	Dry	>1500 kPa (>15 bar) suction
No	2	moist	Moist	=<1500 to 0.01 kPa ( =<15 bar to 0.00001 bar) suction.
No	4	wet	Wet	<0.01 kPa ( <0.00001 bar) suction; free water present (satiated wet).
Yes	3	saturation	Saturation from capillary fringe	No description available.
Yes	5	frozen	Frozen	No description available.

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Domain Description: Soil moisture class based on the range of kilo pascals of suction.

## NASIS 7.4.2 Domains

Domain Name: soil\_odor

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	none	None	no odor detected
No	2	petrochemical	Petrochemical	The presence (smell) of gaseous or liquid gasoline, oil, creosote, etc.
No	3	sulfurous	Sulfurous	Presence of H <sub>2</sub> S (hydrogen sulfide); rotten eggs; commonly associated with strongly reduced soil containing sulfur compounds.

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Domain Description: Record the Kind and relative Intensity of odor (by horizon) immediately after soil is exposed to air. Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012

## NASIS 7.4.2 Domains

Domain Name: soil\_odor\_intensity

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	slight	Slight	Odor is faint (e.g., only detected when some of the sample is brought close to the nose).
No	2	moderate	Moderate	Odor is readily noticeable at arms length as one handles the material (e.g., intermediate intensity); only detected as one starts to dig into the sample.
No	3	strong	Strong	Odor is quite intense and readily detected before or immediately after the sample is exposed to air.

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Domain Description: Estimate and record the relative intensity of any odor present. Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012



## NASIS 7.4.2 Domains

Domain Name: soil\_redistribution\_class

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	class 0	Class 0	No evidence of erosion or deposition.
No	2	class 1	Class 1	Very slight soil redistribution. No noticeable thinning of the soil surface and soil movement occurs within a matrix of vegetated/stable soil.
No	3	class 2	Class 2	Patchy, slight (<5cm) soil loss and deposition. The soil surface is thinned in discrete patches within a matrix of vegetated/stable soil. Sediment source may be on or off the plot.
No	4	class 3a	Class 3a	Extensive, moderate soil loss (<10cm). Noticeable thinning of the soil surface across the plot, with or without patches of stable soil or sediment accumulation. Patches of stable soil and sediment deposits are typically associated with persistent plants.
No	5	class 3b	Class 3b	Extensive, moderate soil redistribution (<10cm). Sediment deposits (<10cm thick) common across the plot from a sediment source off the plot. Sediment accumulation can be associated with erosion or redistribution of sediments suggesting that soil is currently moving into and out of the plot.
No	6	class 4a	Class 4a	Extensive, severe erosion (>10cm); little deposition. Plot is embedded in an extensive area of erosion.
No	7	class 4b	Class 4b	Extensive, severe erosion (>10cm) coupled with patchy sediment deposition. Plot is embedded in an extensive area of erosion and deposition.
No	8	class 4c	Class 4c	Extensive, severe sediment deposition (>10cm). Sedimentation continuous across plot. May be hard to detect without excavation. Sediments originate from off the plot.

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Domain Description: General class of pattern of resource redistribution used in monitoring soil change. Reference: Soil Change Guide: Procedures for Soil Survey and Resource Inventory v 1.1

## NASIS 7.4.2 Domains

Domain Name: soil\_slippage\_potential

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	low	Low	Low potential of slippage.
No	3	medium	Medium	Medium potential of slippage.
No	5	high	High	High potential of slippage.
Yes	2	moderately low	Moderately low	Moderately low hazzard of slippage.
Yes	4	moderately high	Moderately high	Moderately high hazard of slippage.

---

Domain Description: The hazard that a mass of soil will slip when vegetation is removed, soil water is at or near saturation, and other normal practices are applied.  
Reference: National Soil Survey Handbook.

## NASIS 7.4.2 Domains

Domain Name: soil\_stability\_class

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	class 1	Class 1	50% or more of structural integrity lost within 5 seconds of insertion in water, or soil is too unstable to sample (falls through sieve).
No	2	class 2	Class 2	50% or more of structural integrity lost within 5 - 30 seconds of insertion in water.
No	3	class 3	Class 3	More than 50% remains after 300 seconds, and <10% of soil remains on sieve after 5 dipping cycles.
No	4	class 4	Class 4	More than 50% remains after 300 seconds, and 10 - 25% of soil remains after 5 dipping cycles.
No	5	class 5	Class 5	More than 50% remains after 300 seconds, and 25 - 75% of soil remains after 5 dipping cycles.
No	6	class 6	Class 6	More than 50% remains after 300 seconds, and 75 - 100% of soil remains after 5 dipping cycles.

---

Domain Description: General class of aggregate stability. Soil aggregate stability is widely recognized as a key indicator of soil quality and rangeland health. Reference: Soil Aggregate Stability Kit - Joranada.pdf. Soil Survey Manual.

## NASIS 7.4.2 Domains

Domain Name: soil\_surface\_erosion

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	slight	Slight	No description available.
No	2	moderate	Moderate	No description available.
No	3	severe	Severe	No description available.

---

Domain Description: Relative class of soil surface erosion.

## NASIS 7.4.2 Domains

Domain Name: soil\_survey\_area\_status

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	out-of-date	Out-of-date	Soil survey area has a published report, but it no longer meets user needs; it requires extensive revision, as defined in NSSH Part 610.06.
No	2	published	Published	Soil survey area has been printed, or otherwise reproduced and issued by a Federal or State agency, and meets the current needs of users. Publication is defined as a traditional hard copy printed report, CD-ROM, web publication, or other media as agreed to by the National Cooperative Soil Survey cooperators in the memorandum of understanding.
No	3	nonproject	Nonproject	Soil survey area has neither the initial mapping complete nor a signed correlation document.
No	4	initial	Initial	Soil survey area has a signed Memorandum of Understanding and assigned staffing to complete the initial mapping and field documentation in 3 to 5 years.
No	5	extensive revision	Extensive revision	Soil Survey area has a published report that requires extensive revision, as defined in NSSH Part 610.06. The Director, Soil Survey Division, has approved the survey area for updating and republication, and the survey area has a signed memorandum of understanding and staffing to complete the fieldwork in 2 to 4 years.
No	6	update	Update	Soil survey area has a published report that requires some degree of revision (primarily to soil maps), as defined in NSSH Part 610.06. A comprehensive evaluation documents deficiencies for the entire survey area, and National Cooperative Soil Survey cooperators have agreed on the evaluation; staffing is assigned and other necessary resources are available to complete all revisions within 2 years or less.
No	7	update needed	Update needed	Soil survey area has a published report that requires some degree of revision (primarily to soil maps), as defined in NSSH Part 610.06. A comprehensive evaluation documents deficiencies for the entire survey area, and National Cooperative Soil Survey cooperators have agreed on the evaluation; however available resources do not dictate immediate project activities and a change to Maintenance status.

---

Domain Description: The status at which the soil survey of an area is at at the time of record.

## NASIS 7.4.2 Domains

Domain Name: soil\_taxonomy\_edition

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	first edition	first edition	Reference: Keys to Soil Taxonomy First Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2	second edition	second edition	Reference: Keys to Soil Taxonomy Second Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3	third edition	third edition	Reference: Keys to Soil Taxonomy Third Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	4	fourth edition	fourth edition	Reference: Keys to Soil Taxonomy Fourth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	5	fifth edition	fifth edition	Reference: Keys to Soil Taxonomy Fifth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	6	sixth edition	sixth edition	Reference: Keys to Soil Taxonomy Sixth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	7	seventh edition	seventh edition	Reference: Keys to Soil Taxonomy Seventh Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	8	eighth edition	eighth edition	Reference: Keys to Soil Taxonomy Eighth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	9	ninth edition	ninth edition	Reference: Keys to Soil Taxonomy Ninth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	10	tenth edition	tenth edition	Reference: Keys to Soil Taxonomy Tenth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	11	eleventh edition	eleventh edition	Reference: Keys to Soil Taxonomy Eleventh Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	12	twelfth edition	twelfth edition	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	13	thirteenth edition	thirteenth edition	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

---

Domain Description: The edition of the Keys to Soil Taxonomy used to classify the soil.

## NASIS 7.4.2 Domains

Domain Name: soil\_temperature\_sensor\_kind

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	cs109	CS109	CS109 by Campbell Scientific Inc.
No	2	cs107	CS107	CS107 by Campbell Scientific Inc.
No	3	hydra probe analog	Hydra Probe analog	Hydra Probe Analog by Stevens Water Monitoring Systems Inc.
No	4	hydra probe II sdi-12	Hydra Probe II SDI-12	Hydra Probe II SDI-12 by Stevens Water Monitoring Systems Inc.
No	5	mrc probe	MRC Probe	MRC Probe by Measurement Research Corporation
No	6	s-tmb-m006	S-TMB-M006	S-TMB-M006 by Onset.
No	7	watermark	Watermark	Watermark by Soil Moisture Equipment
No	8	coleman	Coleman	Coleman by Soil Moisture Equipment
No	15	ts10	TS10	TS10 by Environ Data
No	17	decagon rt-1	Decagon RT-1	By Decagon Devices
No	18	hobo u23 pro v2	Hobo U23 Pro V2	Hobo by Onset
No	19	decagon 5tm	Decagon 5TM	By Decagon Devices
No	20	hobo pendant ua-001	Hobo Pendant UA-001	Hobo by Onset
No	22	hobo pendant ua-000-08	Hobo Pendant UA-000-08	Hobo pendant soil temperature probe. Used in MLRA SSO 3-HAM.
Yes	9	hobo	Hobo	hobo pendant ua-001
Yes	10	vitel hydra probe	Vitel Hydra Probe	Vitel Hydra Probe- Stevens Water
Yes	11	theta probe	Theta Probe	Theta Probe by Delta T.
Yes	12	qmt103	QMT103	QMT103 by Vaisal
Yes	13	tt-103r-w	TT-103R-W	TT-103R-W by Texas Electronics.
Yes	14	sto1	ST01	ST01 by Hukselux
Yes	16	t300	T300	T300 by Aquaterrinstrument

Domain Description: The name of the kind of sensor used to measure soil temperature.

## NASIS 7.4.2 Domains

Domain Name: soil\_type\_conversion

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	0.95	Sands and Gravel - 7 cm	No description available.
No	2	0.80	Loams - 7 cm	No description available.
No	3	0.60	Clay and Heavy Clay Loams - 7 cm	No description available.
No	4	0.99	Sands and Gravel - 15 cm	No description available.
No	5	0.94	Loams - 15 cm	No description available.
No	6	0.88	Clay and Heavy Clay Loams - 15 cm	No description available.

---

Domain Description: 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 |9.88 | |=====| Ref: Cornell Sprinkle Infiltrometer Manual.



## NASIS 7.4.2 Domains

Domain Name: sort\_direction

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	ascending	Ascending	No description available.
No	2	descending	Descending	No description available.

---

Domain Description: The direction in which a column in NASIS is sorted. Either ascending or descending.

## NASIS 7.4.2 Domains

Domain Name: sort\_type

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	data type default	Data Type Default	No description available.
No	2	lexigraphical	Lexigraphical	No description available.
No	3	num/lex/num	Numeric/Lexigraphical/Numeric	No description available.

---

Domain Description: The kind of sort, i.e. lexigraphic, numeric, or some combination thereof.

## NASIS 7.4.2 Domains

Domain Name: species\_condition

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	good	Good	Leaves (or needles) are normal in color and growth. Small amounts of dead wood (top, branches, and twigs) occur within the live crowns. Evidence of disease, insect, and climatic damage is limited. Little or no evidence of suppression or stagnation.
No	2	fair	Fair	Leaves (or needles) are normal in color and growth. Substantial amounts of dead wood (top, branches, and twigs) occur within the live crowns. Evidence of disease, insect, and climatic damage is obvious. There is evidence of suppression or stagnation. Current-year growth obviously less than normal for the species.
No	3	poor	Poor	Leaves (or needles) are very abnormal in color and growth. Very large amounts of dead wood (top, branches, and twigs) occur within the live crowns. Evidence of extensive disease, insect, and climatic damage is obvious. There is evidence of severe suppression or stagnation. Current-year growth is negligible.
No	4	dead	Dead	Plants in the row are dead.
No	5	none	None	No description available.

---

Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: state\_alpha\_fips\_code

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	AK	AK	No description available.
No	2	AL	AL	No description available.
No	3	AS	AS	No description available.
No	4	AR	AR	No description available.
No	5	AZ	AZ	No description available.
No	6	CA	CA	No description available.
No	7	CO	CO	No description available.
No	8	CT	CT	No description available.
No	9	CZ	CZ	No description available.
No	10	DC	DC	No description available.
No	11	DE	DE	No description available.
No	12	FL	FL	No description available.
No	13	FM	FM	No description available.
No	14	FN	FN	No description available.
No	15	GA	GA	No description available.
No	16	GU	GU	No description available.
No	17	HI	HI	No description available.
No	18	IA	IA	No description available.
No	19	ID	ID	No description available.
No	20	IL	IL	No description available.
No	21	IN	IN	No description available.
No	22	KS	KS	No description available.
No	23	KY	KY	No description available.
No	24	LA	LA	No description available.
No	25	MA	MA	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	26	MD	MD	No description available.
No	27	ME	ME	No description available.
No	28	MH	MH	No description available.
No	29	MI	MI	No description available.
No	30	MN	MN	No description available.
No	31	MO	MO	No description available.
No	32	MP	MP	No description available.
No	33	MS	MS	No description available.
No	34	MT	MT	No description available.
No	35	NC	NC	No description available.
No	36	ND	ND	No description available.
No	37	NE	NE	No description available.
No	38	NH	NH	No description available.
No	39	NJ	NJ	No description available.
No	40	NM	NM	No description available.
No	41	NV	NV	No description available.
No	42	NY	NY	No description available.
No	43	OH	OH	No description available.
No	44	OK	OK	No description available.
No	45	OR	OR	No description available.
No	46	PA	PA	No description available.
No	47	PR	PR	No description available.
No	48	PW	PW	No description available.
No	49	RI	RI	No description available.
No	50	SC	SC	No description available.
No	51	SD	SD	No description available.
No	52	TN	TN	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	53	TX	TX	No description available.
No	54	UM	UM	No description available.
No	55	UT	UT	No description available.
No	56	VA	VA	No description available.
No	57	VI	VI	No description available.
No	58	VT	VT	No description available.
No	59	WA	WA	No description available.
No	60	WI	WI	No description available.
No	61	WV	WV	No description available.
No	62	WY	WY	No description available.

---

Domain Description: Upper case two character alphabetic entry for state. Used in the Ecological Site table and Component table for the Forage\_Suitability\_Group\_State attribute.

## NASIS 7.4.2 Domains

Domain Name: state\_fips\_code\_alpha

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	ak	Alaska	No description available.
No	2	al	Alabama	No description available.
No	3	as	American Samoa	No description available.
No	4	ar	Arkansas	No description available.
No	5	az	Arizona	No description available.
No	6	ca	California	No description available.
No	7	co	Colorado	No description available.
No	8	ct	Connecticut	No description available.
No	9	cz	Canal Zone	No description available.
No	10	dc	District of Columbia	No description available.
No	11	de	Delaware	No description available.
No	12	fl	Florida	No description available.
No	13	fm	Federated States of Micronesia	No description available.
No	14	fn	Foreign	No description available.
No	15	ga	Georgia	No description available.
No	16	gu	Guam	No description available.
No	17	hi	Hawaii	No description available.
No	18	ia	Iowa	No description available.
No	19	id	Idaho	No description available.
No	20	il	Illinois	No description available.
No	21	in	Indiana	No description available.
No	22	ks	Kansas	No description available.
No	23	ky	Kentucky	No description available.
No	24	la	Louisiana	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	25	ma	Massachusetts	No description available.
No	26	md	Maryland	No description available.
No	27	me	Maine	No description available.
No	28	mh	Marshall Islands	No description available.
No	29	mi	Michigan	No description available.
No	30	mn	Minnesota	No description available.
No	31	mo	Missouri	No description available.
No	32	mp	Northern Mariana Islands	No description available.
No	33	ms	Mississippi	No description available.
No	34	mt	Montana	No description available.
No	35	nc	North Carolina	No description available.
No	36	nd	North Dakota	No description available.
No	37	ne	Nebraska	No description available.
No	38	nh	New Hampshire	No description available.
No	39	nj	New Jersey	No description available.
No	40	nm	New Mexico	No description available.
No	41	nv	Nevada	No description available.
No	42	ny	New York	No description available.
No	43	oh	Ohio	No description available.
No	44	ok	Oklahoma	No description available.
No	45	or	Oregon	No description available.
No	46	pa	Pennsylvania	No description available.
No	47	pr	Puerto Rico	No description available.
No	48	pw	Palau	No description available.
No	49	ri	Rhode Island	No description available.
No	50	sc	South Carolina	No description available.



Obsolete?	ID	Data Entry Text	Label Text	Description
No	51	sd	South Dakota	No description available.
No	52	tn	Tennessee	No description available.
No	53	tx	Texas	No description available.
No	54	um	U.S. Minor Outlying Islands	No description available.
No	55	ut	Utah	No description available.
No	56	va	Virginia	No description available.
No	57	vi	Virgin Islands	No description available.
No	58	vt	Vermont	No description available.
No	59	wa	Washington	No description available.
No	60	wi	Wisconsin	No description available.
No	61	wv	West Virginia	No description available.
No	62	wy	Wyoming	No description available.

---

Domain Description: Lower case two character alphabetic entry for state.

## NASIS 7.4.2 Domains

Domain Name: stickiness

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	moderately sticky	Moderately sticky	After release of pressure, soil material adheres to both digits and tends to stretch slightly rather than pull completely free from either digit.
No	2	nonsticky	Nonsticky	After release of pressure, practically no soil material adheres to the thumb or forefinger. (SSM)
No	3	slightly sticky	Slightly sticky	After release of pressure, soil material adheres perceptible to both digits. As the digits are separated, the material tends to come off one or the other rather cleanly. The material does not stretch appreciably on separation of the digits.
No	4	very sticky	Very sticky	After release of pressure, soil material adheres so strongly to both digits that it stretches decidedly when the digits are separated. Soil material remains on both digits.

---

Domain Description: The capacity of soil to adhere to other objects. Stickiness is estimated at the moisture content that displays the greatest adherence when pressed between thumb and forefinger. Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012

## NASIS 7.4.2 Domains

Domain Name: stocking\_rate

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	low	Low	No description available.
No	2	medium	Medium	No description available.
No	3	high	High	No description available.

---

Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: structure\_grade

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	weak	Weak	Individual soil units or aggregates are barely observable in place. When gently disturbed, the soil material parts into a mixture of whole and broken units and much material that exhibits no planes of weakness. (SSM)
No	2	moderate	Moderate	Individual soil units or aggregates are well formed and evident in undisturbed soil. When disturbed, the soil material parts into a mixture of mostly whole units, some broken units, and material not in units. (SSM)
No	3	strong	Strong	Individual soil units or aggregates are distinct in undisturbed soil. When removed, the soil material parts mainly into whole units. (SSM)
No	6	structureless	Structureless	No individual soil units or aggregates are observable, either in place or following disturbance. (SSM)
Yes	4	weak and moderate	Weak and moderate	No description available.
Yes	5	moderate and strong	Moderate and strong	No description available.
Yes	7	very strong	Very strong	No description available.

---

Domain Description: Grade describes the distinctness of units. Criteria are the ease of separation into discrete units and the proportion of units that hold together when the soil is handled. Reference: Soil Survey Manual.

## NASIS 7.4.2 Domains

Domain Name: structure\_size

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	coarse	Coarse	Granular: 5 to <10 mm Columnar or prismatic: 50 to <100mm Angular or subangular blocky: 20 to <50mm
No	3	fine	Fine	Granular: 1 to <2 mm Columnar or prismatic: 10 to <20 mm Angular or subangular blocky: 5 to <10 mm
No	6	medium	Medium	Granular or platy: 2 to <5 mm Columnar or prismatic: 20 to <50 mm Angular or subangular blocky: 10 to <20 mm
No	8	thick	Thick	5 to <10mm
No	9	thin	Thin	1 to <2mm
No	10	very coarse	Very coarse	Granular: =>10mm Columnar or prismatic: 100 to <500mm Angular or subangular blocky: =>50mm
No	11	very fine	Very fine	Granular or platy: <1 mm Columnar or prismatic: <10 mm Angular or subangular blocky: <5 mm
No	12	very thick	Very thick	=>10mm
No	13	very thin	Very thin	<1mm
No	14	extremely coarse	Extremely coarse	Granular: n/a Columnar or prismatic: =>500mm Angular or subangular blocky: n/a
Yes	2	coarse and very coarse	Coarse and very coarse	No description available.
Yes	4	very fine and fine	Very fine and fine	No description available.
Yes	5	fine and medium	Fine and medium	No description available.
Yes	7	medium and coarse	Medium and coarse	No description available.
Yes	15	extremely fine	Extremely fine	No description available.
Yes	16	fine to coarse	Fine to coarse	No description available.

---

Domain Description: Five classes are employed: very fine, fine, medium, coarse, and very coarse. The size limits of the classes differ according to the shape of the units. The size limits refer to the smallest dimension of plates, prisms, and columns. Reference: Soil Survey Manual.

## NASIS 7.4.2 Domains

Domain Name: structure\_type

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	angular blocky	Angular blocky	Polyhedrals with faces that intersect at sharp angles (planes).
No	2	cloddy	Cloddy	Irregular blocks created by artificial disturbance - i.e. tillage operations or compaction.
No	3	columnar	Columnar	Vertically elongated units with rounded tops which commonly are "bleached".
No	4	granular	Granular	Small polyhedrals with curved or very irregular faces.
No	6	massive	Massive	No structural units. Material is a coherent mass (not necessarily cemented).
No	7	platy	Platy	Flat or tabular-like units.
No	8	prismatic	Prismatic	Vertically elongated units with flat tops.
No	9	subangular blocky	Subangular blocky	Polyhedrals with sub-rounded and planar faces, lacking sharp angles.
No	10	single grain	Single grain	No structural units. Material is entirely noncoherent.
No	11	wedge	Wedge	Elliptical, interlocking lenses that terminate in acute angles, bounded by slickensides; not limited to vertic materials.
No	14	lenticular	Lenticular	Overlapping lenses oriented parallel to the soil surface which are thickest in the middle and thin towards the edges; commonly associated with moist soils, texture classes high in silt or very fine sand (e.g., silt loam), and high potential frost action.
Yes	5	lenticular platy	Lenticular platy	No description available.
Yes	12	blocky	Blocky	No description available.
Yes	13	crumb	Crumb	No description available.

---

Domain Description: The basic shape of a structural unit. Reference: Soil Survey Manual.

## NASIS 7.4.2 Domains

Domain Name: suppression\_degree

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	none	None	The crown is completely free to develop.
No	2	slight	Slight	Competition for light from the side has caused the crown to develop abnormally.
No	3	moderate	Moderate	Side competition and/or overtopping has caused abnormal top development and some apparent height loss (up to one-third of total height).
No	4	severe	Severe	Overtopping has resulted in a serious reduction in height growth (more than one-third of total height).

---

Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: surface\_water\_kind

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	ponded	ponded	Land surface is temporarily covered by standing water, as in a closed depression.
No	2	flooded	flooded	Land surface is temporarily covered by flowing water, as in overbank stream flow.
No	3	none observed	none observed	No surface water was observed at the time of field visit.
No	4	permanent	Permanent	Lasting (permanent) waterbody overlying subaqueous soils.

---

Domain Description: A descriptive phrase concerning the occurrence of water on the surface of the soil. Most often used when describing subaqueous soils (SAS), but could be used in any soil description.



## NASIS 7.4.2 Domains

Domain Name: table\_collection\_replication

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	selectable for replication	Selectable for Replication	Table collection is selectable for replication. Replicated columns in the root table should be indicated by setting the in_replication_select_list flag.
No	2	auto replication	Auto Replication	Table collection is auto replicated. Do not set any columns in the root table, in_replication_select_list flag.

---

Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: taxonomic\_family\_c\_e\_act\_class

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	not used	not used	No description available.
No	2	subactive	subactive	The CEC7 to clay ratio is less than 0.24.
No	3	semiactive	semiactive	The CEC7 to clay ratio is 0.24 to 0.40.
No	4	active	active	The CEC7 to clay ratio is 0.40 to 0.60.
No	5	superactive	superactive	The CEC7 to clay ratio is greater than or equal to 0.60.

---

Domain Description: Reference: Soil Taxonomy Second Edition, 1999, Soil Survey Staff.

## NASIS 7.4.2 Domains

Domain Name: taxonomic\_family\_haht\_mat\_class

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	araric	Araric	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2	artifactic	Artifactic	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3	ashifactic	Ashifactic	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	4	asphaltic	Asphaltic	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	5	combustic	Combustic	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	6	concretic	Concretic	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	7	dredgic	Dredgic	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	8	gypsifactic	Gypsifactic	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	9	methanogenic	Methanogenic	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	10	pauciartifactic	Pauciartifactic	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	11	pyrocarbonic	Pyrocarbonic	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	12	spolic	Spolic	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	13	not used	Not Used	No description available.

Domain Description: Reference: Soil Taxonomy Second Edition, 1999, Soil Survey Staff.

## NASIS 7.4.2 Domains

Domain Name: taxonomic\_family\_mineralogy

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	allitic	allitic	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3	carbonatic	carbonatic	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	4	coprogenous	coprogenous	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	6	diatomaceous earth	diatomaceous earth	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service Diatomaceous Earth A layer of diatomaceous earth is a limnic layer that: 1. If not previously dried, has a matrix color value of 3, 4, or 5, which changes irreversibly on drying as a result of the irreversible shrinkage of organic-matter coatings on diatoms (identifiable by microscopic, 440 X, examination of dry samples); and 2. Either yields a saturated sodium-pyrophosphate extract on white chromatographic or filter paper that has a color value of 8 or more and chroma of 2 or less or has a cation-exchange capacity of less than 240 cmol(+) per kg organic matter (measured by loss on ignition), or both.
No	7	ferrihumic	ferrihumic	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	8	ferritic	ferritic	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	9	ferruginous	ferruginous	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	10	gibbsitic	gibbsitic	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	11	glaucinitic	glaucinitic	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	12	gypsic	gypsic	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	13	halloysitic	halloysitic	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	14	illitic	illitic	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	16	kaolinitic	kaolinitic	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	17	marly	marly	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	18	micaceous	micaceous	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	20	mixed	mixed	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	26	siliceous	siliceous	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	28	sesquic	sesquic	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	29	vermiculitic	vermiculitic	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	34	not used	not used	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	35	amorphic	amorphic	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	36	ferrihydritic	ferrihydritic	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	37	glassy	glassy	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	38	isotic	isotic	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	39	magnesian	magnesian	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	41	parasesquic	parasesquic	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	42	smectitic	smectitic	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	43	hypergypsic	hypergypsic	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	44	anhydritic	anhydritic	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	45	opaline	opaline	Opaline 30 percent or more (by weight) diatoms, plant opal and sponge spicules in the fine-earth fraction. Opaline is being added as a new mineralogy choice/class for soil layers with a substitute particle-size class (except fragmental). Trudy could have just listed it in the spreadsheet as a new mineralogy. Opal can also be a nodule, concretion, coating, or sometimes a type of rock. Reference: Keys to Soil Taxonomy Thirteenth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
Yes	2	calcareous	calcareous	No description available.
Yes	5	chloritic	chloritic	No description available.
Yes	15	illitic (calcareous)	illitic (calcareous)	No description available.
Yes	19	micaceous (calcareous)	micaceous (calcareous)	No description available.
Yes	21	mixed (calcareous)	mixed (calcareous)	No description available.
Yes	22	montmorillonitic	montmorillonitic	No description available.
Yes	23	montmorillonitic (calcareous)	montmorillonitic (calcareous)	No description available.
Yes	24	oxidic	oxidic	No description available.
Yes	25	serpentinitic	serpentinitic	No description available.
Yes	27	siliceous (calcareous)	siliceous (calcareous)	No description available.
Yes	30	vermiculitic (calcareous)	vermiculitic (calcareous)	No description available.
Yes	31	unclassified	unclassified	No description available.
Yes	32	clastic	clastic	No description available.
Yes	33	sepiolitic	sepiolitic	No description available.
Yes	40	paramicaceous	paramicaceous	No description available.

Domain Description: Reference: Soil Taxonomy Second Edition, 1999, Soil Survey Staff.

## NASIS 7.4.2 Domains

Domain Name: taxonomic\_family\_other

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	not used	not used	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2	coated	coated	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3	cracked	cracked	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	4	micro	micro	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	5	ortstein	ortstein	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	6	shallow	shallow	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	8	uncoated	uncoated	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
Yes	7	sloping	sloping	No description available.
Yes	9	unclassified	unclassified	No description available.
Yes	10	level	level	No description available.
Yes	11	shallow and uncoated	shallow and uncoated	No description available.
Yes	12	shallow and coated	shallow and coated	No description available.
Yes	13	ortstein and shallow	ortstein and shallow	No description available.

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Domain Description: Reference: Soil Taxonomy Second Edition, 1999, Soil Survey Staff.

## NASIS 7.4.2 Domains

Domain Name: taxonomic\_family\_part\_size\_mod

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	aniso	aniso	This is used only to indicate that more than one pair of contrasting particle size families exist within the control section. (see Soil Taxonomy)
No	2	not used	not used	Used to indicate that the soil does not qualify as "aniso".
Yes	3	not aniso	not aniso	No description available.

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Domain Description: Reference: Soil Taxonomy Second Edition, 1999, Soil Survey Staff.



## NASIS 7.4.2 Domains

Domain Name: taxonomic\_family\_particle\_size

Obsolete?	ID	Data Entry Text	Label Text	Description
No	2	not used	not used	No description available.
No	3	cindery	cindery	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	5	ashy	ashy	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	6	cindery over loamy	cindery over loamy	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	7	ashy over pumiceous or cindery	ashy over pumiceous or cindery	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	8	ashy over loamy	ashy over loamy	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	9	ashy-skeletal	ashy-skeletal	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	10	medial	medial	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	11	medial-skeletal	medial-skeletal	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	12	medial over pumiceous or cindery	medial over pumiceous or cindery	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	13	ashy over loamy-skeletal	ashy over loamy-skeletal	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	14	medial over clayey	medial over clayey	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	15	cindery over medial-skeletal	cindery over medial-skeletal	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	16	medial over fragmental	medial over fragmental	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	17	cindery over medial	cindery over medial	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	18	medial over loamy	medial over loamy	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	19	ashy over medial	ashy over medial	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	20	medial over loamy-skeletal	medial over loamy-skeletal	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	21	ashy over sandy or sandy-skeletal	ashy over sandy or sandy-skeletal	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	22	medial over sandy or sandy-skeletal	medial over sandy or sandy-skeletal	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	30	sandy-skeletal	sandy-skeletal	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	31	sandy-skeletal over loamy	sandy-skeletal over loamy	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	33	loamy-skeletal	loamy-skeletal	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	34	loamy-skeletal over fragmental	loamy-skeletal over fragmental	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	35	loamy-skeletal over sandy or sandy-skeletal	loamy-skeletal over sandy or sandy-skeletal	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	36	loamy-skeletal over clayey	loamy-skeletal over clayey	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	38	clayey-skeletal	clayey-skeletal	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	39	clayey-skeletal over sandy or sandy-skeletal	clayey-skeletal over sandy or sandy-skeletal	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	40	sandy	sandy	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	41	sandy or sandy-skeletal	sandy or sandy-skeletal	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	42	sandy over loamy	sandy over loamy	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	43	sandy over clayey	sandy over clayey	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	44	loamy	loamy	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	45	loamy over sandy or sandy-skeletal	loamy over sandy or sandy-skeletal	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	46	coarse-loamy	coarse-loamy	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	47	coarse-loamy over fragmental	coarse-loamy over fragmental	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	48	coarse-loamy over sandy or sandy-skeletal	coarse-loamy over sandy or sandy-skeletal	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	49	coarse-loamy over clayey	coarse-loamy over clayey	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	50	coarse-silty	coarse-silty	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	52	coarse-silty over sandy or sandy-skeletal	coarse-silty over sandy or sandy-skeletal	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	53	coarse-silty over clayey	coarse-silty over clayey	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	54	fine-loamy	fine-loamy	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	55	loamy over pumiceous or cindery	loamy over pumiceous or cindery	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	56	fine-loamy over fragmental	fine-loamy over fragmental	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	57	fine-loamy over sandy or sandy-skeletal	fine-loamy over sandy or sandy-skeletal	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	58	fine-loamy over clayey	fine-loamy over clayey	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	59	fine-silty	fine-silty	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	60	fine-silty over fragmental	fine-silty over fragmental	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	61	fine-silty over sandy or sandy-skeletal	fine-silty over sandy or sandy-skeletal	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	62	fine-silty over clayey	fine-silty over clayey	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	63	clayey	clayey	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	64	clayey over fragmental	clayey over fragmental	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	65	clayey over sandy or sandy-skeletal	clayey over sandy or sandy-skeletal	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	66	clayey over loamy-skeletal	clayey over loamy-skeletal	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	68	clayey over loamy	clayey over loamy	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	69	fine	fine	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	70	very-fine	very-fine	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	71	hydrous	hydrous	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	72	hydrous-pumiceous	hydrous-pumiceous	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	73	hydrous-skeletal	hydrous-skeletal	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	74	hydrous over clayey	hydrous over clayey	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	75	hydrous over clayey-skeletal	hydrous over clayey-skeletal	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	76	hydrous over fragmental	hydrous over fragmental	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	77	hydrous over loamy	hydrous over loamy	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	78	hydrous over loamy-skeletal	hydrous over loamy-skeletal	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	79	hydrous over sandy or sandy-skeletal	hydrous over sandy or sandy-skeletal	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	80	ashy-pumiceous	ashy-pumiceous	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	81	ashy over medial-skeletal	ashy over medial-skeletal	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	82	medial-pumiceous	medial-pumiceous	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	83	medial over ashy	medial over ashy	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	84	medial over clayey-skeletal	medial over clayey-skeletal	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	85	medial over hydrous	medial over hydrous	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	86	pumiceous	pumiceous	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	87	pumiceous or ashy-pumiceous over sandy or sandy-skeletal	pumiceous or ashy-pumiceous over sandy or sandy-skeletal	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	88	pumiceous or ashy-pumiceous over loamy	pumiceous or ashy-pumiceous over loamy	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	89	pumiceous or ashy-pumiceous over medial-skeletal	pumiceous or ashy-pumiceous over medial-skeletal	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	90	pumiceous or ashy-pumiceous over medial	pumiceous or ashy-pumiceous over medial	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	91	fragmental	fragmental	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	92	ashy over clayey	ashy over clayey	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	93	ashy-skeletal over fragmental or cindery	ashy-skeletal over fragmental or cindery	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	94	medial-skeletal over fragmental or cindery	medial-skeletal over fragmental or cindery	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	95	ashy over clayey-skeletal	ashy over clayey-skeletal	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	96	loamy-skeletal over cindery	loamy-skeletal over cindery	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	97	medial over ashy-pumiceous or ashy-skeletal	medial over ashy-pumiceous or ashy-skeletal	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	98	ashy-skeletal over loamy-skeletal	ashy-skeletal over loamy-skeletal	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	99	loamy over ashy or ashy-pumiceous	loamy over ashy or ashy-pumiceous	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	100	medial-skeletal over loamy-skeletal	medial-skeletal over loamy-skeletal	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	101	ashy-skeletal over sandy or sandy-skeletal	ashy-skeletal over sandy or sandy-skeletal	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	102	medial-skeletal over sandy or sandy-skeletal	medial-skeletal over sandy or sandy-skeletal	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	103	pumiceous or ashy-pumiceous over loamy-skeletal	pumiceous or ashy-pumiceous over loamy-skeletal	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	104	gypseous-skeletal	gypseous-skeletal	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	105	coarse-gypseous	coarse-gypseous	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	106	fine-gypseous	fine-gypseous	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	107	ashy-skeletal over clayey	ashy-skeletal over clayey	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	108	clayey over coarse-gypseous	clayey over coarse-gypseous	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	109	clayey over fine-gypseous	clayey over fine-gypseous	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	110	clayey over gypseous-skeletal	clayey over gypseous-skeletal	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	111	loamy over coarse-gypseous	loamy over coarse-gypseous	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	112	loamy over fine-gypseous	loamy over fine-gypseous	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	113	loamy-skeletal over gypseous-skeletal	loamy-skeletal over gypseous-skeletal	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
Yes	1	unclassified	unclassified	No description available.
Yes	4	cindery over sandy or sandy-skeletal	cindery over sandy or sandy-skeletal	No description available.
Yes	23	medial over thixotropic	medial over thixotropic	No description available.
Yes	24	thixotropic	thixotropic	No description available.
Yes	25	thixotropic-skeletal	thixotropic-skeletal	No description available.
Yes	26	thixotropic over fragmental	thixotropic over fragmental	No description available.
Yes	27	thixotropic over sandy or sandy-skeletal	thixotropic over sandy or sandy-skeletal	No description available.
Yes	28	thixotropic over loamy-skeletal	thixotropic over loamy-skeletal	No description available.
Yes	29	thixotropic over loamy	thixotropic over loamy	No description available.
Yes	32	sandy-skeletal over clayey	sandy-skeletal over clayey	No description available.
Yes	37	loamy-skeletal or clayey-skeletal	loamy-skeletal or clayey-skeletal	No description available.
Yes	51	coarse-silty over fragmental	coarse-silty over fragmental	No description available.
Yes	67	clayey over fine-silty	clayey over fine-silty	No description available.

Domain Description: Reference: Soil Taxonomy Second Edition, 1999, Soil Survey Staff.

## NASIS 7.4.2 Domains

Domain Name: taxonomic\_family\_reaction

Obsolete?	ID	Data Entry Text	Label Text	Description
No	2	not used	not used	No description available.
No	3	acid	acid	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	4	allic	allic	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	5	dysic	dysic	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	6	euic	euic	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	7	nonacid	nonacid	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	9	calcareous	calcareous	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	10	kalkic	kalkic	Histosols that have field reaction (effervescence) with dilute HCl (indicative of secondary carbonates) throughout the surface tier. Reference: Keys to Soil Taxonomy Thirteenth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service.
Yes	1	unclassified	unclassified	No description available.
Yes	8	noncalcareous	noncalcareous	No description available.

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Domain Description: Reference: Soil Taxonomy Second Edition, 1999, Soil Survey Staff.



## NASIS 7.4.2 Domains

Domain Name: taxonomic\_family\_temp\_class

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	frigid	frigid	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2	hyperthermic	hyperthermic	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3	isofrigid	isofrigid	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	4	isohyperthermic	isohyperthermic	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	5	isomesic	isomesic	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	6	isothermic	isothermic	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	7	mesic	mesic	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	8	thermic	thermic	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	9	not used	not used	No description available.
No	11	hypergelic	hypergelic	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	12	pergelic	pergelic	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	13	subgelic	subgelic	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
Yes	10	unclassified	unclassified	No description available.

Domain Description: Reference: Soil Taxonomy Second Edition, 1999, Soil Survey Staff.

## NASIS 7.4.2 Domains

Domain Name: taxonomic\_grat\_group

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	albaqualfs	Albaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2	duraqualfs	Duraqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3	fragiaqualfs	Fragiaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	4	glossaqualfs	Glossaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	5	kandiaqualfs	Kandiaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	6	natraqualfs	Natraqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	8	plinthaqualfs	Plinthaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	18	ferrudalfs	Ferrudalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	19	fragiudalfs	Fragiudalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	20	fraglossudalfs	Fraglossudalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	21	glossudalfs	Glossudalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	22	hapludalfs	Hapludalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	23	kandiudalfs	Kandiudalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	24	kanhapludalfs	Kanhapludalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	25	natrudalfs	Natrudalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	26	paleudalfs	Paleudalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	27	rhodudalfs	Rhodudalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	28	durustalfs	Durustalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	29	haplustalfs	Haplustalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	30	kandiustalfs	Kandiustalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	31	kanhaplustalfs	Kanhaplustalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	32	natrustalfs	Natrustalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	33	paleustalfs	Paleustalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	34	plinthustalfs	Plinthustalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	35	rhodustalfs	Rhodustalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	36	durixeralfs	Durixeralfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	37	fragixeralfs	Fragixeralfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	38	haploxeralfs	Haploxeralfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	39	natrixeralfs	Natrixeralfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	40	palexeralfs	Palexeralfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	41	plinthoxeralfs	Plinthoxeralfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	42	rhodoxeralfs	Rhodoxeralfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	43	cryaquands	Cryaquands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	44	duraquands	Duraquands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	46	melanaquands	Melanaquands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	47	placaquands	Placaquands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	48	vitraqands	Vitraqands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	49	fulvicryands	Fulvicryands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	51	haplocryands	Haplocryands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	52	hydrocryands	Hydrocryands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	53	melanocryands	Melanocryands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	54	vitricryands	Vitricryands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	55	vitritorrands	Vitritorrands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	56	durudands	Durudands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	57	fulvudands	Fulvudands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	58	hapludands	Hapludands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	59	hydrudands	Hydrudands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	60	melanudands	Melanudands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	61	placudands	Placudands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	62	durustands	Durustands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	63	haplustands	Haplustands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	64	udivitrands	Udivitrands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	65	ustivitrands	Ustivitrands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	66	haploxerands	Haploxerands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	67	melanoxerands	Melanoxerands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	68	vitrixerands	Vitrixerands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	70	haplargids	Haplargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	72	natrargids	Natrargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	73	paleargids	Paleargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	80	cryaquents	Cryaquents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	81	fluvaquents	Fluvaquents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	83	hydraquents	Hydraquents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	84	psammaquents	Psammaquents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	85	sulfaquents	Sulfaquents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	87	torriarents	Torriarents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	91	cryofluvents	Cryofluvents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	92	torrifuvents	Torrifuvents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	94	udifuvents	Udifuvents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	95	ustifuvents	Ustifuvents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	96	xerofluvents	Xerofluvents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	97	cryorthents	Cryorthents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	98	torriorthents	Torriorthents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	100	udorthents	Udorthents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	101	ustorthents	Ustorthents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	102	xerorthents	Xerorthents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	103	cryopsamments	Cryopsamments	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	104	quartzipsamments	Quartzipsamments	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	105	torripsamments	Torripsamments	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	107	udipsamments	Udipsamments	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	108	ustipsamments	Ustipsamments	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	109	xeropsamments	Xeropsamments	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	111	cryofibrists	Cryofibrists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	114	sphagnofibrists	Sphagnofibrists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	117	cryofolists	Cryofolists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	120	cryohemists	Cryohemists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	121	luvihemists	Luvihemists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	123	sulfihemists	Sulfihemists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	124	sulfohemists	Sulfohemists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	127	cryosaprists	Cryosaprists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	138	cryaquepts	Cryaquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	139	fragiaquepts	Fragiaquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	140	halaquepts	Halaquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	142	humaquepts	Humaquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	145	sulfaquepts	Sulfaquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	164	argialbolls	Argialbolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	165	natralbolls	Natralbolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	166	argiaquolls	Argiaquolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	167	calciaquolls	Calciaquolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	168	cryaquolls	Cryaquolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	169	duraquolls	Duraquolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	171	natraquolls	Natraquolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	180	argiudolls	Argiudolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	181	hapludolls	Hapludolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	182	paleudolls	Paleudolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	183	vermudolls	Vermudolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	184	argiustolls	Argiustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	185	calciustolls	Calciustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	186	durustolls	Durustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	187	haplustolls	Haplustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	188	natrustolls	Natrustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	189	paleustolls	Paleustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	190	vermustolls	Vermustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	191	argixerolls	Argixerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	192	calcixerolls	Calcixerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	193	durixerolls	Durixerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	194	haploxerolls	Haploxerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	195	natrixerolls	Natrixerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service



Obsolete?	ID	Data Entry Text	Label Text	Description
No	196	palexerolls	Palexerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	199	plinhaquox	Plinhaquox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	211	haploperox	Haploperox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	212	kandiperox	Kandiperox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	213	acrotorrox	Acrotorrox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	215	hapludox	Hapludox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	216	kandiudox	Kandiudox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	217	acrustox	Acrustox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	218	eustrustox	Eustrustox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	219	haplustox	Haplustox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	220	sombriustox	Sombriustox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	221	cryaquods	Cryaquods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	222	duraquods	Duraquods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	223	fragiaquods	Fragiaquods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	225	placaquods	Placaquods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	230	fragihumods	Fragihumods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	231	haplohumods	Haplohumods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	232	placohumods	Placohumods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	235	fragiorthods	Fragiorthods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	236	haplorthods	Haplorthods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	237	placorthods	Placorthods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	239	albaquults	Albaquults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	240	fragiaquults	Fragiaquults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	241	kandiaquults	Kandiaquults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	242	kanhaplaquults	Kanhaplaquults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	244	paleaquults	Paleaquults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	245	plinthaquults	Plinthaquults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	247	umbraquults	Umbraquults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	248	haplohumults	Haplohumults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	249	kandihumults	Kandihumults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	250	kanhaplohumults	Kanhaplohumults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	251	palehumults	Palehumults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	252	plinthohumults	Plinthohumults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	253	sombrihumults	Sombrihumults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	255	fragiudults	Fragiudults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	256	hapludults	Hapludults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	257	kandiudults	Kandiudults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	258	kanhapludults	Kanhapludults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	259	paleudults	Paleudults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	260	plinthudults	Plinthudults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	261	rhodudults	Rhodudults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	263	haplustults	Haplustults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	264	kandiustults	Kandiustults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	265	kanhaplustults	Kanhaplustults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	266	paleustults	Paleustults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	267	plinthustults	Plinthustults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	268	rhodustults	Rhodustults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	269	haploxerults	Haploxerults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	270	palexerults	Palexerults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	278	acraquox	Acraquox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	279	acroperox	Acroperox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	280	acrudox	Acrudox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	281	alaquods	Alaquods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	282	alorthods	Alorthods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	283	calciaquerts	Calciaquerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	284	calcitorrerts	Calcitorrerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	285	calciudolls	Calciudolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	286	calciusterts	Calciusterts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
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No	288	duraquerts	Duraquerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	289	duricryods	Duricryods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	290	durihumods	Durihumods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	291	durixererts	Durixererts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	292	durorthods	Durorthods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	293	dystraquerts	Dystraquerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	294	dystruderts	Dystruderts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	295	dystrusterts	Dystrusterts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	296	endoaqualfs	Endoaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
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No	298	endoaquents	Endoaquents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	299	endoaquepts	Endoaquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	300	endoaquerts	Endoaquerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	301	endoaquods	Endoaquods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	302	endoaquolls	Endoaquolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	303	endoaquults	Endoaquults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	304	epiaqualfs	Epiaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	305	epiaquands	Epiaquands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	306	epiaquents	Epiaquents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	307	epiaquepts	Epiaquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	308	epiaquerts	Epiaquerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	309	epiaquods	Epiaquods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	310	epiaquolls	Epiaquolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	311	epiaquults	Epiaquults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	312	eutraquox	Eutraquox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	313	eutroperox	Eutroperox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	314	eutrotorrox	Eutrotorrox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	315	eutrudox	Eutrudox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	316	gypsitorrerts	Gypsitorrerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	317	gypsiusterts	Gypsiusterts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	318	haplaquox	Haplaquox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	319	haplocryerts	Haplocryerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	320	haplocryods	Haplocryods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	321	haplotorrerts	Haplotorrerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	322	haplotorrox	Haplotorrox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	323	haploxererts	Haploxererts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	324	hapluderts	Hapluderts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	325	haplusterts	Haplusterts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	326	humicryerts	Humicryerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	327	humicryods	Humicryods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	328	kandiustox	Kandiustox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	330	natraquerts	Natraquerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	331	placocryods	Placocryods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	332	salaquerts	Salaquerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	333	salitorrerts	Salitorrerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	334	salusterts	Salusterts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	335	sombriperox	Sombriperox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	336	sombriudox	Sombriudox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	337	sulfisaprists	Sulfisaprists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	339	sulfosaprists	Sulfosaprists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	341	petroargids	Petroargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	342	gypsiargids	Gypsiargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	343	calciargids	Calciargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	344	haplocalcids	Haplocalcids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	345	petrocalcids	Petrocalcids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	346	aquicambids	Aquicambids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	347	petrocambids	Petrocambids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	349	haplocambids	Haplocambids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	350	salicyrids	Salicyrids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	351	petrocryids	Petrocryids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	352	gypsicryids	Gypsicryids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	353	argicryids	Argicryids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	354	calcicryids	Calcicryids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	355	haplocryids	Haplocryids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	356	natridurids	Natridurids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	357	argidurids	Argidurids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	358	haplodurids	Haplodurids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	359	petrogypsid	Petrogypsid	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	360	natrigypsid	Natrigypsid	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	361	argigypsid	Argigypsid	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	362	calcigypsid	Calcigypsid	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	363	haplogypsid	Haplogypsid	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	364	aquisalids	Aquisalids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	365	haplosalids	Haplosalids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	367	vermaqualfs	Vermaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	368	vermaquepts	Vermaquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	369	glossocryalfs	Glossocryalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service



