

# 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

## Map Unit Description

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