

## Hydrologic Soil Group

Hydrologic Soil Group— Summary by Map Unit — Caledonia County, Vermont (VT005)				
Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
3A	Charles silt loam, 0 to 2 percent slopes, frequently flooded	B/D	—	—
4A	Medomak mucky silt loam, 0 to 2 percent slopes, frequently flooded	B/D	—	—
6A	Adams loamy fine sand, 0 to 3 percent slopes	A	—	—
6B	Adams loamy fine sand, 3 to 8 percent slopes	A	—	—
6C	Adams loamy fine sand, 8 to 15 percent slopes	A	—	—
6D	Adams loamy fine sand, 15 to 25 percent slopes	A	—	—
6E	Adams loamy fine sand, 25 to 60 percent slopes	A	—	—
7B	Salmon very fine sandy loam, 3 to 8 percent slopes	B	—	—
7C	Salmon very fine sandy loam, 8 to 15 percent slopes	B	—	—
7D	Salmon very fine sandy loam, 15 to 25 percent slopes	B	—	—
7E	Salmon very fine sandy loam, 25 to 50 percent slopes	B	—	—
8A	Nicholville very fine sandy loam, 0 to 3 percent slopes	C	—	—
8B	Nicholville very fine sandy loam, 3 to 8 percent slopes	B/D	—	—
8C	Nicholville very fine sandy loam, 8 to 15 percent slopes	C	—	—
8D	Nicholville very fine sandy loam, 15 to 25 percent slopes	C	—	—
9A	Roundabout silt loam, 0 to 3 percent slopes	C/D	—	—

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11A	Sheepscot gravelly fine sandy loam, 0 to 3 percent slopes	A/D	—	—
11B	Sheepscot gravelly fine sandy loam, 3 to 8 percent slopes	A/D	—	—
12A	Moosilauke very fine sandy loam, 0 to 3 percent slopes	A/D	—	—
14B	Vershire-Lombard complex, 3 to 8 percent slopes, rocky	C	—	—
14C	Vershire-Lombard complex, 8 to 15 percent slopes, rocky	C	—	—
14D	Vershire-Lombard complex, 15 to 25 percent slopes, rocky	C	—	—
14E	Vershire-Lombard complex, 25 to 35 percent slopes, rocky	C	—	—
16B	Dummerston very fine sandy loam, 3 to 8 percent slopes	B	—	—
16C	Dummerston very fine sandy loam, 8 to 15 percent slopes	B	—	—
16D	Dummerston very fine sandy loam, 15 to 25 percent slopes	B	—	—
16E	Dummerston very fine sandy loam, 25 to 35 percent slopes	B	—	—
17B	Dummerston very fine sandy loam, 3 to 8 percent slopes, very stony	B	—	—
17C	Dummerston very fine sandy loam, 8 to 15 percent slopes, very stony	B	—	—
17D	Dummerston very fine sandy loam, 15 to 35 percent slopes, very stony	B	—	—
17E	Dummerston very fine sandy loam, 35 to 60 percent slopes, very stony	B	—	—
20B	Buckland loam, 3 to 8 percent slopes	C/D	—	—

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20C	Buckland loam, 8 to 15 percent slopes	C/D	—	—
20D	Buckland loam, 15 to 25 percent slopes	C/D	—	—
21B	Buckland loam, 0 to 8 percent slopes, very stony	D	—	—
21C	Buckland loam, 8 to 15 percent slopes, very stony	D	—	—
21D	Buckland loam, 15 to 35 percent slopes, very stony	D	—	—
21E	Buckland loam, 35 to 60 percent slopes, very stony	D	—	—
22B	Cabot silt loam, 3 to 8 percent slopes	D	—	—
22C	Cabot silt loam, 8 to 15 percent slopes	D	—	—
23B	Cabot silt loam, 0 to 8 percent slopes, very stony	D	—	—
23C	Cabot silt loam, 8 to 15 percent slopes, very stony	D	—	—
24A	Peacham mucky peat, 0 to 8 percent slopes, very stony	D	—	—
27A	Bucksport muck, 0 to 2 percent slopes	A/D	—	—
30A	Ondawa-Sunday complex, 0 to 2 percent slopes, occasionally flooded	A	—	—
31A	Podunk fine sandy loam, 0 to 3 percent slopes, occasionally flooded	B/D	—	—
32A	Colton-Duxbury complex, 0 to 3 percent slopes	A	—	—
32B	Colton-Duxbury complex, 3 to 8 percent slopes	A	—	—
32C	Colton-Duxbury complex, 8 to 15 percent slopes	A	—	—
32D	Colton-Duxbury complex, 15 to 25 percent slopes	A	—	—

