

Hydrologic Soil Group

Hydrologic Soil Group— Summary by Map Unit — Windsor County, Vermont (VT027)				
Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
1B	Hitchcock silt loam, 3 to 8 percent slopes	C	—	—
1C	Hitchcock silt loam, 8 to 15 percent slopes	C	—	—
1D	Hitchcock silt loam, 15 to 25 percent slopes	C	—	—
1E	Hitchcock silt loam, 25 to 50 percent slopes, eroded	C	—	—
2A	Belgrade silt loam, 0 to 3 percent slopes	B/D	—	—
2B	Belgrade silt loam, 3 to 8 percent slopes	B/D	—	—
3	Pits, quarry-Dumps, mine complex		—	—
4A	Raynham silt loam, 0 to 3 percent slopes	C/D	—	—
5B	Windsor loamy sand, 0 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	—	—
8A	Agawam fine sandy loam, 0 to 3 percent slopes	B	—	—
8B	Agawam fine sandy loam, 3 to 8 percent slopes	B	—	—
9B	Ninigret fine sandy loam, 0 to 8 percent slopes	C	—	—
10C	Marlow fine sandy loam, 8 to 15 percent slopes	C	—	—
10D	Marlow fine sandy loam, 15 to 25 percent slopes	C	—	—
11C	Marlow fine sandy loam, 8 to 15 percent slopes, very stony	C	—	—
11D	Marlow fine sandy loam, 15 to 35 percent slopes, very stony	C	—	—

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Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
11E	Marlow fine sandy loam, 35 to 60 percent slopes, very stony	C	—	—
12C	Tunbridge-Lyman complex, 8 to 15 percent slopes, very rocky	D	—	—
12D	Tunbridge-Lyman complex, 15 to 35 percent slopes, very rocky	C	—	—
12E	Tunbridge-Lyman complex, 35 to 60 percent slopes, very rocky	C	—	—
14B	Hinckley sandy loam, 0 to 8 percent slopes	A	—	—
14C	Hinckley sandy loam, 8 to 15 percent slopes	A	—	—
14D	Hinckley sandy loam, 15 to 25 percent slopes	A	—	—
14E	Hinckley sandy loam, 25 to 50 percent slopes	A	—	—
15B	Dummerston fine sandy loam, 3 to 8 percent slopes	B	—	—
15C	Dummerston fine sandy loam, 8 to 15 percent slopes	B	—	—
15D	Dummerston fine sandy loam, 15 to 25 percent slopes	B	—	—
16C	Dummerston fine sandy loam, 8 to 15 percent slopes, very stony	B	—	—
16D	Dummerston fine sandy loam, 15 to 35 percent slopes, very stony	B	—	—
16E	Dummerston fine sandy loam, 35 to 60 percent slopes, very stony	B	—	—
17B	Peru, Skerry, and Colonel soils, 3 to 8 percent slopes	C	—	—
17C	Peru, Skerry, and Colonel soils, 8 to 15 percent slopes	C	—	—
17D	Peru, Skerry, and Colonel soils, 15 to 25 percent slopes	C	—	—

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Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
18B	Peru, Skerry, and Colonel soils, 3 to 8 percent slopes, very stony	C	—	—
18C	Peru, Skerry, and Colonel soils, 8 to 15 percent slopes, very stony	C	—	—
18D	Peru, Skerry, and Colonel soils, 15 to 35 percent slopes, very stony	C	—	—
19B	Vershire-Dummerston complex, 3 to 8 percent slopes, rocky	C	—	—
19C	Vershire-Dummerston complex, 8 to 15 percent slopes, rocky	C	—	—
19D	Vershire-Dummerston complex, 15 to 25 percent slopes, rocky	C	—	—
19E	Vershire-Dummerston complex, 25 to 60 percent slopes, rocky	C	—	—
20C	Glover-Vershire complex, 3 to 15 percent slopes, very rocky	D	—	—
20D	Glover-Vershire complex, 15 to 35 percent slopes, very rocky	D	—	—
20E	Glover-Vershire complex, 35 to 60 percent slopes, very rocky	D	—	—
21B	Shelburne fine sandy loam, 3 to 8 percent slopes	C	—	—
21C	Shelburne fine sandy loam, 8 to 15 percent slopes	C	—	—
21D	Shelburne fine sandy loam, 15 to 25 percent slopes	C	—	—
22B	Shelburne fine sandy loam, 3 to 8 percent slopes, very stony	C	—	—
22C	Shelburne fine sandy loam, 8 to 15 percent slopes, very stony	C	—	—

