

Map Unit Description

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

7 Biedsaw-Sunup gravelly loams, 10 to 40 percent slopes

Setting

Elevation: 5100 to 6600 feet
Mean annual precipitation: 12 to 14 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 100 to 150 days

Composition

Biedsaw and similar soils: 45 percent
Sunup and similar soils: 25 percent

Description of Biedsaw

Setting

Landform: Ridges, mountains
Landform position (two-dimensional): Backslope, footslope
Down-slope shape: Concave, convex
Across-slope shape: Linear
Parent material: Wasatch shale formation colluvium over wasatch shale formation residuum

Properties and Qualities

Slope: 10 to 40 percent
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
Salinity maximum: Non saline or very slightly saline (2.0 to 4.0 mmhos/cm)
Sodium adsorption ratio maximum: 5.0
Available water capacity: High (about 10.8 inches)

Interpretive Groups

Land capability (non irrigated): 7e
Ecological site: Juniperus osteosperma-Pinus ed (F034XY447CO)

Typical Profile

0 to 4 inches: gravelly loam
4 to 9 inches: loam
9 to 43 inches: clay loam, silty clay loam, clay
43 to 60 inches: silty clay loam, clay

Description of Sunup

Setting

Landform: Mountains, ridges
Landform position (two-dimensional): Backslope, footslope
Down-slope shape: Concave, convex
Across-slope shape: Linear
Parent material: Colluvium derived from shale and/or residuum weathered from shale

Properties and Qualities

Slope: 10 to 40 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 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
Salinity maximum: Non saline or very slightly saline (2.0 to 4.0 mmhos/cm)
Sodium adsorption ratio maximum: 5.0
Available water capacity: Very low (about 1.1 inches)

Interpretive Groups

Land capability (non irrigated): 7e

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

Ecological site: Juniperus osteosperma-Pinus ed (F034XY447CO)

Typical Profile

0 to 4 inches: gravelly loam

4 to 11 inches: very gravelly loam, extremely gravelly loam

11 to 15 inches: unweathered bedrock