

NH Soil Catena Key

Parent Material/ Temperature	Particle Size Class	Excessively Drained	Somewhat Excessively Drained	Well Drained	Moderately Well Drained	Somewhat Poorly Drained	Poorly Drained	Very Poorly Drained	Subaqueous	Distinguishing Features
A. Alluvial Deposits										
Soils Developing on Flood Plain (Bottomland) Deposits										
1. Sandy to Loamy textures										
Mesic	Sandy	Suncook								
	Coarse-loamy			Occum	Pootatuck		Lim Rippowam			coarser
Frigid	Sandy	Sunday		Ondawa	Podunk		Rumney			
	Coarse-loamy			Ondawa variant	Podunk variant					sandy subsoil
2. Silty Textures										
Mesic	Coarse-silty			Hadley	Winooski		Limerick	Saco		
Frigid	Coarse-silty			Fryeburg	Lovewell		Charles	Medomak		
3. Loamy over gravelly textures										
Frigid	Coarse-loamy over sandy or sandy-skeletal			Abenaki	Metallak		Cohas	Saco variant		
B. Glaciofluvial, Ice Contact, and Proglacial Deposits										
Soils Developed on Outwash and Stream Terraces										
1. Stratified sand and gravel deposits										
Mesic	Sandy-Skeletal	Hinckley								
	Sandy		Merrimac				Walpole	Scarboro		
Frigid	Sandy-Skeletal	Boscawen Colton	Boscawen		Sheepscot Duane					Spodosols Spodosols, Ortstein Spodosols
	Sandy						Kinsman	Searsport		
2. Sandy Deposits										
Mesic	Sandy	Windsor Caesar			Deerfield	Wareham	Wareham	Scarboro		
						Pipestone Saugatuck	Mashpee			Coarser Spodosols Spodosols, Ortstein
Frigid	Sandy	Adams Champlain	Adams Champlain		Croghan	Moosilauke	Naumburg Moosilauke	Searsport		Spodosols, isotic
3. Loamy textured material underlain by sand or gravel										
Mesic	Coarse-loamy over sandy or sandy-skeletal			Agawam Haven	Ninigret					finer eolian cap
Frigid	Coarse-loamy			Groveton						Spodosols Spodosols
	Coarse-loamy over sandy or sandy-skeletal				Madawaska	Madawaska Grange	Grange Raynham variant			sandy subsoil
4. Stratified sand and gravel deposits with high % of schist; phyllite										
Mesic	Sandy-Skeletal	Quonset	Hoosic							
	Loamy-skeletal		Warwick							
Frigid	Sandy-Skeletal		Masardis							Spodosols w/ thick loamy cap Spodosols w/ thick loamy cap
	Coarse-loamy over sandy or sandy-skeletal			Stetson	Machias					Spodosols
C. Marine or Glaciolacustrine										
Soils Developed in Silt and Clay										
1. Silt and Clay Deposits										
Mesic	Coarse-silty over clayey			Suffield						Eurtic, high base saturation
	Fine				Boxford	Boxford	Scitico	Maybid		Eurtic, high base saturation
Frigid	Fine				Buxton		Scantic	Biddeford		Eurtic, high base saturation
2. Very fine sand and silt										
Mesic	Coarse-silty				Belgrade		Raynham Binghamville			Eurtic, high base saturation
				Hitchcock Unadilla Unadilla variant Poocham Salmon	Dartmouth Scio					Glacial Lake Sediments
Frigid	Coarse-silty						Roundabout Pemi			Silt Loam substratum Thin Solum Spodosols Endosaturated Episaturated

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3. Sandy or loamy materials 1.5 to 3 feet thick over silt and clay deposits										
Mesic	Sandy over clayey	Windsor variant								clay subsoil
	Sandy over loamy	Eldridge								
	Sandy over loamy	Squamscott Swanton								Spodosols
Frigid	Coarse-loamy over clayey	Elmwood								Eurtic, high base saturation
D. Ablation Till										
1. Loose Till of Sandy Textures										
Mesic	Sandy-Skeletal	Gloucester				Acton				
	Coarse-loamy over sandy or sandy-skeletal	Canton		Newfields						
Frigid	Sandy-Skeletal	Hermon		Waumbek						Spodosols
	Coarse-loamy over sandy or sandy-skeletal	Monadnock								Spodosols
	Sandy	Moosilauke								
	Sandy-Skeletal	Success								Spodosols, Ortstein
	Coarse-loamy over sandy or sandy-skeletal	Chichester								
	Coarse-loamy	Lyme								
2. Loose Glacial Till of Loamy Textures										
Mesic	Coarse-loamy	Charlton			Sutton		Leicester variant Leicester			vfsl and loam in subsoil, channery C
Frigid	Coarse-loamy	Berkshire Bice		Sunapee		Lyme				Spodosols
3. Friable Till of Silty Textures										
Mesic	Coarse-loamy									
Mesic	Loamy-skeletal	Dutchess Bangor								Spodosols
Frigid		Dixmont								Spodosols
E. Bedrock Controlled Till										
Soils Developed in Glacial Till with a Depth Class < Deep, excluding folists and residuum										
Mesic	Loamy	Kearsarge								Shallow
	Coarse-loamy									Mod. Deep
	Loamy	Hollis		Hollis						Shallow, Lithologic discontinuity
	Coarse-loamy	Chatfield								Mod. Deep, Lithologic discontinuity
	Coarse-loamy	Pennichuck								Eutric, Lithic Contact
Frigid	Loamy	Abram	Millsite Woodstock Lyman	Tunbridge Rawsonville Hogback						Spodosols, Very shallow
										Mod. Deep
										Shallow
										Spodosols, Shallow
								Spodosols, Mod. Deep		
Cryic	Coarse-loamy	Ragmuff								Folistic, Spodosols, Mod. Deep
	Coarse-loamy									Spodosols, Shallow, Humic
	Loamy									Spodosols, Mod. Deep
	Loamy-skeletal									Spodosols Mod. Deep Spodosols, Shallow, Humic
F. Weathered Bedrock										
Frigid	Coarse-loamy	Lombard								saprolite at 22", weathered rock at 64"
	Fragmental									Spodosols
	Loamy-skeletal	Redstone Canaan								Spodosols, Shallow

