

## Hydrologic Soil Group

| Hydrologic Soil Group— Summary by Map Unit — Bennington County, Vermont (VT003) |  |        |              |                |
|---|--|--------|--------------|----------------|
| Map unit symbol   | Map unit name  | Rating | Acres in AOI | Percent of AOI |
| 3A  | Copake gravelly fine sandy loam, 0 to 3 percent slopes                       | A      | —            | —              |
| 3B  | Copake gravelly fine sandy loam, 3 to 8 percent slopes                       | A      | —            | —              |
| 3C  | Copake gravelly fine sandy loam, 8 to 15 percent slopes                      | A      | —            | —              |
| 3D  | Copake gravelly fine sandy loam, 15 to 25 percent slopes                     | A      | —            | —              |
| 3E  | Copake gravelly fine sandy loam, 25 to 60 percent slopes                     | A      | —            | —              |
| 9   | Pits-Dumps complex   |        | —            | —              |
| 10D   | Glebe-Stratton-Londonderry complex, 15 to 25 percent slopes, very rocky      | D      | —            | —              |
| 10E   | Glebe-Stratton-Londonderry complex, 25 to 60 percent slopes, very rocky      | D      | —            | —              |
| 11F   | Taconic-Hubbardton-Rock outcrop complex, 25 to 70 percent slopes, very stony | D      | —            | —              |
| 18B   | Windsor loamy sand, 0 to 8 percent slopes                                    | A      | —            | —              |
| 18C   | Windsor loamy sand, 8 to 15 percent slopes                                   | A      | —            | —              |
| 18E   | Windsor loamy sand, 15 to 60 percent slopes                                  | A      | —            | —              |
| 21A   | Limerick silt loam, 0 to 3 percent slopes                                    | B/D    | —            | —              |
| 23A   | Adrian and Saco soils, 0 to 2 percent slopes                                 | A/D    | —            | —              |
| 24A   | Carlisle mucky peat, 0 to 2 percent slopes                                   | A/D    | —            | —              |
| 25B   | Belgrade silt loam, 0 to 8 percent slopes                                    | B/D    | —            | —              |
| 26A   | Raynham silt loam, 0 to 3 percent slopes                                     | C/D    | —            | —              |

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| 27B   | Udipsamments and Udorthents, gently sloping                      | A      | —            | —              |
| 28A   | Udifluvents, loamy-skeletal                                      | A      | —            | —              |
| 29A   | Occum fine sandy loam, 0 to 3 percent slopes                     | A      | —            | —              |
| 34A   | Pootatuck fine sandy loam, 0 to 3 percent slopes                 | A/D    | —            | —              |
| 35B   | Hartland silt loam, 0 to 5 percent slopes                        | B      | —            | —              |
| 40B   | Galway-Nellis-Farmington complex, 3 to 8 percent slopes, rocky   | C      | —            | —              |
| 40C   | Galway-Nellis-Farmington complex, 8 to 15 percent slopes, rocky  | C      | —            | —              |
| 40D   | Galway-Nellis-Farmington complex, 15 to 25 percent slopes, rocky | C      | —            | —              |
| 41C   | Galway-Farmington complex, 8 to 15 percent slopes, very rocky    | C      | —            | —              |
| 41D   | Galway-Farmington complex, 15 to 25 percent slopes, very rocky   | C      | —            | —              |
| 41E   | Galway-Farmington complex, 25 to 50 percent slopes, very rocky   | C      | —            | —              |
| 42C   | Macomber-Taconic complex, 8 to 15 percent slopes, rocky          | C      | —            | —              |
| 42D   | Macomber-Taconic complex, 15 to 25 percent slopes, rocky         | C      | —            | —              |
| 42E   | Macomber-Taconic complex, 25 to 60 percent slopes, rocky         | C      | —            | —              |
| 43C   | Taconic-Macomber complex, 8 to 15 percent slopes, very rocky     | D      | —            | —              |