Obsolete?	ID	Data Entry Text	Label Text	Description
No	370	haplocryalfs	Haplocryalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	371	palecryalfs	Palecryalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	372	duricryands	Duricryands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	373	duritorrands	Duritorrands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	374	haplotorrands	Haplotorrands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	375	fibristels	Fibristels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	376	folistels	Folistels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	377	glacistels	Glacistels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	378	hemistels	Hemistels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	379	sapristels	Sapristels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	380	anhyorthels	Anhyorthels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	381	aquorthels	Aquorthels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	382	argiorthels	Argiorthels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	383	haplorthels	Haplorthels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	384	historthels	Historthels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	385	mollorthels	Mollorthels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	386	psammorthels	Psammorthels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	387	umbrorthels	Umbrorthels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	388	anhyturbels	Anhyturbels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	389	aquiturbels	Aquiturbels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	390	haploturbels	Haploturbels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	391	histoturbels	Histoturbels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	392	molliturbels	Molliturbels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	393	psammoturbels	Psammoturbels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	394	umbriturbels	Umbriturbels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	395	haplofibrists	Haplofibrists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	396	haplohemists	Haplohemists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	397	haplosapristis	Haplosapristis	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	398	petraquepts	Petraquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	401	dystrocryepts	Dystrocryepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	403	durudepts	Durudepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	404	dystrodepts	Dystrodepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	405	eutrodepts	Eutrodepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	406	fragiudepts	Fragiudepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	408	sulfudepts	Sulfudepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	409	calciustepts	Calciustepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	410	durustepts	Durustepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	411	dystrustepts	Dystrustepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	412	haplustepts	Haplustepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	413	calcixerepts	Calcixerepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	414	durixerepts	Durixerepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	415	dystroxerepts	Dystroxerepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	416	haploxerepts	Haploxerepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	417	argicryolls	Argicryolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	418	calcicryolls	Calcicryolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	419	duricryolls	Duricryolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	420	haplocryolls	Haplocryolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	421	natricryolls	Natricryolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	422	cryrendolls	Cryrendolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	423	haprendolls	Haprendolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	424	natrudolls	Natrudolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	425	torrifolists	Torrifolists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	426	udifolists	Udifolists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	427	ustifolists	Ustifolists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	428	cryaqualfs	Cryaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	429	fragixerepts	Fragixerepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	430	palecryolls	Palecryolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	431	dystrogelepts	Dystrogelepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	433	gelaquands	Gelaquands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	434	gelaquents	Gelaquents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	435	gelifluvents	Gelifluvents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	436	gelaquepts	Gelaquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	437	gelorthents	Gelorthents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	438	haplogelods	Haplogelods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	439	haplogelolls	Haplogelolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	440	humigelods	Humigelods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	441	sulfaquerts	Sulfaquerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	442	vitrigelands	Vitrigelands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	443	humicryepts	Humicryepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	444	calcicryepts	Calcicryepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	445	haplocryepts	Haplocryepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	446	fluviwassents	Fluviwassents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	447	frasiwassents	Fraasiwassents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	448	haplowassents	Haplowassents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	449	hydrowassents	Hydrowassents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	450	psammowassents	Psammowassents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	451	sulfiwassents	Sulfiwassents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	452	frasiwassists	Fraasiwassists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	453	haplowassists	Haplowassists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	454	sulfiwassists	Sulfiwassists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	455	humigelepts	Humigelepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	456	haplogelepts	Haplogelepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	457	humustepts	Humustepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	458	humudepts	Humudepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	459	humixerepts	Humixerepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	7	ochraqualfs	Ochraqualfs	No description available.
Yes	9	tropaqualfs	Tropaqualfs	No description available.
Yes	10	umbraqualfs	Umbraqualfs	No description available.
Yes	11	cryoboralfs	Cryoboralfs	No description available.
Yes	12	eutroboralfs	Eutroboralfs	No description available.
Yes	13	fragiboralfs	Fragiboralfs	No description available.
Yes	14	glossoboralfs	Glossoboralfs	No description available.
Yes	15	natriboralfs	Natriboralfs	No description available.
Yes	16	paleboralfs	Paleboralfs	No description available.
Yes	17	agrudalfs	Agrudalfs	No description available.
Yes	45	haplaquands	Haplaquands	No description available.
Yes	50	gelicryands	Gelicryands	No description available.
Yes	69	durargids	Durargids	No description available.
Yes	71	nadurargids	Nadurargids	No description available.
Yes	74	calciorthids	Calciorthids	No description available.
Yes	75	camborthids	Camborthids	No description available.
Yes	76	durorthids	Durorthids	No description available.
Yes	77	gypsiorthids	Gypsiorthids	No description available.
Yes	78	paleorthids	Paleorthids	No description available.
Yes	79	salorthids	Salorthids	No description available.
Yes	82	haplaquents	Haplaquents	No description available.
Yes	86	tropaquents	Tropaquents	No description available.
Yes	88	udarents	Udarents	No description available.
Yes	89	ustarents	Ustarents	No description available.
Yes	90	xerarents	Xerarents	No description available.
Yes	93	tropofluvents	Tropofluvents	No description available.
Yes	99	troporthents	Troporthents	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	106	tropopsamments	Tropopsamments	No description available.
Yes	110	borofibrists	Borofibrists	No description available.
Yes	112	luvifibrists	Luvifibrists	No description available.
Yes	113	medifibrists	Medifibrists	No description available.
Yes	115	tropofibrists	Tropofibrists	No description available.
Yes	116	borofolists	Borofolists	No description available.
Yes	118	tropofolists	Tropofolists	No description available.
Yes	119	borohemists	Borohemists	No description available.
Yes	122	medihemists	Medihemists	No description available.
Yes	125	tropohemists	Tropohemists	No description available.
Yes	126	borosaprists	Borosaprists	No description available.
Yes	128	medisaprists	Medisaprists	No description available.
Yes	129	troposaprists	Troposaprists	No description available.
Yes	130	cryandepts	Cryandepts	No description available.
Yes	131	durandepts	Durandepts	No description available.
Yes	132	dysrandepts	Dysrandepts	No description available.
Yes	133	eutrandepts	Eutrandepts	No description available.
Yes	134	hydrandepts	Hydrandepts	No description available.
Yes	135	placandepts	Placandepts	No description available.
Yes	136	vitrandepts	Vitrandepts	No description available.
Yes	137	andaquepts	Andaquepts	No description available.
Yes	141	haplaquepts	Haplaquepts	No description available.
Yes	143	placaquepts	Placaquepts	No description available.
Yes	144	plinthaquepts	Plinthaquepts	No description available.
Yes	146	tropaquepts	Tropaquepts	No description available.
Yes	147	cryochrepts	Cryochrepts	No description available.
Yes	148	durochrepts	Durochrepts	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	149	dystrochrepts	Dystrochrepts	No description available.
Yes	150	eutrochrepts	Eutrochrepts	No description available.
Yes	151	fragiochrepts	Fragiochrepts	No description available.
Yes	152	ustochrepts	Ustochrepts	No description available.
Yes	153	xerochrepts	Xerochrepts	No description available.
Yes	154	plaggepts	Plaggepts	No description available.
Yes	155	dystropepts	Dystropepts	No description available.
Yes	156	eutropepts	Eutropepts	No description available.
Yes	157	humitropepts	Humitropepts	No description available.
Yes	158	sombritropepts	Sombritropepts	No description available.
Yes	159	ustropepts	Ustropepts	No description available.
Yes	160	cryumbrepts	Cryumbrepts	No description available.
Yes	161	fragiumbrepts	Fragiumbrepts	No description available.
Yes	162	haplumbrepts	Haplumbrepts	No description available.
Yes	163	xerumbrepts	Xerumbrepts	No description available.
Yes	170	haplaquolls	Haplaquolls	No description available.
Yes	172	argiborolls	Argiborolls	No description available.
Yes	173	calciborolls	Calciborolls	No description available.
Yes	174	cryoborolls	Cryoborolls	No description available.
Yes	175	haploborolls	Haploborolls	No description available.
Yes	176	natriborolls	Natriborolls	No description available.
Yes	177	paleborolls	Paleborolls	No description available.
Yes	178	vermiborolls	Vermiborolls	No description available.
Yes	179	rendolls	Rendolls	No description available.
Yes	197	gibbsiaquox	Gibbsiaquox	No description available.
Yes	198	ochraquox	Ochraquox	No description available.
Yes	200	umbraquox	Umbraquox	No description available.



Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	201	acrohumox	Acrohumox	No description available.
Yes	202	gibbsihumox	Gibbsihumox	No description available.
Yes	203	haplohumox	Haplohumox	No description available.
Yes	204	sombrihumox	Sombrihumox	No description available.
Yes	205	acrorthox	Acrorthox	No description available.
Yes	206	eutrorthox	Eutrorthox	No description available.
Yes	207	gibbsiorthox	Gibbsiorthox	No description available.
Yes	208	haplorthox	Haplorthox	No description available.
Yes	209	sombriorthox	Sombriorthox	No description available.
Yes	210	umbriorthox	Umbriorthox	No description available.
Yes	214	torrox	Torrox	No description available.
Yes	224	haplaquods	Haplaquods	No description available.
Yes	226	sideraquods	Sideraquods	No description available.
Yes	227	tropaquods	Tropaquods	No description available.
Yes	228	ferrods	Ferrods	No description available.
Yes	229	cryohumods	Cryohumods	No description available.
Yes	233	tropohumods	Tropohumods	No description available.
Yes	234	cryorthods	Cryorthods	No description available.
Yes	238	troporthods	Troporthods	No description available.
Yes	243	ochraquults	Ochraquults	No description available.
Yes	246	tropaquults	Tropaquults	No description available.
Yes	254	tropohumults	Tropohumults	No description available.
Yes	262	tropudults	Tropudults	No description available.
Yes	271	torrerts	Torrerts	No description available.
Yes	272	chromuderts	Chromuderts	No description available.
Yes	273	pelluderts	Pelluderts	No description available.
Yes	274	chromusterts	Chromusterts	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	275	pellusterts	Pellusterts	No description available.
Yes	276	chromoxererts	Chromoxererts	No description available.
Yes	277	pelloxererts	Pelloxererts	No description available.
Yes	329	medifolists	Medifolists	No description available.
Yes	338	sulfochrepts	Sulfochrepts	No description available.
Yes	340	tropudalfs	Tropudalfs	No description available.
Yes	348	anthracambids	Anthracambids	No description available.
Yes	366	arents	Arents	No description available.
Yes	399	plagganthrepts	Plagganthrepts	No description available.
Yes	400	haplanthrepts	Haplanthrepts	No description available.
Yes	402	eutrocryepts	Eutrocryepts	No description available.
Yes	407	hapludepts	Hapludepts	No description available.
Yes	432	eutrogelepts	Eutrogelepts	No description available.

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Domain Description: Reference: Soil Taxonomy Second Edition, 1999, Soil Survey Staff.

## NASIS 7.4.2 Domains

Domain Name: taxonomic\_moisture\_class

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	aquic	Aquic	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2	aridic (torric)	Aridic (torric)	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3	peraquic	Peraquic	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	4	perudic	Perudic	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	5	udic	Udic	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	6	ustic	Ustic	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	7	xeric	Xeric	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

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Domain Description: Reference: Soil Taxonomy Second Edition, 1999, Soil Survey Staff.

## NASIS 7.4.2 Domains

Domain Name: taxonomic\_moisture\_subclass

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	aeric	Aeric	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2	aquic	Aquic	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3	aridic (torric)	Aridic (torric)	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	4	typic	Typic	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	5	udic	Udic	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	6	ustic	Ustic	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	7	xeric	Xeric	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	8	anthraquic	Anthraquic	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	9	oxyaquic	Oxyaquic	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

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Domain Description: Reference: Soil Taxonomy Second Edition, 1999, Soil Survey Staff.

## NASIS 7.4.2 Domains

Domain Name: taxonomic\_order

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	alfisols	Alfisols	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2	andisols	Andisols	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3	aridisols	Aridisols	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	4	entisols	Entisols	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	5	histosols	Histosols	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	6	inceptisols	Inceptisols	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	7	mollisols	Mollisols	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	8	oxisols	Oxisols	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	9	spodosols	Spodosols	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	10	ultisols	Ultisols	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	11	vertisols	Vertisols	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	12	gelisols	Gelisols	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

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Domain Description: Reference: Soil Taxonomy Second Edition, 1999, Soil Survey Staff.

## NASIS 7.4.2 Domains

Domain Name: taxonomic\_subgroup

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	typic albaqualfs	Typic Albaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2	aeric albaqualfs	Aeric Albaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3	aquandic albaqualfs	Aquandic Albaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	4	arenic albaqualfs	Arenic Albaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	6	mollic albaqualfs	Mollic Albaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	8	udollic albaqualfs	Udollic Albaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	9	vertic albaqualfs	Vertic Albaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	10	typic endoaqualfs	Typic Endoaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	11	aeric endoaqualfs	Aeric Endoaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	12	aquandic endoaqualfs	Aquandic Endoaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	13	arenic endoaqualfs	Arenic Endoaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	14	grossarenic endoaqualfs	Grossarenic Endoaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	15	mollic endoaqualfs	Mollic Endoaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	16	umbric endoaqualfs	Umbric Endoaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	17	typic epiaqualfs	Typic Epiaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	18	aeric umbric epiaqualfs	Aeric Umbric Epiaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	19	aeric epiaqualfs	Aeric Epiaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	20	aquandic epiaqualfs	Aquandic Epiaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	21	arenic epiaqualfs	Arenic Epiaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	22	grossarenic epiaqualfs	Grossarenic Epiaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	23	mollic epiaqualfs	Mollic Epiaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	24	umbric epiaqualfs	Umbric Epiaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	25	vertic epiaqualfs	Vertic Epiaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	26	typic fragiaqualfs	Typic Fragiaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	27	aeric fragiaqualfs	Aeric Fragiaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	28	plinthic fragiaqualfs	Plinthic Fragiaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	30	typic glossaqualfs	Typic Glossaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	31	aeric glossaqualfs	Aeric Glossaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	32	arenic glossaqualfs	Arenic Glossaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	34	mollic glossaqualfs	Mollic Glossaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	35	typic kandiaqualfs	Typic Kandiaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	36	aeric umbric kandiaqualfs	Aeric Umbric Kandiaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	37	aeric kandiaqualfs	Aeric Kandiaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	38	arenic kandiaqualfs	Arenic Kandiaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	39	grossarenic kandiaqualfs	Grossarenic Kandiaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	40	plinthic kandiaqualfs	Plinthic Kandiaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	41	umbric kandiaqualfs	Umbric Kandiaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	42	typic natraqualfs	Typic Natraqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	43	albic natraqualfs	Albic Natraqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	44	albic glossic natraqualfs	Albic Glossic Natraqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	45	glossic natraqualfs	Glossic Natraqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	46	mollic natraqualfs	Mollic Natraqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	47	vertic natraqualfs	Vertic Natraqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	98	typic ferrudalfs	Typic Ferrudalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	99	aquic ferrudalfs	Aquic Ferrudalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	100	typic fragiudalfs	Typic Fragiudalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	103	aquic fragiudalfs	Aquic Fragiudalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	108	oxyaquic fragiudalfs	Oxyaquic Fragiudalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	110	typic fraglossudalfs	Typic Fraglossudalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service



Obsolete?	ID	Data Entry Text	Label Text	Description
No	111	aquic fraglossudalfs	Aquic Fraglossudalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	112	oxyaquic fraglossudalfs	Oxyaquic Fraglossudalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	113	typic glossudalfs	Typic Glossudalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	114	andic glossudalfs	Andic Glossudalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	115	aquandic glossudalfs	Aquandic Glossudalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	116	aquic glossudalfs	Aquic Glossudalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	117	arenic glossudalfs	Arenic Glossudalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	118	fragic glossudalfs	Fragic Glossudalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	119	haplic glossudalfs	Haplic Glossudalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	120	oxyaquic glossudalfs	Oxyaquic Glossudalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	121	vitrandic glossudalfs	Vitrandic Glossudalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	122	typic hapludalfs	Typic Hapludalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	123	albaquultic hapludalfs	Albaquultic Hapludalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	124	albaquic hapludalfs	Albaquic Hapludalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	125	anthraquic hapludalfs	Anthraquic Hapludalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	126	andic hapludalfs	Andic Hapludalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	127	aquic hapludalfs	Aquic Hapludalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	128	aquic arenic hapludalfs	Aquic Arenic Hapludalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	130	aquollic hapludalfs	Aquollic Hapludalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	131	aquultic hapludalfs	Aquultic Hapludalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	132	aquertic hapludalfs	Aquertic Hapludalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	133	arenic hapludalfs	Arenic Hapludalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	134	glossaquic hapludalfs	Glossaquic Hapludalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	135	glossic hapludalfs	Glossic Hapludalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	137	lithic hapludalfs	Lithic Hapludalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	138	mollic hapludalfs	Mollic Hapludalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	139	oxyaquic hapludalfs	Oxyaquic Hapludalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	140	psammentic hapludalfs	Psammentic Hapludalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	142	ultic hapludalfs	Ultic Hapludalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	143	vertic hapludalfs	Vertic Hapludalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	144	vitrandic hapludalfs	Vitrandic Hapludalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	145	typic kandiudalfs	Typic Kandiudalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	146	aquic kandiudalfs	Aquic Kandiudalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	147	arenic plinthic kandiudalfs	Arenic Plinthic Kandiudalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	148	arenic kandiuclalfs	Arenic Kandiuclalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	149	grossarenic plinthic kandiuclalfs	Grossarenic Plinthic Kandiuclalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	150	grossarenic kandiuclalfs	Grossarenic Kandiuclalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	151	mollic kandiuclalfs	Mollic Kandiuclalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	152	oxyaquic kandiuclalfs	Oxyaquic Kandiuclalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	153	plinthic kandiuclalfs	Plinthic Kandiuclalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	154	plinhaquic kandiuclalfs	Plinhaquic Kandiuclalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	155	rhodic kandiuclalfs	Rhodic Kandiuclalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	156	typic kanhapludalfs	Typic Kanhapludalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	157	aquic kanhapludalfs	Aquic Kanhapludalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	158	lithic kanhapludalfs	Lithic Kanhapludalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	159	oxyaquic kanhapludalfs	Oxyaquic Kanhapludalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	160	rhodic kanhapludalfs	Rhodic Kanhapludalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	161	typic natrudalfs	Typic Natrudalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	164	vertic natrudalfs	Vertic Natrudalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	165	typic paleudalfs	Typic Paleudalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	166	albaquic paleudalfs	Albaquic Paleudalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	167	anthraquic paleudalfs	Anthraquic Paleudalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	168	aquic paleudalfs	Aquic Paleudalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	169	arenic plinthic paleudalfs	Arenic Plinthic Paleudalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	170	arenic paleudalfs	Arenic Paleudalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	171	glossaquic paleudalfs	Glossaquic Paleudalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	172	glossic paleudalfs	Glossic Paleudalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	173	grossarenic plinthic paleudalfs	Grossarenic Plinthic Paleudalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	174	grossarenic paleudalfs	Grossarenic Paleudalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	175	mollic paleudalfs	Mollic Paleudalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	176	oxyaquic paleudalfs	Oxyaquic Paleudalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	177	plinthic paleudalfs	Plinthic Paleudalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	178	plinthaquic paleudalfs	Plinthaquic Paleudalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	179	psammentic paleudalfs	Psammentic Paleudalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	180	rhodic paleudalfs	Rhodic Paleudalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	181	vertic paleudalfs	Vertic Paleudalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	182	typic haplustalfs	Typic Haplustalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	183	aquic haplustalfs	Aquic Haplustalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	184	aquic arenic haplustalfs	Aquic Arenic Haplustalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	185	aquultic haplustalfs	Aquultic Haplustalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	186	arenic aridic haplustalfs	Arenic Aridic Haplustalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	187	aridic haplustalfs	Aridic Haplustalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	188	arenic haplustalfs	Arenic Haplustalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	189	kanhaplic haplustalfs	Kanhaplic Haplustalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	190	lithic haplustalfs	Lithic Haplustalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	191	oxyaquic haplustalfs	Oxyaquic Haplustalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	192	psammentic haplustalfs	Psammentic Haplustalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	193	udic haplustalfs	Udic Haplustalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	194	udertic haplustalfs	Udertic Haplustalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	195	ultic haplustalfs	Ultic Haplustalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	196	vertic haplustalfs	Vertic Haplustalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	197	typic kandiuustalfs	Typic Kandiuustalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	198	aquic kandiuustalfs	Aquic Kandiuustalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	199	aquic arenic kandiuustalfs	Aquic Arenic Kandiuustalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	200	arenic aridic kandiuustalfs	Arenic Aridic Kandiuustalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	201	aridic kandiuustalfts	Aridic Kandiuustalfts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	202	arenic kandiuustalfts	Arenic Kandiuustalfts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	203	grossarenic kandiuustalfts	Grossarenic Kandiuustalfts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	204	plinthic kandiuustalfts	Plinthic Kandiuustalfts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	205	rhodic kandiuustalfts	Rhodic Kandiuustalfts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	206	udic kandiuustalfts	Udic Kandiuustalfts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	207	typic kanhaplustalfts	Typic Kanhaplustalfts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	208	aquic kanhaplustalfts	Aquic Kanhaplustalfts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	209	aridic kanhaplustalfts	Aridic Kanhaplustalfts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	210	lithic kanhaplustalfts	Lithic Kanhaplustalfts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	211	rhodic kanhaplustalfts	Rhodic Kanhaplustalfts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	212	udic kanhaplustalfts	Udic Kanhaplustalfts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	213	typic natrustalfts	Typic Natrustalfts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	214	aquic natrustalfts	Aquic Natrustalfts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	215	aquic arenic natrustalfts	Aquic Arenic Natrustalfts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	216	arenic natrustalfts	Arenic Natrustalfts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	218	mollic natrustalfts	Mollic Natrustalfts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

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No	221	vertic natrustalFs	Vertic NatrustalFs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	222	typic paleustalFs	Typic PaleustalFs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	223	aquic paleustalFs	Aquic PaleustalFs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
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No	229	grossarenic paleustalFs	Grossarenic PaleustalFs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	230	kandic paleustalFs	Kandic PaleustalFs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	231	oxyaquic paleustalFs	Oxyaquic PaleustalFs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	232	petrocalcic paleustalFs	Petrocalcic PaleustalFs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
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No	234	psammentic paleustalFs	Psammentic PaleustalFs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	235	rhodic paleustalFs	Rhodic PaleustalFs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	236	udic paleustalFs	Udic PaleustalFs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
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No	239	vertic paleustalfs	Vertic Paleustalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	240	typic rhodustalfs	Typic Rhodustalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	241	kanhaplic rhodustalfs	Kanhaplic Rhodustalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	242	lithic rhodustalfs	Lithic Rhodustalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
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No	248	haplic durixeralfs	Haplic Durixeralfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	249	natric durixeralfs	Natric Durixeralfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	250	vertic durixeralfs	Vertic Durixeralfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
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No	257	typic haploxeralfs	Typic Haploxeralfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
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No	271	vertic haploxeralfs	Vertic Haploxeralfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
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No	273	typic natrixeralfs	Typic Natrixeralfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

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No	275	vertic natrixeralfs	Vertic Natrixeralfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	276	typic palexeralfs	Typic Palexeralfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
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No	288	vertic palexeralfs	Vertic Palexeralfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	289	vitrandic palexeralfs	Vitrandic Palexeralfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	290	typic rhodoxeralfs	Typic Rhodoxeralfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

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No	294	petrocalcic rhodoxeralfs	Petrocalcic Rhodoxeralfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	295	typic cryaquands	Typic Cryaquands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
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No	307	histic endoaquands	Histic Endoaquands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
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No	309	lithic endoaquands	Lithic Endoaquands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

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No	313	alic epiaquands	Alic Epiaquands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	314	duric epiaquands	Duric Epiaquands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	315	histic epiaquands	Histic Epiaquands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	316	hydric epiaquands	Hydric Epiaquands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	318	thaptic epiaquands	Thaptic Epiaquands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	319	typic melanaquands	Typic Melanaquands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	320	acraquoxic melanaquands	Acraquoxic Melanaquands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	321	hydric pachic melanaquands	Hydric Pachic Melanaquands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
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No	324	thaptic melanaquands	Thaptic Melanaquands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	325	typic placaquands	Typic Placaquands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	326	duric placaquands	Duric Placaquands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
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No	328	histic placaquands	Histic Placaquands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

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No	330	thaptic placaquands	Thaptic Placaquands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	331	typic vitraquands	Typic Vitraquands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	332	duric vitraquands	Duric Vitraquands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
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No	335	thaptic vitraquands	Thaptic Vitraquands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	336	typic fulvicryands	Typic Fulvicryands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	337	lithic fulvicryands	Lithic Fulvicryands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	338	vitric fulvicryands	Vitric Fulvicryands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	340	typic haplocryands	Typic Haplocryands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	341	alic haplocryands	Alic Haplocryands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	342	aquic haplocryands	Aquic Haplocryands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	343	acrudoxic haplocryands	Acrudoxic Haplocryands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	344	lithic haplocryands	Lithic Haplocryands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	345	thaptic haplocryands	Thaptic Haplocryands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	346	vitric haplocryands	Vitric Haplocryands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

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No	348	typic hydrocryands	Typic Hydrocryands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	349	aquic hydrocryands	Aquic Hydrocryands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
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No	353	typic melanocryands	Typic Melanocryands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
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No	367	calcic vitritorrands	Calcic Vitritorrands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	368	duric vitritorrands	Duric Vitritorrands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
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No	399	acrudoxic ultic hapludands	Acrudoxic Ultic Hapludands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	400	acrudoxic hapludands	Acrudoxic Hapludands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	401	duric hapludands	Duric Hapludands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	402	eutric thaptic hapludands	Eutric Thaptic Hapludands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	403	eutric hapludands	Eutric Hapludands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	404	hydric thaptic hapludands	Hydric Thaptic Hapludands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	405	hydric hapludands	Hydric Hapludands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	406	lithic hapludands	Lithic Hapludands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	407	oxic hapludands	Oxic Hapludands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service



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No	410	ultic hapludands	Ultic Hapludands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	411	vitric hapludands	Vitric Hapludands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	412	typic hydrudands	Typic Hydrudands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	413	aquic hydrudands	Aquic Hydrudands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	414	acrudoxic thaptic hydrudands	Acrudoxic Thaptic Hydrudands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
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No	417	lithic hydrudands	Lithic Hydrudands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	418	thaptic hydrudands	Thaptic Hydrudands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	419	ultic hydrudands	Ultic Hydrudands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	420	typic melanudands	Typic Melanudands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	425	anthraquic melanudands	Anthraquic Melanudands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	426	aquic melanudands	Aquic Melanudands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	427	acrudoxic hydric melanudands	Acrudoxic Hydric Melanudands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	428	acrudoxic vitric melanudands	Acrudoxic Vitric Melanudands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
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No	440	typic placudands	Typic Placudands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
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No	452	typic durustands	Typic Durustands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	453	aquic durustands	Aquic Durustands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	454	humic durustands	Humic Durustands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

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No	457	alfic haplustands	Alfic Haplustands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	458	aquic haplustands	Aquic Haplustands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
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No	460	dystic haplustands	Dystic Haplustands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	461	dystic vitric haplustands	Dystic Vitric Haplustands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	462	humic haplustands	Humic Haplustands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
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No	472	lithic udovitrand	Lithic Udivitrands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

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No	475	typic ustivitrands	Typic Ustivitrands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
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No	478	humic ustivitrands	Humic Ustivitrands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
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No	482	alfic haploxerands	Alfic Haploxerands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	483	alfic humic haploxerands	Alfic Humic Haploxerands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
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No	486	humic haploxerands	Humic Haploxerands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
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No	488	thaptic haploxerands	Thaptic Haploxerands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
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No	491	pachic melanoxerands	Pachic Melanoxerands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	492	typic vitrixerands	Typic Vitrixerands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	493	alfic vitrixerands	Alfic Vitrixerands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
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No	528	vertic haplargids	Vertic Haplargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	529	xerertic haplargids	Xerertic Haplargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	539	typic natrargids	Typic Natrargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

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No	545	glossic natrargids	Glossic Natrargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	547	haplic natrargids	Haplic Natrargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	550	lithic natrargids	Lithic Natrargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
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No	565	vertic paleargids	Vertic Paleargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	631	typic cryaquents	Typic Cryaquents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	632	aquandic cryaquents	Aquandic Cryaquents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	633	typic endoaquents	Typic Endoaquents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	634	aeric endoaquents	Aeric Endoaquents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	635	humaqueptic endoaquents	Humaqueptic Endoaquents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	636	lithic endoaquents	Lithic Endoaquents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	637	mollic endoaquents	Mollic Endoaquents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	638	sulfic endoaquents	Sulfic Endoaquents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	639	typic epiaquents	Typic Epiaquents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
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No	643	typic fluvaquents	Typic Fluvaquents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	645	aeric fluvaquents	Aeric Fluvaquents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
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No	660	typic sulfaquents	Typic Sulfaquents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

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No	687	andic udifluvents	Andic Udifluvents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
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No	691	vitrandic udifluvents	Vitrandic Udifluvents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
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No	699	vertic ustifluvents	Vertic Ustifluvents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	700	typic xerofluvents	Typic Xerofluvents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	701	andic xerofluvents	Andic Xerofluvents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

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No	706	oxyaquic xerofluvents	Oxyaquic Xerofluvents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
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No	724	oxyaquic torriorthents	Oxyaquic Torriorthents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

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No	725	ustertic torriorthents	Ustertic Torriorthents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	726	ustic torriorthents	Ustic Torriorthents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	727	vertic torriorthents	Vertic Torriorthents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	728	vitrandic torriorthents	Vitrandic Torriorthents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	729	xerertic torriorthents	Xerertic Torriorthents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	730	xeric torriorthents	Xeric Torriorthents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	735	typic udorthents	Typic Udorthents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	737	aquic udorthents	Aquic Udorthents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	738	lithic udorthents	Lithic Udorthents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	739	oxyaquic udorthents	Oxyaquic Udorthents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	740	vermic udorthents	Vermic Udorthents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	741	vitrandic udorthents	Vitrandic Udorthents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	742	typic ustorthents	Typic Ustorthents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	743	anthraquic ustorthents	Anthraquic Ustorthents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	744	aquic ustorthents	Aquic Ustorthents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	745	aridic ustorthents	Aridic Ustorthents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	747	lithic ustorthents	Lithic Ustorthents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	748	oxyaquic ustorthents	Oxyaquic Ustorthents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	749	udic ustorthents	Udic Ustorthents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	750	vertic ustorthents	Vertic Ustorthents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	751	vermic ustorthents	Vermic Ustorthents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	752	typic xerorthents	Typic Xerorthents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	755	aquic xerorthents	Aquic Xerorthents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	758	dystic xerorthents	Dystic Xerorthents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	759	lithic xerorthents	Lithic Xerorthents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	760	oxyaquic xerorthents	Oxyaquic Xerorthents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	761	vitrandic xerorthents	Vitrandic Xerorthents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	762	typic cryopsamments	Typic Cryopsamments	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	763	aquic cryopsamments	Aquic Cryopsamments	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	765	lithic cryopsamments	Lithic Cryopsamments	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	766	oxyaquic cryopsamments	Oxyaquic Cryopsamments	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	768	spodic cryopsamments	Spodic Cryopsamments	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	769	typic quartzipsamments	Typic Quartzipsamments	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	770	aquic quartzipsamments	Aquic Quartzipsamments	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	771	aquodic quartzipsamments	Aquodic Quartzipsamments	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	774	lithic quartzipsamments	Lithic Quartzipsamments	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	775	oxyaquic quartzipsamments	Oxyaquic Quartzipsamments	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	776	plinthic quartzipsamments	Plinthic Quartzipsamments	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	777	spodic quartzipsamments	Spodic Quartzipsamments	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	778	udoxic quartzipsamments	Udoxic Quartzipsamments	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	779	ustic quartzipsamments	Ustic Quartzipsamments	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	780	ustoxic quartzipsamments	Ustoxic Quartzipsamments	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	781	xeric quartzipsamments	Xeric Quartzipsamments	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	782	typic torripsamments	Typic Torripsamments	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	785	lithic torripsamments	Lithic Torripsamments	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	786	ustic torripsamments	Ustic Torripsamments	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	787	xeric torripsamments	Xeric Torripsamments	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	792	typic udipsamments	Typic Udipsamments	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	793	aquic udipsamments	Aquic Udipsamments	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	795	lithic udipsamments	Lithic Udipsamments	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	796	oxyaquic udipsamments	Oxyaquic Udipsamments	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	798	spodic udipsamments	Spodic Udipsamments	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	799	typic ustipsamments	Typic Ustipsamments	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	800	aquic ustipsamments	Aquic Ustipsamments	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	802	lithic ustipsamments	Lithic Ustipsamments	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	803	oxyaquic ustipsamments	Oxyaquic Ustipsamments	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	804	typic xeropsamments	Typic Xeropsamments	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	805	aquic xeropsamments	Aquic Xeropsamments	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	809	dystric xeropsamments	Dystric Xeropsamments	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	810	lithic xeropsamments	Lithic Xeropsamments	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	811	oxyaquic xeropsamments	Oxyaquic Xeropsamments	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	824	typic cryofibrists	Typic Cryofibrists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	825	fluvaquentic cryofibrists	Fluvaquentic Cryofibrists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	826	lithic cryofibrists	Lithic Cryofibrists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	828	sphagnic cryofibrists	Sphagnic Cryofibrists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	829	terric cryofibrists	Terric Cryofibrists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	842	typic sphagnofibrists	Typic Sphagnofibrists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	844	fluvaquentic sphagnofibrists	Fluvaquentic Sphagnofibrists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	845	hemic sphagnofibrists	Hemic Sphagnofibrists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	846	hydric sphagnofibrists	Hydric Sphagnofibrists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	847	lithic sphagnofibrists	Lithic Sphagnofibrists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	848	limnic sphagnofibrists	Limnic Sphagnofibrists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	851	terric sphagnofibrists	Terric Sphagnofibrists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	864	typic cryofolists	Typic Cryofolists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	865	lithic cryofolists	Lithic Cryofolists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	880	typic cryohemists	Typic Cryohemists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	881	fluvaquentic cryohemists	Fluvaquentic Cryohemists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	882	lithic cryohemists	Lithic Cryohemists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	884	terric cryohemists	Terric Cryohemists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	895	typic sulfihemists	Typic Sulfihemists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	896	terric sulfihemists	Terric Sulfihemists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	897	typic sulfohemists	Typic Sulfohemists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	917	typic cryosaprists	Typic Cryosaprists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	918	fluvaquentic cryosaprists	Fluvaquentic Cryosaprists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	919	lithic cryosaprists	Lithic Cryosaprists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	921	terrific cryosapristis	Terrific Cryosapristis	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	931	typic sulfisapristis	Typic Sulfisapristis	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	932	terrific sulfisapristis	Terrific Sulfisapristis	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	933	typic sulfosapristis	Typic Sulfosapristis	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	943	typic cryaquepts	Typic Cryaquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	944	aeric humic cryaquepts	Aeric Humic Cryaquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	945	aeric cryaquepts	Aeric Cryaquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	946	aquandic cryaquepts	Aquandic Cryaquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	947	histic lithic cryaquepts	Histic Lithic Cryaquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	949	histic cryaquepts	Histic Cryaquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	951	humic cryaquepts	Humic Cryaquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	952	lithic cryaquepts	Lithic Cryaquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	955	sulfic cryaquepts	Sulfic Cryaquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	956	vertic cryaquepts	Vertic Cryaquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	957	typic endoaquepts	Typic Endoaquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	958	aeric endoaquepts	Aeric Endoaquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	959	aquandic endoaquepts	Aquandic Endoaquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service



Obsolete?	ID	Data Entry Text	Label Text	Description
No	960	humic endoaquepts	Humic Endoaquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	961	lithic endoaquepts	Lithic Endoaquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	962	mollic endoaquepts	Mollic Endoaquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	963	sulfic endoaquepts	Sulfic Endoaquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	964	vertic endoaquepts	Vertic Endoaquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	965	typic epiaquepts	Typic Epiaquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	966	aeric epiaquepts	Aeric Epiaquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	967	vertic epiaquepts	Vertic Epiaquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	968	typic fragiaquepts	Typic Fragiaquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	969	aeric fragiaquepts	Aeric Fragiaquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	970	humic fragiaquepts	Humic Fragiaquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	971	typic halaquepts	Typic Halaquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	972	aeric halaquepts	Aeric Halaquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	973	aquandic halaquepts	Aquandic Halaquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	975	vertic halaquepts	Vertic Halaquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	976	typic humaquepts	Typic Humaquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	977	aeric humaquepts	Aeric Humaquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	978	aquandic humaquepts	Aquandic Humaquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	979	cumulic humaquepts	Cumulic Humaquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	980	fluvaquentic humaquepts	Fluvaquentic Humaquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	981	histic humaquepts	Histic Humaquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	982	hydraquentic humaquepts	Hydraquentic Humaquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	987	typic sulfaquepts	Typic Sulfaquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	988	hydraquentic sulfaquepts	Hydraquentic Sulfaquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,166	typic argialbolls	Typic Argialbolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,167	aquandic argialbolls	Aquandic Argialbolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,168	argiaquic argialbolls	Argiaquic Argialbolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,169	argiaquic xeric argialbolls	Argiaquic Xeric Argialbolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,170	vertic argialbolls	Vertic Argialbolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,171	xerertic argialbolls	Xerertic Argialbolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,172	xeric argialbolls	Xeric Argialbolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,173	typic natralbolls	Typic Natralbolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,174	typic argiaquolls	Typic Argiaquolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,175	abruptic argiaquolls	Abruptic Argiaquolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1,176	arenic argiaquolls	Arenic Argiaquolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,177	grossarenic argiaquolls	Grossarenic Argiaquolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,178	vertic argiaquolls	Vertic Argiaquolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,179	typic calciaquolls	Typic Calciaquolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,180	aeric calciaquolls	Aeric Calciaquolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,181	petrocalcic calciaquolls	Petrocalcic Calciaquolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,182	typic cryaquolls	Typic Cryaquolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,183	aquandic cryaquolls	Aquandic Cryaquolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,184	argic cryaquolls	Argic Cryaquolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,185	calcic cryaquolls	Calcic Cryaquolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,186	cumulic cryaquolls	Cumulic Cryaquolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,187	histic cryaquolls	Histic Cryaquolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,189	thapto-histic cryaquolls	Thapto-Histic Cryaquolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,190	vertic cryaquolls	Vertic Cryaquolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,191	typic duraquolls	Typic Duraquolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,192	argic duraquolls	Argic Duraquolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,193	natric duraquolls	Natric Duraquolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1,194	vertic duraquolls	Vertic Duraquolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,195	typic endoaquolls	Typic Endoaquolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,196	aquandic endoaquolls	Aquandic Endoaquolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,197	cumulic endoaquolls	Cumulic Endoaquolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,198	duric endoaquolls	Duric Endoaquolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,199	fluvaquentic endoaquolls	Fluvaquentic Endoaquolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,200	histic endoaquolls	Histic Endoaquolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,201	lithic endoaquolls	Lithic Endoaquolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,202	thapto-histic endoaquolls	Thapto-Histic Endoaquolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,203	vertic endoaquolls	Vertic Endoaquolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,204	typic epiaquolls	Typic Epiaquolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,205	aquandic epiaquolls	Aquandic Epiaquolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,206	cumulic epiaquolls	Cumulic Epiaquolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,207	duric epiaquolls	Duric Epiaquolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,208	fluvaquentic epiaquolls	Fluvaquentic Epiaquolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,209	histic epiaquolls	Histic Epiaquolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,210	thapto-histic epiaquolls	Thapto-Histic Epiaquolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1,211	vertic epiaquolls	Vertic Epiaquolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,212	typic natraquolls	Typic Natraquolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,213	vertic natraquolls	Vertic Natraquolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,321	typic argiudolls	Typic Argiudolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,322	andic argiudolls	Andic Argiudolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,323	aquic argiudolls	Aquic Argiudolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,324	aquertic argiudolls	Aquertic Argiudolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,325	calcic argiudolls	Calcic Argiudolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,326	lithic argiudolls	Lithic Argiudolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,327	oxyaquic argiudolls	Oxyaquic Argiudolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,328	oxic argiudolls	Oxic Argiudolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,329	pachic argiudolls	Pachic Argiudolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,330	psammentic argiudolls	Psammentic Argiudolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,331	vertic argiudolls	Vertic Argiudolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,332	vitrandic argiudolls	Vitrandic Argiudolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,333	typic calciudolls	Typic Calciudolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,334	aquic calciudolls	Aquic Calciudolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1,335	lithic calciudolls	Lithic Calciudolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,336	vertic calciudolls	Vertic Calciudolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,337	typic hapludolls	Typic Hapludolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,338	andic hapludolls	Andic Hapludolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,339	aquic hapludolls	Aquic Hapludolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,340	aquertic hapludolls	Aquertic Hapludolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,341	calcic hapludolls	Calcic Hapludolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,342	cumulic hapludolls	Cumulic Hapludolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,343	entic hapludolls	Entic Hapludolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,344	fluvaquentic hapludolls	Fluvaquentic Hapludolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,345	fluventic hapludolls	Fluventic Hapludolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,346	lithic hapludolls	Lithic Hapludolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
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No	1,348	vertic hapludolls	Vertic Hapludolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,349	vermic hapludolls	Vermic Hapludolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,350	vitrandic hapludolls	Vitrandic Hapludolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,351	typic paleudolls	Typic Paleudolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

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No	1,353	calcic paleudolls	Calcic Paleudolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,354	oxyaquic paleudolls	Oxyaquic Paleudolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,356	vertic paleudolls	Vertic Paleudolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,357	typic vermudolls	Typic Vermudolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,359	haplic vermudolls	Haplic Vermudolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,360	lithic vermudolls	Lithic Vermudolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,361	typic argiustolls	Typic Argiustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,362	alfic lithic argiustolls	Alfic Lithic Argiustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,363	andic argiustolls	Andic Argiustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
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No	1,365	aridic argiustolls	Aridic Argiustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,367	duric argiustolls	Duric Argiustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,368	lithic argiustolls	Lithic Argiustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
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No	1,370	pachic argiustolls	Pachic Argiustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,371	torrertic argiustolls	Torrertic Argiustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

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No	1,373	udertic argiustolls	Udertic Argiustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,375	vertic argiustolls	Vertic Argiustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,376	vitrandic argiustolls	Vitrandic Argiustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,377	vitritorrandic argiustolls	Vitritorrandic Argiustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,378	typic calciustolls	Typic Calciustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,379	aquic calciustolls	Aquic Calciustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,380	aridic calciustolls	Aridic Calciustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,381	lithic calciustolls	Lithic Calciustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,382	lithic petrocalcic calciustolls	Lithic Petrocalcic Calciustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,383	oxyaquic calciustolls	Oxyaquic Calciustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,384	pachic calciustolls	Pachic Calciustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,385	petrocalcic calciustolls	Petrocalcic Calciustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,387	torrertic calciustolls	Torrertic Calciustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,388	udic calciustolls	Udic Calciustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,389	udertic calciustolls	Udertic Calciustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,390	vertic calciustolls	Vertic Calciustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service



Obsolete?	ID	Data Entry Text	Label Text	Description
No	1,391	typic durustolls	Typic Durustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,393	entic durustolls	Entic Durustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,394	haplic durustolls	Haplic Durustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,395	natric durustolls	Natric Durustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,397	typic haplustolls	Typic Haplustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,398	anthraquic haplustolls	Anthraquic Haplustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,399	andic haplustolls	Andic Haplustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,400	aquic haplustolls	Aquic Haplustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,401	aridic haplustolls	Aridic Haplustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,402	cumulic haplustolls	Cumulic Haplustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,403	duric haplustolls	Duric Haplustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,404	entic haplustolls	Entic Haplustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,405	fluvaquentic haplustolls	Fluvaquentic Haplustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,406	fluventic haplustolls	Fluventic Haplustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,407	lithic haplustolls	Lithic Haplustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,408	oxyaquic haplustolls	Oxyaquic Haplustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,409	oxic haplustolls	Oxic Haplustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

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No	1,410	pachic haplustolls	Pachic Haplustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,411	ruptic-lithic haplustolls	Ruptic-Lithic Haplustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,413	torrifuventic haplustolls	Torrifuventic Haplustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,414	torriorthentic haplustolls	Torriorthentic Haplustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,415	torroxic haplustolls	Torroxic Haplustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,416	torrertic haplustolls	Torrertic Haplustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,417	udic haplustolls	Udic Haplustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,418	udorthentic haplustolls	Udorthentic Haplustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
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No	1,420	vertic haplustolls	Vertic Haplustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
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No	1,422	vitritorrandic haplustolls	Vitritorrandic Haplustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,423	typic natrustolls	Typic Natrustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,424	aquic natrustolls	Aquic Natrustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,425	aridic natrustolls	Aridic Natrustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,426	duric natrustolls	Duric Natrustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,427	glossic natrustolls	Glossic Natrustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

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No	1,428	leptic natrustolls	Leptic Natrustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,429	vertic natrustolls	Vertic Natrustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,430	typic paleustolls	Typic Paleustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,431	aquic paleustolls	Aquic Paleustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,432	aridic paleustolls	Aridic Paleustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,434	calcic paleustolls	Calcic Paleustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,435	entic paleustolls	Entic Paleustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,436	pachic paleustolls	Pachic Paleustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,437	petrocalcic paleustolls	Petrocalcic Paleustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,438	torrertic paleustolls	Torrertic Paleustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,439	udic paleustolls	Udic Paleustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,440	udertic paleustolls	Udertic Paleustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,441	vertic paleustolls	Vertic Paleustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,442	typic vermustolls	Typic Vermustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,443	aquic vermustolls	Aquic Vermustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,444	entic vermustolls	Entic Vermustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,446	lithic vermustolls	Lithic Vermustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
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No	1,448	typic argixerolls	Typic Argixerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,450	andic argixerolls	Andic Argixerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,451	aquic argixerolls	Aquic Argixerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,452	aquultic argixerolls	Aquultic Argixerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,453	aridic argixerolls	Aridic Argixerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,456	calcic pachic argixerolls	Calcic Pachic Argixerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,457	calcic argixerolls	Calcic Argixerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,458	duric argixerolls	Duric Argixerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,460	lithic argixerolls	Lithic Argixerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,461	lithic ultic argixerolls	Lithic Ultic Argixerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,462	oxyaquic argixerolls	Oxyaquic Argixerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,463	pachic ultic argixerolls	Pachic Ultic Argixerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,464	pachic argixerolls	Pachic Argixerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,465	torrertic argixerolls	Torrertic Argixerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,466	ultic argixerolls	Ultic Argixerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,467	vertic argixerolls	Vertic Argixerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1,468	vitrandic argixerolls	Vitrandic Argixerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,469	vitritorrandic argixerolls	Vitritorrandic Argixerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,470	typic calcixerolls	Typic Calcixerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,471	aquic calcixerolls	Aquic Calcixerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,472	aridic calcixerolls	Aridic Calcixerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,473	lithic calcixerolls	Lithic Calcixerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,474	oxyaquic calcixerolls	Oxyaquic Calcixerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,475	pachic calcixerolls	Pachic Calcixerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
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No	1,477	vermic calcixerolls	Vermic Calcixerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,478	typic durixerolls	Typic Durixerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,481	aquic durixerolls	Aquic Durixerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,485	haplic durixerolls	Haplic Durixerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,487	vertic durixerolls	Vertic Durixerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,488	vitrandic durixerolls	Vitrandic Durixerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,489	vitritorrandic durixerolls	Vitritorrandic Durixerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,490	oxyaquic haploxerolls	Oxyaquic Haploxerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
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No	1,492	aquic haploxerolls	Aquic Haploxerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,493	aquic duric haploxerolls	Aquic Duric Haploxerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,494	aquultic haploxerolls	Aquultic Haploxerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,495	aridic haploxerolls	Aridic Haploxerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,497	calcic pachic haploxerolls	Calcic Pachic Haploxerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
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No	1,500	cumulic ultic haploxerolls	Cumulic Ultic Haploxerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,501	cumulic haploxerolls	Cumulic Haploxerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,502	duric haploxerolls	Duric Haploxerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,503	entic ultic haploxerolls	Entic Ultic Haploxerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,504	entic haploxerolls	Entic Haploxerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,505	fluvaquentic haploxerolls	Fluvaquentic Haploxerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,506	fluventic haploxerolls	Fluventic Haploxerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,507	lithic haploxerolls	Lithic Haploxerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,508	lithic ultic haploxerolls	Lithic Ultic Haploxerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,509	pachic ultic haploxerolls	Pachic Ultic Haploxerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1,510	pachic haploxerolls	Pachic Haploxerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,511	torrifuventic haploxerolls	Torrifuventic Haploxerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,512	torriorthentic haploxerolls	Torriorthentic Haploxerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,513	torripsammentic haploxerolls	Torripsammentic Haploxerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,514	torrertic haploxerolls	Torrertic Haploxerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,515	ultic haploxerolls	Ultic Haploxerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,516	vertic haploxerolls	Vertic Haploxerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,517	vermic haploxerolls	Vermic Haploxerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,518	vitrandic haploxerolls	Vitrandic Haploxerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,519	vitritorrandic haploxerolls	Vitritorrandic Haploxerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,520	typic natrixerolls	Typic Natrixerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,521	aquic natrixerolls	Aquic Natrixerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,522	aquic duric natrixerolls	Aquic Duric Natrixerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,523	aridic natrixerolls	Aridic Natrixerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,524	duric natrixerolls	Duric Natrixerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,525	vertic natrixerolls	Vertic Natrixerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,526	typic palexerolls	Typic Palexerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
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No	1,528	aridic palexerolls	Aridic Palexerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,530	haplic palexerolls	Haplic Palexerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,532	pachic palexerolls	Pachic Palexerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,533	petrocalcic palexerolls	Petrocalcic Palexerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,534	ultic palexerolls	Ultic Palexerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,535	vertic palexerolls	Vertic Palexerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,536	typic acraquox	Typic Acraquox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,537	aeric acraquox	Aeric Acraquox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,538	plinthic acraquox	Plinthic Acraquox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,539	typic eutraquox	Typic Eutraquox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,540	aeric eutraquox	Aeric Eutraquox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,541	histic eutraquox	Histic Eutraquox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,542	humic eutraquox	Humic Eutraquox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,543	plinthic eutraquox	Plinthic Eutraquox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,544	typic haplaquox	Typic Haplaquox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,545	aeric haplaquox	Aeric Haplaquox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service



