

**Grafton County, New Hampshire
Important Farmland Soils
February, 2012**

Map Unit Symbol	Map Unit Name	Farm Class
1	OCCUM FINE SANDY LOAM, FREQUENTLY FLOODED	Prime farmland
2	SUNCOOK LOAMY FINE SAND	Local Importance
4	POOTATUCK VERY FINE SANDY LOAM	Prime farmland
5	RIPPOWAM FINE SANDY LOAM	Local Importance
8	HADLEY SILT LOAM, FREQUENTLY FLOODED	Prime farmland
9	WINOOSKI SILT LOAM	Prime farmland
15	SEARSPORT MUCKY PEAT	Not prime farmland
22A	COLTON LOAMY SAND, 0 TO 3 PERCENT SLOPES	Local Importance
22B	COLTON LOAMY SAND, 3 TO 8 PERCENT SLOPES	Local Importance
22C	COLTON LOAMY SAND, 8 TO 15 PERCENT SLOPES	Not prime farmland
22E	COLTON LOAMY SAND, 15 TO 60 PERCENT SLOPES	Not prime farmland
24A	AGAWAM FINE SANDY LOAM, 0 TO 3 PERCENT SLOPES	Prime farmland
24B	AGAWAM FINE SANDY LOAM, 3 TO 8 PERCENT SLOPES	Prime farmland
26A	WINDSOR LOAMY FINE SAND, 0 TO 3 PERCENT SLOPES	Local Importance
26B	WINDSOR LOAMY FINE SAND, 3 TO 8 PERCENT SLOPES	Local Importance
26C	WINDSOR LOAMY FINE SAND, 8 TO 15 PERCENT SLOPES	Local Importance
26E	WINDSOR LOAMY FINE SAND 15 TO 60 PERCENT SLOPES	Not prime farmland
27A	GROVETON FINE SANDY LOAM, 0 TO 3 PERCENT SLOPES	Prime farmland
27B	GROVETON FINE SANDY LOAM, 3 TO 8 PERCENT SLOPES	Prime farmland
27C	GROVETON FINE SANDY LOAM, 8 TO 15 PERCENT SLOPES	Local Importance
27E	GROVETON FINE SANDY LOAM, 15 TO 60 PERCENT SLOPES	Not prime farmland
28A	MADAWASKA FINE SANDY LOAM, 0 TO 3 PERCENT SLOPES	Prime farmland
28B	MADAWASKA FINE SANDY LOAM, 3 TO 8 PERCENT SLOPES	Prime farmland
36A	ADAMS LOAMY SAND, 0 TO 3 PERCENT SLOPES	Local Importance
36B	ADAMS LOAMY SAND, 3 TO 8 PERCENT SLOPES	Local Importance
36C	ADAMS LOAMY SAND, 8 TO 15 PERCENT SLOPES	Not prime farmland
36E	ADAMS LOAMY SAND, 15 TO 60 PERCENT SLOPES	Not prime farmland
56B	BECKET FINE SANDY LOAM, 3 TO 8 PERCENT SLOPES	Prime farmland
56C	BECKET FINE SANDY LOAM, 8 TO 15 PERCENT SLOPES	Statewide Importance
56D	BECKET FINE SANDY LOAM, 15 TO 25 PERCENT SLOPES	Not prime farmland
57B	BECKET FINE SANDY LOAM, 3 TO 8 PERCENT SLOPES, VERY STONY	Local Importance
57C	BECKET FINE SANDY LOAM, 8 TO 15 PERCENT SLOPES, VERY STONY	Local Importance
57D	BECKET FINE SANDY LOAM, 15 TO 25 PERCENT SLOPES, VERY STONY	Not prime farmland
57E	BECKET FINE SANDY LOAM, 25 TO 35 PERCENT SLOPES, VERY STONY	Not prime farmland
59B	WAUMBEC LOAMY SAND, 3 TO 8 PERCENT SLOPES, VERY STONY	Not prime farmland
59C	WAUMBEC LOAMY SAND, 8 TO 15 PERCENT SLOPES, VERY STONY	Not prime farmland
61B	TUNBRIDGE-LYMAN-ROCK OUTCROP COMPLEX, 3 TO 8 PERCENT SLOPES	Not prime farmland
61C	TUNBRIDGE-LYMAN-ROCK OUTCROP COMPLEX, 8 TO 15 PERCENT SLOPES	Not prime farmland
61D	TUNBRIDGE-LYMAN-ROCK OUTCROP COMPLEX, 15 TO 25 PERCENT SLOPES	Not prime farmland