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| 43D   | Taconic-Macomber complex, 15 to 25 percent slopes, very rocky | D      | —            | —              |
| 43E   | Taconic-Macomber complex, 25 to 60 percent slopes, very rocky | D      | —            | —              |
| 44B   | Dutchess channery loam, 3 to 8 percent slopes                 | B      | —            | —              |
| 44C   | Dutchess channery loam, 8 to 15 percent slopes                | B      | —            | —              |
| 44D   | Dutchess channery loam, 15 to 25 percent slopes               | B      | —            | —              |
| 47C   | Dutchess channery loam, 8 to 15 percent slopes, very stony    | B      | —            | —              |
| 47D   | Dutchess channery loam, 15 to 25 percent slopes, very stony   | B      | —            | —              |
| 47E   | Dutchess channery loam, 25 to 60 percent slopes, very stony   | B      | —            | —              |
| 48B   | Pittstown loam, 3 to 8 percent slopes                         | D      | —            | —              |
| 48C   | Pittstown loam, 8 to 15 percent slopes                        | D      | —            | —              |
| 48D   | Pittstown loam, 15 to 25 percent slopes                       | D      | —            | —              |
| 49C   | Pittstown loam, 8 to 15 percent slopes, very stony            | D      | —            | —              |
| 49D   | Pittstown loam, 15 to 25 percent slopes, very stony           | D      | —            | —              |
| 50B   | Brayton loam, 0 to 5 percent slopes                           | D      | —            | —              |
| 51B   | Brayton loam, 0 to 5 percent slopes, very stony               | D      | —            | —              |
| 52A   | Mansfield mucky silt loam, 0 to 3 percent slopes, very stony  | D      | —            | —              |
| 64B   | Stockbridge loam, 2 to 8 percent slopes                       | C      | —            | —              |
| 64C   | Stockbridge loam, 8 to 15 percent slopes                      | C      | —            | —              |

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| 64D   | Stockbridge loam, 15 to 25 percent slopes                | C      | —            | —              |
| 65C   | Stockbridge loam, 8 to 15 percent slopes, very stony     | C      | —            | —              |
| 65D   | Stockbridge loam, 15 to 25 percent slopes, very stony    | C      | —            | —              |
| 66A   | Georgia loam, 0 to 3 percent slopes                      | C/D    | —            | —              |
| 66B   | Georgia loam, 3 to 8 percent slopes                      | C/D    | —            | —              |
| 66C   | Georgia loam, 8 to 15 percent slopes                     | C/D    | —            | —              |
| 66D   | Georgia loam, 15 to 25 percent slopes                    | C/D    | —            | —              |
| 67B   | Georgia loam, 3 to 8 percent slopes, very stony          | C/D    | —            | —              |
| 67C   | Georgia loam, 8 to 15 percent slopes, very stony         | C/D    | —            | —              |
| 68A   | Massena silt loam, 0 to 3 percent slopes                 | C/D    | —            | —              |
| 68B   | Massena silt loam, 3 to 8 percent slopes                 | C/D    | —            | —              |
| 69A   | Massena silt loam, 0 to 3 percent slopes, very stony     | C/D    | —            | —              |
| 69B   | Massena silt loam, 3 to 8 percent slopes, very stony     | C/D    | —            | —              |
| 70A   | Groton gravelly fine sandy loam, 0 to 3 percent slopes   | A      | —            | —              |
| 70B   | Groton gravelly fine sandy loam, 3 to 8 percent slopes   | A      | —            | —              |
| 70C   | Groton gravelly fine sandy loam, 8 to 15 percent slopes  | A      | —            | —              |
| 70D   | Groton gravelly fine sandy loam, 15 to 25 percent slopes | A      | —            | —              |
| 70E   | Groton gravelly fine sandy loam, 25 to 60 percent slopes | A      | —            | —              |
| 71A   | Hero gravelly fine sandy loam, 0 to 3 percent slopes     | C      | —            | —              |

