

Hydrologic Soil Group

Hydrologic Soil Group— Summary by Map Unit — Windham County, Vermont (VT025)				
Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
1A	Unadilla silt loam, 0 to 3 percent slopes	B	—	—
1B	Unadilla silt loam, 3 to 8 percent slopes	B	—	—
1C	Unadilla silt loam, 8 to 15 percent slopes	B	—	—
1D	Unadilla silt loam, 15 to 25 percent slopes	B	—	—
1E	Udorthents, steep	B	—	—
2A	Belgrade silt loam, 0 to 3 percent slopes	B/D	—	—
3B	Quonset and Warwick soils, 2 to 8 percent slopes	A	—	—
3C	Quonset and Warwick soils, 8 to 15 percent slopes	A	—	—
3D	Quonset and Warwick soils, 15 to 25 percent slopes	A	—	—
3E	Quonset and Warwick soils, 25 to 70 percent slopes	A	—	—
5B	Windsor loamy sand, 3 to 8 percent slopes	A	—	—
5C	Windsor loamy sand, 8 to 15 percent slopes	A	—	—
5D	Windsor loamy sand, 15 to 25 percent slopes	A	—	—
5E	Windsor loamy sand, 25 to 60 percent slopes	A	—	—
9B	Deerfield fine sandy loam, 2 to 8 percent slopes	B	—	—
10A	Agawam fine sandy loam, 0 to 3 percent slopes	B	—	—
10B	Agawam fine sandy loam, 3 to 8 percent slopes	B	—	—
11B	Berkshire and Monadnock fine sandy loams, 3 to 8 percent slopes	B	—	—

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11C	Berkshire and Monadnock fine sandy loams, 8 to 15 percent slopes	B	—	—
11D	Berkshire and Monadnock fine sandy loams, 15 to 25 percent slopes	B	—	—
12C	Stratton-Glebe complex, 8 to 15 percent slopes, very rocky	D	—	—
12D	Stratton-Glebe complex, 15 to 25 percent slopes, very rocky	D	—	—
12E	Stratton-Glebe complex, 25 to 50 percent slopes, very rocky	D	—	—
16B	Adams loamy fine sand, 2 to 8 percent slopes	A	—	—
16C	Adams loamy fine sand, 8 to 15 percent slopes	A	—	—
16D	Adams loamy fine sand, 15 to 25 percent slopes	A	—	—
16E	Adams loamy fine sand, 25 to 50 percent slopes	A	—	—
17B	Worden loam, 3 to 8 percent slopes	D	—	—
17C	Worden loam, 8 to 15 percent slopes	D	—	—
18B	Worden loam, 3 to 8 percent slopes, very bouldery	D	—	—
18C	Worden loam, 8 to 15 percent slopes, very bouldery	D	—	—
18D	Worden loam, 15 to 25 percent slopes, very bouldery	D	—	—
20B	Tunbridge-Lyman complex, 0 to 8 percent slopes, very rocky	D	—	—
20C	Tunbridge-Lyman complex, 8 to 15 percent slopes, very rocky	D	—	—
20D	Tunbridge-Lyman complex, 15 to 25 percent slopes, very rocky	C	—	—

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Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
20E	Tunbridge-Lyman complex, 25 to 60 percent slopes, very rocky	C	—	—
21B	Marlow fine sandy loam, 3 to 8 percent slopes	C	—	—
21C	Marlow fine sandy loam, 8 to 15 percent slopes	C	—	—
21D	Marlow fine sandy loam, 15 to 25 percent slopes	C	—	—
22B	Marlow fine sandy loam, 0 to 8 percent slopes, very stony	C	—	—
22C	Marlow fine sandy loam, 8 to 15 percent slopes, very stony	C	—	—
22D	Marlow fine sandy loam, 15 to 25 percent slopes, very stony	C	—	—
22E	Marlow fine sandy loam, 25 to 50 percent slopes, very stony	C	—	—
23	Ondawa fine sandy loam, 0 to 3 percent slopes, occasionally flooded	B	—	—
24	Podunk fine sandy loam, 0 to 3 percent slopes, occasionally flooded	B/D	—	—
25B	Westbury fine sandy loam, 3 to 8 percent slopes	D	—	—
25C	Westbury fine sandy loam, 8 to 15 percent slopes	D	—	—
26B	Westbury fine sandy loam, 3 to 8 percent slopes, very stony	D	—	—
26C	Westbury fine sandy loam, 8 to 15 percent slopes, very stony	D	—	—
26D	Westbury fine sandy loam, 15 to 25 percent slopes, very stony	D	—	—
29	Walpole sandy loam, 0 to 3 percent slopes	B/D	—	—
31B	Wilmington sandy loam, 0 to 8 percent slopes, very stony	D	—	—