61E	TUNBRIDGE-LYMAN-ROCK OUTCROP COMPLEX, 25 TO 60 PERCENT SLOPES	Not prime farmland
62B	CHARLTON FINE SANDY LOAM, 3 TO 8 PERCENT SLOPES	Prime farmland
62C	CHARLTON FINE SANDY LOAM, 8 TO 15 PERCENT SLOPES	Statewide Importance
62D	CHARLTON FINE SANDY LOAM, 15 TO 25 PERCENT SLOPES	Not prime farmland
63B	CHARLTON FINE SANDY LOAM, 3 TO 8 PERCENT SLOPES, VERY STONY	Local Importance
63C	CHARLTON FINE SANDY LOAM, 8 TO 15 PERCENT SLOPES, VERY STONY	Local Importance
63D	CHARLTON FINE SANDY LOAM, 15 TO 25 PERCENT SLOPES, VERY STONY	Not prime farmland
63E	CHARLTON FINE SANDY LOAM, 25 TO 35 PERCENT SLOPES, VERY STONY	Not prime farmland
72B	BERKSHIRE LOAM, 3 TO 8 PERCENT SLOPES	Prime farmland
72C	BERKSHIRE LOAM, 8 TO 15 PERCENT SLOPES	Statewide Importance
72D	BERKSHIRE LOAM, 15 TO 25 PERCENT SLOPES	Not prime farmland
73B	BERKSHIRE LOAM, 3 TO 8 PERCENT SLOPES, VERY STONY	Local Importance
73C	BERKSHIRE LOAM, 8 TO 15 PERCENT SLOPES, VERY STONY	Local Importance
73D	BERKSHIRE LOAM, 15 TO 25 PERCENT SLOPES, VERY STONY	Not prime farmland
73E	BERKSHIRE LOAM, 25 TO 35 PERCENT SLOPES, VERY STONY	Not prime farmland
76B	MARLOW FINE SANDY LOAM, 3 TO 8 PERCENT SLOPES	Prime farmland
76C	MARLOW FINE SANDY LOAM, 8 TO 15 PERCENT SLOPES	Statewide Importance
76D	MARLOW FINE SANDY LOAM, 15 TO 25 PERCENT SLOPES	Not prime farmland
77B	MARLOW FINE SANDY LOAM, 3 TO 8 PERCENT SLOPE, VERY STONY	Local Importance
77C	MARLOW FINE SANDY LOAM, 8 TO 15 PERCENT SLOPES, VERY STONY	Local Importance
77D	MARLOW FINE SANDY LOAM, 15 TO 25 PERCENT SLOPES, VERY STONY	Not prime farmland
77E	MARLOW FINE SANDY LOAM, 25 TO 35 PERCENT SLOPES, VERY STONY	Not prime farmland

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Symbol	Map Unit Name	Farm Class
78B	PERU FINE SANDY LOAM, 3 TO 8 PERCENT SLOPES	Prime farmland
78C	PERU FINE SANDY LOAM, 8 TO 15 PERCENT SLOPES	Statewide Importance
79B	PERU FINE SANDY LOAM, 3 TO 8 PERCENT SLOPES, VERY STONY	Local Importance
79C	PERU FINE SANDY LOAM, 8 TO 15 PERCENT SLOPES, VERY STONY	Local Importance
79D	PERU FINE SANDY LOAM, 15 TO 25 PERCENT SLOPES, VERY STONY	Not prime farmland
90B	TUNBRIDGE-LYMAN COMPLEX, 3 TO 8 PERCENT SLOPES	Local Importance
90C	TUNBRIDGE-LYMAN COMPLEX, 8 TO 15 PERCENT SLOPES	Local Importance
90D	TUNBRIDGE-LYMAN COMPLEX, 15 TO 25 PERCENT SLOPES	Not prime farmland
101	ONDAWA FINE SANDY LOAM, FREQUENTLY FLOODED	Prime farmland
102	SUNDAY LOAMY SAND	Local Importance
104	PODUNK FINE SANDY LOAM	Prime farmland
105	RUMNEY LOAM	Local Importance
108	HADLEY SILT LOAM, OCCASIONALLY FLOODED	Prime farmland
109	LIMERICK SILT LOAM	Local Importance
114	WALPOLE-BINGHAMVILLE COMPLEX	Local Importance
130A	HITCHCOCK SILT LOAM, 0 TO 3 PERCENT SLOPES	Prime farmland
