

BuC - Buckland Loam

- Made up of silt, silt loam, very fine sandy loam
- Runoff medium on gentle slopes, rapid on steeper slopes
- K factor: .32
- Hydrologic Group: C/D
- HEL Classification:
 - 8-15% 2
 - 15-25% 1

VgD - Vershire Glover Rock Outcrop

- Made up of silt loam, loam, fine sandy loam
- Runoff medium to rapid on slopes 8-25%; rapid with hazard of severe water erosion on slopes 25% and above
- K factor: .32
- Hydrologic Group: C
- HEL Classification:
 - 8-15% 1
 - 25-50% 1

BvD - Buckland Loam very stony

- Made up of silt, silt loam, very fine sandy loam, stony
- Runoff medium to rapid; severe 25% and above
- K factor: .24
- Hydrologic Group: D
- HEL Classification:
 - 8-25% 2
 - 25% + 1

CsD - Colrain very stony fine sandy loam

- Made up of fine sandy loam, very stony, bedrock outcrop
- Runoff slow to medium on slopes 8-25%; rapid 25% and above
- K factor: .24
- Hydrologic Group: A
- HEL Classification:
 - 8-25% 2
 - 25% + 1

K-factor parameters: "Areas with K-values greater than .24 are susceptible to erosion and may require additional protective measures"

Hydrologic Groups:

Group A - low runoff potential/high infiltration rate

B - moderate runoff potential/moderate infiltration rate

C - slow infiltration rate

D - high runoff potential/very slow infiltration rate

Highly Erodible Land: 1 = highly erodible
2 = potentially high erodibility
3 = not HEL
4 = not rated

Soils Information Sources

Soils Map: ANR Natural Resource Atlas
VCGI Interactive Map Viewer

Soils Description: Soil Survey of Orange County, VT
ANR Natural Resource Atlas

K factor: USDA publication "Updated T and K Factors, Questions and Answers"
Guidance for Agency Act 250 and Section 248, December 9, 2005, pg. 21-22

Hydrologic Group: USDA publication "Hydrologic Soil Group"

HEL (Highly Erodible Land) Classification: VT NRCS "Highly Erodible Land Ratings, Orange County, VT",
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