

Map Unit Description

Moffat County Area, Colorado

162 Rock River sandy loam, 3 to 12 percent slopes

Setting

Elevation: 6200 to 7200 feet
Mean annual precipitation: 11 to 13 inches
Mean annual air temperature: 42 to 45 degrees F
Frost-free period: 75 to 95 days

Composition

Rock river and similar soils: 85 percent

Description of Rock river

Setting

Landform: Alluvial fans, benches, hillslopes
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Eolian deposits and residuum derived from sandstone

Properties and Qualities

Slope: 3 to 12 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.60 to 2.00 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Gypsum maximum: 0 percent
Available water capacity: Moderate (about 7.6 inches)

Interpretive Groups

Land capability (non irrigated): 4e
Ecological site: Rolling Loam (R034XY298CO)

Typical Profile

0 to 3 inches: sandy loam
3 to 22 inches: sandy clay loam
22 to 32 inches: sandy clay loam
32 to 60 inches: sandy loam

Map Unit Description

Moffat County Area, Colorado

197 Torriorthents-Rock outcrop, sandstone complex, 25 to 75 percent slopes

Setting

Elevation: 6000 to 11280 feet
Mean annual precipitation: 9 to 16 inches
Mean annual air temperature: 42 to 48 degrees F
Frost-free period: 75 to 105 days

Composition

Torriorthents and similar soils: 60 percent
Rock outcrop, sandstone: 30 percent

Description of Torriorthents

Setting

Landform: Hills, mountainsides
Landform position (two-dimensional): Backslope
Down-slope shape: Convex, linear
Across-slope shape: Convex, linear
Parent material: Residuum and colluvium derived from sandstone and shale

Properties and Qualities

Slope: 25 to 75 percent
Depth to restrictive feature: 4 to 30 inches to Lithic bedrock; 4 to 30 inches to Paralithic bedrock
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low or moderately high (0.06 to 0.20 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 10 percent
Gypsum maximum: 0 percent
Available water capacity: Very low (about 1.5 inches)

Interpretive Groups

Land capability (non irrigated): 7e

Typical Profile

0 to 2 inches: channery sandy loam
2 to 14 inches: channery clay loam
14 to 18 inches: unweathered bedrock

Description of Rock outcrop, sandstone

Properties and Qualities

Slope: 25 to 99 percent
Depth to restrictive feature: 0 to 0 inches to Lithic bedrock
Capacity of the most limiting layer to transmit water (Ksat): Very low (0.00 to 0.00 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Very low (about 0.0 inches)

Interpretive Groups

Land capability (non irrigated): 8

Typical Profile

0 to 60 inches: unweathered bedrock