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Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
33	Rumney fine sandy loam, 0 to 3 percent slopes, frequently flooded	B/D	—	—
34C	Lyman-Rock outcrop complex, 8 to 15 percent slopes	D	—	—
34D	Lyman-Rock outcrop complex, 15 to 25 percent slopes	D	—	—
34E	Lyman-Rock outcrop complex, 25 to 50 percent slopes	D	—	—
37	Hadley silt loam	B	—	—
39	Winooski silt loam	C	—	—
40	Limerick silt loam	B/D	—	—
41D	Londonderry-Stratton silt loams, 8 to 25 percent slopes, very rocky	D	—	—
41E	Londonderry-Stratton silt loams, 25 to 70 percent slopes, very rocky	D	—	—
43B	Mundal fine sandy loam, 3 to 8 percent slopes	C	—	—
43C	Mundal fine sandy loam, 8 to 15 percent slopes	C	—	—
43D	Mundal fine sandy loam, 15 to 25 percent slopes	C	—	—
44B	Mundal fine sandy loam, 3 to 8 percent slopes, very stony	C	—	—
44C	Mundal fine sandy loam, 8 to 15 percent slopes, very stony	C	—	—
44D	Mundal fine sandy loam, 15 to 25 percent slopes, very stony	C	—	—
44E	Mundal fine sandy loam, 25 to 50 percent slopes, very stony	C	—	—
46B	Berkshire and Monadnock fine sandy loams, 3 to 8 percent slopes, very stony	B	—	—
46C	Berkshire and Monadnock fine sandy loams, 8 to 15 percent slopes, very stony	B	—	—

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46D	Berkshire and Monadnock fine sandy loams, 15 to 25 percent slopes, very stony	B	—	—
46E	Berkshire and Monadnock fine sandy loams, 25 to 50 percent slopes, very stony	B	—	—
47	Lupton mucky peat	A/D	—	—
48B	Rawsonville-Hogback fine sandy loams, 3 to 8 percent slopes rocky	C	—	—
48C	Rawsonville-Hogback fine sandy loams, 8 to 15 percent slopes, rocky	C	—	—
48D	Rawsonville-Hogback fine sandy loams, 15 to 25 percent slopes, rocky	D	—	—
48E	Rawsonville-Hogback fine sandy loams, 25 to 50 percent slopes, rocky	C	—	—
49B	Houghtonville-Rawsonville fine sandy loams, 3 to 8 percent slopes, very bouldery	B	—	—
49C	Houghtonville-Rawsonville fine sandy loams, 8 to 15 percent slopes, very bouldery	B	—	—
49D	Houghtonville-Rawsonville fine sandy loams, 15 to 25 percent slopes, very bouldery	B	—	—
49E	Houghtonville-Rawsonville fine sandy loams, 25 to 50 percent slopes, very bouldery	B	—	—
50B	Colton loamy fine sand, 2 to 8 percent slopes	A	—	—
50C	Colton loamy fine sand, 8 to 15 percent slopes	A	—	—
50D	Colton loamy fine sand, 15 to 25 percent slopes	A	—	—

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50E	Colton loamy fine sand, 25 to 60 percent slopes	A	—	—
52A	Sheepscot fine sandy loam, 0 to 3 percent slopes	B	—	—
52B	Sheepscot fine sandy loam, 3 to 8 percent slopes	B	—	—
56B	Monadnock fine sandy loam, 3 to 8 percent slopes, very stony	B	—	—
56C	Monadnock fine sandy loam, 8 to 15 percent slopes, very stony	B	—	—
56D	Monadnock fine sandy loam, 15 to 25 percent slopes, very stony	B	—	—
56E	Monadnock fine sandy loam, 25 to 50 percent slopes, very stony	B	—	—
60B	Houghtonville fine sandy loam, 3 to 8 percent slopes	B	—	—
60C	Houghtonville fine sandy loam, 8 to 15 percent slopes	B	—	—
60D	Houghtonville fine sandy loam, 15 to 25 percent slopes	B	—	—
61B	Houghtonville fine sandy loam, 3 to 8 percent slopes, very stony	B	—	—
61C	Houghtonville fine sandy loam, 8 to 15 percent slopes, very stony	B	—	—
61D	Houghtonville fine sandy loam, 15 to 25 percent slopes, very stony	B	—	—
61E	Houghtonville fine sandy loam, 25 to 50 percent slopes, very stony	B	—	—
62	Markey muck	A/D	—	—
63C	Berkshire-Tunbridge fine sandy loams, 8 to 15 percent slopes, very stony	B	—	—
63D	Berkshire-Tunbridge fine sandy loams, 15 to 25 percent slopes, very stony	C	—	—