130B	HITCHCOCK SILT LOAM, 3 TO 8 PERCENT SLOPES	Statewide Importance
130C	HITCHCOCK SILT LOAM, 8 TO 15 PERCENT SLOPES	Local Importance
130E	HITCHCOCK SILT LOAM, 15 TO 60 PERCENT SLOPES	Not prime farmland
132A	DARTMOUTH SILT LOAM, 0 TO 3 PERCENT SLOPES	Prime farmland
132B	DARTMOUTH SILT LOAM, 3 TO 8 PERCENT SLOPES	Statewide Importance
173C	BERKSHIRE LOAM, 8 TO 15 PERCENT SLOPES, EXTREMELY STONY	Not prime farmland
173D	BERKSHIRE LOAM, 15 TO 25 PERCENT SLOPES, EXTREMELY STONY	Not prime farmland
173E	BERKSHIRE LOAM, 25 TO 35 PERCENT SLOPES, EXTREMELY STONY	Not prime farmland
201	ONDAWA FINE SANDY LOAM, OCCASIONALLY FLOODED	Prime farmland
254B	MONADNOCK AND HERMON SOILS, 3 TO 8 PERCENT SLOPES	Statewide Importance
254C	MONADNOCK AND HERMON SOILS, 8 TO 15 PERCENT SLOPES	Statewide Importance
254D	MONADNOCK AND HERMON SOILS, 15 TO 25 PERCENT SLOPES	Not prime farmland
255B	MONADNOCK AND HERMON SOILS, 3 TO 8 PERCENT, VERY STONY	Local Importance
255C	MONADNOCK AND HERMON SOILS, 8 TO 15 PERCENT, VERY STONY	Local Importance
255D	MONADNOCK AND HERMON SOILS, 15 TO 25 PERCENT SLOPES, VERY STONY	Not prime farmland
255E	MONADNOCK AND HERMON SOILS, 25 TO 35 PERCENT SLOPES, VERY STONY	Not prime farmland
295	GREENWOOD MUCKY PEAT	Not prime farmland
298	PITS, GRAVEL	Not prime farmland
299	UDORTHERENTS, SMOOTHED	Not prime farmland
310A	QUONSET LOAMY SAND, 0 TO 3 PERCENT SLOPES	Local Importance
310B	QUONSET LOAMY SAND, 3 TO 8 PERCENT SLOPES	Not prime farmland
310C	QUONSET LOAMY SAND, 8 TO 15 PERCENT SLOPES	Not prime farmland
310E	QUONSET LOAMY SAND, 15 TO 60 PERCENT SLOPES	Not prime farmland
313	DEERFIELD LOAMY FINE SAND	Statewide Importance
330B	BERNARDSTON SILT LOAM, 3 TO 8 PERCENT SLOPES	Prime farmland
330C	BERNARDSTON SILT LOAM, 8 TO 15 PERCENT SLOPES	Statewide Importance
330D	BERNARDSTON SILT LOAM, 15 TO 25 PERCENT SLOPES	Not prime farmland
331B	BERNARDSTON SILT LOAM, 3 TO 8 PERCENT SLOPES, VERY STONY	Local Importance
331C	BERNARDSTON SILT LOAM, 8 TO 15 PERCENT SLOPES, VERY STONY	Local Importance
331D	BERNARDSTON SILT LOAM, 15 TO 25 PERCENT SLOPES, VERY STONY	Not prime farmland
331E	BERNARDSTON SILT LOAM, 25 TO 35 PERCENT SLOPES, VERY STONY	Not prime farmland
334B	PITTSTOWN LOAM, 3 TO 8 PERCENT SLOPES	Prime farmland
334C	PITTSTOWN LOAM, 8 TO 15 PERCENT SLOPES	Statewide Importance
336B	PITTSTOWN LOAM, 3 TO 8 PERCENT SLOPES, VERY STONY	Local Importance
336C	PITTSTOWN LOAM, 8 TO 15 PERCENT SLOPES, VERY STONY	Local Importance
336D	PITTSTOWN LOAM, 15 TO 25 PERCENT SLOPES, VERY STONY	Not prime farmland
341A	STISSING SILT LOAM, 0 TO 3 PERCENT SLOPES, VERY STONY	Local Importance
341B	STISSING SILT LOAM, 3 TO 8 PERCENT SLOPES, VERY STONY	Not prime farmland