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22D	Shelburne fine sandy loam, 15 to 35 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	Buckland loam, 3 to 8 percent slopes	C/D	—	—
25C	Buckland loam, 8 to 15 percent slopes	C/D	—	—
25D	Buckland loam, 15 to 25 percent slopes	C/D	—	—
26B	Buckland loam, 0 to 8 percent slopes, very stony	D	—	—
26C	Buckland loam, 8 to 15 percent slopes, very stony	D	—	—
26D	Buckland loam, 15 to 35 percent slopes, very stony	D	—	—
26E	Buckland loam, 35 to 60 percent slopes, very stony	D	—	—
28	Udorthents and Udipsamments	A	—	—
29A	Grange very fine sandy loam, 0 to 3 percent slopes	B/D	—	—
30B	Cabot silt loam, 0 to 8 percent slopes	D	—	—
30C	Cabot silt loam, 8 to 15 percent slopes	D	—	—
31B	Cabot silt loam, 0 to 8 percent slopes, very stony	D	—	—
31C	Cabot silt loam, 8 to 15 percent slopes, very stony	D	—	—
32B	Urban land-Windsor-Agawam complex, 0 to 8 percent slopes	D	—	—
33	Rumney fine sandy loam, 0 to 3 percent slopes, frequently flooded	B/D	—	—

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Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
36C	Teago-Pomfret complex, 8 to 15 percent slopes, rocky	A	—	—
36D	Teago-Pomfret complex, 15 to 25 percent slopes, rocky	A	—	—
36E	Teago-Pomfret complex, 25 to 50 percent slopes, rocky	A	—	—
38	Hadley very fine sandy loam, 0 to 3 percent slopes, occasionally flooded	B	—	—
39	Winooski silt loam, 0 to 3 percent slopes, occasionally flooded	C	—	—
40	Limerick silt loam, 0 to 2 percent slopes, frequently flooded	B/D	—	—
41	Saco silt loam, 0 to 2 percent slopes, frequently flooded	B/D	—	—
42D	Lyman-Rock outcrop complex, 15 to 35 percent slopes	D	—	—
42F	Lyman-Rock outcrop complex, 35 to 60 percent slopes	D	—	—
43D	Hogback-Rock outcrop-Rawsonville complex, 15 to 35 percent slopes, very bouldery	D	—	—
43F	Hogback-Rock outcrop-Rawsonville complex, 35 to 70 percent slopes, very bouldery	D	—	—
45B	Eldridge fine sandy loam, 3 to 8 percent slopes	C/D	—	—
45C	Eldridge fine sandy loam, 8 to 15 percent slopes	C/D	—	—
45D	Eldridge fine sandy loam, 15 to 25 percent slopes	C/D	—	—
45E	Eldridge fine sandy loam, 25 to 50 percent slopes	C/D	—	—
47	Pondicherry and Wonsqueak mucks, ponded	A/D	—	—
48	Pits, Sand, and Pits, gravel		—	—

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Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
49B	Vershire-Buckland complex, 3 to 8 percent slopes	C	—	—
49C	Vershire-Buckland complex, 8 to 15 percent slopes	C	—	—
49D	Vershire-Buckland complex, 15 to 25 percent slopes	C	—	—
54B	Tunbridge-Lyman complex, 3 to 8 percent slopes, rocky	C	—	—
54C	Tunbridge-Lyman complex, 8 to 15 percent slopes, rocky	C	—	—
54D	Tunbridge-Lyman complex, 15 to 25 percent slopes, rocky	C	—	—
56	Bucksport muck, ponded	A/D	—	—
58C	Berkshire-Tunbridge complex, 8 to 15 percent slopes, very stony	C	—	—
58D	Berkshire-Tunbridge complex, 15 to 35 percent slopes, very stony	C	—	—
58E	Berkshire-Tunbridge complex, 35 to 50 percent slopes, very stony	C	—	—
59C	Rawsonville-Houghtonville complex, 8 to 15 percent slopes, rocky	C	—	—
59D	Rawsonville-Houghtonville complex, 15 to 35 percent slopes, rocky	C	—	—
59E	Rawsonville-Houghtonville complex, 35 to 60 percent slopes, rocky	C	—	—
60D	Glebe-Stratton complex, 15 to 35 percent slopes, very stony	B	—	—
60F	Glebe-Stratton complex, 35 to 70 percent slopes, very stony	B	—	—

