# Hydrologic Soil Group

| Hydrologic Soil Group— Summary by Map Unit — Washington County, Vermont (VT023) | | | | |
|---|---|---|---|---|
| **Map unit symbol** | **Map unit name** | **Rating** | **Acres in AOI** | **Percent of AOI** |
| 2A | Ondawa fine sandy loam, 0 to 3 percent slopes, frequently flooded | B | — | — |
| 3A | Rumney fine sandy loam, 0 to 3 percent slopes, frequently flooded | B/D | — | — |
| 4A | Sunny silt loam, 0 to 2 percent slopes | B/D | — | — |
| 9A | Rifle muck, 0 to 2 percent slopes, ponded | A/D | — | — |
| 14B | Colonel fine sandy loam, 3 to 8 percent slopes | D | — | — |
| 14C | Colonel fine sandy loam, 8 to 15 percent slopes | D | — | — |
| 14D | Colonel fine sandy loam, 15 to 25 percent slopes | D | — | — |
| 17A | Cabot silt loam, 0 to 3 percent slopes | D | — | — |
| 17B | Cabot silt loam, 3 to 8 percent slopes | D | — | — |
| 17C | Cabot silt loam, 8 to 15 percent slopes | D | — | — |
| 18B | Cabot silt loam, 0 to 8 percent slopes, very stony | D | — | — |
| 18C | Cabot silt loam, 8 to 15 percent slopes, very stony | D | — | — |
| 19B | Colonel fine sandy loam, 0 to 8 percent slopes, very stony | D | — | — |
| 19C | Colonel fine sandy loam, 8 to 15 percent slopes, very stony | D | — | — |
| 19D | Colonel fine sandy loam, 15 to 35 percent slopes, very stony | D | — | — |
| 20A | Peacham mucky peat, 0 to 3 percent slopes | D | — | — |
| 21A | Sunday fine sand, 0 to 3 percent slopes | A | — | — |

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|---|---|---|---|---|
| Map unit symbol | Map unit name | Rating | Acres in AOI | Percent of AOI |
| 26A | Adams loamy fine sand, 0 to 3 percent slopes | A | — | — |
| 26B | Adams loamy fine sand, 3 to 8 percent slopes | A | — | — |
| 26C | Adams loamy fine sand, 8 to 15 percent slopes | A | — | — |
| 26D | Adams loamy fine sand, 15 to 25 percent slopes | A | — | — |
| 26E | Adams loamy fine sand, 25 to 60 percent slopes | A | — | — |
| 33A | Machias fine sandy loam, 0 to 3 percent slopes | B | — | — |
| 33B | Machias fine sandy loam, 3 to 8 percent slopes | B | — | — |
| 33C | Machias fine sandy loam, 8 to 15 percent slopes | B | — | — |
| 37B | Stetson loam, 3 to 8 percent slopes | A | — | — |
| 37C | Stetson loam, 8 to 15 percent slopes | A | — | — |
| 37D | Stetson loam, 15 to 25 percent slopes | A | — | — |
| 37E | Stetson loam, 25 to 60 percent slopes | A | — | — |
| 39A | Colton gravelly loamy sand, 0 to 3 percent slopes | A | — | — |
| 39B | Colton gravelly loamy sand, 3 to 8 percent slopes | A | — | — |
| 39C | Colton gravelly loamy sand, 8 to 15 percent slopes | A | — | — |
| 39D | Colton gravelly loamy sand, 15 to 25 percent slopes | A | — | — |
| 39E | Colton gravelly loamy sand, 25 to 60 percent slopes | A | — | — |
| 41D | Buxton silt loam, 15 to 25 percent slopes | D | — | — |
| 41E | Buxton silt loam, 25 to 45 percent slopes | D | — | — |

