

Map Unit Description

Jackson County Area, Colorado

Bs Bosler sandy loam

Setting

Elevation: 7800 to 8300 feet
Mean annual precipitation: 9 to 12 inches
Mean annual air temperature: 37 to 39 degrees F
Frost-free period: 35 to 45 days

Composition

Bosler and similar soils: 90 percent

Description of Bosler

Setting

Landform: Benches, terraces
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Old gravelly alluvium and/or outwash

Properties and Qualities

Slope: 2 to 5 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.20 to 2.00 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 20 percent
Gypsum maximum: 0 percent
Available water capacity: Low (about 4.5 inches)

Interpretive Groups

Land capability classification (irrigated): 5c
Land capability (non irrigated): 6c
Ecological site: Valley Bench (R048AY278CO)

Typical Profile

0 to 3 inches: sandy loam
3 to 15 inches: sandy clay loam
15 to 21 inches: sandy loam
21 to 60 inches: very gravelly loamy coarse sand

Map Unit Description

Jackson County Area, Colorado

Wa Walden sandy loam

Setting

Elevation: 7900 to 8200 feet
Mean annual precipitation: 9 to 12 inches
Mean annual air temperature: 36 to 38 degrees F
Frost-free period: 35 to 45 days

Composition

Walden and similar soils: 90 percent
Minor components: 10 percent

Description of Walden

Setting

Landform: Terraces, benches
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Calcareous alluvium

Properties and Qualities

Slope: 1 to 4 percent
Drainage class: Poorly drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.20 to 2.00 in/hr)
Depth to water table: About 0 to 12 inches
Frequency of flooding: Frequent
Frequency of ponding: None
Calcium carbonate maximum: 40 percent
Gypsum maximum: 0 percent
Sodium adsorption ratio maximum: 5.0
Available water capacity: Low (about 5.4 inches)

Interpretive Groups

Land capability classification (irrigated): 6w
Land capability (non irrigated): 6w

Typical Profile

0 to 10 inches: sandy loam
10 to 35 inches: sandy clay loam, gravelly sandy clay loam
35 to 60 inches: very gravelly loamy sand, very gravelly sand

Minor Components

Randman

Percent of map unit: 5 percent
Landform: Terraces

Dobrow

Percent of map unit: 5 percent
Landform: Terraces

Map Unit Description

Jackson County Area, Colorado

Gn Girardot silty clay loam

Setting

Elevation: 7820 to 8800 feet
Mean annual precipitation: 12 to 16 inches
Mean annual air temperature: 35 to 38 degrees F
Frost-free period: 30 to 35 days

Composition

Girardot and similar soils: 95 percent

Description of Girardot

Setting

Landform: Flood plains, stream terraces
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Calcareous alluvium

Properties and Qualities

Slope: 0 to 3 percent
Drainage class: Poorly drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr)
Depth to water table: About 0 to 6 inches
Frequency of flooding: Occasional
Frequency of ponding: None
Calcium carbonate maximum: 10 percent
Gypsum maximum: 0 percent
Available water capacity: High (about 9.8 inches)

Interpretive Groups

Land capability classification (irrigated): 5c
Land capability (non irrigated): 6c
Ecological site: Mountain Meadow (R048AY241CO)

Typical Profile

0 to 8 inches: silty clay loam
8 to 60 inches: sandy clay loam