

Douglas-Plateau Area, Colorado, Parts of Garfield and Mesa Counties

65—Torriorthents, cool-Rock outcrop complex, 35 to 90 percent slopes

Map Unit Setting

National map unit symbol: jnwj
Elevation: 6,200 to 8,500 feet
Mean annual precipitation: 16 to 20 inches
Mean annual air temperature: 42 to 44 degrees F
Frost-free period: 85 to 100 days
Farmland classification: Not prime farmland

Map Unit Composition

Torriorthents, cool, and similar soils: 50 percent
Rock outcrop: 40 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Torriorthents, Cool

Setting

Landform: Ridges, canyons, hills, mountains
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Mountainflank, side slope
Down-slope shape: Linear, concave
Across-slope shape: Convex, linear
Parent material: Colluvium derived from limestone and siltstone and/or colluvium derived from sandstone and shale and/or residuum weathered from limestone and siltstone and/or residuum weathered from sandstone and shale

Typical profile

H1 - 0 to 2 inches: channery loam
H2 - 2 to 13 inches: very channery loam, channery loam
H2 - 2 to 13 inches: weathered bedrock
H3 - 13 to 17 inches:

Properties and qualities

Slope: 35 to 90 percent
Depth to restrictive feature: 4 to 60 inches to lithic bedrock
Natural drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat):
Moderately low to high (0.06 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 15 percent

Salinity, maximum in profile: Slightly saline to moderately saline
(4.0 to 8.0 mmhos/cm)

Available water storage in profile: Very low (about 1.6 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: D

Hydric soil rating: No

Description of Rock Outcrop

Setting

Landform: Ridges, canyons, hills, mountains

Landform position (two-dimensional): Backslope

Landform position (three-dimensional): Free face, free face

Down-slope shape: Linear, concave

Across-slope shape: Convex, linear

Typical profile

H1 - 0 to 60 inches: unweathered bedrock

Properties and qualities

Slope: 35 to 90 percent

Depth to restrictive feature: 0 inches to lithic bedrock

Runoff class: Very high

Capacity of the most limiting layer to transmit water (Ksat): Very
low (0.00 to 0.00 in/hr)

Available water storage in profile: Very low (about 0.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 8s

Hydric soil rating: No

Minor Components

Cathedral

Percent of map unit: 5 percent

Hydric soil rating: No

Veatch

Percent of map unit: 5 percent

Hydric soil rating: No

Data Source Information

Soil Survey Area: Douglas-Plateau Area, Colorado, Parts of Garfield and Mesa
Counties

Survey Area Data: Version 9, Sep 23, 2016