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| 71B   | Hero gravelly fine sandy loam, 3 to 8 percent slopes                | C      | —            | —              |
| 72A   | Fredon fine sandy loam, 0 to 3 percent slopes                       | B/D    | —            | —              |
| 84B   | Nellis silt loam, 3 to 8 percent slopes                             | B      | —            | —              |
| 84C   | Nellis silt loam, 8 to 15 percent slopes                            | B      | —            | —              |
| 84D   | Nellis silt loam, 15 to 25 percent slopes                           | B      | —            | —              |
| 85B   | Nellis silt loam, 3 to 8 percent slopes, very stony                 | B      | —            | —              |
| 85C   | Nellis silt loam, 8 to 15 percent slopes, very stony                | B      | —            | —              |
| 85D   | Nellis silt loam, 15 to 25 percent slopes, very stony               | B      | —            | —              |
| 85E   | Nellis silt loam, 25 to 50 percent slopes, very stony               | B      | —            | —              |
| 86A   | Amenia silt loam, 0 to 3 percent slopes                             | C      | —            | —              |
| 86B   | Amenia silt loam, 3 to 8 percent slopes                             | C      | —            | —              |
| 86C   | Amenia silt loam, 8 to 15 percent slopes                            | C      | —            | —              |
| 87B   | Amenia silt loam, 3 to 8 percent slopes, very stony                 | C      | —            | —              |
| 87C   | Amenia silt loam, 8 to 15 percent slopes, very stony                | C      | —            | —              |
| 90C   | Berkshire fine sandy loam, 3 to 15 percent slopes, extremely stony  | B      | —            | —              |
| 90E   | Berkshire fine sandy loam, 15 to 50 percent slopes, extremely stony | B      | —            | —              |
| 93B   | Pittsfield fine sandy loam, 3 to 8 percent slopes                   | A      | —            | —              |
| 93C   | Pittsfield fine sandy loam, 8 to 15 percent slopes                  | A      | —            | —              |

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| 93D   | Pittsfield fine sandy loam, 15 to 25 percent slopes                           | A      | —            | —              |
| 94B   | Pittsfield fine sandy loam, 3 to 8 percent slopes, very stony                 | A      | —            | —              |
| 94C   | Pittsfield fine sandy loam, 8 to 15 percent slopes, very stony                | A      | —            | —              |
| 94D   | Pittsfield fine sandy loam, 15 to 25 percent slopes, very stony               | A      | —            | —              |
| 94E   | Pittsfield fine sandy loam, 25 to 50 percent slopes, very stony               | A      | —            | —              |
| 95C   | Houghtonville fine sandy loam, 8 to 15 percent slopes, very stony             | B      | —            | —              |
| 95D   | Houghtonville fine sandy loam, 15 to 25 percent slopes, very stony            | B      | —            | —              |
| 95E   | Houghtonville fine sandy loam, 25 to 60 percent slopes, very stony            | B      | —            | —              |
| 96D   | Hogback-Rawsonville-Rock outcrop complex, 15 to 25 percent slopes, very stony | D      | —            | —              |
| 96F   | Hogback-Rawsonville-Rock outcrop complex, 25 to 70 percent slopes, very stony | D      | —            | —              |
| 100B  | Wilmington sandy loam, 0 to 8 percent slopes, very stony                      | D      | —            | —              |
| 102B  | Mundal fine sandy loam, 3 to 8 percent slopes                                 | C      | —            | —              |
| 102C  | Mundal fine sandy loam, 8 to 15 percent slopes                                | C      | —            | —              |
| 104B  | Colton gravelly loamy sand, 3 to 8 percent slopes, extremely stony            | A      | —            | —              |
| 104C  | Colton gravelly loamy sand, 8 to 15 percent slopes, extremely stony           | A      | —            | —              |
| 104E  | Colton gravelly loamy sand, 15 to 50 percent slopes, extremely stony          | A      | —            | —              |

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| 105B  | Monadnock fine sandy loam, 3 to 8 percent slopes, very stony      | B      | —            | —              |
| 105C  | Monadnock fine sandy loam, 8 to 15 percent slopes, very stony     | B      | —            | —              |
| 105D  | Monadnock fine sandy loam, 15 to 25 percent slopes, very stony    | B      | —            | —              |
| 105E  | Monadnock fine sandy loam, 25 to 50 percent slopes, very stony    | B      | —            | —              |
| 106B  | Berkshire fine sandy loam, 3 to 8 percent slopes, very stony      | B      | —            | —              |
| 106C  | Berkshire fine sandy loam, 8 to 15 percent slopes, very stony     | B      | —            | —              |
| 106D  | Berkshire fine sandy loam, 15 to 25 percent slopes, very stony    | B      | —            | —              |
| 106E  | Berkshire fine sandy loam, 25 to 50 percent slopes, very stony    | B      | —            | —              |
| 108B  | Peru fine sandy loam, 0 to 8 percent slopes, very stony           | D      | —            | —              |
| 108C  | Peru fine sandy loam, 8 to 15 percent slopes, very stony          | D      | —            | —              |
| 108D  | Peru fine sandy loam, 15 to 25 percent slopes, very stony         | D      | —            | —              |
| 109C  | Tunbridge-Berkshire complex, 8 to 15 percent slopes, rocky        | C      | —            | —              |
| 109D  | Tunbridge-Berkshire complex, 15 to 25 percent slopes, rocky       | C      | —            | —              |
| 109E  | Tunbridge-Berkshire complex, 25 to 50 percent slopes, rocky       | C      | —            | —              |
| 111C  | Rawsonville-Houghtonville complex, 8 to 15 percent slopes, rocky  | C      | —            | —              |
| 111D  | Rawsonville-Houghtonville complex, 15 to 25 percent slopes, rocky | C      | —            | —              |