347A	LYME AND MOOSILAUKE SOILS, 0 TO 3 PERCENT SLOPES, VERY STONY	Not prime farmland
347B	LYME AND MOOSILAUKE SOILS, 3 TO 8 PERCENT SLOPES, VERY STONY	Not prime farmland
355C	HERMON FINE SANDY LOAM, 8 TO 15 PERCENT SLOPES, EXTREMELY BOULDERY	Not prime farmland
355D	HERMON FINE SANDY LOAM, 15 TO 25 PERCENT SLOPES, EXTREMELY BOULDERY	Not prime farmland
355E	HERMON FINE SANDY LOAM, 25 TO 35 PERCENT SLOPES, EXTREMELY BOULDERY	Not prime farmland
360B	CARDIGAN-KEARSARGE COMPLEX, 3 TO 8 PERCENT SLOPES	Local Importance
360C	CARDIGAN-KEARSARGE COMPLEX, 8 TO 15 PERCENT SLOPES	Local Importance
360D	CARDIGAN-KEARSARGE COMPLEX, 15 TO 25 PERCENT SLOPES	Not prime farmland
361B	CARDIGAN-KEARSARGE-ROCK OUTCROP COMPLEX, 3 TO 8 PERCENT SLOPES	Not prime farmland

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361C	CARDIGAN-KEARSARGE-ROCK OUTCROP COMPLEX, 8 TO 15 PERCENT SLOPES	Not prime farmland
361D	CARDIGAN-KEARSARGE-ROCK OUTCROP COMPLEX, 15 TO 25 PERCENT SLOPES	Not prime farmland
361E	CARDIGAN-KEARSARGE-ROCK OUTCROP COMPLEX, 25 TO 60 PERCENT SLOPES	Not prime farmland
395	CHOCORUA MUCKY PEAT	Not prime farmland
398	PITS, QUARRIES	Not prime farmland
401	OCCUM FINE SANDY LOAM, OCCASIONALLY FLOODED	Prime farmland
406	MEDOMAK SILT LOAM	Not prime farmland
534	BINGHAMVILLE SILT LOAM	Local Importance
558B	SKERRY FINE SANDY LOAM, 3 TO 8 PERCENT SLOPES	Prime farmland
559B	SKERRY FINE SANDY LOAM, 3 TO 8 PERCENT SLOPES, VERY STONY	Local Importance
559C	SKERRY FINE SANDY LOAM, 8 TO 15 PERCENT SLOPES, VERY STONY	Local Importance
559D	SKERRY FINE SANDY LOAM, 15 TO 25 PERCENT SLOPES, VERY STONY	Not prime farmland
613	CROGHAN LOAMY FINE SAND	Statewide Importance
614	KINSMAN SAND	Local Importance
632A	NICHOLVILLE VERY FINE SANDY LOAM, 0 TO 3 PERCENT SLOPES	Prime farmland
632B	NICHOLVILLE VERY FINE SANDY LOAM, 3 TO 8 PERCENT SLOPES	Statewide Importance
633	PEMI SILT LOAM	Local Importance
647A	PILLSBURY FINE SANDY LOAM, 0 TO 3 PERCENT SLOPES, VERY STONY	Local Importance
647B	PILLSBURY FINE SANDY LOAM, 3 TO 8 PERCENT SLOPES, VERY STONY	Not prime farmland
701B	BECKET-SKERRY ASSOCIATION, GENTLY SLOPING, VERY STONY	Local Importance
703D	BECKET-MONADNOCK ASSOCIATION, MODERATELY STEEP, VERY STONY	Not prime farmland
703E	BECKET-MONADNOCK ASSOCIATION, STEEP, VERY STONY	Not prime farmland
709D	BECKET-TUNBRIDGE ASSOCIATION, HILLY, VERY STONY	Not prime farmland
709E	BECKET-TUNBRIDGE ASSOCIATION, STEEP, VERY STONY	Not prime farmland
710D	BECKET-LYMAN-ROCK OUTCROP COMPLEX, HILLY	Not prime farmland
710E	BECKET-LYMAN-ROCK OUTCROP COMPLEX, STEEP	Not prime farmland
711B	MONADNOCK-HERMON ASSOCIATION, UNDULATING, VERY STONY	Not prime farmland
711D	MONADNOCK-HERMON ASSOCIATION, HILLY, VERY STONY	Not prime farmland