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63E	Berkshire-Tunbridge fine sandy loams, 25 to 50 percent slopes, very stony	B	—	—
64	Udifluvents, loamy	A	—	—
65C	Hogback-Rawsonville fine sandy loams, 8 to 15 percent slopes, very rocky	D	—	—
65D	Hogback-Rawsonville fine sandy loams, 15 to 25 percent slopes, very rocky	D	—	—
65E	Hogback-Rawsonville fine sandy loams, 25 to 50 percent slopes, very rocky	D	—	—
66B	Houghtonville-Rawsonville fine sandy loams, 3 to 8 percent slopes, rocky	B	—	—
66C	Houghtonville-Rawsonville fine sandy loams, 8 to 15 percent slopes, rocky	B	—	—
67B	Berkshire-Tunbridge fine sandy loams, 3 to 8 percent slopes, rocky	B	—	—
67C	Berkshire-Tunbridge fine sandy loams, 8 to 15 percent slopes, rocky	B	—	—
68D	Taconic-Hubbardton-Rock outcrop complex, 8 to 25 percent slopes	D	—	—
68E	Taconic-Hubbardton-Rock outcrop complex, 25 to 70 percent slopes	D	—	—
69C	Macomber-Taconic complex, 8 to 15 percent slopes, very rocky	C	—	—
69D	Macomber-Taconic complex, 15 to 25 percent slopes, very rocky	C	—	—
69E	Macomber-Taconic complex, 25 to 70 percent slopes, very rocky	C	—	—

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Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
70C	Dummerston-Macomber complex, 8 to 15 percent slopes, very stony	B	—	—
70D	Dummerston-Macomber complex, 15 to 25 percent slopes, very stony	B	—	—
70E	Dummerston-Macomber complex, 25 to 70 percent slopes very stony	B	—	—
71B	Dummerston silt loam, 3 to 8 percent slopes	B	—	—
71C	Dummerston silt loam, 8 to 15 percent slopes	B	—	—
71D	Dummerston silt loam, 15 to 25 percent slopes	B	—	—
72C	Dummerston silt loam, 8 to 15 percent slopes, very stony	B	—	—
72D	Dummerston silt loam, 15 to 25 percent slopes, very stony	B	—	—
72E	Dummerston silt loam, 25 to 70 percent slopes, very stony	B	—	—
73B	Fullam silt loam, 3 to 8 percent slopes	C	—	—
73C	Fullam silt loam, 8 to 15 percent slopes	C	—	—
73D	Fullam silt loam, 15 to 25 percent slopes	C	—	—
74B	Fullam silt loam, 3 to 8 percent slopes, very stony	C	—	—
74C	Fullam silt loam, 8 to 15 percent slopes, very stony	C	—	—
74D	Fullam silt loam, 15 to 25 percent slopes, very stony	C	—	—
74E	Fullam silt loam, 25 to 35 percent slopes, very stony	C	—	—
75B	Brayton silt loam, 2 to 8 percent slopes, very stony	D	—	—

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76B	Dummerston-Macomber complex, 3 to 8 percent slopes, rocky	B	—	—
76C	Dummerston-Macomber complex, 8 to 15 percent slopes, rocky	B	—	—
W	Water		—	—
Totals for Area of Interest			510,961.7	100.0%

Description

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The soils in the United States are assigned to four groups (A, B, C, and D) and three dual classes (A/D, B/D, and C/D). The groups are defined as follows:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter is for drained areas and the second is for undrained areas. Only the soils that in their natural condition are in group D are assigned to dual classes.

Rating Options

Aggregation Method: Dominant Condition

Component Percent Cutoff: None Specified

Tie-break Rule: Higher