

# 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