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32E	Colton-Duxbury complex, 25 to 60 percent slopes	A	—	—
38A	Croghan loamy fine sand, 0 to 3 percent slopes	A/D	—	—
38B	Croghan loamy fine sand, 3 to 8 percent slopes	A/D	—	—
42A	Rumney fine sandy loam, 0 to 3 percent slopes, frequently flooded	B/D	—	—
46B	Lamoine silt loam, 3 to 8 percent slopes	C/D	—	—
46C	Lamoine silt loam, 8 to 15 percent slopes	C/D	—	—
46D	Lamoine silt loam, 15 to 25 percent slopes	C/D	—	—
46E	Lamoine silt loam, 25 to 50 percent slopes	C/D	—	—
47A	Scantic silt loam, 0 to 3 percent slopes	D	—	—
50A	Wonsqueak and Pondicherry mucks, 0 to 2 percent slopes	A/D	—	—
56B	Vershire-Glover complex, 3 to 8 percent slopes, very rocky	C	—	—
56C	Vershire-Glover complex, 8 to 15 percent slopes, very rocky	C	—	—
56D	Vershire-Glover complex, 15 to 35 percent slopes, very rocky	C	—	—
56E	Vershire-Glover complex, 35 to 60 percent slopes, very rocky	C	—	—
58C	Tunbridge-Lyman complex, 8 to 15 percent slopes, rocky	C	—	—
58D	Tunbridge-Lyman complex, 15 to 25 percent slopes, rocky	C	—	—
61B	Tunbridge-Lyman complex, 0 to 8 percent slopes, very rocky	D	—	—

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Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
61C	Tunbridge-Lyman complex, 8 to 15 percent slopes, very rocky	D	—	—
61D	Tunbridge-Lyman complex, 15 to 35 percent slopes, very rocky	C	—	—
61E	Tunbridge-Lyman complex, 35 to 60 percent slopes, very rocky	C	—	—
63B	Tunbridge-Monadnock complex, 3 to 8 percent slopes, rocky	C	—	—
63C	Tunbridge-Monadnock complex, 8 to 15 percent slopes, rocky	C	—	—
63D	Tunbridge-Monadnock complex, 15 to 25 percent slopes, rocky	C	—	—
72B	Colonel-Cabot complex, 3 to 8 percent slopes	D	—	—
72C	Colonel-Cabot complex, 8 to 15 percent slopes	D	—	—
72D	Colonel-Cabot complex, 15 to 25 percent slopes	D	—	—
73B	Colonel-Cabot complex, 3 to 8 percent slopes, very stony	D	—	—
73C	Colonel-Cabot complex, 8 to 15 percent slopes, very stony	D	—	—
73D	Colonel-Cabot complex, 15 to 35 percent slopes, very stony	D	—	—
74B	Monadnock fine sandy loam, 3 to 8 percent slopes	B	—	—
74C	Monadnock fine sandy loam, 8 to 15 percent slopes	B	—	—
74D	Monadnock fine sandy loam, 15 to 25 percent slopes	B	—	—
75B	Monadnock fine sandy loam, 3 to 8 percent slopes, very stony	B	—	—
75C	Monadnock fine sandy loam, 8 to 15 percent slopes, very stony	B	—	—

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75D	Monadnock fine sandy loam, 15 to 35 percent slopes, very stony	B	—	—
75E	Monadnock fine sandy loam, 35 to 60 percent slopes, very stony	B	—	—
81D	Ricker-Londonderry-Stratton complex, 15 to 35 percent slopes, very rocky	D	—	—
81E	Ricker-Londonderry-Stratton complex, 35 to 60 percent slopes, very rocky	D	—	—
82F	Ricker-Londonderry-Rock outcrop complex, 60 to 90 percent slopes	D	—	—
85C	Peru fine sandy loam, 3 to 15 percent slopes, extremely bouldery	D	—	—
85D	Peru fine sandy loam, 15 to 35 percent slopes, extremely bouldery	D	—	—
85E	Peru fine sandy loam, 35 to 60 percent slopes, extremely bouldery	D	—	—
86C	Cabot silt loam, 0 to 15 percent slopes, extremely bouldery	D	—	—
87C	Colonel-Cabot complex, 3 to 15 percent slopes, extremely bouldery	D	—	—
88C	Houghtonville fine sandy loam, 8 to 15 percent slopes, very stony	B	—	—
92C	Hogback-Rawsonville complex, 8 to 15 percent slopes, very rocky	D	—	—
92D	Hogback-Rawsonville complex, 15 to 35 percent slopes, very rocky	D	—	—
92E	Hogback-Rawsonville complex, 35 to 60 percent slopes, very rocky	D	—	—
93E	Houghtonville fine sandy loam, 15 to 60 percent slopes, rubbly	B	—	—