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G. Dense Basal Tills Soils Developed in Subglacial Till (e.g. Lodgement Till)										
1. Firm, Compact, Platy Till of Loamy Textures										
Mesic	Coarse-loamy			Paxton	Woodbridge					
	Loamy					Ridgebury	Ridgebury	Whitman		
Frigid	Coarse-loamy			Canterbury Marlow	Gilmanton Peru			Pillsbury		Spodosols
	Loamy					Colonel				
2. Firm, Compact, Platy Till of Sandy Textures										
Mesic				Montauk	Scituate					Moraines
Frigid	Coarse-loamy			Becket Henniker	Skerry Metacomet	Adirondack				Spodosols
3. Silty densic tills with lower % of clay										
Mesic	Coarse-loamy			Bernardston Bernardston var.	Pittstown Pittstown variant					high base saturation (Typic)
	Loamy						Stissing			
Frigid	Coarse-loamy			Plaisted	Howland			Cabot Wilmington	Peacham	Spodosols w/ <10% clay gray parent materials
	Loamy									
4. Silty densic tills with higher % of clay										
Frigid	Coarse-loamy				Chesuncook					Spodosols w/ >10% clay
	Loamy					Telos		Monarda	Burnham	Spodosols
5. Tills found at high elevation > 2,500 feet										
Cryic	Coarse-loamy			Sisk	Surplus	Surplus				Spodosols
	Loamy						Bemis			Aeric
H. Organic Materials- Upland Soils Developed in Organic Materials										
Cryic	Folists	Knob Lock Ricker	Knob Lock Ricker	Knob Lock Ricker						Very Shallow and Shallow, pH< 4.5 Folists, Shallow, pH< 4.5 Folists, pH< 4.5
	Folists- organic + fragmental		Mahoosuc							
I. Organic Materials - Freshwater										
Mesic	Loamy							Natchaug		16-51" organic, pH > 4.5, Terric
	Sandy or Sandy-Skeletal							Swansea		16-51" organic, pH< 4.5, Terric
								Timakwa		16-51" organic, pH > 4.5, Terric
	Organic							Catden Freetown		>51" sapric, pH> 4.5, Typic >51" sapric, pH< 4.5, Typic
Frigid	Loamy							Ossipee		16-51" organic, pH< 4.5, Terric
								Wonsqueak		16-51" organic, pH> 4.5, Terric
								Bucksport		>51" sapric, pH> 4.5, Typic
								Greenwood		>51" sapric, pH< 4.5, Typic
	Organic							Meadowsedge		>51" hemic, pH> 4.5, Typic
								Vassalboro		>51" peat, pH< 4.5, Typic
								Waskish		>51" peat, pH< 4.5, Typic
	Sandy or Sandy-Skeletal							Chocorua Pondicherry		16-51" organic, pH< 4.5, Terric 16-51" organic, pH>4.5, Terric
J. Organic Materials - Tidal Flat										
Mesic	Fine-silty							Cocheco		Typic Sulfaquents
	Loamy							Westbrook		16-51" organic, pH> 4.5, Terric, Sulfic
	Organic							Ipswich		>51" organic, Typic, Sulfic
	Sandy or Sandy-Skeletal							Pawcatuck		16-51" organic, pH> 4.5, Terric, Sulfic
K. Subaqueous										
Mesic	Coarse-loamy								Marshneck	Haplic Sulfiwassents
	Coarse-silty								Billington	Thapto-histic Sulfiwassents
	Fine-silty								Pishagqua	Fluventic Sulfiwassents
	Fine-silty over clayey								Great Bay	Fluventic Sulfiwassents

L. Miscellaneous Areas

Borochemists	Pits, gravel
Dams	Quarries
Dikes	Rock Outcrop
Dumps	Rubble land
Endoaquents, loamy	Udipsamments
Endoaquents, sandy	Udorthents
Fresh water marsh	Udorthents, loamy
Gravel and borrow pits	Udorthents, refuse substratum
Gravel pits	Udorthents, sandy
Made land	Urban land
Mixed alluvial land	Water
NOTCOM	Water (less than 40 acres)
Pits	Water < 40

FOOTNOTES

Italicized Soils:

Drainage Class within OSD range, but not the orginal mapping concept in WSS

User Notes

Alternating gray and white boxes indicate soil catena concepts