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No	1,546	histic haplaquox	Histic Haplaquox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,547	humic haplaquox	Humic Haplaquox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,548	plinthic haplaquox	Plinthic Haplaquox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,549	typic plinthaquox	Typic Plinthaquox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,550	aeric plinthaquox	Aeric Plinthaquox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
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No	1,552	anionic acroperox	Anionic Acroperox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,553	aquic acroperox	Aquic Acroperox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,554	aquic lithic acroperox	Aquic Lithic Acroperox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,555	aquic petroferic acroperox	Aquic Petroferic Acroperox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,556	humic rhodic acroperox	Humic Rhodic Acroperox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,557	humic xanthic acroperox	Humic Xanthic Acroperox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,558	humic acroperox	Humic Acroperox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,559	lithic acroperox	Lithic Acroperox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,560	petroferic acroperox	Petroferic Acroperox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,561	plinthic acroperox	Plinthic Acroperox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,562	rhodic acroperox	Rhodic Acroperox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1,563	xanthic acroperox	Xanthic Acroperox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,564	typic eutroperox	Typic Eutroperox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,565	aquic eutroperox	Aquic Eutroperox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,566	aquic lithic eutroperox	Aquic Lithic Eutroperox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,567	aquic petroferic eutroperox	Aquic Petroferic Eutroperox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,568	humic rhodic eutroperox	Humic Rhodic Eutroperox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,569	humic xanthic eutroperox	Humic Xanthic Eutroperox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,570	humic eutroperox	Humic Eutroperox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,571	inceptic eutroperox	Inceptic Eutroperox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,572	kandiudalfic eutroperox	Kandiudalfic Eutroperox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,573	lithic eutroperox	Lithic Eutroperox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,574	petroferic eutroperox	Petroferic Eutroperox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,575	plinthic eutroperox	Plinthic Eutroperox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,576	plinthaquic eutroperox	Plinthaquic Eutroperox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,577	rhodic eutroperox	Rhodic Eutroperox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,579	xanthic eutroperox	Xanthic Eutroperox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,580	typic haploperox	Typic Haploperox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1,581	andic haploperox	Andic Haploperox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,582	aquic haploperox	Aquic Haploperox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,583	aquic lithic haploperox	Aquic Lithic Haploperox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,584	aquic petroferic haploperox	Aquic Petroferic Haploperox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,585	humic rhodic haploperox	Humic Rhodic Haploperox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,586	humic xanthic haploperox	Humic Xanthic Haploperox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,587	humic haploperox	Humic Haploperox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,588	lithic haploperox	Lithic Haploperox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,589	petroferic haploperox	Petroferic Haploperox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,590	plinthic haploperox	Plinthic Haploperox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,591	plinthaquic haploperox	Plinthaquic Haploperox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,592	rhodic haploperox	Rhodic Haploperox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,593	xanthic haploperox	Xanthic Haploperox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,594	typic kandiperox	Typic Kandiperox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,595	aquic kandiperox	Aquic Kandiperox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,596	aquic lithic kandiperox	Aquic Lithic Kandiperox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,597	aquic petroferic kandiperox	Aquic Petroferic Kandiperox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1,598	humic rhodic kandiperox	Humic Rhodic Kandiperox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,599	humic xanthic kandiperox	Humic Xanthic Kandiperox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,600	humic kandiperox	Humic Kandiperox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,601	lithic kandiperox	Lithic Kandiperox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,602	petroferric kandiperox	Petroferric Kandiperox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,603	plinthic kandiperox	Plinthic Kandiperox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,604	plinthaquic kandiperox	Plinthaquic Kandiperox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,605	rhodic kandiperox	Rhodic Kandiperox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,606	xanthic kandiperox	Xanthic Kandiperox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,607	typic sombriperox	Typic Sombriperox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,608	humic sombriperox	Humic Sombriperox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,609	lithic sombriperox	Lithic Sombriperox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,610	petroferric sombriperox	Petroferric Sombriperox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,611	typic acrotorrox	Typic Acrotorrox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,612	lithic acrotorrox	Lithic Acrotorrox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,613	petroferric acrotorrox	Petroferric Acrotorrox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,614	typic eutrotorrox	Typic Eutrotorrox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

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No	1,616	petroferric eutrotorrox	Petroferric Eutrotorrox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,617	typic haplotorrox	Typic Haplotorrox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,618	lithic haplotorrox	Lithic Haplotorrox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,619	petroferric haplotorrox	Petroferric Haplotorrox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,620	typic acrudox	Typic Acrudox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,621	anionic acrudox	Anionic Acrudox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,622	anionic aquic acrudox	Anionic Aquic Acrudox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,623	aquic acrudox	Aquic Acrudox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,624	aquic lithic acrudox	Aquic Lithic Acrudox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,625	aquic petroferric acrudox	Aquic Petroferric Acrudox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,626	eutric acrudox	Eutric Acrudox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,627	humic rhodic acrudox	Humic Rhodic Acrudox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,628	humic xanthic acrudox	Humic Xanthic Acrudox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,629	humic acrudox	Humic Acrudox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,630	lithic acrudox	Lithic Acrudox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,631	petroferric acrudox	Petroferric Acrudox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1,632	plinthic acrudox	Plinthic Acrudox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,633	rhodic acrudox	Rhodic Acrudox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,634	xanthic acrudox	Xanthic Acrudox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,635	typic eutrudox	Typic Eutrudox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,636	aquic eutrudox	Aquic Eutrudox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,637	aquic lithic eutrudox	Aquic Lithic Eutrudox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,638	aquic petroferic eutrudox	Aquic Petroferic Eutrudox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,639	humic rhodic eutrudox	Humic Rhodic Eutrudox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,640	humic xanthic eutrudox	Humic Xanthic Eutrudox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,641	humic eutrudox	Humic Eutrudox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,642	inceptic eutrudox	Inceptic Eutrudox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
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No	1,644	lithic eutrudox	Lithic Eutrudox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,645	petroferic eutrudox	Petroferic Eutrudox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,646	plinthic eutrudox	Plinthic Eutrudox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,647	plinthaquic eutrudox	Plinthaquic Eutrudox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,648	rhodic eutrudox	Rhodic Eutrudox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1,650	xanthic eutrudox	Xanthic Eutrudox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,651	typic hapludox	Typic Hapludox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,652	andic hapludox	Andic Hapludox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,653	aquic hapludox	Aquic Hapludox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,654	aquic lithic hapludox	Aquic Lithic Hapludox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,655	aquic petroferric hapludox	Aquic Petroferric Hapludox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,656	humic rhodic hapludox	Humic Rhodic Hapludox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
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No	1,662	plinthic hapludox	Plinthic Hapludox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,663	plinthaquic hapludox	Plinthaquic Hapludox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,664	rhodic hapludox	Rhodic Hapludox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,665	xanthic hapludox	Xanthic Hapludox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,666	typic kandiudox	Typic Kandiudox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

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No	1,668	aquic kandiodox	Aquic Kandiodox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,669	aquic lithic kandiodox	Aquic Lithic Kandiodox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,670	aquic petroferic kandiodox	Aquic Petroferic Kandiodox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,671	humic rhodic kandiodox	Humic Rhodic Kandiodox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,672	humic xanthic kandiodox	Humic Xanthic Kandiodox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,673	humic kandiodox	Humic Kandiodox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,674	lithic kandiodox	Lithic Kandiodox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,675	petroferic kandiodox	Petroferic Kandiodox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,676	plinthic kandiodox	Plinthic Kandiodox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,677	plinthaquic kandiodox	Plinthaquic Kandiodox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,678	rhodic kandiodox	Rhodic Kandiodox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,679	xanthic kandiodox	Xanthic Kandiodox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,680	typic sombriodox	Typic Sombriodox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,681	humic sombriodox	Humic Sombriodox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,682	lithic sombriodox	Lithic Sombriodox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,683	petroferic sombriodox	Petroferic Sombriodox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service



Obsolete?	ID	Data Entry Text	Label Text	Description
No	1,684	typic acrustox	Typic Acrustox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,685	anionic acrustox	Anionic Acrustox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,686	anionic aquic acrustox	Anionic Aquic Acrustox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,687	aquic acrustox	Aquic Acrustox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,688	aquic lithic acrustox	Aquic Lithic Acrustox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,689	aquic petroferic acrustox	Aquic Petroferic Acrustox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,690	eutric acrustox	Eutric Acrustox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,691	humic rhodic acrustox	Humic Rhodic Acrustox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,692	humic xanthic acrustox	Humic Xanthic Acrustox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,693	humic acrustox	Humic Acrustox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,694	lithic acrustox	Lithic Acrustox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,695	petroferic acrustox	Petroferic Acrustox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,696	plinthic acrustox	Plinthic Acrustox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,697	rhodic acrustox	Rhodic Acrustox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,698	xanthic acrustox	Xanthic Acrustox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,699	typic eustrtox	Typic Eustrtox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,700	aquic eustrtox	Aquic Eustrtox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1,701	aquic lithic eustrustox	Aquic Lithic Eustrustox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,702	aquic petroferic eustrustox	Aquic Petroferic Eustrustox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,703	humic rhodic eustrustox	Humic Rhodic Eustrustox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,704	humic xanthic eustrustox	Humic Xanthic Eustrustox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,705	humic eustrustox	Humic Eustrustox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,706	inceptic eustrustox	Inceptic Eustrustox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,707	kandiustalfic eustrustox	Kandiustalfic Eustrustox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,708	lithic eustrustox	Lithic Eustrustox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,709	petroferic eustrustox	Petroferic Eustrustox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,710	plinthic eustrustox	Plinthic Eustrustox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,711	plinthaquic eustrustox	Plinthaquic Eustrustox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,712	rhodic eustrustox	Rhodic Eustrustox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,714	xanthic eustrustox	Xanthic Eustrustox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,715	oxyaquic haplustox	Oxyaquic Haplustox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,716	typic haplustox	Typic Haplustox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,717	aqueptic haplustox	Aqueptic Haplustox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,718	aquic haplustox	Aquic Haplustox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1,719	aquic lithic haplustox	Aquic Lithic Haplustox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,720	aquic petroferic haplustox	Aquic Petroferic Haplustox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,721	humic rhodic haplustox	Humic Rhodic Haplustox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,722	humic xanthic haplustox	Humic Xanthic Haplustox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,723	humic haplustox	Humic Haplustox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,724	inceptic haplustox	Inceptic Haplustox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,725	lithic haplustox	Lithic Haplustox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,726	petroferic haplustox	Petroferic Haplustox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,727	plinthic haplustox	Plinthic Haplustox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,728	plinthaquic haplustox	Plinthaquic Haplustox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,729	rhodic haplustox	Rhodic Haplustox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,730	xanthic haplustox	Xanthic Haplustox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,731	typic kandistox	Typic Kandistox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,732	aquic kandistox	Aquic Kandistox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,733	aquic lithic kandistox	Aquic Lithic Kandistox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,734	aquic petroferic kandistox	Aquic Petroferic Kandistox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,735	humic rhodic kandistox	Humic Rhodic Kandistox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1,736	humic xanthic kandiuustox	Humic Xanthic Kandiuustox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,737	humic kandiuustox	Humic Kandiuustox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,738	lithic kandiuustox	Lithic Kandiuustox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,739	petroferric kandiuustox	Petroferric Kandiuustox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,740	plinthic kandiuustox	Plinthic Kandiuustox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,741	plinthaquic kandiuustox	Plinthaquic Kandiuustox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,742	rhodic kandiuustox	Rhodic Kandiuustox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,743	xanthic kandiuustox	Xanthic Kandiuustox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,744	typic sombriustox	Typic Sombriustox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,745	humic sombriustox	Humic Sombriustox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,746	lithic sombriustox	Lithic Sombriustox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,747	petroferric sombriustox	Petroferric Sombriustox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,748	typic alaquods	Typic Alaquods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,749	aeric alaquods	Aeric Alaquods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,750	alfic alaquods	Alfic Alaquods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,751	alfic arenic alaquods	Alfic Arenic Alaquods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,752	arenic ultic alaquods	Arenic Ultic Alaquods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1,753	arenic alaquods	Arenic Alaquods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,754	duric alaquods	Duric Alaquods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,755	grossarenic alaquods	Grossarenic Alaquods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,756	histic alaquods	Histic Alaquods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,757	lithic alaquods	Lithic Alaquods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,758	ultic alaquods	Ultic Alaquods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,759	typic cryaquods	Typic Cryaquods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,760	andic cryaquods	Andic Cryaquods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,761	duric cryaquods	Duric Cryaquods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,762	entic cryaquods	Entic Cryaquods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,763	lithic cryaquods	Lithic Cryaquods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,765	placic cryaquods	Placic Cryaquods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,766	typic duraquods	Typic Duraquods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,767	andic duraquods	Andic Duraquods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,768	histic duraquods	Histic Duraquods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,769	typic endoaquods	Typic Endoaquods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,770	andic endoaquods	Andic Endoaquods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

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No	1,771	argic endoaquods	Argic Endoaquods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,772	histic endoaquods	Histic Endoaquods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,773	umbric endoaquods	Umbric Endoaquods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,774	typic epiaquods	Typic Epiaquods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,775	alfic epiaquods	Alfic Epiaquods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,776	andic epiaquods	Andic Epiaquods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,777	histic epiaquods	Histic Epiaquods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,778	lithic epiaquods	Lithic Epiaquods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,779	ultic epiaquods	Ultic Epiaquods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,780	umbric epiaquods	Umbric Epiaquods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,781	typic fragiaquods	Typic Fragiaquods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,782	argic fragiaquods	Argic Fragiaquods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,783	histic fragiaquods	Histic Fragiaquods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,785	typic placaquods	Typic Placaquods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,786	andic placaquods	Andic Placaquods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,787	typic duricryods	Typic Duricryods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,788	andic duricryods	Andic Duricryods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1,789	aquandic duricryods	Aquandic Duricryods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,790	aquic duricryods	Aquic Duricryods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,791	humic duricryods	Humic Duricryods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,792	oxyaquic duricryods	Oxyaquic Duricryods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,793	typic haplocryods	Typic Haplocryods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,794	andic haplocryods	Andic Haplocryods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,795	aquandic haplocryods	Aquandic Haplocryods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,796	aquic haplocryods	Aquic Haplocryods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,797	entic haplocryods	Entic Haplocryods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,798	lithic haplocryods	Lithic Haplocryods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,799	oxyaquic haplocryods	Oxyaquic Haplocryods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,801	typic humicryods	Typic Humicryods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,802	andic humicryods	Andic Humicryods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,803	aquandic humicryods	Aquandic Humicryods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,804	aquic humicryods	Aquic Humicryods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,805	lithic humicryods	Lithic Humicryods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,806	oxyaquic humicryods	Oxyaquic Humicryods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1,808	typic placocryods	Typic Placocryods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,809	andic placocryods	Andic Placocryods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,810	humic placocryods	Humic Placocryods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,811	typic fragihumods	Typic Fragihumods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,812	typic haplohumods	Typic Haplohumods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,813	andic haplohumods	Andic Haplohumods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,814	lithic haplohumods	Lithic Haplohumods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,816	typic durihumods	Typic Durihumods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,817	andic durihumods	Andic Durihumods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,818	typic placohumods	Typic Placohumods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,819	andic placohumods	Andic Placohumods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,821	typic alorthods	Typic Alorthods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,822	alfic alorthods	Alfic Alorthods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,823	arenic ultic alorthods	Arenic Ultic Alorthods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,824	arenic alorthods	Arenic Alorthods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,825	entic alorthods	Entic Alorthods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,827	grossarenic alorthods	Grossarenic Alorthods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service



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No	1,828	oxyaquic alorthods	Oxyaquic Alorthods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,830	ultic alorthods	Ultic Alorthods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,831	typic durorthods	Typic Durorthods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,832	andic durorthods	Andic Durorthods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,833	typic fragiorthods	Typic Fragiorthods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,834	alfic fragiorthods	Alfic Fragiorthods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,835	aquic fragiorthods	Aquic Fragiorthods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,836	entic fragiorthods	Entic Fragiorthods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
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No	1,839	ultic fragiorthods	Ultic Fragiorthods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
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No	1,841	alfic haplorthods	Alfic Haplorthods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,842	andic haplorthods	Andic Haplorthods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,843	aquentic haplorthods	Aquentic Haplorthods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,844	aquic haplorthods	Aquic Haplorthods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,845	aqualfic haplorthods	Aqualfic Haplorthods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,846	entic lithic haplorthods	Entic Lithic Haplorthods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1,847	entic haplorthods	Entic Haplorthods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,848	lithic haplorthods	Lithic Haplorthods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,849	oxyaquic haplorthods	Oxyaquic Haplorthods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,850	ultic haplorthods	Ultic Haplorthods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,851	typic placorthods	Typic Placorthods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,852	typic albaquults	Typic Albaquults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,853	aeric albaquults	Aeric Albaquults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,854	vertic albaquults	Vertic Albaquults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,855	typic endoaquults	Typic Endoaquults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,856	aeric endoaquults	Aeric Endoaquults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,857	arenic endoaquults	Arenic Endoaquults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,858	grossarenic endoaquults	Grossarenic Endoaquults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,859	typic epiaquults	Typic Epiaquults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,860	aeric epiaquults	Aeric Epiaquults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,861	arenic epiaquults	Arenic Epiaquults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,862	grossarenic epiaquults	Grossarenic Epiaquults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,863	vertic epiaquults	Vertic Epiaquults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1,864	typic fragiaquults	Typic Fragiaquults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,865	aeric fragiaquults	Aeric Fragiaquults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,867	plinthic fragiaquults	Plinthic Fragiaquults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,868	umbric fragiaquults	Umbric Fragiaquults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,869	typic kandiaquults	Typic Kandiaquults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,871	aeric kandiaquults	Aeric Kandiaquults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,872	arenic plinthic kandiaquults	Arenic Plinthic Kandiaquults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,873	arenic umbric kandiaquults	Arenic Umbric Kandiaquults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,874	arenic kandiaquults	Arenic Kandiaquults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,875	grossarenic kandiaquults	Grossarenic Kandiaquults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,876	plinthic kandiaquults	Plinthic Kandiaquults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,877	umbric kandiaquults	Umbric Kandiaquults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,878	typic kanhaplaquults	Typic Kanhaplaquults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,879	aeric umbric kanhaplaquults	Aeric Umbric Kanhaplaquults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,880	aeric kanhaplaquults	Aeric Kanhaplaquults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,881	aquandic kanhaplaquults	Aquandic Kanhaplaquults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,882	plinthic kanhaplaquults	Plinthic Kanhaplaquults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1,883	umbric kanhaplaquults	Umbric Kanhaplaquults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,884	typic paleaquults	Typic Paleaquults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,885	aeric paleaquults	Aeric Paleaquults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,886	arenic plinthic paleaquults	Arenic Plinthic Paleaquults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,887	arenic umbric paleaquults	Arenic Umbric Paleaquults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,888	arenic paleaquults	Arenic Paleaquults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,889	grossarenic paleaquults	Grossarenic Paleaquults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,890	plinthic paleaquults	Plinthic Paleaquults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,891	umbric paleaquults	Umbric Paleaquults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,892	vertic paleaquults	Vertic Paleaquults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,893	typic plinthaquults	Typic Plinthaquults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,894	kandic plinthaquults	Kandic Plinthaquults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,895	typic umbraquults	Typic Umbraquults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,896	plinthic umbraquults	Plinthic Umbraquults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,897	typic haplohumults	Typic Haplohumults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,898	andic haplohumults	Andic Haplohumults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,899	aquic haplohumults	Aquic Haplohumults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

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No	1,900	lithic haplohumults	Lithic Haplohumults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,901	plinthic haplohumults	Plinthic Haplohumults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,902	ustic haplohumults	Ustic Haplohumults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,903	xeric haplohumults	Xeric Haplohumults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,904	typic kandihumults	Typic Kandihumults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,905	andic ombroaquic kandihumults	Andic Ombroaquic Kandihumults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,906	anthropic kandihumults	Anthropic Kandihumults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,907	andic kandihumults	Andic Kandihumults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,908	aquic kandihumults	Aquic Kandihumults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,909	ombroaquic kandihumults	Ombroaquic Kandihumults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,910	plinthic kandihumults	Plinthic Kandihumults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,911	ustandic kandihumults	Ustandic Kandihumults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,912	ustic kandihumults	Ustic Kandihumults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,913	xeric kandihumults	Xeric Kandihumults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,914	typic kanhaplohumults	Typic Kanhaplohumults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,915	anthropic kanhaplohumults	Anthropic Kanhaplohumults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,916	andic kanhaplohumults	Andic Kanhaplohumults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

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No	1,917	aquic kanhaplohumults	Aquic Kanhaplohumults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,918	lithic kanhaplohumults	Lithic Kanhaplohumults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,919	ombroaquic kanhaplohumults	Ombroaquic Kanhaplohumults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,920	ustandic kanhaplohumults	Ustandic Kanhaplohumults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,921	ustic kanhaplohumults	Ustic Kanhaplohumults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,922	xeric kanhaplohumults	Xeric Kanhaplohumults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,923	typic palehumults	Typic Palehumults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,924	andic palehumults	Andic Palehumults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,925	aquic palehumults	Aquic Palehumults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,926	plinthic palehumults	Plinthic Palehumults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,927	ustic palehumults	Ustic Palehumults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,928	xeric palehumults	Xeric Palehumults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,929	typic fragiudults	Typic Fragiudults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,930	aquic fragiudults	Aquic Fragiudults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,931	arenic fragiudults	Arenic Fragiudults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,932	glossaquic fragiudults	Glossaquic Fragiudults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,933	glossic fragiudults	Glossic Fragiudults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

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No	1,934	humic fragiudults	Humic Fragiudults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,935	plinthic fragiudults	Plinthic Fragiudults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,936	plinthaquic fragiudults	Plinthaquic Fragiudults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,937	typic hapludults	Typic Hapludults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,938	aquic hapludults	Aquic Hapludults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,939	arenic hapludults	Arenic Hapludults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,940	grossarenic hapludults	Grossarenic Hapludults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,941	humic hapludults	Humic Hapludults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,942	lithic hapludults	Lithic Hapludults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,944	oxyaquic hapludults	Oxyaquic Hapludults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,945	psammentic hapludults	Psammentic Hapludults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,947	vertic hapludults	Vertic Hapludults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,948	typic kandiudults	Typic Kandiuults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,949	andic kandiudults	Andic Kandiuults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,950	aquandic kandiudults	Aquandic Kandiuults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,951	aquic kandiudults	Aquic Kandiuults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,952	aquic arenic kandiudults	Aquic Arenic Kandiuults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1,953	arenic plinthaquic kandiudults	Arenic Plinthaquic Kandiudults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,954	arenic plinthic kandiudults	Arenic Plinthic Kandiudults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,955	arenic rhodic kandiudults	Arenic Rhodic Kandiudults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,956	arenic kandiudults	Arenic Kandiudults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,957	acrudoxic plinthic kandiudults	Acrudoxic Plinthic Kandiudults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,958	acrudoxic kandiudults	Acrudoxic Kandiudults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,959	grossarenic plinthic kandiudults	Grossarenic Plinthic Kandiudults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,960	grossarenic kandiudults	Grossarenic Kandiudults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,961	ombroaquic kandiudults	Ombroaquic Kandiudults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,962	oxyaquic kandiudults	Oxyaquic Kandiudults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,963	plinthic kandiudults	Plinthic Kandiudults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,964	plinthaquic kandiudults	Plinthaquic Kandiudults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,965	rhodic kandiudults	Rhodic Kandiudults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,966	sombric kandiudults	Sombric Kandiudults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,967	typic kanhapludults	Typic Kanhapludults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,968	andic kanhapludults	Andic Kanhapludults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,969	aquic kanhapludults	Aquic Kanhapludults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service



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No	1,970	arenic plinthic kanhapludults	Arenic Plinthic Kanhapludults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,971	arenic kanhapludults	Arenic Kanhapludults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,972	acrudoxic kanhapludults	Acrudoxic Kanhapludults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,973	lithic kanhapludults	Lithic Kanhapludults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,974	ombroaquic kanhapludults	Ombroaquic Kanhapludults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,975	oxyaquic kanhapludults	Oxyaquic Kanhapludults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,976	plinthic kanhapludults	Plinthic Kanhapludults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,977	plinthaquic kanhapludults	Plinthaquic Kanhapludults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,978	rhodic kanhapludults	Rhodic Kanhapludults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,979	typic paleudults	Typic Paleudults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,980	anthraquic paleudults	Anthraquic Paleudults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,981	aquic paleudults	Aquic Paleudults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,982	aquic arenic paleudults	Aquic Arenic Paleudults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,983	arenic plinthaquic paleudults	Arenic Plinthaquic Paleudults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,984	arenic plinthic paleudults	Arenic Plinthic Paleudults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,985	arenic rhodic paleudults	Arenic Rhodic Paleudults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,986	arenic paleudults	Arenic Paleudults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
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No	1,988	fragic paleudults	Fragic Paleudults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,989	grossarenic plinthic paleudults	Grossarenic Plinthic Paleudults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,990	grossarenic paleudults	Grossarenic Paleudults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,991	plinthic paleudults	Plinthic Paleudults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,992	plinthaquic paleudults	Plinthaquic Paleudults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,993	psammentic paleudults	Psammentic Paleudults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,995	rhodic paleudults	Rhodic Paleudults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,996	spodic paleudults	Spodic Paleudults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,997	vertic paleudults	Vertic Paleudults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,998	typic rhodudults	Typic Rhodudults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	1,999	lithic rhodudults	Lithic Rhodudults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,000	psammentic rhodudults	Psammentic Rhodudults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,001	typic haplustults	Typic Haplustults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,002	aquic haplustults	Aquic Haplustults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,003	arenic haplustults	Arenic Haplustults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,004	kanhaplic haplustults	Kanhaplic Haplustults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	2,005	lithic haplustults	Lithic Haplustults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,006	ombroaquic haplustults	Ombroaquic Haplustults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,007	petroferric haplustults	Petroferric Haplustults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,008	plinthic haplustults	Plinthic Haplustults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,009	typic kandiuults	Typic Kandiuults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
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No	2,018	udic kandiuults	Udic Kandiuults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,019	udandic kandiuults	Udandic Kandiuults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,020	typic kanhaplustults	Typic Kanhaplustults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,021	andic kanhaplustults	Andic Kanhaplustults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

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No	2,023	aridic kanhaplustults	Aridic Kanhaplustults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,024	arenic kanhaplustults	Arenic Kanhaplustults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,025	acrustoxic kanhaplustults	Acrustoxic Kanhaplustults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,026	lithic kanhaplustults	Lithic Kanhaplustults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,027	ombroaquic kanhaplustults	Ombroaquic Kanhaplustults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,028	plinthic kanhaplustults	Plinthic Kanhaplustults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,029	rhodic kanhaplustults	Rhodic Kanhaplustults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,030	udic kanhaplustults	Udic Kanhaplustults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,031	udandic kanhaplustults	Udandic Kanhaplustults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,032	typic rhodustults	Typic Rhodustults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,033	lithic rhodustults	Lithic Rhodustults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,034	psammentic rhodustults	Psammentic Rhodustults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,035	typic haploxerults	Typic Haploxerults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,036	andic haploxerults	Andic Haploxerults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,037	aquic haploxerults	Aquic Haploxerults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,038	arenic haploxerults	Arenic Haploxerults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

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No	2,039	grossarenic haploxerults	Grossarenic Haploxerults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,040	lithic haploxerults	Lithic Haploxerults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,041	psammentic haploxerults	Psammentic Haploxerults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,043	typic calciaquerts	Typic Calciaquerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,044	aeric calciaquerts	Aeric Calciaquerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,045	typic duraquerts	Typic Duraquerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,046	aeric duraquerts	Aeric Duraquerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,047	aridic duraquerts	Aridic Duraquerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,048	chromic duraquerts	Chromic Duraquerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,049	ustic duraquerts	Ustic Duraquerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,050	typic dystraquerts	Typic Dystraquerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,051	aeric dystraquerts	Aeric Dystraquerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,053	aridic dystraquerts	Aridic Dystraquerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,054	chromic dystraquerts	Chromic Dystraquerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,055	entic dystraquerts	Entic Dystraquerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,056	leptic dystraquerts	Leptic Dystraquerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,057	sulfaqueptic dystraquerts	Sulfaqueptic Dystraquerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

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No	2,059	typic endoaquerts	Typic Endoaquerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,060	aeric endoaquerts	Aeric Endoaquerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,061	aridic endoaquerts	Aridic Endoaquerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,062	chromic endoaquerts	Chromic Endoaquerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,063	entic endoaquerts	Entic Endoaquerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,064	halic endoaquerts	Halic Endoaquerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,065	leptic endoaquerts	Leptic Endoaquerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,066	sodic endoaquerts	Sodic Endoaquerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,067	ustic endoaquerts	Ustic Endoaquerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,068	xeric endoaquerts	Xeric Endoaquerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
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No	2,070	aeric epiaquerts	Aeric Epiaquerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,071	aridic epiaquerts	Aridic Epiaquerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,072	chromic epiaquerts	Chromic Epiaquerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,073	entic epiaquerts	Entic Epiaquerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,074	halic epiaquerts	Halic Epiaquerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

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No	2,076	ustic epiaquerts	Ustic Epiaquerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,077	xeric epiaquerts	Xeric Epiaquerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,078	typic natraquerts	Typic Natraquerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,079	typic salaquerts	Typic Salaquerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,080	aridic salaquerts	Aridic Salaquerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,081	chromic salaquerts	Chromic Salaquerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,082	entic salaquerts	Entic Salaquerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
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No	2,084	ustic salaquerts	Ustic Salaquerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,085	typic haplocryerts	Typic Haplocryerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,086	chromic haplocryerts	Chromic Haplocryerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,087	sodic haplocryerts	Sodic Haplocryerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,088	typic humicryerts	Typic Humicryerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,089	sodic humicryerts	Sodic Humicryerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,090	typic calcitorrerts	Typic Calcitorrerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,091	chromic calcitorrerts	Chromic Calcitorrerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

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No	2,094	petrocalcic calcitorrerts	Petrocalcic Calcitorrerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,095	typic gypsitorrerts	Typic Gypsitorrerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,096	chromic gypsitorrerts	Chromic Gypsitorrerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,097	typic haplotorrerts	Typic Haplotorrerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,098	chromic haplotorrerts	Chromic Haplotorrerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
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No	2,100	halic haplotorrerts	Halic Haplotorrerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
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No	2,102	sodic haplotorrerts	Sodic Haplotorrerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,103	typic salitorrerts	Typic Salitorrerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,104	aquic salitorrerts	Aquic Salitorrerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,105	chromic salitorrerts	Chromic Salitorrerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,106	entic salitorrerts	Entic Salitorrerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,107	leptic salitorrerts	Leptic Salitorrerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,108	typic dystroderts	Typic Dystroderts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service



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No	2,110	aquic dystruderts	Aquic Dystruderts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,111	chromic dystruderts	Chromic Dystruderts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,112	entic dystruderts	Entic Dystruderts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,113	leptic dystruderts	Leptic Dystruderts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,114	oxyaquic dystruderts	Oxyaquic Dystruderts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,115	typic hapluderts	Typic Hapluderts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
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No	2,120	lithic hapluderts	Lithic Hapluderts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,121	oxyaquic hapluderts	Oxyaquic Hapluderts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
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No	2,123	aridic calciusterts	Aridic Calciusterts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,124	chromic calciusterts	Chromic Calciusterts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,125	entic calciusterts	Entic Calciusterts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,126	halic calciusterts	Halic Calciusterts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

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No	2,128	lithic calciusterts	Lithic Calciusterts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,129	petrocalcic calciusterts	Petrocalcic Calciusterts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,130	sodic calciusterts	Sodic Calciusterts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,131	udic calciusterts	Udic Calciusterts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,132	typic dystrusterts	Typic Dystrusterts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
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No	2,134	aridic dystrusterts	Aridic Dystrusterts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
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No	2,140	typic gypsiusterts	Typic Gypsiusterts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,141	aridic gypsiusterts	Aridic Gypsiusterts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,142	chromic gypsiusterts	Chromic Gypsiusterts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,143	entic gypsiusterts	Entic Gypsiusterts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

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No	2,145	leptic gypsiusterts	Leptic Gypsiusterts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
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No	2,151	chromic udic haplusterts	Chromic Udic Haplusterts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
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No	2,154	entic haplusterts	Entic Haplusterts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,155	halic haplusterts	Halic Haplusterts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,156	leptic udic haplusterts	Leptic Udic Haplusterts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
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No	2,158	lithic haplusterts	Lithic Haplusterts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,159	petrocalcic haplusterts	Petrocalcic Haplusterts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,160	sodic haplusterts	Sodic Haplusterts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

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No	2,162	typic salusterts	Typic Salusterts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,163	aquic salusterts	Aquic Salusterts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,164	aridic salusterts	Aridic Salusterts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
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No	2,176	petrocalcic calcixererts	Petrocalcic Calcixererts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,177	typic durixererts	Typic Durixererts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

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No	2,179	aridic durixererts	Aridic Durixererts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,180	chromic durixererts	Chromic Durixererts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,181	halic durixererts	Halic Durixererts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
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No	2,183	sodic durixererts	Sodic Durixererts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,184	udic durixererts	Udic Durixererts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
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No	2,193	sodic haploxererts	Sodic Haploxererts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,194	udic haploxererts	Udic Haploxererts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	2,195	sodic epiaquerts	Sodic Epiaquerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,196	pachic haplustands	Pachic Haplustands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,197	andic kandiperox	Andic Kandiperox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,250	lithic calciargids	Lithic Calciargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,251	xerertic calciargids	Xerertic Calciargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,252	ustertic calciargids	Ustertic Calciargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,253	vertic calciargids	Vertic Calciargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,254	aquic calciargids	Aquic Calciargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,255	arenic ustic calciargids	Arenic Ustic Calciargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,256	arenic calciargids	Arenic Calciargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,257	durinodic xeric calciargids	Durinodic Xeric Calciargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,258	durinodic calciargids	Durinodic Calciargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,259	petronodic calciargids	Petronodic Calciargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,260	vitrixerandic calciargids	Vitrixerandic Calciargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,261	vitrandic calciargids	Vitrandic Calciargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,262	xeric calciargids	Xeric Calciargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,263	ustic calciargids	Ustic Calciargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	2,264	typic calciargids	Typic Calciargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,265	aquic gypsiargids	Aquic Gypsiargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,266	durinodic gypsiargids	Durinodic Gypsiargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,267	vitrixerandic gypsiargids	Vitrixerandic Gypsiargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,268	vitrandic gypsiargids	Vitrandic Gypsiargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,269	xeric gypsiargids	Xeric Gypsiargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,270	ustic gypsiargids	Ustic Gypsiargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,271	typic gypsiargids	Typic Gypsiargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,272	lithic ruptic-entic haplargids	Lithic Ruptic-Entic Haplargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,273	lithic xeric haplargids	Lithic Xeric Haplargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,274	lithic ustic haplargids	Lithic Ustic Haplargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,275	arenic ustic haplargids	Arenic Ustic Haplargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,276	durinodic xeric haplargids	Durinodic Xeric Haplargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,277	durinodic haplargids	Durinodic Haplargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,278	petronodic haplargids	Petronodic Haplargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,279	vitrixerandic haplargids	Vitrixerandic Haplargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,280	vitrandic haplargids	Vitrandic Haplargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	2,281	xeric haplargids	Xeric Haplargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,282	ustic haplargids	Ustic Haplargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,283	lithic xeric natrargids	Lithic Xeric Natrargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,284	lithic ustic natrargids	Lithic Ustic Natrargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,285	durinodic xeric natrargids	Durinodic Xeric Natrargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,286	durinodic natrargids	Durinodic Natrargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,287	petronodic natrargids	Petronodic Natrargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,288	glossic ustic natrargids	Glossic Ustic Natrargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,289	haplic ustic natrargids	Haplic Ustic Natrargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,290	haploxeralfic natrargids	Haploxeralfic Natrargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,291	vitrixerandic natrargids	Vitrixerandic Natrargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,292	vitrandic natrargids	Vitrandic Natrargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,293	xeric natrargids	Xeric Natrargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,294	ustic natrargids	Ustic Natrargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,295	aquic paleargids	Aquic Paleargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,296	arenic ustic paleargids	Arenic Ustic Paleargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,297	arenic paleargids	Arenic Paleargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service



Obsolete?	ID	Data Entry Text	Label Text	Description
No	2,298	calcic paleargids	Calcic Paleargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,299	durinodic xeric paleargids	Durinodic Xeric Paleargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,300	durinodic paleargids	Durinodic Paleargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,301	petronodic paleargids	Petronodic Paleargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,302	vitrixerandic paleargids	Vitrixerandic Paleargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,303	vitrandic paleargids	Vitrandic Paleargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,304	xeric paleargids	Xeric Paleargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,305	ustic paleargids	Ustic Paleargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,306	petrogypsic ustic petroargids	Petrogypsic Ustic Petroargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,307	petrogypsic petroargids	Petrogypsic Petroargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,308	duric xeric petroargids	Duric Xeric Petroargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,309	duric petroargids	Duric Petroargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,310	xeric petroargids	Xeric Petroargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,311	ustic petroargids	Ustic Petroargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,312	typic petroargids	Typic Petroargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,313	lithic xeric haplocalcids	Lithic Xeric Haplocalcids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,314	lithic ustic haplocalcids	Lithic Ustic Haplocalcids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	2,315	lithic haplocalcids	Lithic Haplocalcids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,316	vertic haplocalcids	Vertic Haplocalcids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,317	aquic durinodic haplocalcids	Aquic Durinodic Haplocalcids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,318	aquic haplocalcids	Aquic Haplocalcids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,319	duric xeric haplocalcids	Duric Xeric Haplocalcids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,320	duric haplocalcids	Duric Haplocalcids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,321	durinodic xeric haplocalcids	Durinodic Xeric Haplocalcids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,322	durinodic haplocalcids	Durinodic Haplocalcids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,323	petronodic haplocalcids	Petronodic Haplocalcids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,324	sodic xeric haplocalcids	Sodic Xeric Haplocalcids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,325	sodic ustic haplocalcids	Sodic Ustic Haplocalcids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,326	sodic haplocalcids	Sodic Haplocalcids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,327	vitrikerandic haplocalcids	Vitrikerandic Haplocalcids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,328	vitrandic haplocalcids	Vitrandic Haplocalcids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,329	xeric haplocalcids	Xeric Haplocalcids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,330	ustic haplocalcids	Ustic Haplocalcids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,331	typic haplocalcids	Typic Haplocalcids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	2,332	aquic petrocalcids	Aquic Petrocalcids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,333	natric petrocalcids	Natric Petrocalcids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,334	xeralfic petrocalcids	Xeralfic Petrocalcids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,335	ustalfic petrocalcids	Ustalfic Petrocalcids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,336	argic petrocalcids	Argic Petrocalcids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,337	calcic petrocalcids	Calcic Petrocalcids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,340	xeric petrocalcids	Xeric Petrocalcids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,341	ustic petrocalcids	Ustic Petrocalcids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,342	typic petrocalcids	Typic Petrocalcids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,344	sodic aquicambids	Sodic Aquicambids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,345	durinodic xeric aquicambids	Durinodic Xeric Aquicambids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,346	durinodic aquicambids	Durinodic Aquicambids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,347	petronodic aquicambids	Petronodic Aquicambids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,348	vitrixerandic aquicambids	Vitrixerandic Aquicambids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,349	vitrandic aquicambids	Vitrandic Aquicambids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,350	fluventic aquicambids	Fluventic Aquicambids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,351	xeric aquicambids	Xeric Aquicambids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	2,352	ustic aquicambids	Ustic Aquicambids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,353	typic aquicambids	Typic Aquicambids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,354	lithic xeric haplocambids	Lithic Xeric Haplocambids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,355	lithic ustic haplocambids	Lithic Ustic Haplocambids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,356	lithic haplocambids	Lithic Haplocambids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,357	xerertic haplocambids	Xerertic Haplocambids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,358	ustertic haplocambids	Ustertic Haplocambids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,359	vertic haplocambids	Vertic Haplocambids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,360	durinodic xeric haplocambids	Durinodic Xeric Haplocambids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,361	durinodic haplocambids	Durinodic Haplocambids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,362	petronodic haplocambids	Petronodic Haplocambids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,363	sodic xeric haplocambids	Sodic Xeric Haplocambids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,364	sodic ustic haplocambids	Sodic Ustic Haplocambids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,365	sodic haplocambids	Sodic Haplocambids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,366	vitrixerandic haplocambids	Vitrixerandic Haplocambids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,367	vitrandic haplocambids	Vitrandic Haplocambids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,368	xerofluventic haplocambids	Xerofluventic Haplocambids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
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No	2,370	fluventic haplocambids	Fluventic Haplocambids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,371	xeric haplocambids	Xeric Haplocambids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,372	ustic haplocambids	Ustic Haplocambids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,373	typic haplocambids	Typic Haplocambids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,374	sodic petrocambids	Sodic Petrocambids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,375	vitrixerandic petrocambids	Vitrixerandic Petrocambids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,376	vitrandic petrocambids	Vitrandic Petrocambids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,377	xeric petrocambids	Xeric Petrocambids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,378	ustic petrocambids	Ustic Petrocambids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,379	typic petrocambids	Typic Petrocambids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,380	lithic argicryids	Lithic Argicryids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,381	vertic argicryids	Vertic Argicryids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,382	natric argicryids	Natric Argicryids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,383	vitrixerandic argicryids	Vitrixerandic Argicryids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,384	vitrandic argicryids	Vitrandic Argicryids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,385	xeric argicryids	Xeric Argicryids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
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No	2,387	typic argicryids	Typic Argicryids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
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No	2,389	vitrixerandic calcicryids	Vitrixerandic Calcicryids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,390	vitrandic calcicryids	Vitrandic Calcicryids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,391	xeric calcicryids	Xeric Calcicryids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,392	ustic calcicryids	Ustic Calcicryids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,393	typic calcicryids	Typic Calcicryids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,394	calcic gypsicryids	Calcic Gypsicryids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,395	vitrixerandic gypsicryids	Vitrixerandic Gypsicryids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,396	vitrandic gypsicryids	Vitrandic Gypsicryids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,397	typic gypsicryids	Typic Gypsicryids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,398	lithic haplocryids	Lithic Haplocryids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,399	vertic haplocryids	Vertic Haplocryids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,400	vitrixerandic haplocryids	Vitrixerandic Haplocryids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,401	vitrandic haplocryids	Vitrandic Haplocryids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,402	xeric haplocryids	Xeric Haplocryids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
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No	2,404	typic haplocryids	Typic Haplocryids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,405	duric xeric petrocryids	Duric Xeric Petrocryids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,406	duric petrocryids	Duric Petrocryids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,407	petrogypsic petrocryids	Petrogypsic Petrocryids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,408	xeric petrocryids	Xeric Petrocryids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,409	ustic petrocryids	Ustic Petrocryids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,410	typic petrocryids	Typic Petrocryids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,411	aquic salicryids	Aquic Salicryids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,412	typic salicryids	Typic Salicryids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,413	vertic argidurids	Vertic Argidurids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,414	aquic argidurids	Aquic Argidurids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,415	abruptic xeric argidurids	Abruptic Xeric Argidurids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,416	abruptic argidurids	Abruptic Argidurids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,417	haploxeralfic argidurids	Haploxeralfic Argidurids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,418	argidic argidurids	Argidic Argidurids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,419	vitrixerandic argidurids	Vitrixerandic Argidurids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	2,420	vitrandic argidurids	Vitrandic Argidurids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,421	xeric argidurids	Xeric Argidurids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,422	ustic argidurids	Ustic Argidurids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,423	typic argidurids	Typic Argidurids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,424	aquicambidic haplodurids	Aquicambidic Haplodurids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,425	aquic haplodurids	Aquic Haplodurids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,427	cambidic haplodurids	Cambidic Haplodurids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,428	vitrixerandic haplodurids	Vitrixerandic Haplodurids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,429	vitrandic haplodurids	Vitrandic Haplodurids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,430	xeric haplodurids	Xeric Haplodurids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,431	ustic haplodurids	Ustic Haplodurids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,432	typic haplodurids	Typic Haplodurids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,433	vertic natridurids	Vertic Natridurids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,434	aquic natrargidic natridurids	Aquic Natrargidic Natridurids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,435	aquic natridurids	Aquic Natridurids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,436	natrixeralfic natridurids	Natrixeralfic Natridurids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,437	natrargidic natridurids	Natrargidic Natridurids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service