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|---|---|---|---|---|
| Map unit symbol | Map unit name | Rating | Acres in AOI | Percent of AOI |
| 43B | Salmon very fine sandy loam, 3 to 8 percent slopes | B | — | — |
| 43C | Salmon very fine sandy loam, 8 to 15 percent slopes | B | — | — |
| 43D | Salmon very fine sandy loam, 15 to 25 percent slopes | B | — | — |
| 43E | Salmon very fine sandy loam, 25 to 50 percent slopes | B | — | — |
| 44B | Lamoine silt loam, 3 to 8 percent slopes | C/D | — | — |
| 44C | Lamoine silt loam, 8 to 15 percent slopes | C/D | — | — |
| 45A | Scantic silt loam, 0 to 3 percent slopes | D | — | — |
| 55B | Nicholville silt loam, 3 to 8 percent slopes | B/D | — | — |
| 58A | Grange silt loam, 0 to 3 percent slopes | B/D | — | — |
| 59A | Waitsfield silt loam, 0 to 3 percent slopes | B | — | — |
| 60A | Weider very fine sandy loam, 0 to 3 percent slopes | C | — | — |
| 62B | Berkshire fine sandy loam, 3 to 8 percent slopes | B | — | — |
| 62C | Berkshire fine sandy loam, 8 to 15 percent slopes | B | — | — |
| 62D | Berkshire fine sandy loam, 15 to 25 percent slopes | B | — | — |
| 63B | Berkshire fine sandy loam, 3 to 8 percent slopes, very stony | B | — | — |
| 63C | Berkshire fine sandy loam, 8 to 15 percent slopes, very stony | B | — | — |
| 63D | Berkshire fine sandy loam, 15 to 35 percent slopes, very stony | B | — | — |
| 63E | Berkshire fine sandy loam, 35 to 60 percent slopes, very stony | B | — | — |

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|---|---|---|---|---|
| Map unit symbol | Map unit name | Rating | Acres in AOI | Percent of AOI |
| 64C | Salmon-Adamant complex, 8 to 15 percent slopes, very rocky | B | — | — |
| 64D | Salmon-Adamant complex, 15 to 25 percent slopes, very rocky | B | — | — |
| 64E | Salmon-Adamant complex, 25 to 50 percent slopes, very rocky | B | — | — |
| 66B | Vershire-Dummerston complex, 3 to 8 percent slopes, rocky | C | — | — |
| 66C | Vershire-Dummerston complex, 8 to 15 percent slopes, rocky | C | — | — |
| 66D | Vershire-Dummerston complex, 15 to 25 percent slopes, rocky | C | — | — |
| 66E | Vershire-Dummerston complex, 25 to 60 percent slopes, rocky | C | — | — |
| 67C | Glover-Vershire complex, 8 to 15 percent slopes, very rocky | D | — | — |
| 67D | Glover-Vershire complex, 15 to 35 percent slopes, very rocky | D | — | — |
| 67E | Glover-Vershire complex, 35 to 60 percent slopes, very rocky | D | — | — |
| 68D | Stratton-Glebe complex, 15 to 35 percent slopes, very rocky | D | — | — |
| 68E | Stratton-Glebe complex, 35 to 60 percent slopes, very rocky | D | — | — |
| 69D | Sisk-Glebe complex, 15 to 35 percent slopes, very bouldery | C | — | — |
| 69E | Sisk-Glebe complex, 35 to 60 percent slopes, very bouldery | C | — | — |
| 71C | Tunbridge-Lyman complex, 3 to 15 percent slopes, rocky | C | — | — |

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| 72B | Tunbridge-Lyman complex, 0 to 8 percent slopes, very rocky | D | — | — |
| 72C | Tunbridge-Lyman complex, 8 to 15 percent slopes, very rocky | D | — | — |
| 72D | Tunbridge-Lyman complex, 15 to 35 percent slopes, very rocky | C | — | — |
| 72E | Tunbridge-Lyman complex, 35 to 60 percent slopes, very rocky | C | — | — |
| 76C | Berkshire fine sandy loam, 8 to 15 percent slopes, very bouldery | B | — | — |
| 76D | Berkshire fine sandy loam, 15 to 35 percent slopes, very bouldery | B | — | — |
| 76E | Berkshire fine sandy loam, 35 to 60 percent slopes, very bouldery | B | — | — |
| 77B | Peru fine sandy loam, 3 to 8 percent slopes | C/D | — | — |
| 77C | Peru fine sandy loam, 8 to 15 percent slopes | C/D | — | — |
| 77D | Peru fine sandy loam, 15 to 25 percent slopes | C/D | — | — |
| 78C | Peru fine sandy loam, 8 to 15 percent slopes, very stony | D | — | — |
| 78D | Peru fine sandy loam, 15 to 35 percent slopes, very stony | D | — | — |
| 78E | Peru fine sandy loam, 35 to 60 percent slopes, very stony | D | — | — |
| 79A | Markey and Wonsqueak mucks, 0 to 2 percent slopes, ponded | A/D | — | — |
| 82A | Peacham mucky peat, 0 to 8 percent slopes, extremely bouldery | D | — | — |
| 85E | Ricker-Londonderry-Stratton complex, 35 to 60 percent slopes, very rocky | D | — | — |