711E	MONADNOCK-HERMON ASSOCIATION, STEEP, VERY STONY	Not prime farmland
712B	HERMON-MONADNOCK ASSOCIATION, UNDULATING, EXTREMELY BOULDERY	Not prime farmland
712D	HERMON-MONADNOCK ASSOCIATION, HILLY, EXTREMELY BOULDERY	Not prime farmland
712E	HERMON-MONADNOCK ASSOCIATION, STEEP, EXTREMELY BOULDERY	Not prime farmland
713B	HERMON-WAUMBEEK ASSOCIATION, UNDULATING, VERY STONY	Not prime farmland
713D	HERMON-WAUMBEEK ASSOCIATION, HILLY, VERY STONY	Not prime farmland
717	LYME-PEACHAM ASSOCIATION, VERY STONY	Not prime farmland
719D	MARLOW-TUNBRIDGE ASSOCIATION, HILLY, VERY STONY	Not prime farmland
719E	MARLOW-TUNBRIDGE ASSOCIATION, STEEP, VERY STONY	Not prime farmland
720D	MARLOW-LYMAN-ROCK OUTCROP COMPLEX, HILLY	Not prime farmland
720E	MARLOW-LYMAN-ROCK OUTCROP COMPLEX, STEEP	Not prime farmland
721B	PERU-MARLOW ASSOCIATION, GENTLY SLOPING, VERY STONY	Local Importance
722D	MARLOW-BERKSHIRE ASSOCIATION, MODERATELY STEEP, VERY STONY	Not prime farmland
723B	PERU-PILLSBURY ASSOCIATION, GENTLY SLOPING, VERY STONY	Not prime farmland
724B	SKERRY-TUNBRIDGE ASSOCIATION, UNDULATING, VERY STONY	Not prime farmland
726D	ROCK OUTCROP-LYMAN COMPLEX, HILLY	Not prime farmland
726E	ROCK OUTCROP-LYMAN COMPLEX, STEEP	Not prime farmland
727	RUBBLE LAND	Not prime farmland
729B	WAUMBEEK-LYME ASSOCIATION, UNDULATING, VERY STONY	Not prime farmland
730B	SKERRY-LYMAN-ROCK OUTCROP COMPLEX, UNDULATING	Not prime farmland
731	PEACHAM AND OSSIPEE SOILS, VERY STONY	Not prime farmland
734D	SURPLUS-SISK ASSOCIATION, MODERATELY STEEP, VERY STONY	Not prime farmland
735E	SADDLEBACK-RICKER-ROCK OUTCROP COMPLEX, STEEP	Not prime farmland
740D	HERMON-REDSTONE ASSOCIATION, HILLY, VERY STONY	Not prime farmland
741D	REDSTONE-CANAAN-ROCK OUTCROP COMPLEX, HILLY	Not prime farmland
741E	REDSTONE-CANAAN-ROCK OUTCROP COMPLEX, STEEP	Not prime farmland
819B	PERU-TUNBRIDGE ASSOCIATION, UNDULATING, VERY STONY	Not prime farmland
	- Prime farmland	
	- Statewide Importance	
	- Local Importance	

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Symbol	Map Unit Name	Farm Class
	Definitions	
	Prime Farmland	
	<ul style="list-style-type: none"> • Soils that have an aquic or udic moisture regime and sufficient available water capacity within a depth of 40 inches to produce the commonly grown cultivated crops adapted to New Hampshire in 7 or more years out of 10. • Soils that are in the frigid or mesic temperature regime. • Soils that have a pH between 4.5 and 8.4 in all horizons within a depth of 40 inches. • Soils that have either no water table or have a water table that is maintained at a sufficient depth during the cropping season to allow cultivated crops common to New Hampshire to be