Obsolete?	ID	Data Entry Text	Label Text	Description
No	2,438	vitrikerandic natridurids	Vitrikerandic Natridurids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,439	vitrandic natridurids	Vitrandic Natridurids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,440	xeric natridurids	Xeric Natridurids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,441	typic natridurids	Typic Natridurids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,442	lithic argigypsis	Lithic Argigypsis	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,443	vertic argigypsis	Vertic Argigypsis	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,444	calcic argigypsis	Calcic Argigypsis	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,445	petronodic argigypsis	Petronodic Argigypsis	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,446	vitrikerandic argigypsis	Vitrikerandic Argigypsis	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,447	vitrandic argigypsis	Vitrandic Argigypsis	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,448	xeric argigypsis	Xeric Argigypsis	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,449	ustic argigypsis	Ustic Argigypsis	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,450	typic argigypsis	Typic Argigypsis	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,451	lithic calcigypsis	Lithic Calcigypsis	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,452	petronodic calcigypsis	Petronodic Calcigypsis	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,453	vitrikerandic calcigypsis	Vitrikerandic Calcigypsis	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,454	vitrandic calcigypsis	Vitrandic Calcigypsis	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	2,455	xeric calcigypsid	Xeric Calcigypsid	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,456	ustic calcigypsid	Ustic Calcigypsid	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,457	typic calcigypsid	Typic Calcigypsid	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,458	lithic haplogypsid	Lithic Haplogypsid	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,459	leptic haplogypsid	Leptic Haplogypsid	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,460	sodic haplogypsid	Sodic Haplogypsid	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,461	petronodic haplogypsid	Petronodic Haplogypsid	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,462	vitrixerandic haplogypsid	Vitrixerandic Haplogypsid	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,463	vitrandic haplogypsid	Vitrandic Haplogypsid	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,464	xeric haplogypsid	Xeric Haplogypsid	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,465	ustic haplogypsid	Ustic Haplogypsid	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,466	typic haplogypsid	Typic Haplogypsid	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,467	lithic natrigypsid	Lithic Natrigypsid	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,468	vertic natrigypsid	Vertic Natrigypsid	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,469	petronodic natrigypsid	Petronodic Natrigypsid	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,470	vitrixerandic natrigypsid	Vitrixerandic Natrigypsid	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,471	vitrandic natrigypsid	Vitrandic Natrigypsid	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	2,472	xeric natrigypsid	Xeric Natrigypsid	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,473	ustic natrigypsid	Ustic Natrigypsid	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,474	typic natrigypsid	Typic Natrigypsid	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,475	petrocalcic petrogypsid	Petrocalcic Petrogypsid	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,476	calcic petrogypsid	Calcic Petrogypsid	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,477	vitrixerandic petrogypsid	Vitrixerandic Petrogypsid	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,478	vitrandic petrogypsid	Vitrandic Petrogypsid	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,479	xeric petrogypsid	Xeric Petrogypsid	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,480	ustic petrogypsid	Ustic Petrogypsid	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,481	typic petrogypsid	Typic Petrogypsid	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,482	gypsic aquisalids	Gypsic Aquisalids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,483	calcic aquisalids	Calcic Aquisalids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,484	typic aquisalids	Typic Aquisalids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,485	duric haplosalids	Duric Haplosalids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,486	petrogypsic haplosalids	Petrogypsic Haplosalids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,487	gypsic haplosalids	Gypsic Haplosalids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,488	calcic haplosalids	Calcic Haplosalids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	2,489	typic haplosalids	Typic Haplosalids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,490	paleargidic durixerolls	Paleargidic Durixerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,491	abruptic argiduridic durixerolls	Abruptic Argiduridic Durixerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,492	cambidic durixerolls	Cambidic Durixerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,493	haploduridic durixerolls	Haploduridic Durixerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,494	argidic durixerolls	Argidic Durixerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,495	argiduridic durixerolls	Argiduridic Durixerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,496	haplic palexerollic durixerolls	Haplic Palexerollic Durixerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,497	palexerollic durixerolls	Palexerollic Durixerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,498	haplic haploxerollic durixerolls	Haplic Haploxerollic Durixerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,499	haploxerollic durixerolls	Haploxerollic Durixerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,500	vitrandic cryopsamments	Vitrandic Cryopsamments	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,501	vitrandic torripsamments	Vitrandic Torripsamments	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,502	vitrandic xeropsamments	Vitrandic Xeropsamments	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,503	vitrandic calcixerolls	Vitrandic Calcixerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,504	humic epiaquepts	Humic Epiaquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,505	mollic epiaquepts	Mollic Epiaquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	2,506	aridic ustipsamments	Aridic Ustipsamments	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,507	udollic endoaqualfs	Udollic Endoaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,508	aeric vertic albaqualfs	Aeric Vertic Albaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,509	chromic vertic albaqualfs	Chromic Vertic Albaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,511	udollic epiaqualfs	Udollic Epiaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,512	aeric chromic vertic epiaqualfs	Aeric Chromic Vertic Epiaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,513	aeric vertic epiaqualfs	Aeric Vertic Epiaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,514	chromic vertic epiaqualfs	Chromic Vertic Epiaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,515	aquertic chromic hapludalfs	Aquertic Chromic Hapludalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,516	oxyaquic vertic hapludalfs	Oxyaquic Vertic Hapludalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,517	chromic vertic hapludalfs	Chromic Vertic Hapludalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,518	aquertic haplustalfs	Aquertic Haplustalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,519	oxyaquic vertic haplustalfs	Oxyaquic Vertic Haplustalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,520	aquertic paleustalfs	Aquertic Paleustalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,521	oxyaquic vertic paleustalfs	Oxyaquic Vertic Paleustalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,522	cumulic vertic endoaquolls	Cumulic Vertic Endoaquolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,523	fluvaquentic vertic endoaquolls	Fluvaquentic Vertic Endoaquolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	2,524	cumulic vertic epiaquolls	Cumulic Vertic Epiaquolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,525	fluvaquentic vertic epiaquolls	Fluvaquentic Vertic Epiaquolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,527	oxyaquic vertic argiudolls	Oxyaquic Vertic Argiudolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,528	ultic vitricryands	Ultic Vitricryands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,529	ultic haplustands	Ultic Haplustands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,530	ultic vitrixerands	Ultic Vitrixerands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,533	aquic cumulic hapludolls	Aquic Cumulic Hapludolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,534	aquic cumulic haplustolls	Aquic Cumulic Haplustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,535	aquic cumulic haploxerolls	Aquic Cumulic Haploxerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,536	xeric duraquerts	Xeric Duraquerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,537	lithic endoaquods	Lithic Endoaquods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,538	typic duraqualfs	Typic Duraqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,539	typic plinthaqualfs	Typic Plinthaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,541	salidic natrustalfs	Salidic Natrustalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,542	typic rhodudalfs	Typic Rhodudalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,543	typic durustalfs	Typic Durustalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,544	typic plinthustalfs	Typic Plinthustalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	2,545	typic plinthoxerafls	Typic Plinthoxerafls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,547	typic luvihemists	Typic Luvihemists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,551	typic plinthohumults	Typic Plinthohumults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,552	typic sombrihumults	Typic Sombrihumults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,553	typic plinthudults	Typic Plinthudults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,554	typic plinthustults	Typic Plinthustults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,555	typic palexerults	Typic Palexerults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,556	calcidic paleustalfs	Calcidic Paleustalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,559	durinodic xerofluvents	Durinodic Xerofluvents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,563	durinodic ustorthents	Durinodic Ustorthents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,564	durinodic xerorthents	Durinodic Xerorthents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,566	haploduridic torripsamments	Haploduridic Torripsamments	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,568	durinodic xeropsamments	Durinodic Xeropsamments	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,569	aquic durinodic xeropsamments	Aquic Durinodic Xeropsamments	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,570	salidic sulfaquepts	Salidic Sulfaquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,574	salidic calciustolls	Salidic Calciustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,575	argiduridic durustolls	Argiduridic Durustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	2,576	haploduridic durustolls	Haploduridic Durustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,577	salidic haplustolls	Salidic Haplustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,579	argiduridic argixerolls	Argiduridic Argixerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,580	calcidic haploxerolls	Calcidic Haploxerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,581	petrocalcic palexerolls	Petrocalcic Palexerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,582	typic paleustults	Typic Paleustults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,613	spodic vitricryands	Spodic Vitricryands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,775	entic grossarenic alorthods	Entic Grossarenic Alorthods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,778	acraquoxic kandiaquults	Acraquoxic Kandiaquults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,779	aeric fragic endoaqualfs	Aeric Fragic Endoaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,780	fragic endoaqualfs	Fragic Endoaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,781	aeric fragic epiaqualfs	Aeric Fragic Epiaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,782	fragic epiaqualfs	Fragic Epiaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,783	vermic fragiaqualfs	Vermic Fragiaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,784	aeric fragic glossaqualfs	Aeric Fragic Glossaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,785	fragic glossaqualfs	Fragic Glossaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,786	vermic natraqualfs	Vermic Natraqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service



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No	2,787	natric vermaqualfs	Natric Vermaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,788	typic vermaqualfs	Typic Vermaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,804	fragiaquic hapludalfs	Fragiaquic Hapludalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,805	fragic hapludalfs	Fragic Hapludalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,806	fragic oxyaquic hapludalfs	Fragic Oxyaquic Hapludalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,807	lamellic hapludalfs	Lamellic Hapludalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,809	fragiaquic paleudalfs	Fragiaquic Paleudalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,810	fragic paleudalfs	Fragic Paleudalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,811	lamellic paleudalfs	Lamellic Paleudalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,812	calcic haplustalfs	Calcic Haplustalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,813	calcic udic haplustalfs	Calcic Udic Haplustalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,814	calcicidic haplustalfs	Calcicidic Haplustalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,815	lamellic haplustalfs	Lamellic Haplustalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,817	torrertic haplustalfs	Torrertic Haplustalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,818	aquertic natrustalfs	Aquertic Natrustalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,819	aridic natrustalfs	Aridic Natrustalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,820	aridic leptic natrustalfs	Aridic Leptic Natrustalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	2,821	haplargidic natrustalfs	Haplargidic Natrustalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,822	leptic natrustalfs	Leptic Natrustalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,823	leptic torrertic natrustalfs	Leptic Torrertic Natrustalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,824	torrertic natrustalfs	Torrertic Natrustalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,825	lamellic paleustalfs	Lamellic Paleustalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,826	fragiaquic haploxeralfs	Fragiaquic Haploxeralfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,827	fragic haploxeralfs	Fragic Haploxeralfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,828	lamellic haploxeralfs	Lamellic Haploxeralfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,830	fragiaquic palexeralfs	Fragiaquic Palexeralfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,831	fragic palexeralfs	Fragic Palexeralfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,832	lamellic palexeralfs	Lamellic Palexeralfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,833	psammentic palexeralfs	Psammentic Palexeralfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,834	oxyaquic vitricryands	Oxyaquic Vitricryands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,835	thapto-histic hydraquents	Thapto-Histic Hydraquents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,836	aquertic udifluvents	Aquertic Udifluvents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,837	vertic udifluvents	Vertic Udifluvents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,838	aquertic ustifluvents	Aquertic Ustifluvents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

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No	2,839	torrertic ustifluvents	Torrertic Ustifluvents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,840	vitrandic ustorthents	Vitrandic Ustorthents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,841	vitritorrandic ustorthents	Vitritorrandic Ustorthents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,842	fragic endoaquepts	Fragic Endoaquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,843	fragic epiaquepts	Fragic Epiaquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,844	sodic vermaquepts	Sodic Vermaquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,845	typic vermaquepts	Typic Vermaquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,869	abruptic argiudolls	Abruptic Argiudolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,871	lamellic argiudolls	Lamellic Argiudolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,872	calciargidic argixerolls	Calciargidic Argixerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,873	alfic oxyaquic fragiorthods	Alfic Oxyaquic Fragiorthods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,874	alfic oxyaquic haplorthods	Alfic Oxyaquic Haplorthods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,875	fragiaquic haplorthods	Fragiaquic Haplorthods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,876	fragic haplorthods	Fragic Haplorthods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,877	lamellic haplorthods	Lamellic Haplorthods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,878	oxyaquic ultic haplorthods	Oxyaquic Ultic Haplorthods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,879	aeric fragic epiaquults	Aeric Fragic Epiaquults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

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No	2,880	fragic epiaquults	Fragic Epiaquults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,882	aquic arenic hapludults	Aquic Arenic Hapludults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,883	fragiaquic hapludults	Fragiaquic Hapludults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,884	fragic hapludults	Fragic Hapludults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,885	lamellic hapludults	Lamellic Hapludults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,886	fragiaquic kanhapludults	Fragiaquic Kanhapludults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,887	fragic kanhapludults	Fragic Kanhapludults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,888	lamellic paleudults	Lamellic Paleudults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,889	lamellic haploxerults	Lamellic Haploxerults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,890	fragiaquic glossudalfs	Fragiaquic Glossudalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,891	duric torrifluvents	Duric Torrifluvents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,892	duric xeric torrifluvents	Duric Xeric Torrifluvents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,894	duric torriorthents	Duric Torriorthents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,900	duridic haploxerolls	Duridic Haploxerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,903	typic cryaqualfs	Typic Cryaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,904	humic fragiaqualfs	Humic Fragiaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,905	umbric albaqualfs	Umbric Albaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	2,906	histic glossaqualfs	Histic Glossaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,907	chromic vertic endoaqualfs	Chromic Vertic Endoaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,908	vertic endoaqualfs	Vertic Endoaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,909	aeric umbric endoaqualfs	Aeric Umbric Endoaqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,910	andic palecryalfs	Andic Palecryalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,911	vitrandic palecryalfs	Vitrandic Palecryalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,912	aquic palecryalfs	Aquic Palecryalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,913	oxyaquic palecryalfs	Oxyaquic Palecryalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,914	xeric palecryalfs	Xeric Palecryalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,915	ustic palecryalfs	Ustic Palecryalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,916	mollic palecryalfs	Mollic Palecryalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,917	umbric palecryalfs	Umbric Palecryalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,918	typic palecryalfs	Typic Palecryalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,919	lithic glossocryalfs	Lithic Glossocryalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,920	vertic glossocryalfs	Vertic Glossocryalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,921	andic glossocryalfs	Andic Glossocryalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,922	vitrandic glossocryalfs	Vitrandic Glossocryalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

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No	2,923	aquic glossocryalfs	Aquic Glossocryalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,924	oxyaquic glossocryalfs	Oxyaquic Glossocryalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,925	fragic glossocryalfs	Fragic Glossocryalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,926	xerollic glossocryalfs	Xerollic Glossocryalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,927	umbric xeric glossocryalfs	Umbric Xeric Glossocryalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,928	ustollic glossocryalfs	Ustollic Glossocryalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,929	xeric glossocryalfs	Xeric Glossocryalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,930	ustic glossocryalfs	Ustic Glossocryalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,931	mollic glossocryalfs	Mollic Glossocryalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,932	umbric glossocryalfs	Umbric Glossocryalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,933	eutric glossocryalfs	Eutric Glossocryalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,934	typic glossocryalfs	Typic Glossocryalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,935	lithic haplocryalfs	Lithic Haplocryalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,936	vertic haplocryalfs	Vertic Haplocryalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,937	andic haplocryalfs	Andic Haplocryalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,938	vitrandic haplocryalfs	Vitrandic Haplocryalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,939	aquic haplocryalfs	Aquic Haplocryalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

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No	2,940	oxyaquic haplocryalfs	Oxyaquic Haplocryalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,941	lamellic haplocryalfs	Lamellic Haplocryalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,942	psammentic haplocryalfs	Psammentic Haplocryalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,943	inceptic haplocryalfs	Inceptic Haplocryalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,944	xerollic haplocryalfs	Xerollic Haplocryalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,945	umbric xeric haplocryalfs	Umbric Xeric Haplocryalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,946	ustollic haplocryalfs	Ustollic Haplocryalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,947	xeric haplocryalfs	Xeric Haplocryalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,948	ustic haplocryalfs	Ustic Haplocryalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,949	mollic haplocryalfs	Mollic Haplocryalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,950	umbric haplocryalfs	Umbric Haplocryalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,951	eutric haplocryalfs	Eutric Haplocryalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,952	typic haplocryalfs	Typic Haplocryalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,953	vitrandic haplustalfs	Vitrandic Haplustalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,954	inceptic haplustalfs	Inceptic Haplustalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,955	inceptic fragixeralfs	Inceptic Fragixeralfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,956	vertic rhodoxeralfs	Vertic Rhodoxeralfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

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No	2,957	inceptic rhodoxeralfs	Inceptic Rhodoxeralfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,958	lithic ruptic-inceptic haploxeralfs	Lithic Ruptic-Inceptic Haploxeralfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,959	inceptic haploxeralfs	Inceptic Haploxeralfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,960	glossaquic natrudalfs	Glossaquic Natrudalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,961	aquic natrudalfs	Aquic Natrudalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,962	andic fraglossudalfs	Andic Fraglossudalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,963	vitrandic fraglossudalfs	Vitrandic Fraglossudalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,964	andic fragiudalfs	Andic Fragiudalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,965	vitrandic fragiudalfs	Vitrandic Fragiudalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,966	andic paleudalfs	Andic Paleudalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,967	vitrandic paleudalfs	Vitrandic Paleudalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,968	aquertic glossudalfs	Aquertic Glossudalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,969	oxyaquic vertic glossudalfs	Oxyaquic Vertic Glossudalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,970	vertic glossudalfs	Vertic Glossudalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,971	inceptic hapludalfs	Inceptic Hapludalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,972	pachic melanaquands	Pachic Melanaquands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,974	pachic fulvicryands	Pachic Fulvicryands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service



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No	2,975	petrocalcic duritorrands	Petrocalcic Duritorrands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,976	vitric duritorrands	Vitric Duritorrands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,977	typic duritorrands	Typic Duritorrands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,978	lithic haplotorrands	Lithic Haplotorrands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,979	duric haplotorrands	Duric Haplotorrands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,980	calcic haplotorrands	Calcic Haplotorrands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,981	typic haplotorrands	Typic Haplotorrands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,982	hydric durudands	Hydric Durudands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,983	pachic durudands	Pachic Durudands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,984	eutric melanudands	Eutric Melanudands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,985	eutric lithic fulvudands	Eutric Lithic Fulvudands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,988	xereptic petrocryids	Xereptic Petrocryids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,989	xereptic haplodurids	Xereptic Haplodurids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,990	natric petroargids	Natric Petroargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,991	petronodic ustic paleargids	Petronodic Ustic Paleargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,992	petronodic xeric calciargids	Petronodic Xeric Calciargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,993	petronodic ustic calciargids	Petronodic Ustic Calciargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

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No	2,994	calcic lithic petrocalcids	Calcic Lithic Petrocalcids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,995	petronodic xeric haplocalcids	Petronodic Xeric Haplocalcids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,996	petronodic ustic haplocalcids	Petronodic Ustic Haplocalcids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,997	petronodic xeric haplocambids	Petronodic Xeric Haplocambids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,998	petronodic ustic haplocambids	Petronodic Ustic Haplocambids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2,999	thapto-histic sulfaquents	Thapto-Histic Sulfaquents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,000	sulfic hydraquents	Sulfic Hydraquents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,001	sodic hydraquents	Sodic Hydraquents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,002	sodic psammaquents	Sodic Psammaquents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,003	sodic endoaquents	Sodic Endoaquents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,009	lamellic cryopsamments	Lamellic Cryopsamments	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,010	rhodic torripsamments	Rhodic Torripsamments	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,011	lamellic ustic quartzipsamments	Lamellic Ustic Quartzipsamments	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,012	lamellic quartzipsamments	Lamellic Quartzipsamments	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,013	lamellic ustipsamments	Lamellic Ustipsamments	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,014	rhodic ustipsamments	Rhodic Ustipsamments	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,015	lamellic xeropsamments	Lamellic Xeropsamments	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	3,016	lamellic udipsamments	Lamellic Udipsamments	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,017	lamellic cryorthents	Lamellic Cryorthents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,018	aridic lithic ustorthents	Aridic Lithic Ustorthents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,019	torrertic ustorthents	Torrertic Ustorthents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,020	lithic folistels	Lithic Folistels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,021	glacic folistels	Glacic Folistels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,022	typic folistels	Typic Folistels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,023	hemic glacistels	Hemic Glacistels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,024	sapric glacistels	Sapric Glacistels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,025	typic glacistels	Typic Glacistels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,026	lithic fibristels	Lithic Fibristels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,027	terric fibristels	Terric Fibristels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,028	fluvaquentic fibristels	Fluvaquentic Fibristels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,029	sphagnic fibristels	Sphagnic Fibristels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,030	typic fibristels	Typic Fibristels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,031	lithic hemistels	Lithic Hemistels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,032	terric hemistels	Terric Hemistels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	3,033	fluvaquentic hemistels	Fluvaquentic Hemistels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,034	typic hemistels	Typic Hemistels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,035	lithic sapristels	Lithic Sapristels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,036	terric sapristels	Terric Sapristels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,037	fluvaquentic sapristels	Fluvaquentic Sapristels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,038	typic sapristels	Typic Sapristels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,039	lithic histoturbels	Lithic Histoturbels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,040	glacic histoturbels	Glacic Histoturbels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,041	ruptic histoturbels	Ruptic Histoturbels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,042	typic histoturbels	Typic Histoturbels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,043	lithic aquiturbels	Lithic Aquiturbels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,044	glacic aquiturbels	Glacic Aquiturbels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,045	sulfuric aquiturbels	Sulfuric Aquiturbels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,046	ruptic-histic aquiturbels	Ruptic-Histic Aquiturbels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,047	psammentic aquiturbels	Psammentic Aquiturbels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,048	typic aquiturbels	Typic Aquiturbels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,049	lithic anhyturbels	Lithic Anhyturbels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

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No	3,050	glacic anhyturbels	Glacic Anhyturbels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,051	petrogypsic anhyturbels	Petrogypsic Anhyturbels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,052	gypsic anhyturbels	Gypsic Anhyturbels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,053	nitric anhyturbels	Nitric Anhyturbels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,054	salic anhyturbels	Salic Anhyturbels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,055	calcic anhyturbels	Calcic Anhyturbels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,056	typic anhyturbels	Typic Anhyturbels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,057	lithic molliturbels	Lithic Molliturbels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,058	glacic molliturbels	Glacic Molliturbels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,059	vertic molliturbels	Vertic Molliturbels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,060	andic molliturbels	Andic Molliturbels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,061	vitrandic molliturbels	Vitrandic Molliturbels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,062	cumulic molliturbels	Cumulic Molliturbels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,063	aquic molliturbels	Aquic Molliturbels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,064	typic molliturbels	Typic Molliturbels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,065	lithic umbrturbels	Lithic Umbrturbels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,066	glacic umbrturbels	Glacic Umbrturbels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	3,067	vertic umbriterrubels	Vertic Umbriterrubels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,068	andic umbriterrubels	Andic Umbriterrubels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,069	vitrandic umbriterrubels	Vitrandic Umbriterrubels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,070	cumulic umbriterrubels	Cumulic Umbriterrubels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,071	aquic umbriterrubels	Aquic Umbriterrubels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,072	typic umbriterrubels	Typic Umbriterrubels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,073	lithic psammotrubels	Lithic Psammotrubels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,074	glacic psammotrubels	Glacic Psammotrubels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,075	spodic psammotrubels	Spodic Psammotrubels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,076	typic psammotrubels	Typic Psammotrubels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,077	lithic haplotrubels	Lithic Haplotrubels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,078	glacic haplotrubels	Glacic Haplotrubels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,079	aquic haplotrubels	Aquic Haplotrubels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,080	typic haplotrubels	Typic Haplotrubels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,081	lithic historthels	Lithic Historthels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,082	glacic historthels	Glacic Historthels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,083	ruptic historthels	Ruptic Historthels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	3,084	typic historthels	Typic Historthels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,085	lithic aquorthels	Lithic Aquorthels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,086	glacic aquorthels	Glacic Aquorthels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,087	sulfuric aquorthels	Sulfuric Aquorthels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,088	ruptic-histic aquorthels	Ruptic-Histic Aquorthels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,089	andic aquorthels	Andic Aquorthels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,090	vitrandic aquorthels	Vitrandic Aquorthels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,091	salic aquorthels	Salic Aquorthels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,092	psammentic aquorthels	Psammentic Aquorthels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,093	typic aquorthels	Typic Aquorthels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,094	lithic anhyorthels	Lithic Anhyorthels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,095	glacic anhyorthels	Glacic Anhyorthels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,096	petrogypsic anhyorthels	Petrogypsic Anhyorthels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,097	gypsic anhyorthels	Gypsic Anhyorthels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,098	nitric anhyorthels	Nitric Anhyorthels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,099	salic anhyorthels	Salic Anhyorthels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,100	calcic anhyorthels	Calcic Anhyorthels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	3,101	typic anhyorthels	Typic Anhyorthels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,102	lithic mollorthels	Lithic Mollorthels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,103	glacic mollorthels	Glacic Mollorthels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,104	vertic mollorthels	Vertic Mollorthels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,105	andic mollorthels	Andic Mollorthels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,106	vitrandic mollorthels	Vitrandic Mollorthels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,107	cumulic mollorthels	Cumulic Mollorthels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,108	aquic mollorthels	Aquic Mollorthels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,109	typic mollorthels	Typic Mollorthels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,110	lithic umbrorthels	Lithic Umbrorthels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,111	glacic umbrorthels	Glacic Umbrorthels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,112	vertic umbrorthels	Vertic Umbrorthels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,113	andic umbrorthels	Andic Umbrorthels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,114	vitrandic umbrorthels	Vitrandic Umbrorthels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,115	cumulic umbrorthels	Cumulic Umbrorthels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,116	aquic umbrorthels	Aquic Umbrorthels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,117	typic umbrorthels	Typic Umbrorthels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service



Obsolete?	ID	Data Entry Text	Label Text	Description
No	3,118	lithic argiorthels	Lithic Argiorthels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,119	glacic argiorthels	Glacic Argiorthels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,120	natric argiorthels	Natric Argiorthels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,121	typic argiorthels	Typic Argiorthels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,122	lithic psammorthels	Lithic Psammorthels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,123	glacic psammorthels	Glacic Psammorthels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,124	spodic psammorthels	Spodic Psammorthels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,125	typic psammorthels	Typic Psammorthels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,126	lithic haplorthels	Lithic Haplorthels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,127	glacic haplorthels	Glacic Haplorthels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,128	aquic haplorthels	Aquic Haplorthels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,129	typic haplorthels	Typic Haplorthels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,130	lithic torrifolists	Lithic Torrifolists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,131	typic torrifolists	Typic Torrifolists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,132	lithic ustifolists	Lithic Ustifolists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,133	typic ustifolists	Typic Ustifolists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,134	lithic udifolists	Lithic Udifolists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	3,135	typic udifolists	Typic Udifolists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,136	hydric cryofibrists	Hydric Cryofibrists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,137	halic terric haplosaprists	Halic Terric Haplosaprists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,138	halic haplosaprists	Halic Haplosaprists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,139	hydric cryohemists	Hydric Cryohemists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,140	histic placic petraquepts	Histic Placic Petraquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,141	placic petraquepts	Placic Petraquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,142	plinthic petraquepts	Plinthic Petraquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,143	typic petraquepts	Typic Petraquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,144	duric halaquepts	Duric Halaquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,145	fluvaquentic cryaquepts	Fluvaquentic Cryaquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,146	aquandic epiaquepts	Aquandic Epiaquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,147	fluvaquentic epiaquepts	Fluvaquentic Epiaquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,148	fluvaquentic endoaquepts	Fluvaquentic Endoaquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,163	lithic dystrocryepts	Lithic Dystrocryepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,164	andic dystrocryepts	Andic Dystrocryepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,165	vitrandic dystrocryepts	Vitrandic Dystrocryepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	3,166	aquic dystrocryepts	Aquic Dystrocryepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,167	oxyaquic dystrocryepts	Oxyaquic Dystrocryepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,168	lamellic dystrocryepts	Lamellic Dystrocryepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,169	spodic dystrocryepts	Spodic Dystrocryepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,170	xeric dystrocryepts	Xeric Dystrocryepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,171	ustic dystrocryepts	Ustic Dystrocryepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,173	typic dystrocryepts	Typic Dystrocryepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,174	typic durustepts	Typic Durustepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,175	lithic petrocalcic calciustepts	Lithic Petrocalcic Calciustepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,176	lithic calciustepts	Lithic Calciustepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,177	torrertic calciustepts	Torrertic Calciustepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,178	vertic calciustepts	Vertic Calciustepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,179	petrocalcic calciustepts	Petrocalcic Calciustepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,180	gypsic calciustepts	Gypsic Calciustepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,181	aquic calciustepts	Aquic Calciustepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,182	aridic calciustepts	Aridic Calciustepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,183	udic calciustepts	Udic Calciustepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

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No	3,184	typic calciustepts	Typic Calciustepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,185	lithic dystrustepts	Lithic Dystrustepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,186	andic dystrustepts	Andic Dystrustepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,187	vitrandic dystrustepts	Vitrandic Dystrustepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,188	aquic dystrustepts	Aquic Dystrustepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,189	fluventic dystrustepts	Fluventic Dystrustepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,190	oxic dystrustepts	Oxic Dystrustepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,191	humic dystrustepts	Humic Dystrustepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,192	typic dystrustepts	Typic Dystrustepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,193	aridic lithic haplustepts	Aridic Lithic Haplustepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,194	lithic haplustepts	Lithic Haplustepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,195	udertic haplustepts	Udertic Haplustepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,196	torrertic haplustepts	Torrertic Haplustepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,197	vertic haplustepts	Vertic Haplustepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,198	andic haplustepts	Andic Haplustepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,199	vitrandic haplustepts	Vitrandic Haplustepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,200	anthraquic haplustepts	Anthraquic Haplustepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	3,201	aquic haplustepts	Aquic Haplustepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,202	oxyaquic haplustepts	Oxyaquic Haplustepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,203	oxic haplustepts	Oxic Haplustepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,204	lamellic haplustepts	Lamellic Haplustepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,205	torrifuventic haplustepts	Torrifuventic Haplustepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,206	udifuventic haplustepts	Udifuventic Haplustepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,207	fluventic haplustepts	Fluventic Haplustepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,208	gypsic haplustepts	Gypsic Haplustepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,209	haplocalcidic haplustepts	Haplocalcidic Haplustepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,210	calcic udic haplustepts	Calcic Udic Haplustepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,211	calcic haplustepts	Calcic Haplustepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,212	aridic haplustepts	Aridic Haplustepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,213	dystric haplustepts	Dystric Haplustepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,214	udic haplustepts	Udic Haplustepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,215	typic haplustepts	Typic Haplustepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,216	aquandic durixerepts	Aquandic Durixerepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,217	andic durixerepts	Andic Durixerepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

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No	3,218	vitrandic durixerepts	Vitrandic Durixerepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,219	aquic durixerepts	Aquic Durixerepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,220	entic durixerepts	Entic Durixerepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,221	typic durixerepts	Typic Durixerepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,222	lithic calcixerepts	Lithic Calcixerepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,223	vertic calcixerepts	Vertic Calcixerepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,224	petrocalcic calcixerepts	Petrocalcic Calcixerepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,225	sodic calcixerepts	Sodic Calcixerepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,226	vitrandic calcixerepts	Vitrandic Calcixerepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,227	aquic calcixerepts	Aquic Calcixerepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,228	typic calcixerepts	Typic Calcixerepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,229	andic fragixerepts	Andic Fragixerepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,230	vitrandic fragixerepts	Vitrandic Fragixerepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,231	aquic fragixerepts	Aquic Fragixerepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,232	humic fragixerepts	Humic Fragixerepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,233	typic fragixerepts	Typic Fragixerepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,234	humic lithic dystroxerepts	Humic Lithic Dystroxerepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

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No	3,235	lithic dystroxerepts	Lithic Dystroxerepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,236	aquandic dystroxerepts	Aquandic Dystroxerepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,237	andic dystroxerepts	Andic Dystroxerepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,238	vitrandic dystroxerepts	Vitrandic Dystroxerepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,239	fragiaquic dystroxerepts	Fragiaquic Dystroxerepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,240	fluvaquentic dystroxerepts	Fluvaquentic Dystroxerepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,241	aquic dystroxerepts	Aquic Dystroxerepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,242	oxyaquic dystroxerepts	Oxyaquic Dystroxerepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,243	fragic dystroxerepts	Fragic Dystroxerepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,244	fluventic humic dystroxerepts	Fluventic Humic Dystroxerepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,245	fluventic dystroxerepts	Fluventic Dystroxerepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,246	humic dystroxerepts	Humic Dystroxerepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,247	typic dystroxerepts	Typic Dystroxerepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,248	humic lithic haploxerepts	Humic Lithic Haploxerepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,249	lithic haploxerepts	Lithic Haploxerepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,250	vertic haploxerepts	Vertic Haploxerepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,251	aquandic haploxerepts	Aquandic Haploxerepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	3,252	andic haploxerepts	Andic Haploxerepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,253	vitrandic haploxerepts	Vitrandic Haploxerepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,254	gypsic haploxerepts	Gypsic Haploxerepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,255	aquic haploxerepts	Aquic Haploxerepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,256	lamellic haploxerepts	Lamellic Haploxerepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,257	fragic haploxerepts	Fragic Haploxerepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,258	fluventic haploxerepts	Fluventic Haploxerepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,259	calcic haploxerepts	Calcic Haploxerepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,260	humic haploxerepts	Humic Haploxerepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,261	typic haploxerepts	Typic Haploxerepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,262	typic sulfudepts	Typic Sulfudepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,263	aquandic durudepts	Aquandic Durudepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,264	andic durudepts	Andic Durudepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,265	vitrandic durudepts	Vitrandic Durudepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,266	aquic durudepts	Aquic Durudepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,267	typic durudepts	Typic Durudepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,268	andic fragiudepts	Andic Fragiudepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service



Obsolete?	ID	Data Entry Text	Label Text	Description
No	3,269	vitrandic fragiudepts	Vitrandic Fragiudepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,270	aquic fragiudepts	Aquic Fragiudepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,271	humic fragiudepts	Humic Fragiudepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,272	typic fragiudepts	Typic Fragiudepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,273	humic lithic eutrudepts	Humic Lithic Eutrudepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,274	lithic eutrudepts	Lithic Eutrudepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,275	aquertic eutrudepts	Aquertic Eutrudepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,276	vertic eutrudepts	Vertic Eutrudepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,277	andic eutrudepts	Andic Eutrudepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,278	vitrandic eutrudepts	Vitrandic Eutrudepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,279	anthraquic eutrudepts	Anthraquic Eutrudepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,280	fragiaquic eutrudepts	Fragiaquic Eutrudepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,281	fluvaquentic eutrudepts	Fluvaquentic Eutrudepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,282	aquic dystic eutrudepts	Aquic Dystic Eutrudepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,283	aquic eutrudepts	Aquic Eutrudepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,284	oxyaquic eutrudepts	Oxyaquic Eutrudepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,285	fragic eutrudepts	Fragic Eutrudepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	3,286	lamellic eutrudepts	Lamellic Eutrudepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,287	dystic fluventic eutrudepts	Dystic Fluventic Eutrudepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,288	fluventic eutrudepts	Fluventic Eutrudepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,289	arenic eutrudepts	Arenic Eutrudepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,290	dystic eutrudepts	Dystic Eutrudepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,291	rendollic eutrudepts	Rendollic Eutrudepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,292	humic eutrudepts	Humic Eutrudepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,293	ruptic-alfic eutrudepts	Ruptic-Alfic Eutrudepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,294	typic eutrudepts	Typic Eutrudepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,295	humic lithic dystrepts	Humic Lithic Dystrepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,296	lithic dystrepts	Lithic Dystrepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,297	vertic dystrepts	Vertic Dystrepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,298	aquandic dystrepts	Aquandic Dystrepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,299	andic dystrepts	Andic Dystrepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,300	vitrandic dystrepts	Vitrandic Dystrepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,301	fragiaquic dystrepts	Fragiaquic Dystrepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,302	fluvaquentic dystrepts	Fluvaquentic Dystrepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	3,303	aquic humic dystrodepts	Aquic Humic Dystrodepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,304	aquic dystrodepts	Aquic Dystrodepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,305	oxyaquic dystrodepts	Oxyaquic Dystrodepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,306	fragic dystrodepts	Fragic Dystrodepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,307	lamellic dystrodepts	Lamellic Dystrodepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,308	humic psammentic dystrodepts	Humic Psammentic Dystrodepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,309	fluventic humic dystrodepts	Fluventic Humic Dystrodepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,310	fluventic dystrodepts	Fluventic Dystrodepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,311	spodic dystrodepts	Spodic Dystrodepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,312	oxic dystrodepts	Oxic Dystrodepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,314	humic dystrodepts	Humic Dystrodepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,315	ruptic-alfic dystrodepts	Ruptic-Alfic Dystrodepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,316	ruptic-ultic dystrodepts	Ruptic-Ultic Dystrodepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,317	typic dystrodepts	Typic Dystrodepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,318	leptic natralbolls	Leptic Natralbolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,319	lithic cryrendolls	Lithic Cryrendolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,320	typic cryrendolls	Typic Cryrendolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	3,321	lithic haprendolls	Lithic Haprendolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,322	vertic haprendolls	Vertic Haprendolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,323	inceptic haprendolls	Inceptic Haprendolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,324	entic haprendolls	Entic Haprendolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,325	typic haprendolls	Typic Haprendolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,326	argic duricryolls	Argic Duricryolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,327	typic duricryolls	Typic Duricryolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,328	typic natricryolls	Typic Natricryolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,329	aquic palecryolls	Aquic Palecryolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,330	oxyaquic palecryolls	Oxyaquic Palecryolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,331	abruptic palecryolls	Abruptic Palecryolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,332	pachic palecryolls	Pachic Palecryolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,333	ustic palecryolls	Ustic Palecryolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,334	xeric palecryolls	Xeric Palecryolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,335	typic palecryolls	Typic Palecryolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,336	lithic argicryolls	Lithic Argicryolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,337	vertic argicryolls	Vertic Argicryolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
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No	3,339	vitrandic argicryolls	Vitrandic Argicryolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,340	abruptic argicryolls	Abruptic Argicryolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,341	aquic argicryolls	Aquic Argicryolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,342	oxyaquic argicryolls	Oxyaquic Argicryolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,343	pachic argicryolls	Pachic Argicryolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,344	alfic argicryolls	Alfic Argicryolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,345	ustic argicryolls	Ustic Argicryolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,346	xeric argicryolls	Xeric Argicryolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,347	typic argicryolls	Typic Argicryolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,348	lithic calcicryolls	Lithic Calcicryolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,349	petrocalcic calcicryolls	Petrocalcic Calcicryolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,350	pachic calcicryolls	Pachic Calcicryolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,351	ustic calcicryolls	Ustic Calcicryolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,352	xeric calcicryolls	Xeric Calcicryolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,353	typic calcicryolls	Typic Calcicryolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,354	lithic haplocryolls	Lithic Haplocryolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

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No	3,355	vertic haplocryolls	Vertic Haplocryolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,356	andic haplocryolls	Andic Haplocryolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,357	vitrandic haplocryolls	Vitrandic Haplocryolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,358	aquic cumulic haplocryolls	Aquic Cumulic Haplocryolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,359	cumulic haplocryolls	Cumulic Haplocryolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,360	fluvaquentic haplocryolls	Fluvaquentic Haplocryolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,361	aquic haplocryolls	Aquic Haplocryolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,362	oxyaquic haplocryolls	Oxyaquic Haplocryolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,363	calcic pachic haplocryolls	Calcic Pachic Haplocryolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,364	pachic haplocryolls	Pachic Haplocryolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,365	fluventic haplocryolls	Fluventic Haplocryolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,366	calcic haplocryolls	Calcic Haplocryolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,367	ustic haplocryolls	Ustic Haplocryolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,368	xeric haplocryolls	Xeric Haplocryolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,369	typic haplocryolls	Typic Haplocryolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,370	vitrandic palexerolls	Vitrandic Palexerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,371	duric palexerolls	Duric Palexerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	3,372	alfic argixerolls	Alfic Argixerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,374	psammentic haploxerolls	Psammentic Haploxerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,375	leptic torrertic natrustolls	Leptic Torrertic Natrustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,376	torrertic natrustolls	Torrertic Natrustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,377	leptic vertic natrustolls	Leptic Vertic Natrustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,378	glossic vertic natrustolls	Glossic Vertic Natrustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,379	aridic leptic natrustolls	Aridic Leptic Natrustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,380	gypsic calciustolls	Gypsic Calciustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,381	calcidic paleustolls	Calcidic Paleustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,382	aridic lithic argiustolls	Aridic Lithic Argiustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,383	alfic argiustolls	Alfic Argiustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,384	calcidic argiustolls	Calcidic Argiustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,385	petrocalcic natrudolls	Petrocalcic Natrudolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,386	leptic vertic natrudolls	Leptic Vertic Natrudolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,387	leptic natrudolls	Leptic Natrudolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,388	glossic vertic natrudolls	Glossic Vertic Natrudolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,389	vertic natrudolls	Vertic Natrudolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

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No	3,391	calcic natrudolls	Calcic Natrudolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,392	typic natrudolls	Typic Natrudolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,393	fluventic calciudolls	Fluventic Calciudolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,394	pachic paleudolls	Pachic Paleudolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,395	pachic vertic argiudolls	Pachic Vertic Argiudolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,396	alfic vertic argiudolls	Alfic Vertic Argiudolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,397	arenic argiudolls	Arenic Argiudolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,398	alfic argiudolls	Alfic Argiudolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,399	pachic hapludolls	Pachic Hapludolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,400	humic inceptic eustrtox	Humic Inceptic Eustrtox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,401	humic inceptic eutroperox	Humic Inceptic Eutroperox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,402	humic inceptic eutrudox	Humic Inceptic Eutrudox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,403	arenic umbric alaquods	Arenic Umbric Alaquods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,404	kandic albaquults	Kandic Albaquults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,405	aquandic palehumults	Aquandic Palehumults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,406	oxyaquic palehumults	Oxyaquic Palehumults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service



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No	3,407	aquandic haplohumults	Aquandic Haplohumults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,408	oxyaquic haplohumults	Oxyaquic Haplohumults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,409	oxyaquic paleudults	Oxyaquic Paleudults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,410	inceptic hapludults	Inceptic Hapludults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,411	haplic plinthustults	Haplic Plinthustults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,412	aquandic palexerults	Aquandic Palexerults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,413	aquic palexerults	Aquic Palexerults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,414	andic palexerults	Andic Palexerults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,415	gypsic haplusterts	Gypsic Haplusterts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,416	calcic haplusterts	Calcic Haplusterts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,417	aridic leptic haplusterts	Aridic Leptic Haplusterts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,419	hydric haplofibrists	Hydric Haplofibrists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,420	lithic haplofibrists	Lithic Haplofibrists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,421	limnic haplofibrists	Limnic Haplofibrists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,422	terric haplofibrists	Terric Haplofibrists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,423	fluvaquentic haplofibrists	Fluvaquentic Haplofibrists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,424	hemic haplofibrists	Hemic Haplofibrists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

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No	3,425	typic haplofibrists	Typic Haplofibrists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,426	typic haplosaprist	Typic Haplosaprist	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,427	fluvaquentic haplosaprist	Fluvaquentic Haplosaprist	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,428	limnic haplosaprist	Limnic Haplosaprist	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,429	lithic haplosaprist	Lithic Haplosaprist	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,430	terric haplosaprist	Terric Haplosaprist	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,431	hemic haplosaprist	Hemic Haplosaprist	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,432	hydric haplohemist	Hydric Haplohemist	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,433	lithic haplohemist	Lithic Haplohemist	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,434	limnic haplohemist	Limnic Haplohemist	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,435	terric haplohemist	Terric Haplohemist	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,436	fluvaquentic haplohemist	Fluvaquentic Haplohemist	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,437	fibric haplohemist	Fibric Haplohemist	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,438	sapric haplohemist	Sapric Haplohemist	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,439	typic haplohemist	Typic Haplohemist	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,444	lithic ruptic-inceptic haploxerult	Lithic Ruptic-Inceptic Haploxerult	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,469	aquic duricryand	Aquic Duricryand	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	3,470	typic duricryands	Typic Duricryands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,471	ultic fulvudands	Ultic Fulvudands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,472	petronodic ustic haplargids	Petronodic Ustic Haplargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,476	pachic udertic haplustolls	Pachic Udertic Haplustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,477	lithic-ruptic-entic hapludults	Lithic-Ruptic-Entic Hapludults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,495	aquic arenic glossudalfs	Aquic Arenic Glossudalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,496	arenic oxyaquic glossudalfs	Arenic Oxyaquic Glossudalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,497	arenic oxyaquic hapludalfs	Arenic Oxyaquic Hapludalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,498	mollic oxyaquic hapludalfs	Mollic Oxyaquic Hapludalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,499	aridic glossic natrustalfs	Aridic Glossic Natrustalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,500	histic gelaquands	Histic Gelaquands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,501	thaptic gelaquands	Thaptic Gelaquands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,502	typic gelaquands	Typic Gelaquands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,503	humic vitrigelands	Humic Vitrigelands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,504	typic vitrigelands	Typic Vitrigelands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,505	eutric duricryands	Eutric Duricryands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,506	eutric fulvicryands	Eutric Fulvicryands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	3,507	eutric pachic fulvicryands	Eutric Pachic Fulvicryands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,508	spodic haplocryands	Spodic Haplocryands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,509	oxyaquic haplocryands	Oxyaquic Haplocryands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,510	eutric durudands	Eutric Durudands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,511	oxyaquic fulvudands	Oxyaquic Fulvudands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,512	oxyaquic hapludands	Oxyaquic Hapludands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,513	oxyaquic udivitrands	Oxyaquic Udivitrands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,514	typic gelorthents	Typic Gelorthents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,515	oxyaquic torripsamments	Oxyaquic Torripsamments	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,516	fluvaquentic aquorthels	Fluvaquentic Aquorthels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,517	fluvaquentic haplorthels	Fluvaquentic Haplorthels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,518	fluventic haplorthels	Fluventic Haplorthels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,519	typic gelaquents	Typic Gelaquents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,520	aquic gelifluvents	Aquic Gelifluvents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,521	typic gelifluvents	Typic Gelifluvents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,522	ustertic natrargids	Ustertic Natrargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,523	xerertic natrargids	Xerertic Natrargids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	3,524	oxyaquic gelorthents	Oxyaquic Gelorthents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,525	fluvaquentic historthels	Fluvaquentic Historthels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,526	fluventic historthels	Fluventic Historthels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,527	lithic gelaquepts	Lithic Gelaquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,528	histic gelaquepts	Histic Gelaquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,529	aquandic gelaquepts	Aquandic Gelaquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,530	fluvaquentic gelaquepts	Fluvaquentic Gelaquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,531	humic gelaquepts	Humic Gelaquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,532	typic gelaquepts	Typic Gelaquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,533	fluventic endoaquepts	Fluventic Endoaquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,534	lithic dystrogelepts	Lithic Dystrogelepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,535	andic dystrogelepts	Andic Dystrogelepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,536	aquic dystrogelepts	Aquic Dystrogelepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,538	typic dystrogelepts	Typic Dystrogelepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,544	andic oxyaquic dystrudepts	Andic Oxyaquic Dystrudepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,545	vertic dystrustepts	Vertic Dystrustepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,546	torrertic dystrustepts	Torrertic Dystrustepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

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No	3,547	aridic dystrostepts	Aridic Dystrostepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,548	andic oxyaquic haploxerepts	Andic Oxyaquic Haploxerepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,549	oxyaquic haploxerepts	Oxyaquic Haploxerepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,550	glossic natraquolls	Glossic Natraquolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,551	calcic pachic argicryolls	Calcic Pachic Argicryolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,552	calcic argicryolls	Calcic Argicryolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,553	vitrandic calcicryolls	Vitrandic Calcicryolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,554	calcic duricryolls	Calcic Duricryolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,555	lithic haplogelolls	Lithic Haplogelolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,556	andic haplogelolls	Andic Haplogelolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,557	aquic haplogelolls	Aquic Haplogelolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,558	cumulic haplogelolls	Cumulic Haplogelolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,559	typic haplogelolls	Typic Haplogelolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,560	aquic pachic argiudolls	Aquic Pachic Argiudolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,561	pachic vertic hapludolls	Pachic Vertic Hapludolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,562	aquic pachic hapludolls	Aquic Pachic Hapludolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,563	aquic pachic paleudolls	Aquic Pachic Paleudolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

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No	3,564	aquertic argiustolls	Aquertic Argiustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,565	pachic udertic argiustolls	Pachic Udertic Argiustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,566	pachic vertic argiustolls	Pachic Vertic Argiustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,567	aridic lithic haplustolls	Aridic Lithic Haplustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,568	aquertic haplustolls	Aquertic Haplustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,569	pachic vertic haplustolls	Pachic Vertic Haplustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
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No	3,572	andic humigelods	Andic Humigelods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
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No	3,575	lithic haplogelods	Lithic Haplogelods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,576	andic haplogelods	Andic Haplogelods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,577	aquic haplogelods	Aquic Haplogelods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,578	typic haplogelods	Typic Haplogelods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,579	lamellic oxyaquic haplorthods	Lamellic Oxyaquic Haplorthods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,580	salic sulfaquerts	Salic Sulfaquerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	3,581	sulfic sulfaquerts	Sulfic Sulfaquerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,582	typic sulfaquerts	Typic Sulfaquerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,583	oxyaquic vitrandic haploxerepts	Oxyaquic Vitrandic Haploxerepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,584	lithic humicryepts	Lithic Humicryepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,585	aquandic humicryepts	Aquandic Humicryepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,586	haploxerandic humicryepts	Haploxerandic Humicryepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,587	vitrixerandic humicryepts	Vitrixerandic Humicryepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,588	andic humicryepts	Andic Humicryepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,589	vitrandic humicryepts	Vitrandic Humicryepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,590	fluvaquentic humicryepts	Fluvaquentic Humicryepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,591	aquic humicryepts	Aquic Humicryepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,592	oxyaquic humicryepts	Oxyaquic Humicryepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,593	lamellic humicryepts	Lamellic Humicryepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,594	andic haploxerolls	Andic Haploxerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,595	limnic cryosaprists	Limnic Cryosaprists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,596	eutric oxyaquic duricryands	Eutric Oxyaquic Duricryands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,597	oxyaquic duricryands	Oxyaquic Duricryands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service