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94D	Houghtonville fine sandy loam, 15 to 35 percent slopes, very bouldery	B	—	—
100	Pits, sand and Pits, gravel		—	—
102	Pits, quarry-Dumps, mine complex		—	—
104B	Urban land-Adams-Nicholville complex, 0 to 8 percent slopes		—	—
104C	Urban land-Adams-Nicholville complex, 8 to 15 percent slopes		—	—
104D	Urban land-Adams-Nicholville complex, 15 to 25 percent slopes		—	—
104E	Urban land-Adams-Nicholville complex, 25 to 60 percent slopes		—	—
105D	Lyman-Rock outcrop complex, 15 to 35 percent slopes	D	—	—
105E	Lyman-Rock outcrop complex, 35 to 60 percent slopes	D	—	—
105F	Lyman-Rock outcrop complex, 60 to 80 percent slopes	D	—	—
120A	Moosilauke very fine sandy loam, 0 to 3 percent slopes, very stony	A/D	—	—
159B	Peru fine sandy loam, 3 to 8 percent slopes	C/D	—	—
159C	Peru fine sandy loam, 8 to 15 percent slopes	C/D	—	—
159D	Peru fine sandy loam, 15 to 25 percent slopes	C/D	—	—
160B	Peru fine sandy loam, 0 to 8 percent slopes, very stony	D	—	—
160C	Peru fine sandy loam, 8 to 15 percent slopes, very stony	D	—	—
160D	Peru fine sandy loam, 15 to 35 percent slopes, very stony	D	—	—
160E	Peru fine sandy loam, 35 to 60 percent slopes, very stony	D	—	—

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163B	Tunbridge-Monadnock complex, 3 to 8 percent slopes, very stony	C	—	—
163C	Tunbridge-Monadnock complex, 8 to 15 percent slopes, very stony	C	—	—
163D	Tunbridge-Monadnock complex, 15 to 35 percent slopes, very stony	C	—	—
163E	Tunbridge-Monadnock complex, 35 to 60 percent slopes, very stony	C	—	—
175C	Monadnock fine sandy loam, 3 to 15 percent slopes, extremely bouldery	B	—	—
175D	Monadnock fine sandy loam, 15 to 35 percent slopes, extremely bouldery	B	—	—
175E	Monadnock fine sandy loam, 35 to 60 percent slopes, extremely bouldery	B	—	—
207C	Salmon-Adamant complex, 8 to 15 percent slopes, very rocky	B	—	—
207D	Salmon-Adamant complex, 15 to 25 percent slopes, very rocky	B	—	—
207E	Salmon-Adamant complex, 25 to 50 percent slopes, very rocky	B	—	—
214B	Vershire-Lombard complex, 3 to 8 percent slopes, very stony	C	—	—
214C	Vershire-Lombard complex, 8 to 15 percent slopes, very stony	C	—	—
214D	Vershire-Lombard complex, 15 to 35 percent slopes, very stony	C	—	—

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214E	Vershire-Lombard complex, 35 to 60 percent slopes, very stony	C	—	—
250A	Irasburg loamy fine sand, 0 to 3 percent slopes	B	—	—
250B	Irasburg loamy fine sand, 3 to 8 percent slopes	B	—	—
250C	Irasburg loamy fine sand, 8 to 15 percent slopes	B	—	—
250D	Irasburg loamy fine sand, 15 to 25 percent slopes	B	—	—
250E	Irasburg loamy fine sand, 25 to 50 percent slopes	B	—	—
260F	Udorthents, 60 to 90 percent slopes, very rubbly		—	—
270A	Bucksport peat, 0 to 2 percent slopes	A/D	—	—
301C	Tunbridge-Peru complex, 3 to 15 percent slopes, extremely bouldery	C	—	—
301D	Tunbridge-Peru complex, 15 to 35 percent slopes, extremely bouldery	C	—	—
362B	Tunbridge-Peru complex, 3 to 8 percent slopes, rocky	C	—	—
362C	Tunbridge-Peru complex, 8 to 15 percent slopes, rocky	C	—	—
362D	Tunbridge-Peru complex, 15 to 25 percent slopes, rocky	C	—	—
363B	Tunbridge-Peru complex, 3 to 8 percent slopes, very stony	C	—	—
363C	Tunbridge-Peru complex, 8 to 15 percent slopes, very stony	C	—	—
363D	Tunbridge-Peru complex, 15 to 35 percent slopes, very stony	C	—	—

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363E	Tunbridge-Peru complex, 35 to 60 percent slopes, very stony	C	—	—
900	Area not Surveyed, Access Denied		—	—
W	Water		—	—
<b>Totals for Area of Interest</b>			<b>420,100.6</b>	<b>100.0%</b>

## 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