grown. • Soils that have a saturation extract less than 4 mmhoc/cm and the exchangeable sodium percentage is less than 15 in all horizons within a depth of 40 inches. • Soils that are not frequently flooded during the growing season (less than a 50% chance in any year or the soil floods less than 50 years out of 100.) • The product of the erodibility factor times the percent slope is less than 2.0 and the product of soil erodibility and the climate factor does not exceed 60. • Soils that have a permeability rate of at least 0.06 inches per hour in the upper 20 inches. • Soils, that have less than 10 percent of the upper 6 inches consisting of, rock fragments larger than 3 inches in diameter. 	
	Farmland of Statewide Importance	
	<p>Land that is not prime or unique but is considered farmland of statewide importance for the production of food, feed, fiber, forage and oilseed crops. Criteria for defining and delineating farmland of statewide importance are determined by a state committee chaired by the Commissioner, New Hampshire Department of Agriculture, Markets and Food, with members representing the University of New Hampshire Cooperative Extension, New Hampshire Association of Conservation Districts and the New Hampshire Office of State Planning. The NRCS State Soil Scientist serves on this committee in an advisory capacity. The original criteria were established on June 20, 1983. It was updated on December 7, 2000.</p> <p>Soils of statewide importance are soils that are not prime or unique and:</p> <ul style="list-style-type: none"> • Have slopes of less than 15 percent • Are not stony, very stony or bouldery • Are not somewhat poorly, poorly or very poorly drained • Includes soil complexes comprised of less than 30 percent shallow soils and rock outcrop and slopes do not exceed 8 percent. • Are not excessively drained soils developed in stratified glacial drift, generally having low available water holding capacity. 	
	Farmland of Local Importance	
	<p>Farmland of local importance is farmland that is not prime, unique or of statewide importance, but has local significance for the production of food, feed, fiber and forage. Criteria for the identification and delineation of local farmland is determined on a county-wide basis by the individual County Conservation District Boards. The original criteria were established on June 20, 1983. Updates are noted according to the county initiating the update. The criteria for soils of local importance is as follows:</p> <p>Grafton County</p> <ul style="list-style-type: none"> • Specific soil map units identified from the NRCS county soil survey legend, as determined by the Conservation District Board. 	