

Moffat County Area, Colorado

206—Ustorthents, frigid-Borolls complex, 25 to 75 percent slopes

Map Unit Setting

Elevation: 7,000 to 8,500 feet
Mean annual precipitation: 16 to 20 inches
Mean annual air temperature: 37 to 45 degrees F
Frost-free period: 50 to 85 days

Map Unit Composition

Ustorthents, frigid, and similar soils: 55 percent
Borolls and similar soils: 35 percent

Description of Ustorthents, Frigid

Setting

Landform: Mountainsides
Landform position (two-dimensional): Footslope, backslope
Landform position (three-dimensional): Mountainflank
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Residuum and colluvium derived from sedimentary rocks

Properties and qualities

Slope: 25 to 75 percent
Depth to restrictive feature: 10 to 30 inches to lithic bedrock; 10 to 30 inches to paralithic bedrock
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 10 percent
Available water capacity: Very low (about 2.5 inches)

Interpretive groups

Land capability (nonirrigated): 7e

Typical profile

0 to 3 inches: Very channery sandy loam
3 to 28 inches: Extremely channery sandy loam
28 to 32 inches: Unweathered bedrock

Description of Borolls

Setting

Landform: Mountainsides
Landform position (two-dimensional): Backslope, footslope
Landform position (three-dimensional): Mountainflank
Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Residuum and colluvium derived from sedimentary rocks

Properties and qualities

Slope: 25 to 75 percent

Depth to restrictive feature: 20 to 80 inches to lithic bedrock; 20 to 80 inches to paralithic bedrock

Drainage class: Well drained

Capacity of the most limiting layer to transmit water

(Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 5 percent

Available water capacity: Low (about 4.5 inches)

Interpretive groups

Land capability (nonirrigated): 7e

Typical profile

0 to 19 inches: Loam

19 to 30 inches: Cobbly sandy clay loam

30 to 34 inches: Unweathered bedrock

Data Source Information

Soil Survey Area: Moffat County Area, Colorado

Survey Area Data: Version 6, Feb 4, 2008

Moffat County Area, Colorado

213—Winevada-Splitro complex, 3 to 25 percent slopes

Map Unit Setting

Elevation: 7,000 to 8,500 feet
Mean annual precipitation: 18 to 20 inches
Mean annual air temperature: 37 to 40 degrees F
Frost-free period: 50 to 75 days

Map Unit Composition

Winevada and similar soils: 60 percent
Splitro and similar soils: 30 percent

Description of Winevada

Setting

Landform: Mountainsides, plateaus
Landform position (three-dimensional): Mountainflank
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Residuum derived from sandstone

Properties and qualities

Slope: 3 to 25 percent
Depth to restrictive feature: 20 to 40 inches to lithic bedrock
Drainage class: Well drained
Capacity of the most limiting layer to transmit water
(Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Low (about 4.5 inches)

Interpretive groups

Land capability (nonirrigated): 6e
Ecological site: Mountain Loam (R048AY228CO)

Typical profile

0 to 10 inches: Loam
10 to 25 inches: Loam
25 to 29 inches: Unweathered bedrock

Description of Splitro

Setting

Landform: Plateaus, mountainsides
Landform position (three-dimensional): Mountainflank
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Residuum derived from sandstone

Properties and qualities

Slope: 3 to 25 percent

Depth to restrictive feature: 10 to 20 inches to lithic bedrock
Drainage class: Well drained
Capacity of the most limiting layer to transmit water
(Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline (0.0 to 2.0 mmhos/cm)
Available water capacity: Very low (about 2.1 inches)

Interpretive groups

Land capability (nonirrigated): 6e
Ecological site: Mountain Loam (R048AY228CO)

Typical profile

0 to 1 inches: Slightly decomposed plant material
1 to 12 inches: Fine sandy loam
12 to 14 inches: Fine sandy loam
14 to 17 inches: Unweathered bedrock

Data Source Information

Soil Survey Area: Moffat County Area, Colorado
Survey Area Data: Version 6, Feb 4, 2008