

Map Unit Description

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

4 Barx-Clapper complex, 3 to 12 percent slopes

Setting

Elevation: 5600 to 7100 feet
Mean annual precipitation: 12 to 15 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 110 to 150 days

Composition

Barx and similar soils: 60 percent
Clapper and similar soils: 25 percent

Description of Barx

Setting

Landform: Plateaus
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Mixed material eolian deposits and/or mixed material residuum

Properties and Qualities

Slope: 3 to 12 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 25 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 9.9 inches)

Interpretive Groups

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

Typical Profile

0 to 3 inches: loam
3 to 14 inches: clay loam
14 to 40 inches: loam
40 to 60 inches: loam

Description of Clapper

Setting

Landform: Plateaus
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Material weathered from glacial till derived from basalt

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: 40 percent
Gypsum maximum: 0 percent
Sodium adsorption ratio maximum: 5.0
Available water capacity: Low (about 4.8 inches)

Interpretive Groups

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

Typical Profile

0 to 3 inches: very stony loam

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3 to 12 inches: very stony loam

12 to 26 inches: very cobbly loam

26 to 60 inches: very cobbly loam, extremely cobbly loam