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| 86F | Ricker-Londonderry-Rock outcrop complex, 35 to 70 percent slopes | D | — | — |
| 88D | Houghtonville fine sandy loam, 15 to 35 percent slopes, very bouldery | B | — | — |
| 89E | Houghtonville fine sandy loam, 15 to 60 percent slopes, rubbly | B | — | — |
| 90B | Dummerston fine sandy loam, 3 to 8 percent slopes | B | — | — |
| 90C | Dummerston fine sandy loam, 8 to 15 percent slopes | B | — | — |
| 90D | Dummerston fine sandy loam, 15 to 25 percent slopes | B | — | — |
| 91C | Dummerston fine sandy loam, 8 to 15 percent slopes, very stony | B | — | — |
| 91D | Dummerston fine sandy loam, 15 to 35 percent slopes, very stony | B | — | — |
| 92B | Buckland loam, 3 to 8 percent slopes | C/D | — | — |
| 92C | Buckland loam, 8 to 15 percent slopes | C/D | — | — |
| 92D | Buckland loam, 15 to 25 percent slopes | C/D | — | — |
| 93B | Buckland loam, 0 to 8 percent slopes, very stony | D | — | — |
| 93C | Buckland loam, 8 to 15 percent slopes, very stony | D | — | — |
| 93D | Buckland loam, 15 to 35 percent slopes, very stony | D | — | — |
| 96D | Peru fine sandy loam, 15 to 35 percent slopes, extremely bouldery | D | — | — |
| 98B | Cabot silt loam, 0 to 8 percent slopes, extremely bouldery | D | — | — |
| 98C | Cabot silt loam, 8 to 15 percent slopes, extremely bouldery | D | — | — |

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| 99C | Colonel fine sandy loam, 3 to 15 percent slopes, extremely bouldery | D | — | — |
| 99D | Colonel fine sandy loam, 15 to 35 percent slopes, extremely bouldery | D | — | — |
| 100 | Pits, Sand, and Pits, gravel | | — | — |
| 102 | Pits, quarry-Dumps, mine complex | | — | — |
| 103 | Udorthents, loamy | A | — | — |
| 104 | Urban land-Udipsamments complex, occasionally flooded | A | — | — |
| 116B | Mundal fine sandy loam, 3 to 8 percent slopes, very stony | C | — | — |
| 116C | Mundal fine sandy loam, 8 to 15 percent slopes, very stony | C | — | — |
| 116D | Mundal fine sandy loam, 15 to 35 percent slopes, very stony | C | — | — |
| 151F | Hogback-Rock outcrop-Rawsonville complex, 35 to 70 percent slopes | D | — | — |
| 162D | Houghtonville-Rawsonville complex, 15 to 35 percent slopes, very bouldery | B | — | — |
| 162E | Houghtonville-Rawsonville complex, 35 to 60 percent slopes, very bouldery | B | — | — |
| 163C | Houghtonville fine sandy loam, 8 to 15 percent slopes, very stony | B | — | — |
| 163D | Houghtonville fine sandy loam, 15 to 35 percent slopes, very stony | B | — | — |
| 163E | Houghtonville fine sandy loam, 35 to 60 percent slopes, very stony | B | — | — |
| 168C | Hogback-Rawsonville complex, 8 to 15 percent slopes, very rocky | D | — | — |

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| 168D | Hogback-Rawsonville complex, 15 to 35 percent slopes, very rocky | D | — | — |
| 168E | Hogback-Rawsonville complex, 35 to 60 percent slopes, very rocky | D | — | — |
| 172F | Taconic-Hubbardton-Rock outcrop complex, 60 to 80 percent slopes | D | — | — |
| W | Water | | — | — |
| **Totals for Area of Interest** | | | **445,193.6** | **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