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Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
61D	Ricker-Londonderry-Stratton complex, 15 to 35 percent slopes, very rocky	D	—	—
61F	Ricker-Londonderry-Stratton complex, 35 to 70 percent slopes, very rocky	D	—	—
62C	Hogback-Rawsonville complex, 8 to 15 percent slopes, very rocky	D	—	—
62D	Hogback-Rawsonville complex, 15 to 35 percent slopes, very rocky	D	—	—
62E	Hogback-Rawsonville complex, 35 to 60 percent slopes, very rocky	D	—	—
63C	Berkshire and Monadnock fine sandy loams, 8 to 15 percent slopes, very stony	B	—	—
63D	Berkshire and Monadnock fine sandy loams, 15 to 35 percent slopes, very stony	B	—	—
63E	Berkshire and Monadnock fine sandy loams, 35 to 60 percent slopes, very stony	B	—	—
64B	Colton fine sandy loam, 3 to 8 percent slopes	A	—	—
64C	Colton fine sandy loam, 8 to 15 percent slopes	A	—	—
64D	Colton fine sandy loam, 15 to 25 percent slopes	A	—	—
64E	Colton fine sandy loam, 25 to 60 percent slopes	A	—	—
68B	Berkshire and Monadnock fine sandy loams, 3 to 8 percent slopes	B	—	—
68C	Berkshire and Monadnock fine sandy loams, 8 to 15 percent slopes	B	—	—

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68D	Berkshire and Monadnock fine sandy loams, 15 to 25 percent slopes	B	—	—
70B	Adams loamy fine sand, 3 to 8 percent slopes	A	—	—
70C	Adams loamy fine sand, 8 to 15 percent slopes	A	—	—
70D	Adams loamy fine sand, 15 to 25 percent slopes	A	—	—
70E	Adams loamy fine sand, 25 to 60 percent slopes	A	—	—
71B	Croghan and Sheepscot fine sandy loams, 0 to 8 percent slopes	B	—	—
71C	Croghan and Sheepscot fine sandy loams, 8 to 15 percent slopes	B	—	—
74C	Mundal fine sandy loam, 8 to 15 percent slopes, very stony	C	—	—
74D	Mundal fine sandy loam, 15 to 35 percent slopes, very stony	C	—	—
75B	Urban land-Colton-Croghan complex, 0 to 8 percent slopes		—	—
79D	Dummerston-Macomber complex, 15 to 25 percent slopes, very stony	B	—	—
80C	Macomber-Taconic complex, 8 to 15 percent slopes, very rocky	C	—	—
80D	Macomber-Taconic complex, 15 to 25 percent slopes, very rocky	C	—	—
80F	Macomber-Taconic complex, 25 to 70 percent slopes, very rocky	C	—	—
81D	Taconic-Hubbardton-Rock outcrop complex, 8 to 25 percent slopes	D	—	—
81F	Taconic-Hubbardton-Rock outcrop complex, 25 to 70 percent slopes	D	—	—

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82	Udfluvents, cobbly, frequently flooded	A	—	—
85B	Fullam silt loam, 3 to 8 percent slopes	C	—	—
85C	Fullam silt loam, 8 to 15 percent slopes	C	—	—
85D	Fullam silt loam, 15 to 25 percent slopes	C	—	—
86C	Fullam silt loam, 8 to 15 percent slopes, very stony	C	—	—
86D	Fullam silt loam, 15 to 35 percent slopes, very stony	C	—	—
89C	Dummerston-Macomber complex, 8 to 15 percent slopes, rocky	B	—	—
95B	Nicholville-Adams complex, 3 to 8 percent slopes	B/D	—	—
95D	Nicholville-Adams complex, 15 to 25 percent slopes	B/D	—	—
95E	Nicholville-Adams complex, 25 to 60 percent slopes	B/D	—	—
202E	Rawsonville-Hogback-Houghtonville complex, 8 to 60 percent slopes, very rocky	D	—	—
203D	Peru-Colonel-Marlow association, 3 to 35 percent slopes, very stony	C	—	—
213F	Stratton-Ricker-Glebe complex, 15 to 70 percent slopes, very rocky	D	—	—
403B	Cabot-Pondicherry-Wonsqueak association, 0 to 8 percent slopes, very stony	D	—	—
415D	Tunbridge-Berkshire-Lyman complex, 8 to 50 percent slopes, rocky	C	—	—
425D	Peru-Tunbridge-Berkshire complex, 8 to 35 percent slopes, rocky	C	—	—

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505D	Peru-Berkshire-Colton association, 3 to 35 percent slopes, very stony	C	—	—
702F	Hogback-Ricker-Rock outcrop complex, 15 to 70 percent slopes, very stony	D	—	—
705D	Rawsonville-Houghtonville-Mundal complex, 8 to 50 percent slopes, rocky	C	—	—
W	Water		—	—
Totals for Area of Interest			625,310.3	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