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| 111E  | Rawsonville-Houghtonville complex, 25 to 60 percent slopes, rocky | C      | —            | —              |
| 112C  | Rawsonville-Hogback complex, 8 to 15 percent slopes, very rocky   | C      | —            | —              |
| 112D  | Rawsonville-Hogback complex, 15 to 25 percent slopes, very rocky  | C      | —            | —              |
| 112E  | Rawsonville-Hogback complex, 25 to 60 percent slopes, very rocky  | C      | —            | —              |
| 113B  | Cabot silt loam, 0 to 8 percent slopes, very stony                | D      | —            | —              |
| 114B  | Mundal fine sandy loam, 3 to 8 percent slopes, very stony         | C      | —            | —              |
| 114C  | Mundal fine sandy loam, 8 to 15 percent slopes, very stony        | C      | —            | —              |
| 114D  | Mundal fine sandy loam, 15 to 25 percent slopes, very stony       | C      | —            | —              |
| 115B  | Peru fine sandy loam, 3 to 8 percent slopes                       | C/D    | —            | —              |
| 115C  | Peru fine sandy loam, 8 to 15 percent slopes                      | C/D    | —            | —              |
| 115D  | Peru fine sandy loam, 15 to 25 percent slopes                     | C/D    | —            | —              |
| 116D  | Lyman-Tunbridge-Rock outcrop complex, 15 to 25 percent slopes     | D      | —            | —              |
| 116F  | Lyman-Tunbridge-Rock outcrop complex, 25 to 60 percent slopes     | D      | —            | —              |
| 117B  | Berkshire fine sandy loam, 3 to 8 percent slopes                  | B      | —            | —              |
| 117C  | Berkshire fine sandy loam, 8 to 15 percent slopes                 | B      | —            | —              |
| 117D  | Berkshire fine sandy loam, 15 to 25 percent slopes                | B      | —            | —              |

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| 118C  | Tunbridge-Lyman complex, 8 to 15 percent slopes, very rocky          | D      | —            | —              |
| 118D  | Tunbridge-Lyman complex, 15 to 25 percent slopes, very rocky         | C      | —            | —              |
| 118E  | Tunbridge-Lyman complex, 25 to 60 percent slopes, very rocky         | C      | —            | —              |
| 221F  | Tunbridge-Berkshire association, very steep, rocky                   | C      | —            | —              |
| 403B  | Cabot-Carlisle association, undulating, very stony                   | D      | —            | —              |
| 405D  | Berkshire-Tunbridge association, hilly, very stony                   | B      | —            | —              |
| 413D  | Peru-Berkshire-Cabot association, hilly, very stony                  | D      | —            | —              |
| 702E  | Rawsonville-Hogback association, very hilly, very rocky              | C      | —            | —              |
| 703C  | Mundal-Houghtonville association, rolling, very stony                | C      | —            | —              |
| 705D  | Rawsonville-Houghtonville-Mundal association, hilly, rocky           | C      | —            | —              |
| 715D  | Houghtonville-Rawsonville association, hilly, rocky                  | B      | —            | —              |
| 902F  | Hogback-Rawsonville-Rock outcrop association, very steep, very stony | D      | —            | —              |
| 903C  | Mundal-Wilmington association, rolling, very stony                   | C      | —            | —              |
| 905D  | Houghtonville-Monadnock association, hilly, very stony               | B      | —            | —              |
| 913E  | Glebe-Stratton association, very hilly, very rocky                   | B      | —            | —              |

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| 923B  | Wilmington-Mundal association, undulating, very stony | C      | —                | —              |
| W   | Water   |        | —                | —              |
| <b>Totals for Area of Interest</b>  |   |        | <b>433,118.6</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