Obsolete?	ID	Data Entry Text	Label Text	Description
No	3,598	fluventic humicryepts	Fluventic Humicryepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,599	spodic humicryepts	Spodic Humicryepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,600	xeric humicryepts	Xeric Humicryepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,601	eutric humicryepts	Eutric Humicryepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,602	typic humicryepts	Typic Humicryepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,603	lithic calcicryepts	Lithic Calcicryepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,604	oxyaquic calcicryepts	Oxyaquic Calcicryepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,605	xeric calcicryepts	Xeric Calcicryepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,606	ustic calcicryepts	Ustic Calcicryepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,607	typic calcicryepts	Typic Calcicryepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,608	lithic haplocryepts	Lithic Haplocryepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,609	aquandic haplocryepts	Aquandic Haplocryepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,610	haploxerandic haplocryepts	Haploxerandic Haplocryepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,611	vitrixerandic haplocryepts	Vitrixerandic Haplocryepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,612	haplustandic haplocryepts	Haplustandic Haplocryepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,613	ustivitrandic haplocryepts	Ustivitrandic Haplocryepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,614	andic haplocryepts	Andic Haplocryepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	3,615	vitrandic haplocryepts	Vitrandic Haplocryepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,616	fluvaquentic haplocryepts	Fluvaquentic Haplocryepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,617	aquic haplocryepts	Aquic Haplocryepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,618	oxyaquic haplocryepts	Oxyaquic Haplocryepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,619	lamellic haplocryepts	Lamellic Haplocryepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,620	fluventic haplocryepts	Fluventic Haplocryepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,621	calcic haplocryepts	Calcic Haplocryepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,622	xeric haplocryepts	Xeric Haplocryepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,623	ustic haplocryepts	Ustic Haplocryepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,624	typic haplocryepts	Typic Haplocryepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,625	aquandic dystrocryepts	Aquandic Dystrocryepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,626	haploxerandic dystrocryepts	Haploxerandic Dystrocryepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,627	vitrixerandic dystrocryepts	Vitrixerandic Dystrocryepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,628	fluvaquentic dystrocryepts	Fluvaquentic Dystrocryepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,629	fluventic dystrocryepts	Fluventic Dystrocryepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,630	eutric dystrocryepts	Eutric Dystrocryepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,631	turbic gelaquands	Turbic Gelaquands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	3,632	folistic fulvicryands	Folistic Fulvicryands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,633	folistic haplocryands	Folistic Haplocryands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,634	folistic vitricryands	Folistic Vitricryands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,635	turbic vitrigelands	Turbic Vitrigelands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,636	sulfic fluviwassents	Sulfic Fluviwassents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,637	lithic fluviwassents	Lithic Fluviwassents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,638	thapto-histic fluviwassents	Thapto-Histic Fluviwassents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,639	aeric fluviwassents	Aeric Fluviwassents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,640	typic fluviwassents	Typic Fluviwassents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,641	hydric frasiwassents	Hydric Frasiwassents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,642	lithic frasiwassents	Lithic Frasiwassents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,643	psammentic frasiwassents	Psammentic Frasiwassents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,644	thapto-histic frasiwassents	Thapto-Histic Frasiwassents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,645	fluventic frasiwassents	Fluventic Frasiwassents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,646	aeric frasiwassents	Aeric Frasiwassents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,647	typic frasiwassents	Typic Frasiwassents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,648	sulfic haplowassents	Sulfic Haplowassents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

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No	3,649	lithic haplowassents	Lithic Haplowassents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,650	aeric haplowassents	Aeric Haplowassents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,651	typic haplowassents	Typic Haplowassents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,652	sulfic hydrowassents	Sulfic Hydrowassents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,653	grossic hydrowassents	Grossic Hydrowassents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,654	lithic hydrowassents	Lithic Hydrowassents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,655	thapto-histic hydrowassents	Thapto-Histic Hydrowassents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,656	typic hydrowassents	Typic Hydrowassents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,657	sulfic psammowassents	Sulfic Psammowassents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,658	lithic psammowassents	Lithic Psammowassents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,659	fluventic psammowassents	Fluventic Psammowassents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,660	aeric psammowassents	Aeric Psammowassents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,661	typic psammowassents	Typic Psammowassents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,662	lithic sulfiwassents	Lithic Sulfiwassents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,663	haplic sulfiwassents	Haplic Sulfiwassents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,664	thapto-histic sulfiwassents	Thapto-Histic Sulfiwassents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,665	fluventic sulfiwassents	Fluventic Sulfiwassents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	3,666	aeric sulfiwassents	Aeric Sulfiwassents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,667	typic sulfiwassents	Typic Sulfiwassents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,668	aquic gelorthents	Aquic Gelorthents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,669	folistic haplorthels	Folistic Haplorthels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,670	folistic mollorthels	Folistic Mollorthels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,671	folistic umbrorthels	Folistic Umbrorthels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,672	folistic haploturbels	Folistic Haploturbels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,673	folistic molliturbels	Folistic Molliturbels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,674	folistic umbriturbels	Folistic Umbriturbels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,675	fibric frasiwassists	Fibric Frasiwassists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,676	sapric frasiwassists	Sapric Frasiwassists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,677	typic frasiwassists	Typic Frasiwassists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,678	sulfic haplowassists	Sulfic Haplowassists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,679	fibric haplowassists	Fibric Haplowassists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,680	sapric haplowassists	Sapric Haplowassists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,681	typic haplowassists	Typic Haplowassists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,682	fibric sulfiwassists	Fibric Sulfiwassists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

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No	3,683	sapric sulfiwassists	Sapric Sulfiwassists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,684	typic sulfiwassists	Typic Sulfiwassists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,685	turbic gelaquepts	Turbic Gelaquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,686	folistic dystrocryepts	Folistic Dystrocryepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,687	lithic humigelepts	Lithic Humigelepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,688	andic humigelepts	Andic Humigelepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,689	aquic humigelepts	Aquic Humigelepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,690	oxyaquic humigelepts	Oxyaquic Humigelepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,691	fluventic humigelepts	Fluventic Humigelepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,692	turbic humigelepts	Turbic Humigelepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,693	eutric humigelepts	Eutric Humigelepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,694	typic humigelepts	Typic Humigelepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,695	fluventic dystrogelepts	Fluventic Dystrogelepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,696	turbic dystrogelepts	Turbic Dystrogelepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,697	lithic haplogelepts	Lithic Haplogelepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,698	andic haplogelepts	Andic Haplogelepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,699	aquic haplogelepts	Aquic Haplogelepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

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No	3,700	fluventic haplogelepts	Fluventic Haplogelepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,701	turbic haplogelepts	Turbic Haplogelepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,702	typic haplogelepts	Typic Haplogelepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,703	lithic humudepts	Lithic Humudepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,704	vertic humudepts	Vertic Humudepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,705	aquandic humudepts	Aquandic Humudepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,706	andic oxyaquic humudepts	Andic Oxyaquic Humudepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,707	andic humudepts	Andic Humudepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,708	vitrandic humudepts	Vitrandic Humudepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,709	fluvaquentic humudepts	Fluvaquentic Humudepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,710	aquic humudepts	Aquic Humudepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,711	oxyaquic humudepts	Oxyaquic Humudepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,712	psammentic humudepts	Psammentic Humudepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,713	oxic humudepts	Oxic Humudepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,714	cumulic humudepts	Cumulic Humudepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,715	fluventic humudepts	Fluventic Humudepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,716	pachic humudepts	Pachic Humudepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

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No	3,718	entic humudepts	Entic Humudepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,719	typic humudepts	Typic Humudepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,720	lithic humusteps	Lithic Humusteps	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,721	andic humusteps	Andic Humusteps	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,722	vitrandic humusteps	Vitrandic Humusteps	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,723	oxyaquic humusteps	Oxyaquic Humusteps	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,724	oxic humusteps	Oxic Humusteps	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
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No	3,731	aquic humixerepts	Aquic Humixerepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,732	oxyaquic humixerepts	Oxyaquic Humixerepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,733	cumulic humixerepts	Cumulic Humixerepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service



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No	3,735	pachic humixerepts	Pachic Humixerepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,736	entic humixerepts	Entic Humixerepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,737	typic humixerepts	Typic Humixerepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,738	oxyaquic haplogelolls	Oxyaquic Haplogelolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,739	turbic haplogelolls	Turbic Haplogelolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,740	aridic lithic argixerolls	Aridic Lithic Argixerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,741	aridic lithic calcixerolls	Aridic Lithic Calcixerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,742	aridic lithic haploxerolls	Aridic Lithic Haploxerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,743	folistic haplocryods	Folistic Haplocryods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,744	folistic humicryods	Folistic Humicryods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,745	turbic haplogelods	Turbic Haplogelods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,746	turbic humigelods	Turbic Humigelods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,747	abruptic natrudolls	Abruptic Natrudolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,748	anhydritic aquisalids	Anhydritic Aquisalids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,749	anhydritic haplosalids	Anhydritic Haplosalids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,750	anthraltic torriorthents	Anthraltic Torriorthents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	3,751	anthraltic sodic xerorthents	Anthraltic Sodic Xerorthents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,752	anthraltic xerorthents	Anthraltic Xerorthents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,753	anthrodensic sodic udorthents	Anthrodensic Sodic Udorthents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,754	anthrodensic udorthents	Anthrodensic Udorthents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,755	anthrodensic ustorthents	Anthrodensic Ustorthents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,756	anthropic haplocambids	Anthropic Haplocambids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,757	anthropic petrocalcic calciudolls	Anthropic Petrocalcic Calciudolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,758	anthroportic udorthents	Anthroportic Udorthents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,759	anthroportic ustorthents	Anthroportic Ustorthents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,760	haploplaggic alorthods	Haploplaggic Alorthods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,761	haploplaggic fragiaquods	Haploplaggic Fragiaquods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,762	haploplaggic fragiorthods	Haploplaggic Fragiorthods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,763	haploplaggic haplohumods	Haploplaggic Haplohumods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,764	haploplaggic udipsamments	Haploplaggic Udipsamments	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,765	petrocalcic argiudolls	Petrocalcic Argiudolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,766	petrocalcic hapludolls	Petrocalcic Hapludolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,767	petrocalcic natraquolls	Petrocalcic Natraquolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	3,768	anthropic udorthents	Anthropic Udorthents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,769	histic-haplic sulfaquents	Histic-Haplic Sulfaquents	Reference: Keys to Soil Taxonomy Thirteenth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,771	humic-fluic frasiwassents	Humic-Fluic Frasiwassents	Reference: Keys to Soil Taxonomy Thirteenth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,772	humic frasiwassents	Humic Frasiwassents	Reference: Keys to Soil Taxonomy Thirteenth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,773	terric frassiwassists	Terric Frassiwassists	Reference: Keys to Soil Taxonomy Thirteenth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,774	terric haplowassists	Terric Haplowassists	Reference: Keys to Soil Taxonomy Thirteenth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3,775	terric sulfiwassists	Terric Sulfiwassists	Reference: Keys to Soil Taxonomy Thirteenth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
Yes	5	durorthidic albaqualfs	Durorthidic Albaqualfs	No description available.
Yes	7	ruptic-vertic albaqualfs	Ruptic-Vertic Albaqualfs	No description available.
Yes	29	umbric fragiaqualfs	Umbric Fragiaqualfs	No description available.
Yes	33	grossarenic glossaqualfs	Grossarenic Glossaqualfs	No description available.
Yes	48	typic umbraqualfs	Typic Umbraqualfs	No description available.
Yes	49	aquandic umbraqualfs	Aquandic Umbraqualfs	No description available.
Yes	50	arenic umbraqualfs	Arenic Umbraqualfs	No description available.
Yes	51	ferrudalfic umbraqualfs	Ferrudalfic Umbraqualfs	No description available.
Yes	52	grossarenic umbraqualfs	Grossarenic Umbraqualfs	No description available.
Yes	53	typic cryoboralfs	Typic Cryoboralfs	No description available.
Yes	54	andic cryoboralfs	Andic Cryoboralfs	No description available.
Yes	55	aquic cryoboralfs	Aquic Cryoboralfs	No description available.
Yes	56	glossic cryoboralfs	Glossic Cryoboralfs	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	57	lithic cryoboralfs	Lithic Cryoboralfs	No description available.
Yes	58	lithic mollic cryoboralfs	Lithic Mollic Cryoboralfs	No description available.
Yes	59	mollic cryoboralfs	Mollic Cryoboralfs	No description available.
Yes	60	oxyaquic cryoboralfs	Oxyaquic Cryoboralfs	No description available.
Yes	61	psammentic cryoboralfs	Psammentic Cryoboralfs	No description available.
Yes	62	vertic cryoboralfs	Vertic Cryoboralfs	No description available.
Yes	63	vitrandic cryoboralfs	Vitrandic Cryoboralfs	No description available.
Yes	64	typic eutroboralfs	Typic Eutroboralfs	No description available.
Yes	65	andic eutroboralfs	Andic Eutroboralfs	No description available.
Yes	66	aquic eutroboralfs	Aquic Eutroboralfs	No description available.
Yes	67	aquic arenic eutroboralfs	Aquic Arenic Eutroboralfs	No description available.
Yes	68	arenic eutroboralfs	Arenic Eutroboralfs	No description available.
Yes	69	glossaquic eutroboralfs	Glossaquic Eutroboralfs	No description available.
Yes	70	glossic eutroboralfs	Glossic Eutroboralfs	No description available.
Yes	71	lithic eutroboralfs	Lithic Eutroboralfs	No description available.
Yes	72	mollic eutroboralfs	Mollic Eutroboralfs	No description available.
Yes	73	oxyaquic eutroboralfs	Oxyaquic Eutroboralfs	No description available.
Yes	74	psammentic eutroboralfs	Psammentic Eutroboralfs	No description available.
Yes	75	vertic eutroboralfs	Vertic Eutroboralfs	No description available.
Yes	76	vitrandic eutroboralfs	Vitrandic Eutroboralfs	No description available.
Yes	77	typic fragiboralfs	Typic Fragiboralfs	No description available.
Yes	78	andic fragiboralfs	Andic Fragiboralfs	No description available.
Yes	79	aquic fragiboralfs	Aquic Fragiboralfs	No description available.
Yes	80	oxyaquic fragiboralfs	Oxyaquic Fragiboralfs	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	81	vitrandic fragiboralfs	Vitrandic Fragiboralfs	No description available.
Yes	82	typic glossoboralfs	Typic Glossoboralfs	No description available.
Yes	83	andic glossoboralfs	Andic Glossoboralfs	No description available.
Yes	84	aquic glossoboralfs	Aquic Glossoboralfs	No description available.
Yes	85	eutric glossoboralfs	Eutric Glossoboralfs	No description available.
Yes	86	lithic glossoboralfs	Lithic Glossoboralfs	No description available.
Yes	87	oxyaquic glossoboralfs	Oxyaquic Glossoboralfs	No description available.
Yes	88	psammentic glossoboralfs	Psammentic Glossoboralfs	No description available.
Yes	89	vitrandic glossoboralfs	Vitrandic Glossoboralfs	No description available.
Yes	90	typic paleboralfs	Typic Paleboralfs	No description available.
Yes	91	abruptic paleboralfs	Abruptic Paleboralfs	No description available.
Yes	92	andic paleboralfs	Andic Paleboralfs	No description available.
Yes	93	aquic paleboralfs	Aquic Paleboralfs	No description available.
Yes	94	mollic paleboralfs	Mollic Paleboralfs	No description available.
Yes	95	oxyaquic paleboralfs	Oxyaquic Paleboralfs	No description available.
Yes	96	vitrandic paleboralfs	Vitrandic Paleboralfs	No description available.
Yes	97	typic agrudalfs	Typic Agrudalfs	No description available.
Yes	101	albaquic fragiudalfs	Albaquic Fragiudalfs	No description available.
Yes	102	aqueptic fragiudalfs	Aqueptic Fragiudalfs	No description available.
Yes	104	glossaquic fragiudalfs	Glossaquic Fragiudalfs	No description available.
Yes	105	glossic fragiudalfs	Glossic Fragiudalfs	No description available.
Yes	106	mollic fragiudalfs	Mollic Fragiudalfs	No description available.
Yes	107	ochreptic fragiudalfs	Ochreptic Fragiudalfs	No description available.
Yes	109	umbreptic fragiudalfs	Umbreptic Fragiudalfs	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	129	aquic lithic hapludalFs	Aquic Lithic HapludalFs	No description available.
Yes	136	glossoboric hapludalFs	Glossoboric HapludalFs	No description available.
Yes	141	psammaquentic hapludalFs	Psammaquentic HapludalFs	No description available.
Yes	162	glossic natrudalFs	Glossic NatrudalFs	No description available.
Yes	163	mollic natrudalFs	Mollic NatrudalFs	No description available.
Yes	217	grossarenic natrustalFs	Grossarenic NatrustalFs	No description available.
Yes	220	salorthidic natrustalFs	Salorthidic NatrustalFs	No description available.
Yes	228	calciorthidic paleustalFs	Calciorthidic PaleustalFs	No description available.
Yes	255	ochreptic fragixeralfs	Ochreptic Fragixeralfs	No description available.
Yes	265	lithic ruptic-xerochreptic haploxeralFs	Lithic Ruptic-Xerochreptic HaploxeralFs	No description available.
Yes	293	ochreptic rhodoxeralFs	Ochreptic RhodoxeralFs	No description available.
Yes	298	pergelic cryaquands	Pergelic Cryaquands	No description available.
Yes	310	petroferic endoaquands	Petroferic Endoaquands	No description available.
Yes	317	petroferic epiaquands	Petroferic Epiaquands	No description available.
Yes	339	typic gelicryands	Typic Gelicryands	No description available.
Yes	354	alic melanocryands	Alic Melanocryands	No description available.
Yes	370	petrocalcic vitritorrands	Petrocalcic Vitritorrands	No description available.
Yes	374	hydric pachic durudands	Hydric Pachic Durudands	No description available.
Yes	375	thaptic durudands	Thaptic Durudands	No description available.
Yes	377	alic fulvudands	Alic Fulvudands	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	379	acrudoxic hydric fulvudands	Acrudoxic Hydric Fulvudands	No description available.
Yes	380	acrudoxic ultic fulvudands	Acrudoxic Ultic Fulvudands	No description available.
Yes	384	hydric lithic fulvudands	Hydric Lithic Fulvudands	No description available.
Yes	385	hydric pachic fulvudands	Hydric Pachic Fulvudands	No description available.
Yes	386	hydric thaptic fulvudands	Hydric Thaptic Fulvudands	No description available.
Yes	408	petroferic hapludands	Petroferic Hapludands	No description available.
Yes	421	alic melanudands	Alic Melanudands	No description available.
Yes	422	alic aquic melanudands	Alic Aquic Melanudands	No description available.
Yes	423	alic pachic melanudands	Alic Pachic Melanudands	No description available.
Yes	424	alic thaptic melanudands	Alic Thaptic Melanudands	No description available.
Yes	430	eutric hydric melanudands	Eutric Hydric Melanudands	No description available.
Yes	431	eutric vitric melanudands	Eutric Vitric Melanudands	No description available.
Yes	442	acrudoxic hydric placudands	Acrudoxic Hydric Placudands	No description available.
Yes	444	eutric vitric placudands	Eutric Vitric Placudands	No description available.
Yes	445	eutric placudands	Eutric Placudands	No description available.
Yes	449	pachic placudands	Pachic Placudands	No description available.
Yes	450	thaptic placudands	Thaptic Placudands	No description available.
Yes	451	vitric placudands	Vitric Placudands	No description available.
Yes	466	umbric haplustands	Umbric Haplustands	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	499	umbric vitrixerands	Umbric Vitrixerands	No description available.
Yes	500	typic durargids	Typic Durargids	No description available.
Yes	501	abruptic xerollic durargids	Abruptic Xerollic Durargids	No description available.
Yes	502	abruptic durargids	Abruptic Durargids	No description available.
Yes	503	aquic durargids	Aquic Durargids	No description available.
Yes	504	haplic durargids	Haplic Durargids	No description available.
Yes	505	haploxerollic durargids	Haploxerollic Durargids	No description available.
Yes	506	ustivitrantic durargids	Ustivitrantic Durargids	No description available.
Yes	507	ustalfic durargids	Ustalfic Durargids	No description available.
Yes	508	vertic durargids	Vertic Durargids	No description available.
Yes	509	vitrixerantic durargids	Vitrixerantic Durargids	No description available.
Yes	510	xerollic durargids	Xerollic Durargids	No description available.
Yes	513	arenic ustalfic haplargids	Arenic Ustalfic Haplargids	No description available.
Yes	514	arenic ustollic haplargids	Arenic Ustollic Haplargids	No description available.
Yes	516	borollic haplargids	Borollic Haplargids	No description available.
Yes	517	borollic lithic haplargids	Borollic Lithic Haplargids	No description available.
Yes	518	borollic vertic haplargids	Borollic Vertic Haplargids	No description available.
Yes	519	duric haplargids	Duric Haplargids	No description available.
Yes	520	durixerollic haplargids	Durixerollic Haplargids	No description available.
Yes	522	lithic ruptic-entic xerollic haplargids	Lithic Ruptic-Entic Xerollic Haplargids	No description available.



Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	523	lithic ustollic haplargids	Lithic Ustollic Haplargids	No description available.
Yes	524	lithic xerollic haplargids	Lithic Xerollic Haplargids	No description available.
Yes	526	ustollic haplargids	Ustollic Haplargids	No description available.
Yes	527	ustalfic haplargids	Ustalfic Haplargids	No description available.
Yes	530	xerollic haplargids	Xerollic Haplargids	No description available.
Yes	531	xeralfic haplargids	Xeralfic Haplargids	No description available.
Yes	532	typic nadurargids	Typic Nadurargids	No description available.
Yes	533	aquic nadurargids	Aquic Nadurargids	No description available.
Yes	534	aquic haplic nadurargids	Aquic Haplic Nadurargids	No description available.
Yes	535	haplic nadurargids	Haplic Nadurargids	No description available.
Yes	536	haploxerollic nadurargids	Haploxerollic Nadurargids	No description available.
Yes	537	vertic nadurargids	Vertic Nadurargids	No description available.
Yes	538	xerollic nadurargids	Xerollic Nadurargids	No description available.
Yes	541	borollic natrargids	Borollic Natrargids	No description available.
Yes	542	borollic glossic natrargids	Borollic Glossic Natrargids	No description available.
Yes	543	duric natrargids	Duric Natrargids	No description available.
Yes	544	durixerollic natrargids	Durixerollic Natrargids	No description available.
Yes	546	glossic ustollic natrargids	Glossic Ustollic Natrargids	No description available.
Yes	548	haploxerollic natrargids	Haploxerollic Natrargids	No description available.
Yes	549	haplustollic natrargids	Haplustollic Natrargids	No description available.
Yes	551	lithic xerollic natrargids	Lithic Xerollic Natrargids	No description available.
Yes	552	ustollic natrargids	Ustollic Natrargids	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	554	xerollic natrargids	Xerollic Natrargids	No description available.
Yes	556	borollic vertic paleargids	Borollic Vertic Paelegids	No description available.
Yes	557	borollic paleargids	Borollic Paelegids	No description available.
Yes	558	duric paleargids	Duric Paelegids	No description available.
Yes	559	petrocalcic paleargids	Petrocalcic Paelegids	No description available.
Yes	560	petrocalcic ustalfic paelegids	Petrocalcic Ustalfic Paelegids	No description available.
Yes	561	petrocalcic ustollic paelegids	Petrocalcic Ustollic Paelegids	No description available.
Yes	562	petrocalcic xerollic paelegids	Petrocalcic Xerollic Paelegids	No description available.
Yes	563	ustollic paleargids	Ustollic Paelegids	No description available.
Yes	564	ustalfic paleargids	Ustalfic Paelegids	No description available.
Yes	566	xerollic paleargids	Xerollic Paelegids	No description available.
Yes	567	xeralfic paleargids	Xeralfic Paelegids	No description available.
Yes	568	typic calciorthids	Typic Calciorthids	No description available.
Yes	569	aquic calciorthids	Aquic Calciorthids	No description available.
Yes	570	aquic duric calciorthids	Aquic Duric Calciorthids	No description available.
Yes	571	argic calciorthids	Argic Calciorthids	No description available.
Yes	572	borollic calciorthids	Borollic Calciorthids	No description available.
Yes	573	borollic lithic calciorthids	Borollic Lithic Calciorthids	No description available.
Yes	574	duric calciorthids	Duric Calciorthids	No description available.
Yes	575	durixerollic calciorthids	Durixerollic Calciorthids	No description available.
Yes	576	lithic calciorthids	Lithic Calciorthids	No description available.
Yes	577	lithic ustollic calciorthids	Lithic Ustollic Calciorthids	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	578	lithic xerollic calciorthids	Lithic Xerollic Calciorthids	No description available.
Yes	579	ustochreptic calciorthids	Ustochreptic Calciorthids	No description available.
Yes	580	ustollic calciorthids	Ustollic Calciorthids	No description available.
Yes	581	xerollic calciorthids	Xerollic Calciorthids	No description available.
Yes	582	xerochreptic calciorthids	Xerochreptic Calciorthids	No description available.
Yes	583	typic camborthids	Typic Camborthids	No description available.
Yes	584	anthropic camborthids	Anthropic Camborthids	No description available.
Yes	585	aquic camborthids	Aquic Camborthids	No description available.
Yes	586	aquic duric camborthids	Aquic Duric Camborthids	No description available.
Yes	587	borollic camborthids	Borollic Camborthids	No description available.
Yes	588	borollic lithic camborthids	Borollic Lithic Camborthids	No description available.
Yes	589	borollic vertic camborthids	Borollic Vertic Camborthids	No description available.
Yes	590	duric camborthids	Duric Camborthids	No description available.
Yes	591	durixerollic camborthids	Durixerollic Camborthids	No description available.
Yes	592	durixerollic lithic camborthids	Durixerollic Lithic Camborthids	No description available.
Yes	593	fluventic camborthids	Fluventic Camborthids	No description available.
Yes	594	lithic camborthids	Lithic Camborthids	No description available.
Yes	595	lithic xerollic camborthids	Lithic Xerollic Camborthids	No description available.
Yes	596	natric camborthids	Natric Camborthids	No description available.
Yes	597	ustertic camborthids	Ustertic Camborthids	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	598	ustivitrantic camborthids	Ustivitrantic Camborthids	No description available.
Yes	599	ustochreptic camborthids	Ustochreptic Camborthids	No description available.
Yes	600	ustollic camborthids	Ustollic Camborthids	No description available.
Yes	601	vertic camborthids	Vertic Camborthids	No description available.
Yes	602	vitrixerantic camborthids	Vitrixerantic Camborthids	No description available.
Yes	603	xerertic camborthids	Xerertic Camborthids	No description available.
Yes	604	xerollic camborthids	Xerollic Camborthids	No description available.
Yes	605	xerochreptic camborthids	Xerochreptic Camborthids	No description available.
Yes	606	typic durorthids	Typic Durorthids	No description available.
Yes	607	aquentic durorthids	Aquentic Durorthids	No description available.
Yes	608	aquic durorthids	Aquic Durorthids	No description available.
Yes	609	entic durorthids	Entic Durorthids	No description available.
Yes	610	haploxerollic durorthids	Haploxerollic Durorthids	No description available.
Yes	611	haplustollic durorthids	Haplustollic Durorthids	No description available.
Yes	612	ustivitrantic durorthids	Ustivitrantic Durorthids	No description available.
Yes	613	ustochreptic durorthids	Ustochreptic Durorthids	No description available.
Yes	614	ustollic durorthids	Ustollic Durorthids	No description available.
Yes	615	vitrixerantic durorthids	Vitrixerantic Durorthids	No description available.
Yes	616	xerollic durorthids	Xerollic Durorthids	No description available.
Yes	617	xerochreptic durorthids	Xerochreptic Durorthids	No description available.
Yes	618	typic gypsiorthids	Typic Gypsiorthids	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	619	cambic gypsiorthids	Cambic Gypsiorthids	No description available.
Yes	620	calcic gypsiorthids	Calcic Gypsiorthids	No description available.
Yes	621	petrogypsic gypsiorthids	Petrogypsic Gypsiorthids	No description available.
Yes	622	typic paleorthids	Typic Paleorthids	No description available.
Yes	623	aquic paleorthids	Aquic Paleorthids	No description available.
Yes	624	borollic paleorthids	Borollic Paleorthids	No description available.
Yes	625	ustochreptic paleorthids	Ustochreptic Paleorthids	No description available.
Yes	626	ustollic paleorthids	Ustollic Paleorthids	No description available.
Yes	627	xerollic paleorthids	Xerollic Paleorthids	No description available.
Yes	628	xerochreptic paleorthids	Xerochreptic Paleorthids	No description available.
Yes	629	typic salorthids	Typic Salorthids	No description available.
Yes	630	aquollic salorthids	Aquollic Salorthids	No description available.
Yes	644	aeric tropic fluvaquents	Aeric Tropic Fluvaquents	No description available.
Yes	651	thapto-histic tropic fluvaquents	Thapto-Histic Tropic Fluvaquents	No description available.
Yes	652	tropic fluvaquents	Tropic Fluvaquents	No description available.
Yes	663	alfic udarents	Alfic Udarents	No description available.
Yes	664	mollic udarents	Mollic Udarents	No description available.
Yes	665	ultic udarents	Ultic Udarents	No description available.
Yes	666	alfic xerarents	Alfic Xerarents	No description available.
Yes	676	durorthidic torrifluvents	Durorthidic Torrifluvents	No description available.
Yes	677	durorthidic xeric torrifluvents	Durorthidic Xeric Torrifluvents	No description available.
Yes	685	typic tropofluvents	Typic Tropofluvents	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	704	durorthidic xerofluvents	Durorthidic Xerofluvents	No description available.
Yes	710	alfic cryorthents	Alfic Cryorthents	No description available.
Yes	714	pergelic cryorthents	Pergelic Cryorthents	No description available.
Yes	718	aquic durorthidic torriorthents	Aquic Durorthidic Torriorthents	No description available.
Yes	719	durorthidic torriorthents	Durorthidic Torriorthents	No description available.
Yes	720	durorthidic xeric torriorthents	Durorthidic Xeric Torriorthents	No description available.
Yes	731	typic troporthents	Typic Troporthents	No description available.
Yes	732	andic troporthents	Andic Troporthents	No description available.
Yes	733	lithic troporthents	Lithic Troporthents	No description available.
Yes	734	vitrandic troporthents	Vitrandic Troporthents	No description available.
Yes	736	andic udorthents	Andic Udorthents	No description available.
Yes	746	durorthidic ustorthents	Durorthidic Ustorthents	No description available.
Yes	753	andic xerorthents	Andic Xerorthents	No description available.
Yes	754	aquandic xerorthents	Aquandic Xerorthents	No description available.
Yes	756	aquic durorthidic xerorthents	Aquic Durorthidic Xerorthents	No description available.
Yes	757	durorthidic xerorthents	Durorthidic Xerorthents	No description available.
Yes	764	argic cryopsamments	Argic Cryopsamments	No description available.
Yes	767	pergelic cryopsamments	Pergelic Cryopsamments	No description available.
Yes	772	argic quartzipsamments	Argic Quartzipsamments	No description available.
Yes	773	argic ustic quartzipsamments	Argic Ustic Quartzipsamments	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	783	durorthidic torripsamments	Durorthidic Torripsamments	No description available.
Yes	784	durorthidic xeric torripsamments	Durorthidic Xeric Torripsamments	No description available.
Yes	788	typic tropopsamments	Typic Tropopsamments	No description available.
Yes	789	aquic tropopsamments	Aquic Tropopsamments	No description available.
Yes	790	lithic tropopsamments	Lithic Tropopsamments	No description available.
Yes	791	oxyaquic tropopsamments	Oxyaquic Tropopsamments	No description available.
Yes	794	argic udipsamments	Argic Udipsamments	No description available.
Yes	797	plaggeptic udipsamments	Plaggeptic Udipsamments	No description available.
Yes	801	argic ustipsamments	Argic Ustipsamments	No description available.
Yes	806	aquic durorthidic xeropsamments	Aquic Durorthidic Xeropsamments	No description available.
Yes	807	argic xeropsamments	Argic Xeropsamments	No description available.
Yes	808	durorthidic xeropsamments	Durorthidic Xeropsamments	No description available.
Yes	812	typic borofibrists	Typic Borofibrists	No description available.
Yes	813	fluvaquentic borofibrists	Fluvaquentic Borofibrists	No description available.
Yes	814	hemic terric borofibrists	Hemic Terric Borofibrists	No description available.
Yes	815	hemic borofibrists	Hemic Borofibrists	No description available.
Yes	816	hydric borofibrists	Hydric Borofibrists	No description available.
Yes	817	lithic borofibrists	Lithic Borofibrists	No description available.
Yes	818	limnic borofibrists	Limnic Borofibrists	No description available.
Yes	819	sapric borofibrists	Sapric Borofibrists	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	820	sapric terric borofibrists	Sapric Terric Borofibrists	No description available.
Yes	821	sphagnic terric borofibrists	Sphagnic Terric Borofibrists	No description available.
Yes	822	sphagnic borofibrists	Sphagnic Borofibrists	No description available.
Yes	823	terrific borofibrists	Terrific Borofibrists	No description available.
Yes	827	pergelic cryofibrists	Pergelic Cryofibrists	No description available.
Yes	830	typic medifibrists	Typic Medifibrists	No description available.
Yes	831	fluvaquentic medifibrists	Fluvaquentic Medifibrists	No description available.
Yes	832	hemic terric medifibrists	Hemic Terric Medifibrists	No description available.
Yes	833	hemic medifibrists	Hemic Medifibrists	No description available.
Yes	834	hydric medifibrists	Hydric Medifibrists	No description available.
Yes	835	lithic medifibrists	Lithic Medifibrists	No description available.
Yes	836	limnic medifibrists	Limnic Medifibrists	No description available.
Yes	837	sapric medifibrists	Sapric Medifibrists	No description available.
Yes	838	sapric terric medifibrists	Sapric Terric Medifibrists	No description available.
Yes	839	sphagnic terric medifibrists	Sphagnic Terric Medifibrists	No description available.
Yes	840	sphagnic medifibrists	Sphagnic Medifibrists	No description available.
Yes	841	terrific medifibrists	Terrific Medifibrists	No description available.
Yes	843	crylic sphagnofibrists	Crylic Sphagnofibrists	No description available.
Yes	849	pergelic sphagnofibrists	Pergelic Sphagnofibrists	No description available.
Yes	850	sapric sphagnofibrists	Sapric Sphagnofibrists	No description available.
Yes	852	typic tropofibrists	Typic Tropofibrists	No description available.
Yes	853	fluvaquentic tropofibrists	Fluvaquentic Tropofibrists	No description available.



Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	854	hemic terric tropofibrists	Hemic Terric Tropofibrists	No description available.
Yes	855	hemic tropofibrists	Hemic Tropofibrists	No description available.
Yes	856	hydric tropofibrists	Hydric Tropofibrists	No description available.
Yes	857	lithic tropofibrists	Lithic Tropofibrists	No description available.
Yes	858	limnic tropofibrists	Limnic Tropofibrists	No description available.
Yes	859	sapric tropofibrists	Sapric Tropofibrists	No description available.
Yes	860	sapric terric tropofibrists	Sapric Terric Tropofibrists	No description available.
Yes	861	terrific tropofibrists	Terrific Tropofibrists	No description available.
Yes	862	typic borofolists	Typic Borofolists	No description available.
Yes	863	lithic borofolists	Lithic Borofolists	No description available.
Yes	866	typic medifolists	Typic Medifolists	No description available.
Yes	867	lithic medifolists	Lithic Medifolists	No description available.
Yes	868	typic tropofolists	Typic Tropofolists	No description available.
Yes	869	lithic tropofolists	Lithic Tropofolists	No description available.
Yes	870	typic borohemists	Typic Borohemists	No description available.
Yes	871	fibric terric borohemists	Fibric Terric Borohemists	No description available.
Yes	872	fibric borohemists	Fibric Borohemists	No description available.
Yes	873	fluvaquentic borohemists	Fluvaquentic Borohemists	No description available.
Yes	874	hydric borohemists	Hydric Borohemists	No description available.
Yes	875	lithic borohemists	Lithic Borohemists	No description available.
Yes	876	limnic borohemists	Limnic Borohemists	No description available.
Yes	877	sapric borohemists	Sapric Borohemists	No description available.
Yes	878	sapric terric borohemists	Sapric Terric Borohemists	No description available.
Yes	879	terrific borohemists	Terrific Borohemists	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	883	pergelic cryohemists	Pergelic Cryohemists	No description available.
Yes	885	typic medihemists	Typic Medihemists	No description available.
Yes	886	fibric terric medihemists	Fibric Terric Medihemists	No description available.
Yes	887	fibric medihemists	Fibric Medihemists	No description available.
Yes	888	fluvaquentic medihemists	Fluvaquentic Medihemists	No description available.
Yes	889	hydric medihemists	Hydric Medihemists	No description available.
Yes	890	lithic medihemists	Lithic Medihemists	No description available.
Yes	891	limnic medihemists	Limnic Medihemists	No description available.
Yes	892	sapric medihemists	Sapric Medihemists	No description available.
Yes	893	sapric terric medihemists	Sapric Terric Medihemists	No description available.
Yes	894	terrific medihemists	Terrific Medihemists	No description available.
Yes	898	typic tropohemists	Typic Tropohemists	No description available.
Yes	899	fibric terric tropohemists	Fibric Terric Tropohemists	No description available.
Yes	900	fibric tropohemists	Fibric Tropohemists	No description available.
Yes	901	fluvaquentic tropohemists	Fluvaquentic Tropohemists	No description available.
Yes	902	hydric tropohemists	Hydric Tropohemists	No description available.
Yes	903	lithic tropohemists	Lithic Tropohemists	No description available.
Yes	904	limnic tropohemists	Limnic Tropohemists	No description available.
Yes	905	sapric tropohemists	Sapric Tropohemists	No description available.
Yes	906	sapric terric tropohemists	Sapric Terric Tropohemists	No description available.
Yes	907	terrific tropohemists	Terrific Tropohemists	No description available.
Yes	908	typic borosapristis	Typic Borosapristis	No description available.
Yes	909	fibric terric borosapristis	Fibric Terric Borosapristis	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	910	fibric borosaprist	Fibric Borosaprist	No description available.
Yes	911	fluvaquentic borosaprist	Fluvaquentic Borosaprist	No description available.
Yes	912	hemic terric borosaprist	Hemic Terric Borosaprist	No description available.
Yes	913	hemic borosaprist	Hemic Borosaprist	No description available.
Yes	914	lithic borosaprist	Lithic Borosaprist	No description available.
Yes	915	limnic borosaprist	Limnic Borosaprist	No description available.
Yes	916	terrific borosaprist	Terrific Borosaprist	No description available.
Yes	920	pergelic cryosaprist	Pergelic Cryosaprist	No description available.
Yes	922	typic medisaprist	Typic Medisaprist	No description available.
Yes	923	fibric terric medisaprist	Fibric Terric Medisaprist	No description available.
Yes	924	fibric medisaprist	Fibric Medisaprist	No description available.
Yes	925	fluvaquentic medisaprist	Fluvaquentic Medisaprist	No description available.
Yes	926	hemic terric medisaprist	Hemic Terric Medisaprist	No description available.
Yes	927	hemic medisaprist	Hemic Medisaprist	No description available.
Yes	928	lithic medisaprist	Lithic Medisaprist	No description available.
Yes	929	limnic medisaprist	Limnic Medisaprist	No description available.
Yes	930	terrific medisaprist	Terrific Medisaprist	No description available.
Yes	934	typic troposaprist	Typic Troposaprist	No description available.
Yes	935	fibric terric troposaprist	Fibric Terric Troposaprist	No description available.
Yes	936	fibric troposaprist	Fibric Troposaprist	No description available.
Yes	937	fluvaquentic troposaprist	Fluvaquentic Troposaprist	No description available.
Yes	938	hemic terric troposaprist	Hemic Terric Troposaprist	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	939	hemic troposaprists	Hemic Troposaprists	No description available.
Yes	940	lithic troposaprists	Lithic Troposaprists	No description available.
Yes	941	limnic troposaprists	Limnic Troposaprists	No description available.
Yes	942	terrific troposaprists	Terrific Troposaprists	No description available.
Yes	948	histic pergelic cryaquepts	Histic Pergelic Cryaquepts	No description available.
Yes	950	humic pergelic cryaquepts	Humic Pergelic Cryaquepts	No description available.
Yes	953	pergelic ruptic-histic cryaquepts	Pergelic Ruptic-Histic Cryaquepts	No description available.
Yes	954	pergelic cryaquepts	Pergelic Cryaquepts	No description available.
Yes	974	mollic halaquepts	Mollic Halaquepts	No description available.
Yes	983	typic placaquepts	Typic Placaquepts	No description available.
Yes	984	aquandic placaquepts	Aquandic Placaquepts	No description available.
Yes	985	haplic placaquepts	Haplic Placaquepts	No description available.
Yes	986	histic placaquepts	Histic Placaquepts	No description available.
Yes	989	salorthidic sulfaquepts	Salorthidic Sulfaquepts	No description available.
Yes	990	typic trophaquepts	Typic Trophaquepts	No description available.
Yes	991	aeric trophaquepts	Aeric Trophaquepts	No description available.
Yes	992	aquandic trophaquepts	Aquandic Trophaquepts	No description available.
Yes	993	histic trophaquepts	Histic Trophaquepts	No description available.
Yes	994	lithic trophaquepts	Lithic Trophaquepts	No description available.
Yes	995	plinthic trophaquepts	Plinthic Trophaquepts	No description available.
Yes	996	sulfic trophaquepts	Sulfic Trophaquepts	No description available.
Yes	997	vertic trophaquepts	Vertic Trophaquepts	No description available.
Yes	998	typic cryochrepts	Typic Cryochrepts	No description available.
Yes	999	alfic cryochrepts	Alfic Cryochrepts	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	1,000	andic cryochrepts	Andic Cryochrepts	No description available.
Yes	1,001	aquic cryochrepts	Aquic Cryochrepts	No description available.
Yes	1,002	dystric cryochrepts	Dystric Cryochrepts	No description available.
Yes	1,003	lithic cryochrepts	Lithic Cryochrepts	No description available.
Yes	1,004	oxyaquic cryochrepts	Oxyaquic Cryochrepts	No description available.
Yes	1,005	pergelic cryochrepts	Pergelic Cryochrepts	No description available.
Yes	1,006	vitrandic cryochrepts	Vitrandic Cryochrepts	No description available.
Yes	1,007	typic durochrepts	Typic Durochrepts	No description available.
Yes	1,008	andic durochrepts	Andic Durochrepts	No description available.
Yes	1,009	aquandic durochrepts	Aquandic Durochrepts	No description available.
Yes	1,010	aquic durochrepts	Aquic Durochrepts	No description available.
Yes	1,011	dystric durochrepts	Dystric Durochrepts	No description available.
Yes	1,012	dystric entic durochrepts	Dystric Entic Durochrepts	No description available.
Yes	1,013	entic durochrepts	Entic Durochrepts	No description available.
Yes	1,014	ustic durochrepts	Ustic Durochrepts	No description available.
Yes	1,015	vitrandic durochrepts	Vitrandic Durochrepts	No description available.
Yes	1,016	typic dystrochrepts	Typic Dystrochrepts	No description available.
Yes	1,017	andic dystrochrepts	Andic Dystrochrepts	No description available.
Yes	1,018	aquandic dystrochrepts	Aquandic Dystrochrepts	No description available.
Yes	1,019	aquic dystrochrepts	Aquic Dystrochrepts	No description available.
Yes	1,020	fluvaquentic dystrochrepts	Fluvaquentic Dystrochrepts	No description available.
Yes	1,021	fluventic dystrochrepts	Fluventic Dystrochrepts	No description available.
Yes	1,022	fluventic umbric dystrochrepts	Fluventic Umbric Dystrochrepts	No description available.
Yes	1,023	lithic dystrochrepts	Lithic Dystrochrepts	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	1,024	lithic ruptic-alfic dystrochrepts	Lithic Ruptic-Alfic Dystrochrepts	No description available.
Yes	1,025	lithic ruptic-ultic dystrochrepts	Lithic Ruptic-Ultic Dystrochrepts	No description available.
Yes	1,026	oxyaquic dystrochrepts	Oxyaquic Dystrochrepts	No description available.
Yes	1,027	ruptic-alfic dystrochrepts	Ruptic-Alfic Dystrochrepts	No description available.
Yes	1,028	ruptic-ultic dystrochrepts	Ruptic-Ultic Dystrochrepts	No description available.
Yes	1,029	umbric dystrochrepts	Umbric Dystrochrepts	No description available.
Yes	1,030	vitrandic dystrochrepts	Vitrandic Dystrochrepts	No description available.
Yes	1,031	typic eutrochrepts	Typic Eutrochrepts	No description available.
Yes	1,032	anthraquic eutrochrepts	Anthraquic Eutrochrepts	No description available.
Yes	1,033	andic eutrochrepts	Andic Eutrochrepts	No description available.
Yes	1,034	aquic eutrochrepts	Aquic Eutrochrepts	No description available.
Yes	1,035	aquic dystric eutrochrepts	Aquic Dystric Eutrochrepts	No description available.
Yes	1,036	arenic eutrochrepts	Arenic Eutrochrepts	No description available.
Yes	1,037	dystric eutrochrepts	Dystric Eutrochrepts	No description available.
Yes	1,038	dystric fluventic eutrochrepts	Dystric Fluventic Eutrochrepts	No description available.
Yes	1,039	fluvaquentic eutrochrepts	Fluvaquentic Eutrochrepts	No description available.
Yes	1,040	fluventic eutrochrepts	Fluventic Eutrochrepts	No description available.
Yes	1,041	lithic eutrochrepts	Lithic Eutrochrepts	No description available.
Yes	1,042	lithic ruptic-alfic eutrochrepts	Lithic Ruptic-Alfic Eutrochrepts	No description available.
Yes	1,043	oxyaquic eutrochrepts	Oxyaquic Eutrochrepts	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	1,044	rendollic eutrochrepts	Rendollic Eutrochrepts	No description available.
Yes	1,045	ruptic-alfic eutrochrepts	Ruptic-Alfic Eutrochrepts	No description available.
Yes	1,046	vertic eutrochrepts	Vertic Eutrochrepts	No description available.
Yes	1,047	vitrandic eutrochrepts	Vitrandic Eutrochrepts	No description available.
Yes	1,048	typic fragiochrepts	Typic Fragiochrepts	No description available.
Yes	1,049	andic fragiochrepts	Andic Fragiochrepts	No description available.
Yes	1,050	aquic fragiochrepts	Aquic Fragiochrepts	No description available.
Yes	1,051	umbric fragiochrepts	Umbric Fragiochrepts	No description available.
Yes	1,052	vitrandic fragiochrepts	Vitrandic Fragiochrepts	No description available.
Yes	1,053	typic sulfochrepts	Typic Sulfochrepts	No description available.
Yes	1,054	typic ustochrepts	Typic Ustochrepts	No description available.
Yes	1,055	anthraquic ustochrepts	Anthraquic Ustochrepts	No description available.
Yes	1,056	andic ustochrepts	Andic Ustochrepts	No description available.
Yes	1,057	aquic ustochrepts	Aquic Ustochrepts	No description available.
Yes	1,058	aridic ustochrepts	Aridic Ustochrepts	No description available.
Yes	1,059	calcic udic ustochrepts	Calcic Udic Ustochrepts	No description available.
Yes	1,060	calciorthidic ustochrepts	Calciorthidic Ustochrepts	No description available.
Yes	1,061	calcic ustochrepts	Calcic Ustochrepts	No description available.
Yes	1,062	dystic ustochrepts	Dystic Ustochrepts	No description available.
Yes	1,063	fluventic ustochrepts	Fluventic Ustochrepts	No description available.
Yes	1,064	lithic ustochrepts	Lithic Ustochrepts	No description available.
Yes	1,065	torrifuventic ustochrepts	Torrifuventic Ustochrepts	No description available.
Yes	1,066	torrertic ustochrepts	Torrertic Ustochrepts	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	1,067	udic ustochrepts	Udic Ustochrepts	No description available.
Yes	1,068	udifluventic ustochrepts	Udifluventic Ustochrepts	No description available.
Yes	1,069	udertic ustochrepts	Udertic Ustochrepts	No description available.
Yes	1,070	vertic ustochrepts	Vertic Ustochrepts	No description available.
Yes	1,071	vitrandic ustochrepts	Vitrandic Ustochrepts	No description available.
Yes	1,072	typic xerochrepts	Typic Xerochrepts	No description available.
Yes	1,073	andic xerochrepts	Andic Xerochrepts	No description available.
Yes	1,074	aquandic xerochrepts	Aquandic Xerochrepts	No description available.
Yes	1,075	aquic xerochrepts	Aquic Xerochrepts	No description available.
Yes	1,076	aquic dystric xerochrepts	Aquic Dystric Xerochrepts	No description available.
Yes	1,077	calcixerollic xerochrepts	Calcixerollic Xerochrepts	No description available.
Yes	1,078	dystric xerochrepts	Dystric Xerochrepts	No description available.
Yes	1,079	dystric fluventic xerochrepts	Dystric Fluventic Xerochrepts	No description available.
Yes	1,080	dystric lithic xerochrepts	Dystric Lithic Xerochrepts	No description available.
Yes	1,081	fluventic xerochrepts	Fluventic Xerochrepts	No description available.
Yes	1,082	gypsic xerochrepts	Gypsic Xerochrepts	No description available.
Yes	1,083	lithic xerochrepts	Lithic Xerochrepts	No description available.
Yes	1,084	lithic ruptic-xerorthentic xerochrepts	Lithic Ruptic-Xerorthentic Xerochrepts	No description available.
Yes	1,085	petrocalcic xerochrepts	Petrocalcic Xerochrepts	No description available.
Yes	1,086	ruptic-lithic xerochrepts	Ruptic-Lithic Xerochrepts	No description available.
Yes	1,087	vertic xerochrepts	Vertic Xerochrepts	No description available.
Yes	1,088	vitrandic xerochrepts	Vitrandic Xerochrepts	No description available.



Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	1,089	typic dystropepts	Typic Dystropepts	No description available.
Yes	1,090	andic dystropepts	Andic Dystropepts	No description available.
Yes	1,091	aquic dystropepts	Aquic Dystropepts	No description available.
Yes	1,092	fluventic dystropepts	Fluventic Dystropepts	No description available.
Yes	1,093	lithic dystropepts	Lithic Dystropepts	No description available.
Yes	1,094	oxyaquic dystropepts	Oxyaquic Dystropepts	No description available.
Yes	1,095	oxic dystropepts	Oxic Dystropepts	No description available.
Yes	1,096	petroferic dystropepts	Petroferic Dystropepts	No description available.
Yes	1,097	ustic dystropepts	Ustic Dystropepts	No description available.
Yes	1,098	ustoxic dystropepts	Ustoxic Dystropepts	No description available.
Yes	1,099	vertic dystropepts	Vertic Dystropepts	No description available.
Yes	1,100	vitrandic dystropepts	Vitrandic Dystropepts	No description available.
Yes	1,101	typic eutropepts	Typic Eutropepts	No description available.
Yes	1,102	andic eutropepts	Andic Eutropepts	No description available.
Yes	1,103	aquic eutropepts	Aquic Eutropepts	No description available.
Yes	1,104	aquertic eutropepts	Aquertic Eutropepts	No description available.
Yes	1,105	fluvaquentic eutropepts	Fluvaquentic Eutropepts	No description available.
Yes	1,106	fluventic eutropepts	Fluventic Eutropepts	No description available.
Yes	1,107	lithic eutropepts	Lithic Eutropepts	No description available.
Yes	1,108	oxyaquic eutropepts	Oxyaquic Eutropepts	No description available.
Yes	1,109	vertic eutropepts	Vertic Eutropepts	No description available.
Yes	1,110	vitrandic eutropepts	Vitrandic Eutropepts	No description available.
Yes	1,111	typic humitropepts	Typic Humitropepts	No description available.
Yes	1,112	andic humitropepts	Andic Humitropepts	No description available.
Yes	1,113	aquic humitropepts	Aquic Humitropepts	No description available.
Yes	1,114	aquertic humitropepts	Aquertic Humitropepts	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	1,115	fluventic humitropepts	Fluventic Humitropepts	No description available.
Yes	1,116	lithic humitropepts	Lithic Humitropepts	No description available.
Yes	1,117	oxyaquic humitropepts	Oxyaquic Humitropepts	No description available.
Yes	1,118	oxic humitropepts	Oxic Humitropepts	No description available.
Yes	1,119	ustandic humitropepts	Ustandic Humitropepts	No description available.
Yes	1,120	ustic humitropepts	Ustic Humitropepts	No description available.
Yes	1,121	ustoxic humitropepts	Ustoxic Humitropepts	No description available.
Yes	1,122	vertic humitropepts	Vertic Humitropepts	No description available.
Yes	1,123	vitrandic humitropepts	Vitrandic Humitropepts	No description available.
Yes	1,124	typic ustropepts	Typic Ustropepts	No description available.
Yes	1,125	aquic ustropepts	Aquic Ustropepts	No description available.
Yes	1,126	fluventic ustropepts	Fluventic Ustropepts	No description available.
Yes	1,127	lithic ustropepts	Lithic Ustropepts	No description available.
Yes	1,128	oxyaquic ustropepts	Oxyaquic Ustropepts	No description available.
Yes	1,129	oxic ustropepts	Oxic Ustropepts	No description available.
Yes	1,130	vertic ustropepts	Vertic Ustropepts	No description available.
Yes	1,131	typic cryumbrepts	Typic Cryumbrepts	No description available.
Yes	1,132	andic cryumbrepts	Andic Cryumbrepts	No description available.
Yes	1,133	aquic cryumbrepts	Aquic Cryumbrepts	No description available.
Yes	1,134	entic cryumbrepts	Entic Cryumbrepts	No description available.
Yes	1,135	lithic cryumbrepts	Lithic Cryumbrepts	No description available.
Yes	1,136	lithic ruptic-entic cryumbrepts	Lithic Ruptic-Entic Cryumbrepts	No description available.
Yes	1,137	oxyaquic cryumbrepts	Oxyaquic Cryumbrepts	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	1,138	pergelic cryumbrepts	Pergelic Cryumbrepts	No description available.
Yes	1,139	ruptic-lithic cryumbrepts	Ruptic-Lithic Cryumbrepts	No description available.
Yes	1,140	vitrandic cryumbrepts	Vitrandic Cryumbrepts	No description available.
Yes	1,141	typic fragiumbrepts	Typic Fragiumbrepts	No description available.
Yes	1,142	andic fragiumbrepts	Andic Fragiumbrepts	No description available.
Yes	1,143	aquic fragiumbrepts	Aquic Fragiumbrepts	No description available.
Yes	1,144	vitrandic fragiumbrepts	Vitrandic Fragiumbrepts	No description available.
Yes	1,145	typic haplumbrepts	Typic Haplumbrepts	No description available.
Yes	1,146	andic haplumbrepts	Andic Haplumbrepts	No description available.
Yes	1,147	aquandic haplumbrepts	Aquandic Haplumbrepts	No description available.
Yes	1,148	aquic haplumbrepts	Aquic Haplumbrepts	No description available.
Yes	1,149	cumulic haplumbrepts	Cumulic Haplumbrepts	No description available.
Yes	1,150	entic haplumbrepts	Entic Haplumbrepts	No description available.
Yes	1,151	fluventic haplumbrepts	Fluventic Haplumbrepts	No description available.
Yes	1,152	lithic haplumbrepts	Lithic Haplumbrepts	No description available.
Yes	1,153	oxyaquic haplumbrepts	Oxyaquic Haplumbrepts	No description available.
Yes	1,154	pachic haplumbrepts	Pachic Haplumbrepts	No description available.
Yes	1,155	psammentic haplumbrepts	Psammentic Haplumbrepts	No description available.
Yes	1,156	quartzipsammentic haplumbrepts	Quartzipsammentic Haplumbrepts	No description available.
Yes	1,157	vitrandic haplumbrepts	Vitrandic Haplumbrepts	No description available.
Yes	1,158	typic xerumbrepts	Typic Xerumbrepts	No description available.
Yes	1,159	andic xerumbrepts	Andic Xerumbrepts	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	1,160	aquic xerumbrepts	Aquic Xerumbrepts	No description available.
Yes	1,161	entic xerumbrepts	Entic Xerumbrepts	No description available.
Yes	1,162	fluventic xerumbrepts	Fluventic Xerumbrepts	No description available.
Yes	1,163	lithic xerumbrepts	Lithic Xerumbrepts	No description available.
Yes	1,164	pachic xerumbrepts	Pachic Xerumbrepts	No description available.
Yes	1,165	vitrandic xerumbrepts	Vitrandic Xerumbrepts	No description available.
Yes	1,188	pergelic cryaquolls	Pergelic Cryaquolls	No description available.
Yes	1,214	typic argiborolls	Typic Argiborolls	No description available.
Yes	1,215	abruptic aridic argiborolls	Abruptic Aridic Argiborolls	No description available.
Yes	1,216	abruptic udic argiborolls	Abruptic Udic Argiborolls	No description available.
Yes	1,217	abruptic argiborolls	Abruptic Argiborolls	No description available.
Yes	1,218	albic argiborolls	Albic Argiborolls	No description available.
Yes	1,219	albollic argiborolls	Albollic Argiborolls	No description available.
Yes	1,220	andic argiborolls	Andic Argiborolls	No description available.
Yes	1,221	aquic argiborolls	Aquic Argiborolls	No description available.
Yes	1,222	aridic argiborolls	Aridic Argiborolls	No description available.
Yes	1,223	arenic argiborolls	Arenic Argiborolls	No description available.
Yes	1,224	boralfic udic argiborolls	Boralfic Udic Argiborolls	No description available.
Yes	1,225	boralfic argiborolls	Boralfic Argiborolls	No description available.
Yes	1,226	lithic argiborolls	Lithic Argiborolls	No description available.
Yes	1,227	oxyaquic argiborolls	Oxyaquic Argiborolls	No description available.
Yes	1,228	pachic udic argiborolls	Pachic Udic Argiborolls	No description available.
Yes	1,229	pachic argiborolls	Pachic Argiborolls	No description available.
Yes	1,230	torrertic argiborolls	Torrertic Argiborolls	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	1,231	udic argiborolls	Udic Argiborolls	No description available.
Yes	1,232	ustertic argiborolls	Ustertic Argiborolls	No description available.
Yes	1,233	vertic argiborolls	Vertic Argiborolls	No description available.
Yes	1,234	vitrandic argiborolls	Vitrandic Argiborolls	No description available.
Yes	1,235	typic calciborolls	Typic Calciborolls	No description available.
Yes	1,236	aquic calciborolls	Aquic Calciborolls	No description available.
Yes	1,237	aridic calciborolls	Aridic Calciborolls	No description available.
Yes	1,238	lithic calciborolls	Lithic Calciborolls	No description available.
Yes	1,239	oxyaquic calciborolls	Oxyaquic Calciborolls	No description available.
Yes	1,240	petrocalcic calciborolls	Petrocalcic Calciborolls	No description available.
Yes	1,241	udic calciborolls	Udic Calciborolls	No description available.
Yes	1,242	typic cryoborolls	Typic Cryoborolls	No description available.
Yes	1,243	abruptic cryoborolls	Abruptic Cryoborolls	No description available.
Yes	1,244	albic cryoborolls	Albic Cryoborolls	No description available.
Yes	1,245	andic cryoborolls	Andic Cryoborolls	No description available.
Yes	1,246	aquic cryoborolls	Aquic Cryoborolls	No description available.
Yes	1,247	argiaquic cryoborolls	Argiaquic Cryoborolls	No description available.
Yes	1,248	argic cryoborolls	Argic Cryoborolls	No description available.
Yes	1,249	argic lithic cryoborolls	Argic Lithic Cryoborolls	No description available.
Yes	1,250	argic pachic cryoborolls	Argic Pachic Cryoborolls	No description available.
Yes	1,251	argic vertic cryoborolls	Argic Vertic Cryoborolls	No description available.
Yes	1,252	boralfic lithic cryoborolls	Boralfic Lithic Cryoborolls	No description available.
Yes	1,253	boralfic cryoborolls	Boralfic Cryoborolls	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	1,254	calcic pachic cryoborolls	Calcic Pachic Cryoborolls	No description available.
Yes	1,255	calcic cryoborolls	Calcic Cryoborolls	No description available.
Yes	1,256	cumulic cryoborolls	Cumulic Cryoborolls	No description available.
Yes	1,257	duric cryoborolls	Duric Cryoborolls	No description available.
Yes	1,258	fluvaquentic cryoborolls	Fluvaquentic Cryoborolls	No description available.
Yes	1,259	fluventic cryoborolls	Fluventic Cryoborolls	No description available.
Yes	1,260	lithic cryoborolls	Lithic Cryoborolls	No description available.
Yes	1,261	lithic ruptic-argic cryoborolls	Lithic Ruptic-Argic Cryoborolls	No description available.
Yes	1,262	lithic ruptic-entic cryoborolls	Lithic Ruptic-Entic Cryoborolls	No description available.
Yes	1,263	natric cryoborolls	Natric Cryoborolls	No description available.
Yes	1,264	oxyaquic cryoborolls	Oxyaquic Cryoborolls	No description available.
Yes	1,265	pachic cryoborolls	Pachic Cryoborolls	No description available.
Yes	1,266	pergelic cryoborolls	Pergelic Cryoborolls	No description available.
Yes	1,267	vertic cryoborolls	Vertic Cryoborolls	No description available.
Yes	1,268	vitrandic cryoborolls	Vitrandic Cryoborolls	No description available.
Yes	1,269	typic haploborolls	Typic Haploborolls	No description available.
Yes	1,270	andic haploborolls	Andic Haploborolls	No description available.
Yes	1,271	aquic haploborolls	Aquic Haploborolls	No description available.
Yes	1,272	aridic haploborolls	Aridic Haploborolls	No description available.
Yes	1,273	cumulic udic haploborolls	Cumulic Udic Haploborolls	No description available.
Yes	1,274	cumulic haploborolls	Cumulic Haploborolls	No description available.
Yes	1,275	entic haploborolls	Entic Haploborolls	No description available.
Yes	1,276	fluvaquentic haploborolls	Fluvaquentic Haploborolls	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	1,277	fluventic haploborolls	Fluventic Haploborolls	No description available.
Yes	1,278	lithic haploborolls	Lithic Haploborolls	No description available.
Yes	1,279	oxyaquic haploborolls	Oxyaquic Haploborolls	No description available.
Yes	1,280	pachic udic haploborolls	Pachic Udic Haploborolls	No description available.
Yes	1,281	pachic haploborolls	Pachic Haploborolls	No description available.
Yes	1,282	ruptic-lithic haploborolls	Ruptic-Lithic Haploborolls	No description available.
Yes	1,283	salorthidic haploborolls	Salorthidic Haploborolls	No description available.
Yes	1,284	torrifuventic haploborolls	Torrifuventic Haploborolls	No description available.
Yes	1,285	torriorthentic haploborolls	Torriorthentic Haploborolls	No description available.
Yes	1,286	udic haploborolls	Udic Haploborolls	No description available.
Yes	1,287	udorthentic haploborolls	Udorthentic Haploborolls	No description available.
Yes	1,288	udertic haploborolls	Udertic Haploborolls	No description available.
Yes	1,289	vertic haploborolls	Vertic Haploborolls	No description available.
Yes	1,290	vitrandic haploborolls	Vitrandic Haploborolls	No description available.
Yes	1,291	typic natriborolls	Typic Natriborolls	No description available.
Yes	1,292	aridic natriborolls	Aridic Natriborolls	No description available.
Yes	1,293	glossic natriborolls	Glossic Natriborolls	No description available.
Yes	1,294	glossic udic natriborolls	Glossic Udic Natriborolls	No description available.
Yes	1,295	leptic natriborolls	Leptic Natriborolls	No description available.
Yes	1,296	udic natriborolls	Udic Natriborolls	No description available.
Yes	1,297	vertic natriborolls	Vertic Natriborolls	No description available.
Yes	1,298	typic paleborolls	Typic Paleborolls	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	1,299	abruptic cryic paleborolls	Abruptic Cryic Paleborolls	No description available.
Yes	1,300	abruptic paleborolls	Abruptic Paleborolls	No description available.
Yes	1,301	aquic paleborolls	Aquic Paleborolls	No description available.
Yes	1,302	cryic pachic paleborolls	Cryic Pachic Paleborolls	No description available.
Yes	1,303	cryic paleborolls	Cryic Paleborolls	No description available.
Yes	1,304	oxyaquic paleborolls	Oxyaquic Paleborolls	No description available.
Yes	1,305	pachic paleborolls	Pachic Paleborolls	No description available.
Yes	1,306	vertic paleborolls	Vertic Paleborolls	No description available.
Yes	1,307	typic vermiborolls	Typic Vermiborolls	No description available.
Yes	1,308	aridic vermiborolls	Aridic Vermiborolls	No description available.
Yes	1,309	haplic vermiborolls	Haplic Vermiborolls	No description available.
Yes	1,310	hapludic vermiborolls	Hapludic Vermiborolls	No description available.
Yes	1,311	lithic vermiborolls	Lithic Vermiborolls	No description available.
Yes	1,312	udic vermiborolls	Udic Vermiborolls	No description available.
Yes	1,313	typic rendolls	Typic Rendolls	No description available.
Yes	1,314	cryic lithic rendolls	Cryic Lithic Rendolls	No description available.
Yes	1,315	cryic rendolls	Cryic Rendolls	No description available.
Yes	1,316	entic rendolls	Entic Rendolls	No description available.
Yes	1,317	eutrochreptic rendolls	Eutrochreptic Rendolls	No description available.
Yes	1,318	eutropeptic rendolls	Eutropeptic Rendolls	No description available.
Yes	1,319	lithic rendolls	Lithic Rendolls	No description available.
Yes	1,320	vertic rendolls	Vertic Rendolls	No description available.
Yes	1,355	petrocalcic paleudolls	Petrocalcic Paleudolls	No description available.
Yes	1,358	entic vermudolls	Entic Vermudolls	No description available.
Yes	1,366	boralfic argiustolls	Boralfic Argiustolls	No description available.



Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	1,374	ustalfic argiustolls	Ustalfic Argiustolls	No description available.
Yes	1,386	salorthidic calciustolls	Salorthidic Calciustolls	No description available.
Yes	1,392	aridic durustolls	Aridic Durustolls	No description available.
Yes	1,396	orthidic durustolls	Orthidic Durustolls	No description available.
Yes	1,412	salorthidic haplustolls	Salorthidic Haplustolls	No description available.
Yes	1,433	calciorthidic paleustolls	Calciorthidic Paleustolls	No description available.
Yes	1,445	haplic vermustolls	Haplic Vermustolls	No description available.
Yes	1,449	albic argixerolls	Albic Argixerolls	No description available.
Yes	1,454	aridic calcic argixerolls	Aridic Calcic Argixerolls	No description available.
Yes	1,455	boralfic argixerolls	Boralfic Argixerolls	No description available.
Yes	1,459	durargidic argixerolls	Durargidic Argixerolls	No description available.
Yes	1,479	abruptic aridic durixerolls	Abruptic Aridic Durixerolls	No description available.
Yes	1,480	abruptic durixerolls	Abruptic Durixerolls	No description available.
Yes	1,482	argic durixerolls	Argic Durixerolls	No description available.
Yes	1,483	aridic durixerolls	Aridic Durixerolls	No description available.
Yes	1,484	entic durixerolls	Entic Durixerolls	No description available.
Yes	1,486	orthidic durixerolls	Orthidic Durixerolls	No description available.
Yes	1,496	aridic duric haploxerolls	Aridic Duric Haploxerolls	No description available.
Yes	1,498	calciorthidic haploxerolls	Calciorthidic Haploxerolls	No description available.
Yes	1,529	aridic petrocalcic pallexerolls	Aridic Petrocalcic Pallexerolls	No description available.
Yes	1,531	natric pallexerolls	Natric Pallexerolls	No description available.
Yes	1,578	umbreptic eutroperox	Umbreptic Eutroperox	No description available.
Yes	1,649	umbreptic eutrudox	Umbreptic Eutrudox	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	1,713	umbreptic eustrustox	Umbreptic Eustrustox	No description available.
Yes	1,764	pergelic cryaquods	Pergelic Cryaquods	No description available.
Yes	1,784	plaggeptic fragiaquods	Plaggeptic Fragiaquods	No description available.
Yes	1,800	pergelic haplocryods	Pergelic Haplocryods	No description available.
Yes	1,807	pergelic humicryods	Pergelic Humicryods	No description available.
Yes	1,815	plaggeptic haplohumods	Plaggeptic Haplohumods	No description available.
Yes	1,820	crylic placohumods	Crylic Placohumods	No description available.
Yes	1,826	grossarenic entic alorthods	Grossarenic Entic Alorthods	No description available.
Yes	1,829	plaggeptic alorthods	Plaggeptic Alorthods	No description available.
Yes	1,838	plaggeptic fragiorthods	Plaggeptic Fragiorthods	No description available.
Yes	1,866	plinthudic fragiaquults	Plinthudic Fragiaquults	No description available.
Yes	1,870	acric kandiaquults	Acric Kandiaquults	No description available.
Yes	1,943	ochreptic hapludults	Ochreptic Hapludults	No description available.
Yes	1,946	ruptic-lithic-entic hapludults	Ruptic-Lithic-Entic Hapludults	No description available.
Yes	1,994	psammaquentic paleudults	Psammaquentic Paleudults	No description available.
Yes	2,042	ruptic-lithic-xerochreptic haploxerults	Ruptic-Lithic- Xerochreptic Haploxerults	No description available.
Yes	2,052	alic dystraquerts	Alic Dystraquerts	No description available.
Yes	2,109	alic dystruderts	Alic Dystruderts	No description available.
Yes	2,198	acric plinthic	Acric Plinthic	No description available.
Yes	2,199	aeric arenic	Aeric Arenic	No description available.
Yes	2,200	aeric grossarenic	Aeric Grossarenic	No description available.
Yes	2,201	aeric mollic	Aeric Mollic	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	2,202	aeric xeric	Aeric Xeric	No description available.
Yes	2,203	alfic andeptic	Alfic Andeptic	No description available.
Yes	2,204	ruptic-alfic lithic	Ruptic-Alfic Lithic	No description available.
Yes	2,205	andeptic	Andeptic	No description available.
Yes	2,206	andaquic	Andaquic	No description available.
Yes	2,207	andic dystric	Andic Dystric	No description available.
Yes	2,208	andic epiaquic	Andic Epiaquic	No description available.
Yes	2,209	andeptic glossoboric	Andeptic Glossoboric	No description available.
Yes	2,210	andic udic	Andic Udic	No description available.
Yes	2,211	andic ustic	Andic Ustic	No description available.
Yes	2,212	andaqueptic	Andaqueptic	No description available.
Yes	2,213	aquic anionic	Aquic Anionic	No description available.
Yes	2,214	aquic psammentic	Aquic Psammentic	No description available.
Yes	2,215	arenic orthoxic	Arenic Orthoxic	No description available.
Yes	2,216	argixerollic	Argixerollic	No description available.
Yes	2,217	argidic	Argidic	No description available.
Yes	2,218	aridic pachic	Aridic Pachic	No description available.
Yes	2,219	chromudic	Chromudic	No description available.
Yes	2,220	durochreptic	Durochreptic	No description available.
Yes	2,221	dystropeptic	Dystropeptic	No description available.
Yes	2,222	ruptic-entic lithic	Ruptic-Entic Lithic	No description available.
Yes	2,223	epiaquic	Epiaquic	No description available.
Yes	2,224	epiaquic orthoxic	Epiaquic Orthoxic	No description available.
Yes	2,225	glossoboralfic	Glossoboralfic	No description available.
Yes	2,226	haplaquodic	Haplaquodic	No description available.
Yes	2,227	haplaquic	Haplaquic	No description available.
Yes	2,228	hapludollic	Hapludollic	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	2,229	humic lithic	Humic Lithic	No description available.
Yes	2,230	humoxic	Humoxic	No description available.
Yes	2,231	lithic ruptic-entic	Lithic Ruptic-Entic	No description available.
Yes	2,232	lithic udic	Lithic Udic	No description available.
Yes	2,233	lithic umbric	Lithic Umbric	No description available.
Yes	2,234	lithic vertic	Lithic Vertic	No description available.
Yes	2,235	orthic	Orthic	No description available.
Yes	2,236	orthoxic	Orthoxic	No description available.
Yes	2,237	paleustollic	Paleustollic	No description available.
Yes	2,238	palexerollic	Palexerollic	No description available.
Yes	2,239	paralithic vertic	Paralithic Vertic	No description available.
Yes	2,240	pergelic sideric	Pergelic Sideric	No description available.
Yes	2,241	plaggic	Plaggic	No description available.
Yes	2,242	sideric	Sideric	No description available.
Yes	2,243	sombrihumic	Sombrihumic	No description available.
Yes	2,244	tropaquodic	Tropaquodic	No description available.
Yes	2,245	tropeptic	Tropeptic	No description available.
Yes	2,246	humic rhodic	Humic Rhodic	No description available.
Yes	2,247	udalfic	Udalfic	No description available.
Yes	2,248	ultic vitric	Ultic Vitric	No description available.
Yes	2,249	vitrustandic	Vitrustandic	No description available.
Yes	2,338	vitrixerandic petrocalcids	Vitrixerandic Petrocalcids	No description available.
Yes	2,339	vitrandic petrocalcids	Vitrandic Petrocalcids	No description available.
Yes	2,343	typic anthracambids	Typic Anthracambids	No description available.
Yes	2,426	xerochreptic haplodurids	Xerochreptic Haplodurids	No description available.
Yes	2,510	durinodic albaqualfs	Durinodic Albaqualfs	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	2,526	aquertic argiborolls	Aquertic Argiborolls	No description available.
Yes	2,531	aquic cumulic cryoborolls	Aquic Cumulic Cryoborolls	No description available.
Yes	2,532	aquic cumulic haploborolls	Aquic Cumulic Haploborolls	No description available.
Yes	2,540	typic natriboralfs	Typic Natriboralfs	No description available.
Yes	2,546	typic luvifibrists	Typic Luvifibrists	No description available.
Yes	2,548	typic plinthaquepts	Typic Plinthaquepts	No description available.
Yes	2,549	typic plaggepts	Typic Plaggepts	No description available.
Yes	2,550	typic sombritropepts	Typic Sombritropepts	No description available.
Yes	2,557	duridic torrifluvents	Duridic Torrifluvents	No description available.
Yes	2,558	duridic xeric torrifluvents	Duridic Xeric Torrifluvents	No description available.
Yes	2,560	aquic haploduridic torriorthents	Aquic Haploduridic Torriorthents	No description available.
Yes	2,561	haploduridic torriorthents	Haploduridic Torriorthents	No description available.
Yes	2,562	haploduridic xeric torriorthents	Haploduridic Xeric Torriorthents	No description available.
Yes	2,565	aquic durinodic xerorthents	Aquic Durinodic Xerorthents	No description available.
Yes	2,567	haploduridic xeric torripsamments	Haploduridic Xeric Torripsamments	No description available.
Yes	2,571	haplocalcidic ustochrepts	Haplocalcidic Ustochrepts	No description available.
Yes	2,572	paleargidic argiborolls	Paleargidic Argiborolls	No description available.
Yes	2,573	salidic haploborolls	Salidic Haploborolls	No description available.
Yes	2,578	calciargidic paleustolls	Calciargidic Paleustolls	No description available.
Yes	2,583	udollic ochraqualfs	Udollic Ochraqualfs	No description available.
Yes	2,584	typic haplaquolls	Typic Haplaquolls	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	2,585	aeric ochraqualfs	Aeric Ochraqualfs	No description available.
Yes	2,586	fluvaquentic haplaquolls	Fluvaquentic Haplaquolls	No description available.
Yes	2,587	alfic udipsamments	Alfic Udipsamments	No description available.
Yes	2,588	mollic haplaquepts	Mollic Haplaquepts	No description available.
Yes	2,589	alfic haplaquods	Alfic Haplaquods	No description available.
Yes	2,590	typic chromusterts	Typic Chromusterts	No description available.
Yes	2,591	entic pellusterts	Entic Pellusterts	No description available.
Yes	2,592	alfic ustipsamments	Alfic Ustipsamments	No description available.
Yes	2,593	cumulic haplaquolls	Cumulic Haplaquolls	No description available.
Yes	2,594	typic ochraqualfs	Typic Ochraqualfs	No description available.
Yes	2,595	aeric umbric ochraqualfs	Aeric Umbric Ochraqualfs	No description available.
Yes	2,596	andaqueptic ochraqualfs	Andaqueptic Ochraqualfs	No description available.
Yes	2,597	arenic ochraqualfs	Arenic Ochraqualfs	No description available.
Yes	2,598	grossarenic ochraqualfs	Grossarenic Ochraqualfs	No description available.
Yes	2,599	mollic ochraqualfs	Mollic Ochraqualfs	No description available.
Yes	2,600	umbric ochraqualfs	Umbric Ochraqualfs	No description available.
Yes	2,601	vertic ochraqualfs	Vertic Ochraqualfs	No description available.
Yes	2,602	andeptic cryoboralfs	Andeptic Cryoboralfs	No description available.
Yes	2,603	typic tropudalfs	Typic Tropudalfs	No description available.
Yes	2,604	aquic tropudalfs	Aquic Tropudalfs	No description available.
Yes	2,605	lithic tropudalfs	Lithic Tropudalfs	No description available.
Yes	2,606	ultic tropudalfs	Ultic Tropudalfs	No description available.
Yes	2,607	oxic haplustalfs	Oxic Haplustalfs	No description available.
Yes	2,608	oxic paleustalfs	Oxic Paleustalfs	No description available.
Yes	2,609	oxic rhodustalfs	Oxic Rhodustalfs	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	2,610	ruptic-lithic-xerochreptic haploxeralfs	Ruptic-Lithic-Xerochreptic Haploxeralfs	No description available.
Yes	2,611	typic haplaquands	Typic Haplaquands	No description available.
Yes	2,612	alic haplaquands	Alic Haplaquands	No description available.
Yes	2,614	ultic vitric haploxerands	Ultic Vitric Haploxerands	No description available.
Yes	2,615	umbric haploxerands	Umbric Haploxerands	No description available.
Yes	2,616	vitric haploxerands	Vitric Haploxerands	No description available.
Yes	2,617	mollic vitrixerands	Mollic Vitrixerands	No description available.
Yes	2,618	spodic vitrixerands	Spodic Vitrixerands	No description available.
Yes	2,619	aridic natrargids	Aridic Natrargids	No description available.
Yes	2,620	andaqueptic fluvaquents	Andaqueptic Fluvaquents	No description available.
Yes	2,621	histic fluvaquents	Histic Fluvaquents	No description available.
Yes	2,622	typic haplaquents	Typic Haplaquents	No description available.
Yes	2,623	aeric haplaquents	Aeric Haplaquents	No description available.
Yes	2,624	mollic haplaquents	Mollic Haplaquents	No description available.
Yes	2,625	typic tropaquents	Typic Tropaquents	No description available.
Yes	2,626	andeptic cryofluvents	Andeptic Cryofluvents	No description available.
Yes	2,627	andeptic udorthents	Andeptic Udorthents	No description available.
Yes	2,628	alfic cryopsamments	Alfic Cryopsamments	No description available.
Yes	2,629	haplaquodic quartzipsamments	Haplaquodic Quartzipsamments	No description available.
Yes	2,630	alfic xeropsamments	Alfic Xeropsamments	No description available.
Yes	2,631	fluventic medihemists	Fluventic Medihemists	No description available.
Yes	2,632	typic cryandepts	Typic Cryandepts	No description available.
Yes	2,633	dystrie cryandepts	Dystrie Cryandepts	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	2,634	dystric lithic cryandepts	Dystric Lithic Cryandepts	No description available.
Yes	2,635	entic cryandepts	Entic Cryandepts	No description available.
Yes	2,636	xeric durandepts	Xeric Durandepts	No description available.
Yes	2,637	typic dystrandepts	Typic Dystrandepts	No description available.
Yes	2,638	aquic dystrandepts	Aquic Dystrandepts	No description available.
Yes	2,639	entic dystrandepts	Entic Dystrandepts	No description available.
Yes	2,640	hydric dystrandepts	Hydric Dystrandepts	No description available.
Yes	2,641	hydric lithic dystrandepts	Hydric Lithic Dystrandepts	No description available.
Yes	2,642	lithic dystrandepts	Lithic Dystrandepts	No description available.
Yes	2,643	oxic dystrandepts	Oxic Dystrandepts	No description available.
Yes	2,644	typic eutrandepts	Typic Eutrandepts	No description available.
Yes	2,645	entic eutrandepts	Entic Eutrandepts	No description available.
Yes	2,646	lithic eutrandepts	Lithic Eutrandepts	No description available.
Yes	2,647	udic eutrandepts	Udic Eutrandepts	No description available.
Yes	2,648	ustollic eutrandepts	Ustollic Eutrandepts	No description available.
Yes	2,649	typic hydrandepts	Typic Hydrandepts	No description available.
Yes	2,650	lithic hydrandepts	Lithic Hydrandepts	No description available.
Yes	2,651	typic placandepts	Typic Placandepts	No description available.
Yes	2,652	typic vitrandepts	Typic Vitrandepts	No description available.
Yes	2,653	aquic vitrandepts	Aquic Vitrandepts	No description available.
Yes	2,654	lithic vitrandepts	Lithic Vitrandepts	No description available.
Yes	2,655	lithic mollic vitrandepts	Lithic Mollic Vitrandepts	No description available.
Yes	2,656	lithic umbric vitrandepts	Lithic Umbric Vitrandepts	No description available.
Yes	2,657	mollic vitrandepts	Mollic Vitrandepts	No description available.
Yes	2,658	umbric vitrandepts	Umbric Vitrandepts	No description available.



Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	2,659	typic andaquepts	Typic Andaquepts	No description available.
Yes	2,660	aeric andaquepts	Aeric Andaquepts	No description available.
Yes	2,661	haplic andaquepts	Haplic Andaquepts	No description available.
Yes	2,662	histic andaquepts	Histic Andaquepts	No description available.
Yes	2,663	mollic andaquepts	Mollic Andaquepts	No description available.
Yes	2,664	andic cryaquepts	Andic Cryaquepts	No description available.
Yes	2,665	typic haplaquepts	Typic Haplaquepts	No description available.
Yes	2,666	aeric haplaquepts	Aeric Haplaquepts	No description available.
Yes	2,667	fluvaquentic haplaquepts	Fluvaquentic Haplaquepts	No description available.
Yes	2,668	humic haplaquepts	Humic Haplaquepts	No description available.
Yes	2,669	lithic haplaquepts	Lithic Haplaquepts	No description available.
Yes	2,670	sulfic haplaquepts	Sulfic Haplaquepts	No description available.
Yes	2,671	vertic haplaquepts	Vertic Haplaquepts	No description available.
Yes	2,672	fluvaquentic xerochrepts	Fluvaquentic Xerochrepts	No description available.
Yes	2,673	lithic vertic ustropepts	Lithic Vertic Ustropepts	No description available.
Yes	2,674	andaqueptic haplaquolls	Andaqueptic Haplaquolls	No description available.
Yes	2,675	aquandic haplaquolls	Aquandic Haplaquolls	No description available.
Yes	2,676	duric haplaquolls	Duric Haplaquolls	No description available.
Yes	2,677	histic haplaquolls	Histic Haplaquolls	No description available.
Yes	2,678	lithic haplaquolls	Lithic Haplaquolls	No description available.
Yes	2,679	thapto-histic haplaquolls	Thapto-Histic Haplaquolls	No description available.
Yes	2,680	vertic haplaquolls	Vertic Haplaquolls	No description available.
Yes	2,681	lithic vertic argiustolls	Lithic Vertic Argiustolls	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	2,682	lithic ruptic-entic haplustolls	Lithic Ruptic-Entic Haplustolls	No description available.
Yes	2,683	typic acrohumox	Typic Acrohumox	No description available.
Yes	2,684	typic gibbsihumox	Typic Gibbsihumox	No description available.
Yes	2,685	typic acrorthox	Typic Acrorthox	No description available.
Yes	2,686	haplic acrorthox	Haplic Acrorthox	No description available.
Yes	2,687	plinthic acrorthox	Plinthic Acrorthox	No description available.
Yes	2,688	tropeptic eutrorthox	Tropeptic Eutrorthox	No description available.
Yes	2,689	typic gibbsiorthox	Typic Gibbsiorthox	No description available.
Yes	2,690	tropeptic haplorthox	Tropeptic Haplorthox	No description available.
Yes	2,691	tropeptic umbriorthox	Tropeptic Umbriorthox	No description available.
Yes	2,692	tropeptic haplustox	Tropeptic Haplustox	No description available.
Yes	2,693	sideric cryaquods	Sideric Cryaquods	No description available.
Yes	2,694	typic haplaquods	Typic Haplaquods	No description available.
Yes	2,695	aeric haplaquods	Aeric Haplaquods	No description available.
Yes	2,696	alfic arenic haplaquods	Alfic Arenic Haplaquods	No description available.
Yes	2,697	arenic haplaquods	Arenic Haplaquods	No description available.
Yes	2,698	arenic ultic haplaquods	Arenic Ultic Haplaquods	No description available.
Yes	2,699	entic haplaquods	Entic Haplaquods	No description available.
Yes	2,700	grossarenic haplaquods	Grossarenic Haplaquods	No description available.
Yes	2,701	histic haplaquods	Histic Haplaquods	No description available.
Yes	2,702	placic haplaquods	Placic Haplaquods	No description available.
Yes	2,703	ultic haplaquods	Ultic Haplaquods	No description available.
Yes	2,704	typic sideraquods	Typic Sideraquods	No description available.
Yes	2,705	alfic sideraquods	Alfic Sideraquods	No description available.
Yes	2,706	entic sideraquods	Entic Sideraquods	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	2,707	aeric tropaquods	Aeric Tropaquods	No description available.
Yes	2,708	histic tropaquods	Histic Tropaquods	No description available.
Yes	2,709	sideric tropaquods	Sideric Tropaquods	No description available.
Yes	2,710	typic cryohumods	Typic Cryohumods	No description available.
Yes	2,711	haplic cryohumods	Haplic Cryohumods	No description available.
Yes	2,712	arenic haplohumods	Arenic Haplohumods	No description available.
Yes	2,713	arenic ultic haplohumods	Arenic Ultic Haplohumods	No description available.
Yes	2,714	entic haplohumods	Entic Haplohumods	No description available.
Yes	2,715	grossarenic haplohumods	Grossarenic Haplohumods	No description available.
Yes	2,716	grossarenic entic haplohumods	Grossarenic Entic Haplohumods	No description available.
Yes	2,717	ultic haplohumods	Ultic Haplohumods	No description available.
Yes	2,718	typic tropohumods	Typic Tropohumods	No description available.
Yes	2,719	typic cryorthods	Typic Cryorthods	No description available.
Yes	2,720	andic cryorthods	Andic Cryorthods	No description available.
Yes	2,721	boralfic cryorthods	Boralfic Cryorthods	No description available.
Yes	2,722	entic cryorthods	Entic Cryorthods	No description available.
Yes	2,723	humic cryorthods	Humic Cryorthods	No description available.
Yes	2,724	humic lithic cryorthods	Humic Lithic Cryorthods	No description available.
Yes	2,725	lithic cryorthods	Lithic Cryorthods	No description available.
Yes	2,726	duric haplorthods	Duric Haplorthods	No description available.
Yes	2,727	humic haplorthods	Humic Haplorthods	No description available.
Yes	2,728	typic ochraquults	Typic Ochraquults	No description available.
Yes	2,729	aeric ochraquults	Aeric Ochraquults	No description available.
Yes	2,730	arenic ochraquults	Arenic Ochraquults	No description available.
Yes	2,731	oxic plinthaquults	Oxic Plinthaquults	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	2,732	andeptic haplohumults	Andeptic Haplohumults	No description available.
Yes	2,733	andeptic palehumults	Andeptic Palehumults	No description available.
Yes	2,734	orthoxic palehumults	Orthoxic Palehumults	No description available.
Yes	2,735	typic tropohumults	Typic Tropohumults	No description available.
Yes	2,736	humoxic tropohumults	Humoxic Tropohumults	No description available.
Yes	2,737	orthoxic tropohumults	Orthoxic Tropohumults	No description available.
Yes	2,738	ustic tropohumults	Ustic Tropohumults	No description available.
Yes	2,739	ustoxic tropohumults	Ustoxic Tropohumults	No description available.
Yes	2,740	oxic haplustults	Oxic Haplustults	No description available.
Yes	2,741	typic torrerts	Typic Torrerts	No description available.
Yes	2,742	mollic torrerts	Mollic Torrerts	No description available.
Yes	2,743	typic chromuderts	Typic Chromuderts	No description available.
Yes	2,744	aquentic chromuderts	Aquentic Chromuderts	No description available.
Yes	2,745	aquic chromuderts	Aquic Chromuderts	No description available.
Yes	2,746	entic chromuderts	Entic Chromuderts	No description available.
Yes	2,747	typic pelluderts	Typic Pelluderts	No description available.
Yes	2,748	entic pelluderts	Entic Pelluderts	No description available.
Yes	2,749	entic chromusterts	Entic Chromusterts	No description available.
Yes	2,750	paleustollic chromusterts	Paleustollic Chromusterts	No description available.
Yes	2,751	udic chromusterts	Udic Chromusterts	No description available.
Yes	2,752	udorthentic chromusterts	Udorthentic Chromusterts	No description available.
Yes	2,753	typic pellusterts	Typic Pellusterts	No description available.
Yes	2,754	udic pellusterts	Udic Pellusterts	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	2,755	udorthentic pellusterts	Udorthentic Pellusterts	No description available.
Yes	2,756	typic chromoxererts	Typic Chromoxererts	No description available.
Yes	2,757	aquic chromoxererts	Aquic Chromoxererts	No description available.
Yes	2,758	entic chromoxererts	Entic Chromoxererts	No description available.
Yes	2,759	typic pelloxererts	Typic Pelloxererts	No description available.
Yes	2,760	chromic pelloxererts	Chromic Pelloxererts	No description available.
Yes	2,761	entic pelloxererts	Entic Pelloxererts	No description available.
Yes	2,762	typic tropaqualfs	Typic Tropaqualfs	No description available.
Yes	2,763	andaqueptic cryaquents	Andaqueptic Cryaquents	No description available.
Yes	2,764	hapludollic arents	Hapludollic Arents	No description available.
Yes	2,765	udalfic arents	Udalfic Arents	No description available.
Yes	2,766	andeptic cryorthents	Andeptic Cryorthents	No description available.
Yes	2,767	andic dystric eutrochrepts	Andic Dystric Eutrochrepts	No description available.
Yes	2,768	andic ustic humitropepts	Andic Ustic Humitropepts	No description available.
Yes	2,769	andeptic cryoborolls	Andeptic Cryoborolls	No description available.
Yes	2,770	tropeptic eustrtox	Tropeptic Eustrtox	No description available.
Yes	2,771	typic tropudults	Typic Tropudults	No description available.
Yes	2,772	aquic tropudults	Aquic Tropudults	No description available.
Yes	2,773	arenic umbric haplaquods	Arenic Umbric Haplaquods	No description available.
Yes	2,774	lithic cryandepts	Lithic Cryandepts	No description available.
Yes	2,776	lithic ruptic-entic hapludults	Lithic Ruptic-Entic Hapludults	No description available.
Yes	2,777	lithic ruptic-xerochreptic haploxerults	Lithic Ruptic-Xerochreptic Haploxerults	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	2,789	lamellic cryoboralfs	Lamellic Cryoboralfs	No description available.
Yes	2,790	ochreptic cryoboralfs	Ochreptic Cryoboralfs	No description available.
Yes	2,791	aquertic eutroboralfs	Aquertic Eutroboralfs	No description available.
Yes	2,792	arenic oxyaquic eutroboralfs	Arenic Oxyaquic Eutroboralfs	No description available.
Yes	2,793	fragiaquic eutroboralfs	Fragiaquic Eutroboralfs	No description available.
Yes	2,794	fragic eutroboralfs	Fragic Eutroboralfs	No description available.
Yes	2,795	glossic oxyaquic eutroboralfs	Glossic Oxyaquic Eutroboralfs	No description available.
Yes	2,796	lamellic eutroboralfs	Lamellic Eutroboralfs	No description available.
Yes	2,797	lamellic oxyaquic eutroboralfs	Lamellic Oxyaquic Eutroboralfs	No description available.
Yes	2,798	ochreptic eutroboralfs	Ochreptic Eutroboralfs	No description available.
Yes	2,799	oxyaquic psammentic eutroboralfs	Oxyaquic Psammentic Eutroboralfs	No description available.
Yes	2,800	fragiaquic glossoboralfs	Fragiaquic Glossoboralfs	No description available.
Yes	2,801	fragic glossoboralfs	Fragic Glossoboralfs	No description available.
Yes	2,802	lamellic glossoboralfs	Lamellic Glossoboralfs	No description available.
Yes	2,803	ochreptic glossoboralfs	Ochreptic Glossoboralfs	No description available.
Yes	2,808	ochreptic hapludalfs	Ochreptic Hapludalfs	No description available.
Yes	2,816	ochreptic haplustalfs	Ochreptic Haplustalfs	No description available.
Yes	2,829	ochreptic haploxeralfs	Ochreptic Haploxeralfs	No description available.
Yes	2,846	lamellic cryochrepts	Lamellic Cryochrepts	No description available.
Yes	2,847	fragiaquic dystrochrepts	Fragiaquic Dystrochrepts	No description available.
Yes	2,848	fragic dystrochrepts	Fragic Dystrochrepts	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	2,849	fragiaquic eutrochrepts	Fragiaquic Eutrochrepts	No description available.
Yes	2,850	fragic eutrochrepts	Fragic Eutrochrepts	No description available.
Yes	2,851	lamellic eutrochrepts	Lamellic Eutrochrepts	No description available.
Yes	2,852	aridic lithic ustochrepts	Aridic Lithic Ustochrepts	No description available.
Yes	2,853	gypsic ustochrepts	Gypsic Ustochrepts	No description available.
Yes	2,854	lamellic ustochrepts	Lamellic Ustochrepts	No description available.
Yes	2,855	fragiaquic xerochrepts	Fragiaquic Xerochrepts	No description available.
Yes	2,856	fragic xerochrepts	Fragic Xerochrepts	No description available.
Yes	2,857	lamellic xerochrepts	Lamellic Xerochrepts	No description available.
Yes	2,858	boralfic udertic argiborolls	Boralfic Udertic Argiborolls	No description available.
Yes	2,859	pachic udertic argiborolls	Pachic Udertic Argiborolls	No description available.
Yes	2,860	pachic vertic argiborolls	Pachic Vertic Argiborolls	No description available.
Yes	2,861	aquertic haploborolls	Aquertic Haploborolls	No description available.
Yes	2,862	cumulic udertic haploborolls	Cumulic Udertic Haploborolls	No description available.
Yes	2,863	cumulic vertic haploborolls	Cumulic Vertic Haploborolls	No description available.
Yes	2,864	pachic udertic haploborolls	Pachic Udertic Haploborolls	No description available.
Yes	2,865	pachic vertic haploborolls	Pachic Vertic Haploborolls	No description available.
Yes	2,866	leptic vertic natriborolls	Leptic Vertic Natriborolls	No description available.
Yes	2,867	torrertic natriborolls	Torrertic Natriborolls	No description available.
Yes	2,868	udertic natriborolls	Udertic Natriborolls	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	2,870	albic argiudolls	Albic Argiudolls	No description available.
Yes	2,881	aeric plinthic fragiaquults	Aeric Plinthic Fragiaquults	No description available.
Yes	2,893	aquic duric torriorthents	Aquic Duric Torriorthents	No description available.
Yes	2,895	duric xeric torriorthents	Duric Xeric Torriorthents	No description available.
Yes	2,896	duric torripsamments	Duric Torripsamments	No description available.
Yes	2,897	duric xeric torripsamments	Duric Xeric Torripsamments	No description available.
Yes	2,898	lamellic dystrochrepts	Lamellic Dystrochrepts	No description available.
Yes	2,899	udertic argiborolls	Udertic Argiborolls	No description available.
Yes	2,901	udarents	Udarents	No description available.
Yes	2,902	xerarents	Xerarents	No description available.
Yes	3,004	haplic ustarents	Haplic Ustarents	No description available.
Yes	3,005	sodic xerarents	Sodic Xerarents	No description available.
Yes	3,006	duric xerarents	Duric Xerarents	No description available.
Yes	3,007	haplic xerarents	Haplic Xerarents	No description available.
Yes	3,008	haplic udarents	Haplic Udarents	No description available.
Yes	3,149	typic plagganthrepts	Typic Plagganthrepts	No description available.
Yes	3,150	typic haplanthrepts	Typic Haplanthrepts	No description available.
Yes	3,151	humic lithic eutrocryepts	Humic Lithic Eutrocryepts	No description available.
Yes	3,152	lithic eutrocryepts	Lithic Eutrocryepts	No description available.
Yes	3,153	andic eutrocryepts	Andic Eutrocryepts	No description available.
Yes	3,154	vitrandic eutrocryepts	Vitrandic Eutrocryepts	No description available.
Yes	3,155	aquic eutrocryepts	Aquic Eutrocryepts	No description available.
Yes	3,156	oxyaquic eutrocryepts	Oxyaquic Eutrocryepts	No description available.



Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	3,157	lamellic eutrocryepts	Lamellic Eutrocryepts	No description available.
Yes	3,158	xeric eutrocryepts	Xeric Eutrocryepts	No description available.
Yes	3,159	ustic eutrocryepts	Ustic Eutrocryepts	No description available.
Yes	3,160	humic eutrocryepts	Humic Eutrocryepts	No description available.
Yes	3,161	typic eutrocryepts	Typic Eutrocryepts	No description available.
Yes	3,162	humic lithic dystrocryepts	Humic Lithic Dystrocryepts	No description available.
Yes	3,172	humic dystrocryepts	Humic Dystrocryepts	No description available.
Yes	3,313	humic pachic dystrodepts	Humic Pachic Dystrodepts	No description available.
Yes	3,418	plagganthreptic udipsamments	Plagganthreptic Udipsamments	No description available.
Yes	3,440	plagganthreptic fragiaquods	Plagganthreptic Fragiaquods	No description available.
Yes	3,441	plagganthreptic haplohumods	Plagganthreptic Haplohumods	No description available.
Yes	3,442	plagganthreptic alorthods	Plagganthreptic Alorthods	No description available.
Yes	3,443	plagganthreptic fragiorthods	Plagganthreptic Fragiorthods	No description available.
Yes	3,445	aridic eutroboralfs	Aridic Eutroboralfs	No description available.
Yes	3,446	anthropic paleudalfs	Anthropic Paleudalfs	No description available.
Yes	3,447	kandic plinthustalfs	Kandic Plinthustalfs	No description available.
Yes	3,448	lithic ustic calciorthids	Lithic Ustic Calciorthids	No description available.
Yes	3,449	ustic calciorthids	Ustic Calciorthids	No description available.
Yes	3,450	xeralfic paleorthids	Xeralfic Paleorthids	No description available.
Yes	3,451	aridic torriorthents	Aridic Torriorthents	No description available.
Yes	3,452	borollic torriorthents	Borollic Torriorthents	No description available.
Yes	3,453	entic haplaquepts	Entic Haplaquepts	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	3,454	haplaquodic humaquepts	Haplaquodic Humaquepts	No description available.
Yes	3,455	aridic durochrepts	Aridic Durochrepts	No description available.
Yes	3,456	umbric dystropepts	Umbric Dystropepts	No description available.
Yes	3,457	aridic ustropepts	Aridic Ustropepts	No description available.
Yes	3,458	dystric cryumbrepts	Dystric Cryumbrepts	No description available.
Yes	3,459	fluventic haplaquolls	Fluventic Haplaquolls	No description available.
Yes	3,460	aridic duric haplustolls	Aridic Duric Haplustolls	No description available.
Yes	3,461	arenic aridic paleustolls	Arenic Aridic Paleustolls	No description available.
Yes	3,462	petrocalcic ustollic paleustolls	Petrocalcic Ustollic Paleustolls	No description available.
Yes	3,463	abruptic aridic argixerolls	Abruptic Aridic Argixerolls	No description available.
Yes	3,464	aqualfic argixerolls	Aqualfic Argixerolls	No description available.
Yes	3,465	aeric cryaquods	Aeric Cryaquods	No description available.
Yes	3,466	pergelic cryorthods	Pergelic Cryorthods	No description available.
Yes	3,467	aquandic hapludults	Aquandic Hapludults	No description available.
Yes	3,468	epiaquic haplustults	Epiaquic Haplustults	No description available.
Yes	3,473	sodic torriarents	Sodic Torriarents	No description available.
Yes	3,474	duric torriarents	Duric Torriarents	No description available.
Yes	3,475	haplic torriarents	Haplic Torriarents	No description available.
Yes	3,478	alfic andeptic cryorthents	Alfic Andeptic Cryorthents	No description available.
Yes	3,479	aquentic fragiorthods	Aquentic Fragiorthods	No description available.
Yes	3,480	crylic fragiorthods	Crylic Fragiorthods	No description available.
Yes	3,481	aeric tropaqualfs	Aeric Tropaqualfs	No description available.
Yes	3,482	lithic cryohumods	Lithic Cryohumods	No description available.

Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	3,483	humic fragiorthods	Humic Fragiorthods	No description available.
Yes	3,484	oxic tropudalfs	Oxic Tropudalfs	No description available.
Yes	3,485	paralithic vertic haplustolls	Paralithic Vertic Haplustolls	No description available.
Yes	3,486	palexerollic chromoxererts	Palexerollic Chromoxererts	No description available.
Yes	3,487	plinthic haplorthox	Plinthic Haplorthox	No description available.
Yes	3,488	typic torrox	Typic Torrox	No description available.
Yes	3,489	typic haplorthox	Typic Haplorthox	No description available.
Yes	3,490	typic eutroorthox	Typic Eutroorthox	No description available.
Yes	3,491	typic sombrihumox	Typic Sombrihumox	No description available.
Yes	3,492	udalphic argiustolls	Udalphic Argiustolls	No description available.
Yes	3,493	ultic haplustox	Ultic Haplustox	No description available.
Yes	3,494	vertic tropudalfs	Vertic Tropudalfs	No description available.
Yes	3,537	humic dystrogelepts	Humic Dystrogelepts	No description available.
Yes	3,539	lithic eutrogelepts	Lithic Eutrogelepts	No description available.
Yes	3,540	andic eutrogelepts	Andic Eutrogelepts	No description available.
Yes	3,541	aquic eutrogelepts	Aquic Eutrogelepts	No description available.
Yes	3,542	humic eutrogelepts	Humic Eutrogelepts	No description available.
Yes	3,543	typic eutrogelepts	Typic Eutrogelepts	No description available.

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Domain Description: Reference: Soil Taxonomy Second Edition, 1999, Soil Survey Staff.

## NASIS 7.4.2 Domains

Domain Name: taxonomic\_suborder

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	aqualfs	Aqualfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3	udalfs	Udalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	4	ustalfs	Ustalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	5	xeralfs	Xeralfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	6	aquands	Aquands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	7	cryands	Cryands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	8	torrands	Torrands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	9	udands	Udands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	10	ustands	Ustands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	11	vitrandfs	Vitrandfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	12	xerands	Xerands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	13	argids	Argids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	15	aquents	Aquents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	17	fluvents	Fluvents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	18	orthents	Orthents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	19	psamments	Psamments	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	20	hemists	Hemists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	21	fibrists	Fibrists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	22	folists	Folists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	23	saprists	Saprists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	25	aquepts	Aquepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	29	ustults	Ustults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	30	albolls	Albolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	31	aquolls	Aquolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	33	rendolls	Rendolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	34	udolls	Udolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	35	ustolls	Ustolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	36	xerolls	Xerolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	37	aquox	Aquox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	40	perox	Perox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	41	torrox	Torrox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	42	udox	Udox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	43	ustox	Ustox	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	44	aquods	Aquods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	46	humods	Humods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	47	orthods	Orthods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	48	aquults	Aquults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	49	humults	Humults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	50	udults	Udults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	51	xerults	Xerults	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	52	torrerts	Torrerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	53	uderts	Uderts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	54	usterts	Usterts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	55	xererts	Xererts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	56	aquerts	Aquerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	57	cryerts	Cryerts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	58	cryods	Cryods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	60	cryids	Cryids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	61	salids	Salids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	62	durids	Durids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	63	gypsids	Gypsids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	64	calcids	Calcids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	65	cambids	Cambids	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	66	histels	Histels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	67	orthels	Orthels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	68	turbels	Turbels	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	70	cryepts	Cryepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	71	udepts	Udepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	72	ustepts	Ustepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	73	xerepts	Xerepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	74	cryolls	Cryolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	75	cryalfs	Cryalfs	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	76	gelands	Gelands	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	77	gelepts	Gelepts	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	78	gelods	Gelods	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	79	gelolls	Gelolls	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service

Obsolete?	ID	Data Entry Text	Label Text	Description
No	80	wassents	Wassents	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	81	wassists	Wassists	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
Yes	2	boralfs	Boralfs	No description available.
Yes	14	orthids	Orthids	No description available.
Yes	16	arents	Arents	No description available.
Yes	24	andepts	Andepts	No description available.
Yes	26	ochrepts	Ochrepts	No description available.
Yes	27	tropepts	Tropepts	No description available.
Yes	28	umbrepts	Umbrepts	No description available.
Yes	32	borolls	Borolls	No description available.
Yes	38	humox	Humox	No description available.
Yes	39	orthox	Orthox	No description available.
Yes	45	ferrods	Ferrods	No description available.
Yes	59	plaggepts	Plaggepts	No description available.
Yes	69	anthrepts	Anthrepts	No description available.

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Domain Description: Reference: Soil Taxonomy Second Edition, 1999, Soil Survey Staff.



## NASIS 7.4.2 Domains

Domain Name: taxonomic\_temp\_regime

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	cryic	cryic	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	2	frigid	frigid	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	3	hyperthermic	hyperthermic	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	4	isofrigid	isofrigid	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	5	isohyperthermic	isohyperthermic	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	6	isomesic	isomesic	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	7	isothermic	isothermic	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	8	mesic	mesic	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	10	thermic	thermic	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
No	13	gelic	gelic	Reference: Keys to Soil Taxonomy Twelfth Edition, Soil Survey Staff, USDA, Natural Resources Conservation Service
Yes	9	pergelic	pergelic	No description available.
Yes	11	cryic(pdpcode)	Cryic (PDP code)	No description available.
Yes	12	pergelic(pdpcode)	Pergelic (PDP code)	No description available.

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Domain Description: Reference: Soil Taxonomy Second Edition, 1999, Soil Survey Staff.

## NASIS 7.4.2 Domains

Domain Name: terms\_used\_in\_lieu\_of\_texture

Obsolete?	ID	Data Entry Text	Label Text	Description
No	10	peat	Peat	Slightly decomposed organic material of any thickness that is saturated with water for 30 or more cumulative days in normal years (or is artificially drained), including that in Histels and Histosols, except for Folists.
No	12	gr	Gravel	Gravel
No	14	mpt	Mucky peat	Moderately decomposed organic material of any thickness that is saturated with water for 30 or more cumulative days in normal years (or is artificially drained), including that in Histels and Histosols, except for Folists.
No	25	muck	Muck	Highly decomposed organic material of any thickness that is saturated with water for 30 or more cumulative days in normal years (or is artificially drained), including that in Histels and Histosols, except for Folists.
No	29	mat	Material	"Material" is used only in combination with Compositional Texture Modifiers. Such as "Cemented Material" denotes any cemented soil material (i.e. duripan, ortstein, petrocalic, petroferric, petrogypsic). From Field Book for Describing and Sampling Soils, Version 3.0. This description was added for 7.4.1
No	32	w	Water	Used only for layers found below the soil surface; e.g., a floating bog.
No	33	cb	Cobbles	Cobbles
No	34	st	Stones	Stones
No	35	by	Boulders	Boulders
No	36	cn	Channers	Channers
No	37	fl	Flagstones	Flagstones
No	38	pg	Paragravel	Paragravel
No	39	pcb	Paracobbles	Paracobbles
No	40	pst	Parastones	Parastones
No	41	pby	Paraboulders	Paraboulders
No	42	pcn	Parachanners	Parachanners
No	43	pfl	Paraflagstones	Paraflagstones
No	44	spm	Slightly decomposed plant material	Slightly decomposed plant material that is saturated with water for less than 30 cumulative days in normal years (and is not artificially drained).

Obsolete?	ID	Data Entry Text	Label Text	Description
No	45	mpm	Moderately decomposed plant material	Moderately decomposed plant material that is saturated with water for less than 30 cumulative days in normal years (and is not artificially drained).
No	46	hpm	Highly decomposed plant material	Highly decomposed plant material that is saturated with water for less than 30 cumulative days in normal years (and is not artificially drained).
No	47	br	Bedrock	Bedrock
No	56	art	Artifacts	Dominated by human artifacts with too little fine-earth to determine the textural class (less than about 10 percent fine-earth, by volume)
No	57	coarse gypsum material	Coarse gypsum material	Soil material with 40 percent or more, by weight, gypsum in the fine-earth fraction and 50 percent or more of the fine-earth fraction is comprised of particles ranging from 0.1 to 2.0 mm in diameter.
No	58	fine gypsum material	Fine gypsum material	Soil material with 40 percent or more, by weight, gypsum in the fine-earth fraction and less than 50 percent of the fine-earth fraction is comprised of particles ranging from 0.1 to 2.0 mm in diameter.
No	59	shl	Shells	>= 90 percent shells or more, by volume
No	60	ice	Ice	Used for permanent (nonseasonal), massive, subsurface ice; e.g., a glacic layer. From Field Book for Describing and Sampling Soils, Version 3.0.
Yes	1	ashy	Ashy	Ashy
Yes	2	apum	Ashy-pumiceous	Ashy-pumiceous
Yes	3	ask	Ashy-skeletal	Ashy-skeletal
Yes	4	ce	Coprogenous earth	Coprogenous earth
Yes	5	cem	Cemented	Cemented
Yes	6	cind	Cinders	Cindery
Yes	7	cndy	Cindery	Cindery
Yes	8	cpf	Consolidated permafrost (ice rich)	Consolidated permafrost (ice rich)
Yes	9	de	Diatomaceous earth	Diatomaceous earth
Yes	11	frag	Fragmental material	Fragmental material
Yes	13	gyp	Gypsiferous material	Material that contains 15 to < 40 percent by weight gypsum.
Yes	15	hydr	Hydrous	Hydrous
Yes	16	hpum	Hydrous-pumiceous	Hydrous-pumiceous

Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	17	hsk	Hydrous-skeletal	Hydrous-skeletal
Yes	18	ind	Indurated	Indurated
Yes	19	marl	Marl	Marl
Yes	20	medl	Medial	Medial
Yes	21	mpum	Medial-pumiceous	Medial-pumiceous
Yes	22	msh	Medial-skeletal	Medial-skeletal
Yes	23	pum	Pumiceous	Pumiceous
Yes	24	sg	Sand and gravel	Sand and gravel
Yes	26	uwb	Unweathered bedrock	Unweathered bedrock
Yes	27	var	Variable	Variable
Yes	28	wb	Weathered bedrock	Weathered bedrock
Yes	30	pc	Petrocalcic	Petrocalcic
Yes	31	dur	Duripan	Duripan
Yes	48	or	Ortstein	Ortstein
Yes	49	pf	Petroferric	Petroferric
Yes	50	pgp	Petrogypsic	Petrogypsic
Yes	51	pl	Placic	Placic
Yes	52	u	Unknown texture	Unknown texture
Yes	53	udom	Undecomposed organic matter	Undecomposed organic matter
Yes	54	opwd	Oxide protected weathered bedrock	Oxide protected weathered bedrock
Yes	55	pdom	Partially decomposed organic matter	Partially decomposed organic matter.

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Domain Description: Nouns (used only if fragments or artifacts are >90% by volume). Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012

## NASIS 7.4.2 Domains

Domain Name: text\_kind\_general

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	edit notes	Edit Notes	Text entries associated with this kind of text typically describe what changes were made to the data and the reasons for those changes.
No	2	miscellaneous notes	Miscellaneous notes	No description available.

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Domain Description: Used to record a variety of changes made to a NASIS Form, Report, Query, Property, Evaluation, or Rule.

## NASIS 7.4.2 Domains

Domain Name: texture\_class

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	cos	Coarse sand	Reference: Soil Survey Manual, Agricultural Handbook No. 18, Soil Survey Staff, USDA, Natural Resources Conservation Service.
No	2	s	Sand	Reference: Soil Survey Manual, Agricultural Handbook No. 18, Soil Survey Staff, USDA, Natural Resources Conservation Service.
No	3	fs	Fine sand	Reference: Soil Survey Manual, Agricultural Handbook No. 18, Soil Survey Staff, USDA, Natural Resources Conservation Service.
No	4	vfs	Very fine sand	Reference: Soil Survey Manual, Agricultural Handbook No. 18, Soil Survey Staff, USDA, Natural Resources Conservation Service.
No	5	lcos	Loamy coarse sand	Reference: Soil Survey Manual, Agricultural Handbook No. 18, Soil Survey Staff, USDA, Natural Resources Conservation Service.
No	6	ls	Loamy sand	Reference: Soil Survey Manual, Agricultural Handbook No. 18, Soil Survey Staff, USDA, Natural Resources Conservation Service.
No	7	lfs	Loamy fine sand	Reference: Soil Survey Manual, Agricultural Handbook No. 18, Soil Survey Staff, USDA, Natural Resources Conservation Service.
No	8	lvfs	Loamy very fine sand	Reference: Soil Survey Manual, Agricultural Handbook No. 18, Soil Survey Staff, USDA, Natural Resources Conservation Service.
No	9	cosl	Coarse sandy loam	Reference: Soil Survey Manual, Agricultural Handbook No. 18, Soil Survey Staff, USDA, Natural Resources Conservation Service.
No	10	sl	Sandy loam	Reference: Soil Survey Manual, Agricultural Handbook No. 18, Soil Survey Staff, USDA, Natural Resources Conservation Service.
No	11	fsl	Fine sandy loam	Reference: Soil Survey Manual, Agricultural Handbook No. 18, Soil Survey Staff, USDA, Natural Resources Conservation Service.
No	12	vfsl	Very fine sandy loam	Reference: Soil Survey Manual, Agricultural Handbook No. 18, Soil Survey Staff, USDA, Natural Resources Conservation Service.
No	13	l	Loam	Reference: Soil Survey Manual, Agricultural Handbook No. 18, Soil Survey Staff, USDA, Natural Resources Conservation Service.
No	14	sil	Silt loam	Reference: Soil Survey Manual, Agricultural Handbook No. 18, Soil Survey Staff, USDA, Natural Resources Conservation Service.
No	15	si	Silt	Reference: Soil Survey Manual, Agricultural Handbook No. 18, Soil Survey Staff, USDA, Natural Resources Conservation Service.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	16	scl	Sandy clay loam	Reference: Soil Survey Manual, Agricultural Handbook No. 18, Soil Survey Staff, USDA, Natural Resources Conservation Service.
No	17	cl	Clay loam	Reference: Soil Survey Manual, Agricultural Handbook No. 18, Soil Survey Staff, USDA, Natural Resources Conservation Service.
No	18	sicl	Silty clay loam	Reference: Soil Survey Manual, Agricultural Handbook No. 18, Soil Survey Staff, USDA, Natural Resources Conservation Service.
No	19	sc	Sandy clay	Reference: Soil Survey Manual, Agricultural Handbook No. 18, Soil Survey Staff, USDA, Natural Resources Conservation Service.
No	20	sic	Silty clay	Reference: Soil Survey Manual, Agricultural Handbook No. 18, Soil Survey Staff, USDA, Natural Resources Conservation Service.
No	21	c	Clay	Reference: Soil Survey Manual, Agricultural Handbook No. 18, Soil Survey Staff, USDA, Natural Resources Conservation Service.

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Domain Description: The numerical proportion (weight percentage) of the sand, silt, and clay separates in the fine-earth fraction (less than or equal to 2 mm). Soil texture is field estimated by hand or lab measured by hydrometer or pipette and placed within the textural triangle to obtain Texture Class. Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012

## NASIS 7.4.2 Domains

Domain Name: texture\_modifier

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	by	Bouldery	Bouldery
No	2	byv	Very bouldery	Very bouldery
No	3	byx	Extremely bouldery	Extremely bouldery
No	4	cb	Cobbly	Cobbly
No	5	cbv	Very cobbly	Very cobbly
No	6	cbx	Extremely cobbly	Extremely cobbly
No	7	cn	Channery	Channery
No	8	cnv	Very channery	Very channery
No	9	cnx	Extremely channery	Extremely channery
No	10	fl	Flaggy	Flaggy
No	11	flv	Very flaggy	Very flaggy
No	12	flx	Extremely flaggy	Extremely flaggy
No	13	gr	Gravelly	Gravelly
No	14	grc	Coarse gravelly	Coarse gravelly
No	15	grf	Fine gravelly	Fine gravelly
No	16	grm	Medium gravelly	Medium gravelly
No	17	grv	Very gravelly	Very gravelly
No	18	grx	Extremely gravelly	Extremely gravelly
No	19	mk	Mucky	Mucky is used to modify near surface horizons of mineral soils that are saturated with water for 30 or more cumulative days in normal years (or are artificially drained). An example is mucky loam. Excluding live roots, the horizon has organic carbon content (by weight) of 5 to < 12 percent if the mineral fraction contains no clay; or 12 to < 18 percent if the mineral fraction contains 60 percent or more clay; or (5 + (clay percentage multiplied by 0.12)) to < (12 + (clay percentage multiplied by 0.10)) if the mineral fraction contains less than 60 percent clay. The organic material is highly decomposed.
No	20	pf	Permanently frozen	Permanently frozen
No	22	st	Stony	Stony



Obsolete?	ID	Data Entry Text	Label Text	Description
No	23	stv	Very stony	Very stony
No	24	stx	Extremely stony	Extremely stony
No	25	pt	Peaty	Peaty is used to modify near surface horizons of mineral soils that are saturated with water for 30 or more cumulative days in normal years (or are artificially drained). An example is peaty loam. Excluding live roots, the horizon has organic carbon content (by weight) of: 5 to < 12 percent if the mineral fraction contains no clay; or 12 to < 18 percent if the mineral fraction contains 60 percent or more clay; or (5 + (clay percentage multiplied by 0.12)) to < (12 + (clay percentage multiplied by 0.10)) if the mineral fraction contains less than 60 percent clay. The organic material is slightly decomposed.
No	26	ashy	Ashy	Ashy
No	27	hydr	Hydrous	Hydrous
No	28	medl	Medial	Medial
No	29	pby	Parabouldery	Parabouldery
No	30	pbyv	Very parabouldery	Very parabouldery
No	31	pbyx	Extremely parabouldery	Extremely parabouldery
No	32	pcb	Paracobbly	Paracobbly
No	33	pcbv	Very paracobbly	Very paracobbly
No	34	pcbx	Extremely paracobbly	Extremely paracobbly
No	35	pcn	Parachannery	Parachannery
No	36	pcnv	Very parachannery	Very parachannery
No	37	pcnx	Extremely parachannery	Extremely parachannery
No	38	pfl	Paraflaggy	Paraflaggy
No	39	pflv	Very paraflaggy	Very paraflaggy
No	40	pflx	Extremely paraflaggy	Extremely paraflaggy
No	41	pgr	Paragravelly	Paragravelly
No	42	pgrv	Very paragravelly	Very paragravelly
No	43	pgrx	Extremely paragravelly	Extremely paragravelly

Obsolete?	ID	Data Entry Text	Label Text	Description
No	44	pst	Parastony	Parastony
No	45	pstv	Very parastony	Very parastony
No	46	pstx	Extremely parastony	Extremely parastony
No	47	wd	Woody	Woody
No	48	hb	Herbaceous	Herbaceous
No	49	ms	Mossy	Mossy
No	50	gs	Grassy	Grassy
No	51	cop	Coprogenous	Coprogenous
No	52	dia	Diatomaceous	Diatomaceous
No	53	gyp	Gypsiferous	material that contains 15 to < 40 percent by weight gypsum.
No	54	mr	Marly	Marly
No	57	cem	Cemented	The material being modified is cemented by one or more cementing agents such that it does not slake in water.
No	71	art	Artifactual	15 to 35 percent human artifacts, by volume
No	72	artv	Very artifactual	35 to 60 percent human artifacts, by volume
No	73	artx	Extremely artifactual	60 to 90 percent human artifacts, by volume
No	74	ho	Highly organic	Highly organic is used to modify near surface horizons of mineral soils that are saturated with water for less than 30 cumulative days in normal years (and are not artificially drained). Excluding live roots, the horizon has organic carbon content (by weight) of: 5 to < 20 percent if the mineral fraction contains no clay; or 12 to < 20 percent if the mineral fraction contains 60 percent or more clay; or ((5 + (clay percentage multiplied by 0.12)) to < 20 percent if the mineral fraction contains less than 60 percent clay. The organic material is at least partially decomposed.
No	75	grart	Gravelly-artifactual	Horizon contains a combination of rock fragments and artifacts which are discrete (=> 2mm), cohesive, and persistent. The total of rock fragments plus artifacts is 15 to less than 35 percent, by volume. Gravel and gravel-size artifacts dominate fraction => 2 mm.
No	76	grvart	Very gravelly-artifactual	Horizon contains a combination of rock fragments and artifacts which are discrete (=> 2mm), cohesive, and persistent. The total of rock fragments plus artifacts is 35 to less than 60 percent, by volume. Gravel and gravel-size artifacts dominate fraction => 2 mm.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	77	grxart	Extremely gravelly-artifactual	Horizon contains a combination of rock fragments and artifacts which are discrete (=> 2mm), cohesive, and persistent. The total of rock fragments plus artifacts is 60 to less than 90 percent, by volume. Gravel and gravel-size artifacts dominate fraction => 2 mm.
No	78	cbart	Cobbly-artifactual	Horizon contains a combination of rock fragments and artifacts which are discrete (=> 2mm), cohesive, and persistent. The total of rock fragments plus artifacts is 15 to less than 35 percent, by volume. Cobbles and cobble-size artifacts dominate fraction => 2 mm.
No	79	cbvart	Very cobbly-artifactual	Horizon contains a combination of rock fragments and artifacts which are discrete (=> 2mm), cohesive, and persistent. The total of rock fragments plus artifacts is 35 to less than 60 percent, by volume. Cobbles and cobble-size artifacts dominate fraction => 2 mm.
No	80	cbxart	Extremely cobbly-artifactual	Horizon contains a combination of rock fragments and artifacts which are discrete (=> 2mm), cohesive, and persistent. The total of rock fragments plus artifacts is 60 to less than 90 percent, by volume. Cobbles and cobble-size artifacts dominate fraction => 2 mm.
No	81	cnart	Channery-artifactual	Horizon contains a combination of rock fragments and artifacts which are discrete (=> 2mm), cohesive, and persistent. The total of rock fragments plus artifacts is 15 to less than 35 percent, by volume. Channers and channer-size artifacts dominate fraction => 2 mm.
No	82	cnvart	Very channery-artifactual	Horizon contains a combination of rock fragments and artifacts which are discrete (=> 2mm), cohesive, and persistent. The total of rock fragments plus artifacts is 35 to less than 60 percent, by volume. Channers and channer-size artifacts dominate fraction => 2 mm.
No	83	cnxart	Extremely channery-artifactual	Horizon contains a combination of rock fragments and artifacts which are discrete (=> 2mm), cohesive, and persistent. The total of rock fragments plus artifacts is 60 to less than 90 percent, by volume. Channers and channer-size artifacts dominate fraction => 2 mm.
No	84	flart	Flaggy-artifactual	Horizon contains a combination of rock fragments and artifacts which are discrete (=> 2mm), cohesive, and persistent. The total of rock fragments plus artifacts is 15 to less than 35 percent, by volume. Flagstones and flagstone-size artifacts dominate fraction => 2 mm.
No	85	flvart	Very flaggy-artifactual	Horizon contains a combination of rock fragments and artifacts which are discrete (=> 2mm), cohesive, and persistent. The total of rock fragments plus artifacts is 35 to less than 60 percent, by volume. Flagstones and flagstone-size artifacts dominate fraction => 2 mm.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	86	flxart	Extremely flaggy-artifactual	Horizon contains a combination of rock fragments and artifacts which are discrete (=> 2mm), cohesive, and persistent. The total of rock fragments plus artifacts is 60 to less than 90 percent, by volume. Flagstones and flagstone-size artifacts dominate fraction => 2 mm.
No	87	start	Stony-artifactual	Horizon contains a combination of rock fragments and artifacts which are discrete (=> 2mm), cohesive, and persistent. The total of rock fragments plus artifacts is 15 to less than 35 percent, by volume. Stones and stone-size artifacts dominate fraction => 2 mm.
No	88	stwart	Very stony-artifactual	Horizon contains a combination of rock fragments and artifacts which are discrete (=> 2mm), cohesive, and persistent. The total of rock fragments plus artifacts is 35 to less than 60 percent, by volume. Stones and stone-size artifacts dominate fraction => 2 mm.
No	89	stxart	Extremely stony-artifactual	Horizon contains a combination of rock fragments and artifacts which are discrete (=> 2mm), cohesive, and persistent. The total of rock fragments plus artifacts is 60 to less than 90 percent, by volume. Stones and stone-size artifacts dominate fraction => 2 mm.
No	90	byart	Bouldery-artifactual	Horizon contains a combination of rock fragments and artifacts which are discrete (=> 2mm), cohesive, and persistent. The total of rock fragments plus artifacts is 15 to less than 35 percent, by volume. Boulders and boulder-size artifacts dominate fraction => 2 mm.
No	91	byvart	Very bouldery-artifactual	Horizon contains a combination of rock fragments and artifacts which are discrete (=> 2mm), cohesive, and persistent. The total of rock fragments plus artifacts is 35 to less than 60 percent, by volume. Boulders and boulder-size artifacts dominate fraction => 2 mm.
No	92	byxart	Extremely bouldery-artifactual	Horizon contains a combination of rock fragments and artifacts which are discrete (=> 2mm), cohesive, and persistent. The total of rock fragments plus artifacts is 60 to less than 90 percent, by volume. Boulders and boulder-size artifacts dominate fraction => 2 mm.
No	94	shf	Shelly	15 to <35 percent shells, by volume.
No	95	shfv	Very shelly	35 to <60 percent shells, by volume
No	96	shfx	Extremely shelly	60 to <90% shells, by volume.
No	97	shfart	Shelly-artifactual	Horizon contains a combination of shell fragments and artifacts which are discrete (=> 2mm), cohesive, and persistent. The total of shell fragments plus artifacts is 15 to less than 35 percent, by volume. Shells and shell-size artifacts dominate fraction => 2 mm.
No	98	shfvart	Very shelly-artifactual	Horizon contains a combination of shell fragments and artifacts which are discrete (=> 2mm), cohesive, and persistent. The total of shell fragments plus artifacts is 35 to less than 60 percent, by volume. Shells and shell-size artifacts dominate fraction => 2 mm.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	99	shfxart	Extremely shelly-artifactual	Horizon contains a combination of shell fragments and artifacts which are discrete (=> 2mm), cohesive, and persistent. The total of shell fragments plus artifacts is 60 to less than 90 percent, by volume. Shells and shell-size artifacts dominate fraction => 2 mm.
Yes	21	sr	Stratified	Stratified
Yes	55	cba	Angular cobbly	Angular cobbly
Yes	56	mky	Mucky*	No description available.
Yes	58	cr	Cherty	No description available.
Yes	59	crv	Very cherty	No description available.
Yes	60	crx	Extremely cherty	No description available.
Yes	61	cy	Cindery	No description available.
Yes	62	gy	Gritty	No description available.
Yes	63	he	Hemic	No description available.
Yes	64	ind	Indurated	No description available.
Yes	65	sh	Shaly	No description available.
Yes	66	shv	Very shaly	No description available.
Yes	67	shx	Extremely shaly	No description available.
Yes	68	sy	slaty	No description available.
Yes	69	syv	Very slaty	No description available.
Yes	70	syx	Extremely slaty	No description available.
Yes	93	cyv	Very cindery	No description available.

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Domain Description: Adjectives that describe the quantity and size of coarse fragments in the soil. Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012

## NASIS 7.4.2 Domains

Domain Name: texture\_structure\_category

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	0.01	0.01	Compacted, structureless, clayey or silty materials such as landfill caps and liners, lacustrine or marine sediments.
No	2	0.04	0.04	Soils that are both fine textured (clayey or silty) and unstructured; may also include some fine sands.
No	3	0.12	0.12	Most structured soils from clays through loams; also includes unstructured medium and fine sands. The category most frequently applicable for agricultural soils.
No	4	0.36	0.36	Coarse and gravelly sands; may also include highly structured or aggregated soils, as well as soils with large and/or numerous cracks or macropores.

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Domain Description: It is the soil macroscopic capillary length parameter (1/cm) that is used in the equation to calculate a field Ksat from the quasi-steady infiltration rate obtained using the single or double ring method. The parameter and the calculation of a field saturated hydraulic conductivity is from Reynolds (2002). Reference: Reynolds, W.D., D.E. Elrick, and E.G. Youngs. 2002a. Ring or cylinder infiltrometers (vadose zone). p.818-820. In J.H. Dane and G.C. Topp (eds) Methods of Soil Analysis: Part 4 physical methods. SSSA No. 5. Soil Science Society of America, Inc. Madison, WI.

## NASIS 7.4.2 Domains

Domain Name: tidal\_period

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	incoming	Incoming	No description available.
No	2	high	High	No description available.
No	3	outgoing	Outgoing	No description available.
No	4	low	Low	No description available.
No	5	none	None	Site is not affected by tides (e.g. freshwater areas).

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Domain Description: Record the tidal period (incoming, high, outgoing, low, none) at the time of sample extraction. (NOTE: Most freshwater lakes do not exhibit appreciable tidal fluctuations.) Reference: Field Book for Describing and Sampling Soils v 3.0, Sep 2012

## NASIS 7.4.2 Domains

Domain Name: tillage\_system\_dom

Obsolete?	ID	Data Entry Text	Label Text	Description
No	10	continuous notill	Continuous Notill	no tillage for the duration of the rotation
No	11	conservation tillage	Conservation Tillage	including ridge till, strip till, and mulch till
No	12	conventional tillage	Conventional Tillage	no tillage for the duration of the rotation

---

Domain Description: No description available.



## NASIS 7.4.2 Domains

Domain Name: tillage\_system\_most\_common

Obsolete?	ID	Data Entry Text	Label Text	Description
No	11	pre plant tillage deeper than 4 inches	Pre-Plant Tillage Deeper Than 4 Inches	a system with deep pre-plant tillage
No	12	post harvest deeper than 4 inches	Post-Harvest Deeper Than 4 Inches	a system that does not include deep pre-plant tillage but does include deep post-harvest tillage
No	13	both pre plant and post harvest tillage	Both Pre-Plant And Post-Harvest Tillage	No description available.
No	14	ridge, mulch, or other conservation tillage	Ridge, Mulch, Or Other Conservation Tillage	No description available.
No	15	no tillage	No Tillage	No description available.
No	16	unknown	Unknown	No description available.

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Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: toughness\_class

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	high	High	Can reduce the soil specimen diameter at or near the plastic limit to 3mm by exertion of >20 newtons force.
No	2	low	Low	Can reduce the soil specimen diameter at or near the plastic limit to 3mm by exertion of <8 newtons force.
No	3	medium	Medium	Can reduce the soil specimen diameter at or near the plastic limit to 3mm by exertion of 8 to 20 newtons force.

---

Domain Description: Toughness is related to plasticity. Table 3-17 contains a set of classes. The classes are based on the relative force necessary to form with the fingers a roll 3 mm in diameter of < 2 mm soil material at a water content near the plastic limit (test D 2488 in ASTM, 1984). Reference: Soil Survey Manual.

## NASIS 7.4.2 Domains

Domain Name: transect\_cert\_status

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	certified	Certified	The transect has been reviewed and found to be suitable for analysis and correlaton.
No	2	not certified	Not certified	The transect has been reviewed and it was found that the transect should not be used for analysis or correlation.

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Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: transect\_kind

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	random point	Random point transect	No description available.
No	2	regular interval	Regular interval transect	No description available.

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Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: transect\_protocol

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	belt transect	Belt transect	Used to detect changes in species with low cover or density. Reference: Monitoring Manual, Vol I, pg 30-33.
No	2	canopy cover class	Canopy cover class	Used for cover, frequency, and composition. References: Sampling Vegetation Attributes, Ch V-D, pg 55-63; National Vegetation Classification Standard, Version 2, pg. 24-26.
No	3	comparative yield	Comparative yield	Used for production and composition. Reference: Sampling Vegetation Attributes, Ch V-L, pg 116-122.
No	4	density method	Density method	Used for precise estimates of species richness. References: Monitoring Manual, Vol II, Ch 10, pg 57-60; Sampling Vegetation Attributes, Ch V-I, pg 94-101.
No	5	double weight sampling	Double weight sampling	Used for composition and production. Used for herbivore carrying capacity estimates and ecosystem energy flow. References: Sampling Vegetation Attributes, Ch V-J, V-K, pg 102-115.
No	6	dry weight rank	Dry weight rank	Used for composition, frequency, and production. Reference: Sampling Vegetation Attributes, Ch V-C, pg 50-54.
No	7	frequency	Frequency	Used for frequency and cover. Reference: Sampling Vegetation Attributes, Ch V-B, pg 37-49.
No	8	gap intercept	Gap intercept	Used for wind erosion and exotic plant invasion risk, and for soil water erosion risk and water infiltration. References: Monitoring Manual, Vol I, pg 16-22; NRI Rangeland Training Videos; Sampling Vegetation Attributes, Ch V-E, pg 64-69.
No	9	harvest method	Harvest method	Used for composition and production. Used for herbivore carrying capacity estimates and ecosystem energy flow. References: Sampling Vegetation Attributes, Ch V-J, V-K, pg 102-115.
No	10	line intercept	Line intercept	Used for cover and composition (by cover). Reference: Sampling Vegetation Attributes, Ch V-E, pg 64-69.
No	11	line point intercept	Line point intercept	Used for soil erosion risk, water infiltration, and changes in species composition or cover. References: Monitoring Manual, Vol I, pg 9-15. Monitoring Manual, Vol II, Ch 15, pg 79-82; NRI Rangeland Training Videos.
No	12	nested frequency	Nested frequency	Used for frequency and cover. Reference: Sampling Vegetation Attributes, Ch V-B, pg 37-49.
No	13	ocular estimate	Ocular estimate	Used only in low intensity inventories.
No	14	sociability class	Sociability class	Used to define horizontal structure or dispersion of a species within a plot. Reference: Mueller-Dombois and Ellenberg 1974, Aims and Methods of Vegetation Ecology.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	15	standing biomass	Standing biomass	No description available.
No	16	step gap	Step gap	Used for wind erosion and exotic plant invasion risk, and for soil water erosion risk and water infiltration. Reference: Monitoring Manual, Vol I, pg 17.
No	17	step point	Step point	Used for cover and composition. Reference: Sampling Vegetation Attributes, Ch V-F, pg 70-77.
No	18	weight unit estimate	Weight unit estimate	Used for herbivore carrying capacity estimates and ecosystem energy flow. Reference: National Range and Pasture Handbook, Ch 4, 600-0401[c](1).
No	19	dry weight rank/comparative yield	Dry weight rank/comparative yield	A combination of Dry Weight Rank and Comparative Yield protocols.
No	20	releve method	Releve method	Used to determine canopy cover, vertical and horizontal structure. References: Barbour et.al 1987, Terrestrial Plant Ecology, Second Edition, Chapter 9; California Native Plant Society 2007, Relev protocol; Minnesota Department of Natural Resources 2007, A handbook for collecting vegetation plot data in Minnesota: The relev method.
No	21	plant species richness	Plant Species Richness	No description available.
No	22	daubenmire method	Daubenmire method	No description available.
No	23	point intercept	Point intercept	No description available.
No	24	tree density	Tree density	No description available.
No	25	stem count	Stem Count	No description available.
No	26	continuous line intercept	Continuous Line Intercept	No description available.

---

Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: transect\_selection

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	random	Randomly selected	No description available.
No	2	biased	Selected based on some bias	No description available.

---

Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: transect\_text\_kind

Obsolete?	ID	Data Entry Text	Label Text	Description
No	3	miscellaneous notes	Miscellaneous notes	No description available.
No	5	transect, formatted	Transect, formatted	No description available.
No	6	transect, unformatted	Transect, unformatted	No description available.
No	7	transect methodology	Transect methodology	No description available.
No	8	windows pedon import issue	Windows Pedon import issue	No description available.
No	9	quality assurance	Quality assurance	A text note related to Quality Assurance.
No	10	quality control	Quality control	A text note related to Quality Control.
Yes	1	site association, formatted	Site association, formatted	A formatted note written at the time of describing a site, pedon. or horizon. This note may be included into the pedon description report.
Yes	2	site association, unformatted	Site association, unformatted	A free-form note written at the time of describing a site, pedon. or horizon.
Yes	4	correlation notes	Correlation notes	No description available.

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Domain Description: The kind of text note used to record additional information about the transect.



## NASIS 7.4.2 Domains

Domain Name: tree\_condition

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	good	Good	No description available.
No	2	fair	Fair	No description available.
No	3	poor	Poor	No description available.

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Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: tss\_outcomes

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	more science based land use decision	More science based land use decision	No description available.
No	2	influenced or created nracs technical materials	Influenced or created NRCS technical materials	No description available.
No	3	influenced nracs policy	Influenced NRCS policy	No description available.
No	4	influenced external entity's decisions or policy	Influenced external entity's decisions or policy	No description available.
No	5	elevated people's knowledge of soils	Elevated people's knowledge of soils	No description available.

---

Domain Description: This field is used to capture the outcome of the specific technical service activity as a member of a broad category of general outcomes. Statements on this choice list are deliberately broad. The field should be populated with the statement that best fits the predominate outcome of the activity. The Technical Soil Service Impact text field should be used to add additional details. The field is not currently (2016) used for national reporting purposes, but could be used either locally or nationally in the future.

## NASIS 7.4.2 Domains

Domain Name: tss\_recipient

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	nrcs area or field office	NRCS area or field office	No description available.
No	2	nrcs statewide	NRCS statewide	No description available.
No	3	nrcs region	NRCS region	No description available.
No	4	nrcs national	NRCS national	No description available.
No	5	conservation district	Conservation district	No description available.
No	6	other federal agency	Other Federal agency	No description available.
No	7	state agency	State agency	No description available.
No	8	county, city or local agency	County, city or local agency	No description available.
No	9	schools or educators	Schools or educators	No description available.
No	10	other farm individuals, groups, or organizations	Other farm individuals, groups, or organizations	No description available.
No	11	private consultants	Private consultants	No description available.
No	12	other non-farm group or organization	Other non-farm group or organization	No description available.
No	13	district cooperator or program recipient	District cooperator or program recipient	No description available.
No	14	native american tribes	Native American Tribes	No description available.
No	16	researcher	Researcher	Individual or group affiliated with university, public, or private institution requesting soils data, information, or technical assistance to apply towards research efforts.
No	17	private individual	Private Individual	Non-farm person requesting soils data, information, or technical assistance for personal use or application
Yes	15	underserved groups	Underserved groups	No description available.

Domain Description: This field is used to capture the recipient of the specific technical soil service as a member of a broad category of potential customers. The field should be populated with the most appropriate (best match) category for the technical soil service activity being reported. If multiple categories of recipients were involved, elect the category that represents the majority of recipients. The Technical Soil Service Impact text field should be used to add additional details. The field is not currently (2016) used for national reporting purposes, but could be used either locally or nationally in the future.

## NASIS 7.4.2 Domains

Domain Name: tss\_text\_kind

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	edit notes	Edit Notes	Note(s) explaining edits made to existing data.
No	2	miscellaneous notes	Miscellaneous notes	Note(s) not related to any other choices.

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Domain Description: The kind of text note used to record additional information about the specific technical soil service performed.

## NASIS 7.4.2 Domains

Domain Name: type\_of\_burn

Obsolete?	ID	Data Entry Text	Label Text	Description
No	11	prescribed	Prescribed	intentionally burned as part of a management or conservation plan
No	12	wildfire	Wildfire	not intentionally set

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Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: unified\_soil\_classification

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	cl-ml	CL-ML	Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).
No	2	gc-gm	GC-GM	Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).
No	3	gp-gc	GP-GC	Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).
No	4	gp-gm	GP-GM	Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).
No	5	sc-sm	SC-SM	Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).
No	6	sp-sc	SP-SC	Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).
No	7	sp-sm	SP-SM	Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).
No	8	sw-sc	SW-SC	Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).
No	9	sw-sm	SW-SM	Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).

Obsolete?	ID	Data Entry Text	Label Text	Description
No	10	gw-gm	GW-GM	Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).
No	11	gw-gc	GW-GC	Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).
No	12	ch	CH	FINE-GRAINED SOILS, Silts and clays (liquid limit is 50% or more), Fat Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).
No	13	cl	CL	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).
No	14	gc	GC	COARSE-GRAINED SOILS, Gravels, gravel with fines, Clayey Gravel. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).
No	15	gm	GM	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).
No	16	gp	GP	COARSE-GRAINED SOILS, Gravels, clean gravels, Poorly Graded Gravel. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).
No	17	gw	GW	COARSE-GRAINED SOILS, Gravels, clean gravels, Well-Graded Gravel. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).

Obsolete?	ID	Data Entry Text	Label Text	Description
No	18	mh	MH	FINE-GRAINED SOILS, Silts and clays, (liquid limit is 50% or more), Elastic Silt. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).
No	19	ml	ML	FINE-GRAINED SOILS, Silts and clays, (liquid limit is less than 50%), Silt. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).
No	20	oh	OH	FINE-GRAINED SOILS, Silts and clays, (liquid limit is 50% or more), Organic Clay or Organic Silt. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).
No	21	ol	OL	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Organic Clay or Organic Silt. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).
No	22	pt	PT	Highly organic soils, Peat. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).
No	23	sc	SC	COARSE-GRAINED SOILS, Sands, sands with fines, Clayey Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).
No	24	sm	SM	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).
No	25	sp	SP	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly Graded Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).



Obsolete?	ID	Data Entry Text	Label Text	Description
No	26	sw	SW	COARSE-GRAINED SOILS, Sands, Clean Sands, Well-graded Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).
Yes	27	cl-a	CL-A (proposed)	Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984). This subclass is based on research by H. H. Sato and proposed in: Sato, H. H. 1971. Interpretation of Index Properties of the Unified Classification System for Hawaiian Soils. Unpublished Master of Science thesis. University of Hawaii. As proposed, this subclass is only to be used in the islands of the state of Hawaii and islands included in the Pacific Island Area. As of 10 Jun 2016 this subclass is under review.
Yes	28	cl-k	CL-K (proposed)	Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984). This subclass is based on research by H. H. Sato and proposed in: Sato, H. H. 1971. Interpretation of Index Properties of the Unified Classification System for Hawaiian Soils. Unpublished Master of Science thesis. University of Hawaii. As proposed, this subclass is only to be used in the islands of the state of Hawaii and islands included in the Pacific Island Area. As of 10 Jun 2016 this subclass is under review.
Yes	29	cl-o	CL-O (proposed)	Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984). This subclass is based on research by H. H. Sato and proposed in: Sato, H. H. 1971. Interpretation of Index Properties of the Unified Classification System for Hawaiian Soils. Unpublished Master of Science thesis. University of Hawaii. As proposed, this subclass is only to be used in the islands of the state of Hawaii and islands included in the Pacific Island Area. As of 10 Jun 2016 this subclass is under review.
Yes	30	cl-t	CL-T (proposed)	Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984). This subclass is based on research by H. H. Sato and proposed in: Sato, H. H. 1971. Interpretation of Index Properties of the Unified Classification System for Hawaiian Soils. Unpublished Master of Science thesis. University of Hawaii. As proposed, this subclass is only to be used in the islands of the state of Hawaii and islands included in the Pacific Island Area. As of 10 Jun 2016 this subclass is under review.

Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	31	mh-a	MH-A (proposed)	Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984). This subclass is based on research by H. H. Sato and proposed in: Sato, H. H. 1971. Interpretation of Index Properties of the Unified Classification System for Hawaiian Soils. Unpublished Master of Science thesis. University of Hawaii. As proposed, this subclass is only to be used in the islands of the state of Hawaii and islands included in the Pacific Island Area. As of 10 Jun 2016 this subclass is under review.
Yes	32	mh-k	MH-K (proposed)	Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984). This subclass is based on research by H. H. Sato and proposed in: Sato, H. H. 1971. Interpretation of Index Properties of the Unified Classification System for Hawaiian Soils. Unpublished Master of Science thesis. University of Hawaii. As proposed, this subclass is only to be used in the islands of the state of Hawaii and islands included in the Pacific Island Area. As of 10 Jun 2016 this subclass is under review.
Yes	33	mh-o	MH-O (proposed)	Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984). This subclass is based on research by H. H. Sato and proposed in: Sato, H. H. 1971. Interpretation of Index Properties of the Unified Classification System for Hawaiian Soils. Unpublished Master of Science thesis. University of Hawaii. As proposed, this subclass is only to be used in the islands of the state of Hawaii and islands included in the Pacific Island Area. As of 10 Jun 2016 this subclass is under review.
Yes	34	mh-t	MH-T (proposed)	Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984). This subclass is based on research by H. H. Sato and proposed in: Sato, H. H. 1971. Interpretation of Index Properties of the Unified Classification System for Hawaiian Soils. Unpublished Master of Science thesis. University of Hawaii. As proposed, this subclass is only to be used in the islands of the state of Hawaii and islands included in the Pacific Island Area. As of 10 Jun 2016 this subclass is under review.

Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	35	ml-a	ML-A (proposed)	Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984). This subclass is based on research by H. H. Sato and proposed in: Sato, H. H. 1971. Interpretation of Index Properties of the Unified Classification System for Hawaiian Soils. Unpublished Master of Science thesis. University of Hawaii. As proposed, this subclass is only to be used in the islands of the state of Hawaii and islands included in the Pacific Island Area. As of 10 Jun 2016 this subclass is under review.
Yes	36	ml-k	ML-K (proposed)	Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984). This subclass is based on research by H. H. Sato and proposed in: Sato, H. H. 1971. Interpretation of Index Properties of the Unified Classification System for Hawaiian Soils. Unpublished Master of Science thesis. University of Hawaii. As proposed, this subclass is only to be used in the islands of the state of Hawaii and islands included in the Pacific Island Area. As of 10 Jun 2016 this subclass is under review.
Yes	37	ml-o	ML-O (proposed)	Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984). This subclass is based on research by H. H. Sato and proposed in: Sato, H. H. 1971. Interpretation of Index Properties of the Unified Classification System for Hawaiian Soils. Unpublished Master of Science thesis. University of Hawaii. As proposed, this subclass is only to be used in the islands of the state of Hawaii and islands included in the Pacific Island Area. As of 10 Jun 2016 this subclass is under review.
Yes	38	ml-t	ML-T (proposed)	Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984). This subclass is based on research by H. H. Sato and proposed in: Sato, H. H. 1971. Interpretation of Index Properties of the Unified Classification System for Hawaiian Soils. Unpublished Master of Science thesis. University of Hawaii. As proposed, this subclass is only to be used in the islands of the state of Hawaii and islands included in the Pacific Island Area. As of 10 Jun 2016 this subclass is under review.

Obsolete?	ID	Data Entry Text	Label Text	Description
Yes	39	oh-t	OH-T (proposed)	<p>Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the &lt;75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984). This subclass is based on research by H. H. Sato and proposed in: Sato, H. H. 1971. Interpretation of Index Properties of the Unified Classification System for Hawaiian Soils. Unpublished Master of Science thesis. University of Hawaii. As proposed, this subclass is only to be used in the islands of the state of Hawaii and islands included in the Pacific Island Area. As of 10 Jun 2016 this subclass is under review.</p>

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Domain Description: A system that classifies mineral and organic mineral soils for engineering purposes based on particle-size characteristics, liquid limit, and plasticity index. Reference: Part 618 National Soil Survey Handbook. Standard practice for classification of soils for engineering purposes (Unified Soil Classification System). Reference: ASTM designation D2487 - 92.

## NASIS 7.4.2 Domains

Domain Name: use\_frequency

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	rarely, if ever, grazed	Rarely, if ever, grazed	No description available.
No	2	occasionally grazed	Occasionally grazed	No description available.
No	3	systematically grazed	Systematically grazed	No description available.
No	4	unknown	Unknown	No description available.

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Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: user\_affiliation

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	nracs	NRCS	No description available.
No	2	usfs	USFS	No description available.
No	3	blm	BLM	No description available.
No	4	nps	NPS	No description available.
No	5	bia	BIA	No description available.
No	6	state agency	State agency	No description available.
No	7	county agency	County agency	No description available.
No	8	local agency	local agency	No description available.
No	9	other	Other	No description available.

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Domain Description: NASIS user's agency of record.

## NASIS 7.4.2 Domains

Domain Name: usfs\_ground\_cover\_type

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	basal forb	Basal forb	Basal (cross sectional area at or near the ground level) cover of forbs.
No	2	basal graminoid	Basal graminoid	Basal (cross sectional area at or near the ground level) cover of grasses or grass-like plants.
No	3	bare soil (soil particles < 2 mm)	Bare soil (soil particles < 2 mm)	Bare soil, not covered by rock, cryptogams, or organic material. Does not include any part of a road (see definition for road).
No	4	basal shrub	Basal shrub	Basal (cross sectional area at or near the ground level) cover of shrubs.
No	5	basal tree	Basal tree	Basal (cross sectional area at or near the ground level) cover of trees.
No	6	basal vegetation	Basal vegetation	Basal vegetation, not differentiated by life form. For use when basal vegetation is not separated into more detailed codes.
No	7	bedrock	Bedrock	A general term for the rock, usually solid, that underlies soil or other unconsolidated, superficial material.
No	8	cryptogams, mosses, and lichens	Cryptogams, mosses, and lichens	For situations where information is not further differentiated.
No	9	cryptogamic crust	Cryptogamic crust	Thin, biotically dominated ground or surface crusts on soil in dry rangeland conditions; e.g. cryptogamic crust (algae, lichen, mosses or cyanobacteria).
No	10	lichen	Lichen	An organism generally recognized as a single plant that consists of a fungus and an alga or cyanobacterium living in a symbiotic association. For lichen growing on bare soil in dry rangeland conditions see cryptogamic crust.
No	11	litter and duff	Litter and duff	Leaf and needle litter, and duff not yet incorporated into the decomposed top humus layer. Non-continuous litter is not included (for example, scattered needles over soil is classified as BARE).
No	12	moss	Moss	Nonvascular, terrestrial green plant, including mosses, hornworts, and liverworts. Always herbaceous. This code does not apply to moss growing on bare soil in dry rangeland conditions. For rangeland conditions, see cryptogamic crusts.
No	13	non-vascular plant	Non-vascular plant	Plants or plant-like organisms without specialized water or fluid conductive tissue (xylem and phloem). Includes mosses, liverworts, hornworts, lichens, algae, and bacterial soil crusts.
No	14	pavement	Pavement	A natural, concentration of closely packed and polished stones at the soil surface in a desert (may or may not be an erosional lag).
No	15	permanent ice and snow	Permanent ice and snow	Surface area covered by ice and snow at the time of plot measurement, considered permanent. For use when permanent ice and snow are not differentiated.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	16	road	Road	Improved roads, paved roads, gravel roads, improved dirt roads, and off-road vehicle trails regularly maintained or in long-term continuing use. Generally constructed using machinery. Includes cutbanks and fills.
No	17	transient ice and snow	Transient ice and snow	Surface area covered by ice and snow at the time of plot measurement, considered transient. For use when permanent ice and snow are not differentiated.
No	18	water	Water	Where the water table is above the ground surface during the growing season, such as streams, bogs, swamps, marshes, and ponds.
No	19	wood	Wood	Woody material, slash, and debris; any woody material, small and large woody debris, regardless of depth. Litter and non-continuous litter are not included (for example, scattered needles over soil is classified as BARE).

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Domain Description: No description available.



## NASIS 7.4.2 Domains

Domain Name: va\_soil\_management\_group

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	a	A	Reference: Virginia Polytechnic Institute and State University. 1994. VALUES - Virginia Agronomic Land Use and Evaluation System. In Soil Test Recommendations for Virginia. Virginia Cooperative Extension.
No	2	b	B	Reference: Virginia Polytechnic Institute and State University. 1994. VALUES - Virginia Agronomic Land Use and Evaluation System. In Soil Test Recommendations for Virginia. Virginia Cooperative Extension.
No	3	c	C	Reference: Virginia Polytechnic Institute and State University. 1994. VALUES - Virginia Agronomic Land Use and Evaluation System. In Soil Test Recommendations for Virginia. Virginia Cooperative Extension.
No	4	d	D	Reference: Virginia Polytechnic Institute and State University. 1994. VALUES - Virginia Agronomic Land Use and Evaluation System. In Soil Test Recommendations for Virginia. Virginia Cooperative Extension.
No	5	e	E	Reference: Virginia Polytechnic Institute and State University. 1994. VALUES - Virginia Agronomic Land Use and Evaluation System. In Soil Test Recommendations for Virginia. Virginia Cooperative Extension.
No	6	f	F	Reference: Virginia Polytechnic Institute and State University. 1994. VALUES - Virginia Agronomic Land Use and Evaluation System. In Soil Test Recommendations for Virginia. Virginia Cooperative Extension.
No	7	g	G	Reference: Virginia Polytechnic Institute and State University. 1994. VALUES - Virginia Agronomic Land Use and Evaluation System. In Soil Test Recommendations for Virginia. Virginia Cooperative Extension.
No	8	h	H	Reference: Virginia Polytechnic Institute and State University. 1994. VALUES - Virginia Agronomic Land Use and Evaluation System. In Soil Test Recommendations for Virginia. Virginia Cooperative Extension.
No	9	i	I	Reference: Virginia Polytechnic Institute and State University. 1994. VALUES - Virginia Agronomic Land Use and Evaluation System. In Soil Test Recommendations for Virginia. Virginia Cooperative Extension.
No	10	j	J	Reference: Virginia Polytechnic Institute and State University. 1994. VALUES - Virginia Agronomic Land Use and Evaluation System. In Soil Test Recommendations for Virginia. Virginia Cooperative Extension.
No	11	k	K	Reference: Virginia Polytechnic Institute and State University. 1994. VALUES - Virginia Agronomic Land Use and Evaluation System. In Soil Test Recommendations for Virginia. Virginia Cooperative Extension.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	12	l	L	Reference: Virginia Polytechnic Institute and State University. 1994. VALUES - Virginia Agronomic Land Use and Evaluation System. In Soil Test Recommendations for Virginia. Virginia Cooperative Extension.
No	13	m	M	Reference: Virginia Polytechnic Institute and State University. 1994. VALUES - Virginia Agronomic Land Use and Evaluation System. In Soil Test Recommendations for Virginia. Virginia Cooperative Extension.
No	14	n	N	Reference: Virginia Polytechnic Institute and State University. 1994. VALUES - Virginia Agronomic Land Use and Evaluation System. In Soil Test Recommendations for Virginia. Virginia Cooperative Extension.
No	15	o	O	Reference: Virginia Polytechnic Institute and State University. 1994. VALUES - Virginia Agronomic Land Use and Evaluation System. In Soil Test Recommendations for Virginia. Virginia Cooperative Extension.
No	16	p	P	Reference: Virginia Polytechnic Institute and State University. 1994. VALUES - Virginia Agronomic Land Use and Evaluation System. In Soil Test Recommendations for Virginia. Virginia Cooperative Extension.
No	17	q	Q	Reference: Virginia Polytechnic Institute and State University. 1994. VALUES - Virginia Agronomic Land Use and Evaluation System. In Soil Test Recommendations for Virginia. Virginia Cooperative Extension.
No	18	r	R	Reference: Virginia Polytechnic Institute and State University. 1994. VALUES - Virginia Agronomic Land Use and Evaluation System. In Soil Test Recommendations for Virginia. Virginia Cooperative Extension.
No	19	s	S	Reference: Virginia Polytechnic Institute and State University. 1994. VALUES - Virginia Agronomic Land Use and Evaluation System. In Soil Test Recommendations for Virginia. Virginia Cooperative Extension.
No	20	t	T	Reference: Virginia Polytechnic Institute and State University. 1994. VALUES - Virginia Agronomic Land Use and Evaluation System. In Soil Test Recommendations for Virginia. Virginia Cooperative Extension.
No	21	u	U	Reference: Virginia Polytechnic Institute and State University. 1994. VALUES - Virginia Agronomic Land Use and Evaluation System. In Soil Test Recommendations for Virginia. Virginia Cooperative Extension.
No	22	v	V	Reference: Virginia Polytechnic Institute and State University. 1994. VALUES - Virginia Agronomic Land Use and Evaluation System. In Soil Test Recommendations for Virginia. Virginia Cooperative Extension.
No	23	w	W	Reference: Virginia Polytechnic Institute and State University. 1994. VALUES - Virginia Agronomic Land Use and Evaluation System. In Soil Test Recommendations for Virginia. Virginia Cooperative Extension.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	24	x	X	Reference: Virginia Polytechnic Institute and State University. 1994. VALUES - Virginia Agronomic Land Use and Evaluation System. In Soil Test Recommendations for Virginia. Virginia Cooperative Extension.
No	25	y	Y	Reference: Virginia Polytechnic Institute and State University. 1994. VALUES - Virginia Agronomic Land Use and Evaluation System. In Soil Test Recommendations for Virginia. Virginia Cooperative Extension.
No	26	z	Z	Reference: Virginia Polytechnic Institute and State University. 1994. VALUES - Virginia Agronomic Land Use and Evaluation System. In Soil Test Recommendations for Virginia. Virginia Cooperative Extension.
No	27	aa	AA	Reference: Virginia Polytechnic Institute and State University. 1994. VALUES - Virginia Agronomic Land Use and Evaluation System. In Soil Test Recommendations for Virginia. Virginia Cooperative Extension.
No	28	bb	BB	Reference: Virginia Polytechnic Institute and State University. 1994. VALUES - Virginia Agronomic Land Use and Evaluation System. In Soil Test Recommendations for Virginia. Virginia Cooperative Extension.
No	29	cc	CC	Reference: Virginia Polytechnic Institute and State University. 1994. VALUES - Virginia Agronomic Land Use and Evaluation System. In Soil Test Recommendations for Virginia. Virginia Cooperative Extension.
No	30	dd	DD	Reference: Virginia Polytechnic Institute and State University. 1994. VALUES - Virginia Agronomic Land Use and Evaluation System. In Soil Test Recommendations for Virginia. Virginia Cooperative Extension.
No	31	ee	EE	Reference: Virginia Polytechnic Institute and State University. 1994. VALUES - Virginia Agronomic Land Use and Evaluation System. In Soil Test Recommendations for Virginia. Virginia Cooperative Extension.
No	32	ff	FF	Reference: Virginia Polytechnic Institute and State University. 1994. VALUES - Virginia Agronomic Land Use and Evaluation System. In Soil Test Recommendations for Virginia. Virginia Cooperative Extension.
No	33	gg	GG	Reference: Virginia Polytechnic Institute and State University. 1994. VALUES - Virginia Agronomic Land Use and Evaluation System. In Soil Test Recommendations for Virginia. Virginia Cooperative Extension.
No	34	hh	HH	Reference: Virginia Polytechnic Institute and State University. 1994. VALUES - Virginia Agronomic Land Use and Evaluation System. In Soil Test Recommendations for Virginia. Virginia Cooperative Extension.
No	35	ii	II	Reference: Virginia Polytechnic Institute and State University. 1994. VALUES - Virginia Agronomic Land Use and Evaluation System. In Soil Test Recommendations for Virginia. Virginia Cooperative Extension.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	36	jj	JJ	Reference: Virginia Polytechnic Institute and State University. 1994. VALUES - Virginia Agronomic Land Use and Evaluation System. In Soil Test Recommendations for Virginia. Virginia Cooperative Extension.
No	37	kk	KK	Reference: Virginia Polytechnic Institute and State University. 1994. VALUES - Virginia Agronomic Land Use and Evaluation System. In Soil Test Recommendations for Virginia. Virginia Cooperative Extension.
No	38	ll	LL	Reference: Virginia Polytechnic Institute and State University. 1994. VALUES - Virginia Agronomic Land Use and Evaluation System. In Soil Test Recommendations for Virginia. Virginia Cooperative Extension.
No	39	mm	MM	Reference: Virginia Polytechnic Institute and State University. 1994. VALUES - Virginia Agronomic Land Use and Evaluation System. In Soil Test Recommendations for Virginia. Virginia Cooperative Extension.
No	40	nn	NN	Reference: Virginia Polytechnic Institute and State University. 1994. VALUES - Virginia Agronomic Land Use and Evaluation System. In Soil Test Recommendations for Virginia. Virginia Cooperative Extension.
No	41	oo	OO	Reference: Virginia Polytechnic Institute and State University. 1994. VALUES - Virginia Agronomic Land Use and Evaluation System. In Soil Test Recommendations for Virginia. Virginia Cooperative Extension.
No	42	pp	PP	Reference: Virginia Polytechnic Institute and State University. 1994. VALUES - Virginia Agronomic Land Use and Evaluation System. In Soil Test Recommendations for Virginia. Virginia Cooperative Extension.
No	43	qq	QQ	Reference: Virginia Polytechnic Institute and State University. 1994. VALUES - Virginia Agronomic Land Use and Evaluation System. In Soil Test Recommendations for Virginia. Virginia Cooperative Extension.

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Domain Description: A system used in Virginia for ranking soils for productivity estimates. Developed by Virginia Tech & State University. See Virginia Agronomic Land Use Evaluation System (VALUES) 1993.

## NASIS 7.4.2 Domains

Domain Name: va\_soil\_productivity\_group

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	I	I	Reference: Simpson, T.W., Baker, J.C., Monnett, M.M. VALUES Guidebook, Virginia Tech, Department of Crop and Soil Environmental Sciences
No	2	Ia	Ia	Reference: Simpson, T.W., Baker, J.C., Monnett, M.M. VALUES Guidebook, Virginia Tech, Department of Crop and Soil Environmental Sciences
No	3	Ib	Ib	Reference: Simpson, T.W., Baker, J.C., Monnett, M.M. VALUES Guidebook, Virginia Tech, Department of Crop and Soil Environmental Sciences
No	4	II	II	Reference: Simpson, T.W., Baker, J.C., Monnett, M.M. VALUES Guidebook, Virginia Tech, Department of Crop and Soil Environmental Sciences
No	5	Ila	Ila	Reference: Simpson, T.W., Baker, J.C., Monnett, M.M. VALUES Guidebook, Virginia Tech, Department of Crop and Soil Environmental Sciences
No	6	IIb	IIb	Reference: Simpson, T.W., Baker, J.C., Monnett, M.M. VALUES Guidebook, Virginia Tech, Department of Crop and Soil Environmental Sciences
No	7	III	III	Reference: Simpson, T.W., Baker, J.C., Monnett, M.M. VALUES Guidebook, Virginia Tech, Department of Crop and Soil Environmental Sciences
No	8	IIla	IIla	Reference: Simpson, T.W., Baker, J.C., Monnett, M.M. VALUES Guidebook, Virginia Tech, Department of Crop and Soil Environmental Sciences
No	9	IIlb	IIlb	Reference: Simpson, T.W., Baker, J.C., Monnett, M.M. VALUES Guidebook, Virginia Tech, Department of Crop and Soil Environmental Sciences
No	10	IV	IV	Reference: Simpson, T.W., Baker, J.C., Monnett, M.M. VALUES Guidebook, Virginia Tech, Department of Crop and Soil Environmental Sciences
No	11	IVa	IVa	Reference: Simpson, T.W., Baker, J.C., Monnett, M.M. VALUES Guidebook, Virginia Tech, Department of Crop and Soil Environmental Sciences
No	12	IVb	IVb	Reference: Simpson, T.W., Baker, J.C., Monnett, M.M. VALUES Guidebook, Virginia Tech, Department of Crop and Soil Environmental Sciences
No	13	V	V	Reference: Simpson, T.W., Baker, J.C., Monnett, M.M. VALUES Guidebook, Virginia Tech, Department of Crop and Soil Environmental Sciences
No	14	Va	Va	Reference: Simpson, T.W., Baker, J.C., Monnett, M.M. VALUES Guidebook, Virginia Tech, Department of Crop and Soil Environmental Sciences
No	15	Vb	Vb	Reference: Simpson, T.W., Baker, J.C., Monnett, M.M. VALUES Guidebook, Virginia Tech, Department of Crop and Soil Environmental Sciences

Obsolete?	ID	Data Entry Text	Label Text	Description
No	16	NS	NS	Reference: Simpson, T.W., Baker, J.C., Monnett, M.M. VALUES Guidebook, Virginia Tech, Department of Crop and Soil Environmental Sciences

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Domain Description: Crop specific groupings of soil indicating potential yields under a high level of management.

## NASIS 7.4.2 Domains

Domain Name: variability\_expression

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	high, low	High, Low	No description available.
No	2	high, low, representative value	High, Low, Representative Value	No description available.
No	3	representative value	Representative Value	No description available.
No	4	list	List	No description available.
No	5	list, representative value	List, Representative Value	No description available.
No	8	none	None	No description available.

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Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: veg\_plot\_text\_kind

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	esis-esi range notes	ESIS-ESI range notes	Note(s) converted from legacy ESIS-ESI range data.
No	2	esis-esi forest notes	ESIS-ESI forest notes	Note(s) converted from legacy ESIS-ESI forest data.
No	3	data conversion notes	Data conversion notes	Note(s) concerning data conversion encountered when converting data from another database.
No	4	edit notes	Edit notes	Note(s) explaining edits made to existing data.
No	5	miscellaneous notes	Miscellaneous notes	Note(s) not related to any other choices.
No	6	qc/qa review notes	QC/QA review notes	Note(s) created as part of a quality control (QC) or quality assurance (QA) review of the data associated with a vegetation plot record.
No	7	forest understory description	Forest understory description	A narrative description of the forest understory community found on the plot.
No	8	saleable forest products	Saleable forest products	A description or listing of saleable and/or useable forest products from the plot.
No	9	other forest considerations	Other forest considerations	A description of other values or items to consider for the plot.
No	10	data collection notes	Data collection notes	Note(s) recorded during the data collection/inventory process in the field.

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Domain Description: The kind of text note used to record additional information about the specific plot where vegetation was sampled..



## NASIS 7.4.2 Domains

Domain Name: veg\_transect\_text\_kind

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	edit notes	Edit notes	Note(s) explaining edits made to existing data.
No	2	miscellaneous notes	Miscellaneous notes	Note(s) not related to any other choices.
No	3	data conversion notes	Data conversion notes	Data conversion issue(s) encountered when converting data from another database.
No	4	data collection notes	Data collection notes	Note(s) recorded during the data collection/inventory process in the field.

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Domain Description: The kind of text note used to record additional information about the vegetative transect.

## NASIS 7.4.2 Domains

Domain Name: vegetation\_canopy\_type

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	annual grass	Annual grass	No description available.
No	2	none	None	No description available.
No	3	perennial forbs or herbaceous	Perennial forbs or herbaceous	No description available.
No	4	perennial grass	Perennial grass	No description available.
No	5	shrub	Shrub	No description available.
No	6	tree	Tree	No description available.

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Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: vegetation\_data\_origin

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	esis	ESIS	Data were converted from legacy ESIS-ESI database.
No	2	direct data entry	Direct data entry	Data were entered directly through the NASIS application user interface.
No	3	spreadsheet form	Spreadsheet form	Data were imported from a spreadsheet form.
No	4	dima	DIMA	Data were converted from ARS-DIMA database.
No	5	conservation planning	Conservation planning	Data converted/imported for Conservation Planning Database.
No	6	digital pen spreadsheet	Digital pen spreadsheet	Data were imported from a digital pen enabled spreadsheet.
No	7	other field data collection tool	Other field data collection tool	Data were imported or converted from some other field data collection tool or external local database used by individuals or individual states.
No	8	site existing veg table	Site Existing Veg table	Data were converted from the former Site Existing Vegetation table. Species were populated in the Plot Inventory table.

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Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: vegetation\_strata\_level

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	overstory	Overstory	The uppermost layer(s) of vegetation in the community; usually trees or tall shrubs.
No	2	understory	Understory	The lowermost layer(s) of vegetation in the community; usually low shrubs, forbs, or grasses.

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Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: vigor\_class

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	excellent	Excellent	Large plant size relative to age and environment; stolons and rhizomes longer than expected.
No	2	good	Good	Small decrease in plant size, number and length of stolons and rhizomes of some plants. Most plants appear healthy.
No	3	moderate	Moderate	Plants with decreased size, number and length of stolons and rhizomes are easily recognizable. Plant community may have patches of both normal and stressed individuals. Resistance to insects appears to diminish.
No	4	fair	Fair	Majority of plants appear to have decreased size. Stolons and rhizomes are significantly shorter and fewer than normal. Many grass species become sod-bound.
No	5	poor	Poor	Entire plant community exhibits smaller size. Stolons and runners appear dormant, few in number, and small. Increased mortality and absence of reproductive success.

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Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: vnir\_light\_source

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	contact probe	contact probe	No description available.
No	2	mug light	mug light	No description available.
No	3	turntable	turntable	No description available.

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Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: vnir\_sample\_condition

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	field moist	field moist	No description available.
No	2	dried and sieved	dried and sieved	No description available.
No	3	broken face	broken face	No description available.
No	4	smearred	smearred	No description available.
No	5	crushed	crushed	No description available.
No	6	ped interior	ped interior	No description available.
No	7	ped exterior	ped exterior	No description available.

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Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: von\_post\_humification\_scale

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	h1	H1	Completely undecomposed peat which, when squeezed, releases almost clear water. Plant remains easily identifiable. No amorphous material present. Reference: Ekono. 1981. Report on energy use of peat. Contribution to U.N. Conference on New and Renewable Sources of Energy, Nairobi
No	2	h2	H2	Almost entirely undecomposed peat which, when squeezed, releases clear or yellowish water. Plant remains still easily identifiable. No amorphous material present. Reference: Ekono. 1981. Report on energy use of peat. Contribution to U.N. Conference on New and Renewable Sources of Energy, Nairobi
No	3	h3	H3	Very slightly decomposed peat which, when squeezed, releases muddy brown water, but from which no peat passes between the fingers. Plant remains still identifiable, and no amorphous material present. Reference: Ekono. 1981. Report on energy use of peat. Contribution to U.N. Conference on New and Renewable Sources of Energy, Nairobi
No	4	h4	H4	Slightly decomposed peat which, when squeezed, releases very muddy dark water. No peat is passed between the fingers but the plant remains are slightly pasty and have lost some of their identifiable features. Reference: Ekono. 1981. Report on energy use of peat. Contribution to U.N. Conference on New and Renewable Sources of Energy, Nairobi
No	5	h5	H5	Moderately decomposed peat which, when squeezed, releases very muddy water with a very small amount of amorphous granular peat escaping between the fingers. The structure of the plant remains is quite indistinct although it is still possible to recognize certain features. The residue is very pasty. Reference: Ekono. 1981. Report on energy use of peat. Contribution to U.N. Conference on New and Renewable Sources of Energy, Nairobi
No	6	h6	H6	Moderately highly decomposed peat with a very indistinct plant structure. When squeezed, about one-third of the peat escapes between the fingers. The residue is very pasty but shows the plant structure more distinctly than before squeezing. Reference: Ekono. 1981. Report on energy use of peat. Contribution to U.N. Conference on New and Renewable Sources of Energy, Nairobi
No	7	h7	H7	Highly decomposed peat. Contains a lot of amorphous material with very faintly recognizable plant structure. When squeezed, about one-half of the peat escapes between the fingers. The water, if any is released, is very dark and almost pasty. Reference: Ekono. 1981. Report on energy use of peat. Contribution to U.N. Conference on New and Renewable Sources of Energy, Nairobi



Obsolete?	ID	Data Entry Text	Label Text	Description
No	8	h8	H8	Very highly decomposed peat with a large quantity of amorphous material and very indistinct plant structure. When squeezed, about two-thirds of the peat escapes between the fingers. A small quantity of pasty water may be released. The plant material remaining in the hand consists of residues such as roots and fibres that resist decomposition. Reference: Ekono. 1981. Report on energy use of peat. Contribution to U.N. Conference on New and Renewable Sources of Energy, Nairobi
No	9	h9	H9	Practically fully decomposed peat in which there is hardly any recognizable plant structure. When squeezed it is a fairly uniform paste. Reference: Ekono. 1981. Report on energy use of peat. Contribution to U.N. Conference on New and Renewable Sources of Energy, Nairobi
No	10	h10	H10	Completely decomposed peat with no discernible plant structure. When squeezed, all the wet peat escapes between the fingers. Reference: Ekono. 1981. Report on energy use of peat. Contribution to U.N. Conference on New and Renewable Sources of Energy, Nairobi

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Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: vt\_septic\_system\_class\_2007

Obsolete?	ID	Data Entry Text	Label Text	Description
No	8	la	la	This unit is well suited as a site for soil-based residential wastewater disposal systems, based on a review by the Natural Resources Conservation Service of criteria set forth in the Vermont 2007 Environmental Protection Rules. The rapid permeability in the substratum is a concern. Backfilling absorption trenches with at least one foot of finer textured material or other site modifications may be necessary to slow the percolation rate enough to allow for thorough filtering of effluent.
No	9	lb	lb	This unit is well suited as a site for soil-based residential wastewater disposal systems, based on a review by the Natural Resources Conservation Service of criteria set forth in the Vermont 2007 Environmental Protection Rules. The rapid permeability in the substratum and slopes greater than 20 percent in some areas are concerns. Backfilling absorption trenches with at least one foot of finer textured material or other site modifications may be necessary to slow the percolation rate enough to allow for thorough filtering of effluent. There may be less-sloping areas within the unit that are suitable for siting a septic system, or, if feasible, cut and fill site modifications may produce an acceptable area within the unit. An erosion prevention and sediment control plan is required by the State for construction on sites over 20 percent slope.
No	10	lc	lc	This unit is well suited as a site for soil-based residential wastewater disposal systems, based on a review by the Natural Resources Conservation Service of criteria set forth in the Vermont 2007 Environmental Protection Rules. With moderate permeability and slopes less than 20 percent, there are few limitations.
No	11	ld	ld	This unit is well suited as a site for soil-based residential wastewater disposal systems, based on a review by the Natural Resources Conservation Service of criteria set forth in the Vermont 2007 Environmental Protection Rules. Slopes greater than 20 percent in some areas are a concern. There may be less-sloping areas within the unit that are suitable for siting a septic system, or, if feasible, cut and fill site modifications may produce an acceptable area within the unit. An erosion prevention and sediment control plan is required by the State for construction on sites over 20 percent slope.
No	12	lla	lla	This unit is moderately suited as a site for soil-based residential wastewater disposal systems, based on a review by the Natural Resources Conservation Service of criteria set forth in the Vermont 2007 Environmental Protection Rules. The slow permeability in the substratum is the primary concern. Mound system construction and other site modifications may be necessary.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	13	IIb	IIb	<p>This unit is moderately suited as a site for soil-based residential wastewater disposal systems, based on a review by the Natural Resources Conservation Service of criteria set forth in the Vermont 2007 Environmental Protection Rules. The slow permeability in the substratum and slopes greater than 20 percent in some areas are the primary concerns. Mound system construction and other site modifications may be necessary. There may be less-sloping areas within the unit that are suitable for siting a septic system, or, if feasible, cut and fill site modifications may produce an acceptable area within the unit. An erosion prevention and sediment control plan is required by the State for construction on sites over 20 percent slope.</p>
No	14	IIc	IIc	<p>This unit is moderately suited as a site for soil-based residential wastewater disposal systems, based on a review by the Natural Resources Conservation Service of criteria set forth in the Vermont 2007 Environmental Protection Rules. The depth to bedrock in some areas is the primary concern. A significant percentage of this map unit has sufficient soil depth over bedrock to accept a range of designs. On-site investigations can help avoid areas with limited depth to bedrock. Additional fill material may be needed in some areas in order to meet the separation distance requirement between the bottom of the leachfield and bedrock.</p>
No	15	IId	IId	<p>This unit is moderately suited as a site for soil-based residential wastewater disposal systems, based on a review by the Natural Resources Conservation Service of criteria set forth in the Vermont 2007 Environmental Protection Rules. The depth to bedrock and slopes greater than 20 percent in some areas are the primary concerns. A significant percentage of this map unit has sufficient soil depth over bedrock to accept a range of designs. On-site investigations can help avoid areas with limited depth to bedrock. Additional fill material may be needed in some areas in order to meet the separation distance requirement between the bottom of the leachfield and bedrock. There may be less-sloping areas within the unit that are suitable for siting a septic system, or, if feasible, cut and fill site modifications may produce an acceptable area within the unit. An erosion prevention and sediment control plan is required by the State for construction on sites over 20 percent slope.</p>
No	16	IIf	IIf	<p>This unit is moderately suited as a site for soil-based residential wastewater disposal systems, based on a review by the Natural Resources Conservation Service of criteria set forth in the Vermont 2007 Environmental Protection Rules. The rapid permeability in the substratum and slopes greater than 20 percent are the primary concerns. Backfilling absorption trenches and beds with at least one foot of finer textured material, or other site modifications, may be necessary to slow the percolation rate enough to allow for thorough filtering of effluent. Cut and fill site modifications may produce an acceptable area within the unit. An erosion prevention and sediment control plan is required by the State for construction on sites over 20 percent slope.</p>

Obsolete?	ID	Data Entry Text	Label Text	Description
No	17	II f	II f	<p>This unit is moderately suited as a site for soil-based residential wastewater disposal systems, based on a review by the Natural Resources Conservation Service of criteria set forth in the Vermont 2007 Environmental Protection Rules. Slopes greater than 20 percent are the primary concern. Cut and fill site modifications may produce an acceptable area within the unit. An erosion prevention and sediment control plan is required by the State for construction on sites over 20 percent slope.</p>
No	19	II h	II h	<p>This unit is moderately suited as a site for soil-based residential wastewater disposal systems, based on a review by the Natural Resources Conservation Service of criteria set forth in the Vermont 2007 Environmental Protection Rules. The depth to the seasonal high water table is the primary concern. Mound system construction and other site modifications are often necessary. On sloping sites, curtain drains can help lower the water table to an acceptable level. In some cases, a detailed, site-specific analysis with groundwater level monitoring and determination of induced groundwater mounding may be required to establish the suitability of this unit.</p>
No	20	III a	III a	<p>This unit is marginally suited as a site for soil-based residential wastewater disposal systems, based on a review by the Natural Resources Conservation Service of criteria set forth in the Vermont 2007 Environmental Protection Rules. The depth to bedrock is the major limitation. On-site investigations are needed to locate areas with sufficient soil depth. A significant percentage of the soils in this unit are less than 18 inches to bedrock and are not suitable as a site. However, there may be deeper areas that are suitable. Additional fill material may be needed in some areas in order to meet the separation distance requirement between the bottom of the leachfield and bedrock.</p>
No	21	III b	III b	<p>This unit is marginally suited as a site for soil-based residential wastewater disposal systems, based on a review by the Natural Resources Conservation Service of criteria set forth in the Vermont 2007 Environmental Protection Rules. The hazard of flooding and the depth to the seasonal high water table are the major limitations. This unit is on floodplains and typically includes land in the floodway and the special flood hazard area. Consult flood hazard maps prepared by the Federal Emergency Management Agency (FEMA) in local town offices for more information. Wastewater systems must be located, designed and constructed in a manner that avoids impairment to the system and contamination from the system due to flooding. A detailed, site-specific analysis with groundwater level monitoring and determination of induced groundwater mounding may be required to establish the suitability of this unit. Mound system construction and other site modifications are often necessary.</p>
No	22	III c	III c	<p>This unit is marginally suited as a site for soil-based residential wastewater disposal systems, based on a review by the Natural Resources Conservation Service of criteria set forth in the Vermont 2007 Environmental Protection Rules. The depth to the seasonal high water table in association with the minimal slope is the major limitation. A detailed, site-specific analysis is generally required. On-site groundwater level monitoring and determination of induced groundwater mounding is often necessary to establish the suitability of this unit. Curtain drains may help lower the water table to an acceptable level, however, the minimal slope may prevent their use in many areas.</p>

Obsolete?	ID	Data Entry Text	Label Text	Description
No	23	IIIId	IIIId	<p>This unit is marginally suited as a site for soil-based residential wastewater disposal systems, based on a review by the Natural Resources Conservation Service of criteria set forth in the Vermont 2007 Environmental Protection Rules. The depth to the seasonal high water table is the major limitation. A detailed, site-specific analysis is generally required. On-site groundwater level monitoring and determination of induced groundwater mounding is often necessary to establish the suitability of this unit. Curtain drains may help lower the water table to an acceptable level.</p>
No	24	IIIe	IIIe	<p>This unit is marginally suited as a site for soil-based residential wastewater disposal systems, based on a review by the Natural Resources Conservation Service of criteria set forth in the Vermont 2007 Environmental Protection Rules. The depth to the seasonal high water table and slopes greater than 20 percent in some areas are the major limitations. A detailed, site-specific analysis is generally required. On-site groundwater level monitoring and determination of induced groundwater mounding is often necessary to establish the suitability of this unit. Curtain drains may help lower the water table to an acceptable level. There may be less-sloping areas within the unit that are suitable for siting a septic system, or, if feasible, cut and fill site modifications may produce an acceptable area within the unit. An erosion prevention and sediment control plan is required by the State for construction on sites over 20 percent slope.</p>
No	25	IIIIf	IIIIf	<p>This unit is marginally suited as a site for soil-based residential wastewater disposal systems, based on a review by the Natural Resources Conservation Service of criteria set forth in the Vermont 2007 Environmental Protection Rules. The depth to the seasonal high water table and the restricted depth to bedrock in some areas are the major limitations. On-site investigations can help avoid areas with limited depth to bedrock. Additional fill material may be needed in some areas in order to meet the separation distance requirement between the bottom of the leachfield and bedrock. A detailed, site-specific analysis with groundwater level monitoring and determination of induced groundwater mounding may be required to establish the suitability of this unit. Mound system construction and other site modifications are often necessary. On sloping sites, curtain drains can help lower the water table to an acceptable level.</p>
No	26	IVa	IVa	<p>This unit is generally not suited as a site for soil-based residential wastewater disposal systems, based on a review by the Natural Resources Conservation Service of criteria set forth in the Vermont 2007 Environmental Protection Rules. Excessive soil wetness in association with the minimal slope is the limiting condition. Prolonged periods of saturation at or near the soil surface do not allow for the proper functioning of septic systems.</p>
No	27	IVb	IVb	<p>This unit is generally not suited as a site for soil-based residential wastewater disposal systems, based on a review by the Natural Resources Conservation Service of criteria set forth in the Vermont 2007 Environmental Protection Rules. Steep slopes in association with the depth to bedrock is the limiting condition. Cut and fill site modifications that reduce the slope gradient are difficult to achieve due to the depth to bedrock.</p>

Obsolete?	ID	Data Entry Text	Label Text	Description
No	28	IVc	IVc	This unit is generally not suited as a site for soil-based residential wastewater disposal systems, based on a review by the Natural Resources Conservation Service of criteria set forth in the Vermont 2007 Environmental Protection Rules. The very shallow to shallow depth to bedrock is the limiting condition.
No	29	IVd	IVd	This unit is generally not suited as a site for soil-based residential wastewater disposal systems, based on a review by the Natural Resources Conservation Service of criteria set forth in the Vermont 2007 Environmental Protection Rules. Steep slopes in association with the slowly permeable substratum is the limiting condition. Cut and fill site modifications that reduce the slope gradient are not generally effective due to the slowly permeable substratum.
No	30	V	V	This unit is not rated as a site for soil-based residential wastewater disposal systems. Due to the variable nature of the soils, on-site investigations are needed to determine their suitability.
No	31	IIIg	IIIg	This unit is marginally suited as a site for soil-based residential wastewater disposal systems, based on a review by the Natural Resources Conservation Service of criteria set forth in the Vermont 2007 Environmental Protection Rules. The hazard of flooding is the major limitation. This unit is on floodplains and typically includes land in the floodway and the special flood hazard area. Consult flood hazard maps prepared by the Federal Emergency Management Agency (FEMA) in local town offices for more information. Wastewater systems must be located, designed and constructed in a manner that avoids impairment to the system and contamination from the system due to flooding.
Yes	18	IIg	IIg	This unit is moderately suited as a site for on-site waste disposal, based on a review by the Natural Resources Conservation Service of criteria set forth in the Vermont 2002 Environmental Protection Rules. Flooding from surface waters is the primary concern. Locating the septic system on the highest part of the floodplain and with the maximum setback from surface waters is recommended.

Domain Description: Redefined classes of allowed septic systems as directed by VT law. Reference: Wastewater system and Potable Water Supply Rule - Effective September 25, 2007.

## NASIS 7.4.2 Domains

Domain Name: weather\_conditions

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	rain	Rain	No description available.
No	2	snow	Snow	No description available.
No	3	sleet	Sleet	No description available.
No	4	overcast	Overcast	No description available.
No	5	sunny	Sunny	No description available.
No	6	partly cloudy	Partly cloudy	No description available.

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Domain Description: Relative weather condition at the time and place where a description, either soil or vegetation, is made.

## NASIS 7.4.2 Domains

Domain Name: weathering

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	moderate	Moderately	No description available.
No	2	slight	Slightly	No description available.
No	3	strong	Strongly	No description available.

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Domain Description: Very general class or description that weathering has had on bedrock.



## NASIS 7.4.2 Domains

Domain Name: wildlife\_rating

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	very poor	Very poor	No description available.
No	2	poor	Poor	No description available.
No	3	fair	Fair	No description available.
No	4	good	Good	No description available.

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Domain Description: No longer used.

## NASIS 7.4.2 Domains

Domain Name: wind\_erodibility\_group

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1 1		1	Surface texture - Very fine sand, fine sand, sand or coarse sand. Percent aggregates - 1 to 7. Wind erodibility index - 160 to 310 t/a/yr, use 220 as average.
No	2 2		2	Surface texture - Loamy very fine sand, loamy fine sand, loamy sand, loamy coarse sand; very fine sandy loam and silt loam with 5 or less percent clay and 25 or less percent very fine sand; and sapric soil materials (as defined in Soil Taxonomy); except Folists. Percent aggregates - 10. Wind erodibility index - 134 t/a/yr.
No	3 3		3	Surface texture - Very fine sandy loam, fine sandy loam, sandy loam, coarse sandy loam, and noncalcareous silt loam that has 20 to 50 percent very fine sand and 5 to 12 percent clay. Percent aggregates - 25. Wind Erodibility Index - 86 t/a/yr.
No	4 4		4	Surface texture - Clay, silty clay, noncalcareous clay loam that has more than 35 percent clay, and noncalcareous silty clay loam that has more than 35 percent clay. All of these do not have sesquic, parasesquic, ferritic, ferruginous, or kaolinitic mineralogy (high iron oxide content). Percent aggregates - 25. Wind erodibility index - 86 t/a/yr.
No	5 4L		4L	Surface texture - Calcareous loam, calcareous silt loam, calcareous silt, calcareous sandy clay, calcareous sandy clay loam, calcareous clay loam and calcareous silty clay loam. Percent aggregates - 25 .Wind Erodibility Index - 86 t/a/yr.
No	6 5		5	Surface texture - Noncalcareous loam that has less than 20 percent clay; noncalcareous silt loam with 12 to 20 percent clay; noncalcareous sandy clay loam; noncalcareous sandy clay; and hemic materials (as defined in Soil Taxonomy). Percent aggregates - 40. Wind Erodibility Index - 56 t/a/yr.
No	7 6		6	Surface texture - Noncalcareous loam and silt loam that have more than 20 percent clay; noncalcareous clay loam and noncalcareous silty clay loam that has less than 35 percent clay; silt loam that has parasesquic, ferritic, or kaolinitic mineralogy (high iron oxide content). Percent aggregates - 45. Wind Erodibility Index - 48 t/a/yr.
No	8 7		7	Surface texture - Noncalcareous silt; noncalcareous silty clay, noncalcareous silty clay loam, and noncalcareous clay that have sesquic, parasesquic, ferritic, ferruginous, or kaolinitic mineralogy (high content of iron oxide) and are Oxisols or Ultisols; and fibric material (as defined in Soil Taxonomy). Percent aggregates - 50. Wind Erodibility Index - 48 t/a/yr.
No	9 8		8	Soils not susceptible to wind erosion due to rock and pararock fragments at the surface and/or wetness; and Folists

Domain Description: This is a set of classes given integer designations from 1 through 8, based on compositional properties of the surface horizon that are considered to affect susceptibility to wind erosion. Texture, presence of carbonate, and the degree of decomposition of organic soils are the major criteria. Reference: Soil Survey Manual

## NASIS 7.4.2 Domains

Domain Name: wind\_erosibility\_index

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	0	0	Soils not susceptible to wind erosion due to coarse fragments on the surface or wetness.
No	2	38	38	Silt, noncalcareous silty clay loam that has less than 35 percent clay content, and fibric organic soil material. Dry soil aggregates more than .84 mm are more than 50 percent by weight.
No	3	48	48	Noncalcareous loam and silt loam that has more than 20 percent clay content or noncalcareous clay loam that has less than 35 percent clay content. Dry soil aggregates more than .84 mm are 45 to 50 percent by weight.
No	4	56	56	Noncalcareous loam and silt loam that has less than 20 percent clay content or sandy clay loam, sandy clay, and hemic organic soil materials. Dry soil aggregates more than .84 mm are 40 to 45 percent by weight.
No	5	86	86	Very fine sandy loam, fine sandy loam, sandy loam, coarse sandy loam, or ash material. Clay, silty clay, noncalcareous clay loam, or noncalcareous silty clay loam that has more than 35 percent clay content. Calcareous loam and silt loam or calcareous clay loam and silty clay loam. Dry soil aggregates more than .84 mm are 25 to 40 percent by weight.
No	6	134	134	Loamy very fine sand, loamy fine sand, loamy sand, loamy coarse sand, or sapric organic soil material. Dry soil aggregates more than .84 mm are 10 to 25 percent by weight.
No	7	160	160	Very fine sand, fine sand, sand, or coarse sand. Dry soil aggregates more than .84 mm are 7 to 10 percent by weight.
No	8	180	180	Very fine sand, fine sand, sand, or coarse sand. Dry soil aggregates more than .84 mm are 5 to 7 percent by weight.
No	9	220	220	Very fine sand, fine sand, sand, or coarse sand. Dry soil aggregates more than .84 mm area 3 to 5 percent by weight.
No	10	250	250	Very fine sand, fine sand, sand, or coarse sand. Dry soil aggregates more than .84 mm are 1 percent by weight.
No	11	310	310	Very fine sand, fine sand, sand, or coarse sand. Dry soil aggregates more than .84 mm are 1 percent by weight.

Domain Description: Associated with each wind erodibility group is a wind erodibility index in tons per acre per year. The wind erodibility index is the theoretical, long-term amount of soil lost per year through wind erosion. It is based on the assumption that the soil is bare, lacks a surface crust, occurs in an unsheltered position, and is subject to the weather at Garden City, Kansas. Reference: Soil Survey Manual

## NASIS 7.4.2 Domains

Domain Name: windbreak\_row\_direction

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	none specified	None specified	No description available.
No	2	north	North	No description available.
No	3	northeast	Northeast	No description available.
No	4	east	East	No description available.
No	5	southeast	Southeast	No description available.
No	6	south	South	No description available.
No	7	southwest	Southwest	No description available.
No	8	west	West	No description available.
No	9	northwest	Northwest	No description available.

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Domain Description: One of eight major cardinal directions in which the windbreak row is oriented.

## NASIS 7.4.2 Domains

Domain Name: windbreak\_suitability\_group

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	1	1	Reference: National Forestry Handbook, Part 637.32.
No	2	1k	1K	Reference: National Forestry Handbook, Part 637.32.
No	3	2	2	Reference: National Forestry Handbook, Part 637.32.
No	4	2k	2K	Reference: National Forestry Handbook, Part 637.32.
No	5	2h	2H	Reference: National Forestry Handbook, Part 637.32.
No	6	3	3	Reference: National Forestry Handbook, Part 637.32.
No	7	4	4	Reference: National Forestry Handbook, Part 637.32.
No	8	4c	4C	Reference: National Forestry Handbook, Part 637.32.
No	9	5	5	Reference: National Forestry Handbook, Part 637.32.
No	10	6	6	Reference: National Forestry Handbook, Part 637.32.
No	11	6d	6D	Reference: National Forestry Handbook, Part 637.32.
No	12	6g	6G	Reference: National Forestry Handbook, Part 637.32.
No	13	7	7	Reference: National Forestry Handbook, Part 637.32.
No	14	8	8	Reference: National Forestry Handbook, Part 637.32.
No	16	9c	9C	Reference: National Forestry Handbook, Part 637.32.
No	17	9w	9W	Reference: National Forestry Handbook, Part 637.32.
No	18	9l	9L	Reference: National Forestry Handbook, Part 637.32.
No	19	10	10	Reference: National Forestry Handbook, Part 637.32.
No	20	1h	1H	Reference: National Forestry Handbook, Part 637.32.
No	22	1kk	1KK	Reference: National Forestry Handbook, Part 637.32.
No	24	2kk	2KK	Reference: National Forestry Handbook, Part 637.32.
No	25	4k	4K	Reference: National Forestry Handbook, Part 637.32.
No	26	4ck	4CK	Reference: National Forestry Handbook, Part 637.32.
No	27	5k	5K	Reference: National Forestry Handbook, Part 637.32.
No	28	5kk	5KK	Reference: National Forestry Handbook, Part 637.32.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	29	6k	6K	Reference: National Forestry Handbook, Part 637.32.
No	30	6kk	6KK	Reference: National Forestry Handbook, Part 637.32.
No	31	6dk	6DK	Reference: National Forestry Handbook, Part 637.32.
No	32	6gk	6GK	Reference: National Forestry Handbook, Part 637.32.
No	33	6gkk	6GKK	Reference: National Forestry Handbook, Part 637.32.
No	34	8k	8K	Reference: National Forestry Handbook, Part 637.32.
No	35	1a	1A	Reference: National Forestry Handbook, Part 637.32.
No	36	2a	2A	Reference: National Forestry Handbook, Part 637.32.
No	37	1s	1S	Reference: National Forestry Handbook, Part 637.32.
No	38	1sk	1SK	Reference: National Forestry Handbook, Part 637.32.
No	39	1skk	1SKK	Reference: National Forestry Handbook, Part 637.32.
No	40	3a	3A	Reference: National Forestry Handbook, Part 637.32.
No	41	4a	4A	Reference: National Forestry Handbook, Part 637.32.
No	42	4ca	4CA	Reference: National Forestry Handbook, Part 637.32.
No	43	4cc	4CC	Reference: National Forestry Handbook, Part 637.32.
No	44	5a	5A	Reference: National Forestry Handbook, Part 637.32.
No	45	6a	6A	Reference: National Forestry Handbook, Part 637.32.
No	46	6da	6DA	Reference: National Forestry Handbook, Part 637.32.
No	47	6ga	6GA	Reference: National Forestry Handbook, Part 637.32.
No	48	7a	7A	Reference: National Forestry Handbook, Part 637.32.
No	49	9n	9N	Reference: National Forestry Handbook, Part 637.32.
No	50	9nw	9NW	Reference: National Forestry Handbook, Part 637.32.
Yes	15	9	9	No description available.
Yes	21	1kw	1KW	No description available.
Yes	23	2kw	2KW	No description available.

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Domain Description: Reference: National Forestry Handbook, Part 637.32.

## NASIS 7.4.2 Domains

Domain Name: years\_in

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	0 to 5 years	0 to 5 Years	No description available.
No	2	6 to 10 years	6 to 10 Years	No description available.
No	3	11 to 15 years	11 to 15 Years	No description available.
No	4	16 to 25 years	16 to 25 Years	No description available.
No	5	more than 25 years	More Than 25 Years	No description available.

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Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: yes\_no\_n.a.

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	yes	Yes	No description available.
No	2	no	No	No description available.
No	3	n/a	N/A	No description available.

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Domain Description: Yes, No, or Not Applicable



## NASIS 7.4.2 Domains

Domain Name: yrs\_since\_harvest

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	0 to 5 years	0 to 5 Years	No description available.
No	2	6 to 10 years	6 to 10 Years	No description available.
No	3	11 to 25 years	11 to 25 Years	No description available.
No	4	25 to 50 years	25 to 50 Years	No description available.
No	5	more than 50 years	More Than 50 Years	No description available.

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Domain Description: No description available.

## NASIS 7.4.2 Domains

Domain Name: yrs\_since\_last\_burn

Obsolete?	ID	Data Entry Text	Label Text	Description
No	1	0 to 3 years	0 to 3 Years	No description available.
No	2	4 to 10 years	4 to 10 Years	No description available.
No	3	11 to 25 years	11 to 25 Years	No description available.
No	4	more than 25 years	More Than 25 Years	No description available.

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Domain Description: No description available.