

# Map Unit Description

Jackson County Area, Colorado

Fh Fluetsch-Tiagos association

## Setting

Elevation: 8000 to 9000 feet  
Mean annual precipitation: 14 to 16 inches  
Mean annual air temperature: 36 to 39 degrees F  
Frost-free period: 30 to 40 days

## Composition

Fluetsch and similar soils: 45 percent  
Tiagos and similar soils: 45 percent

## Description of Fluetsch

### Setting

Landform: Alluvial fans  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Calcareous alluvium derived from sandstone and shale

### Properties and Qualities

Slope: 2 to 15 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: 10 percent  
Gypsum maximum: 0 percent  
Available water capacity: Moderate (about 7.4 inches)

### Interpretive Groups

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

### Typical Profile

0 to 10 inches: sandy loam  
10 to 30 inches: sandy clay loam  
30 to 60 inches: sandy loam

## Description of Tiagos

### Setting

Landform: Outwash terraces, valleys, terraces, alluvial fans  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Calcareous alluvium derived from sandstone and shale

### Properties and Qualities

Slope: 2 to 20 percent  
Drainage class: Well drained  
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 0 percent  
Gypsum maximum: 0 percent  
Available water capacity: Moderate (about 7.8 inches)

### Interpretive Groups

Land capability classification (irrigated): 6e  
Land capability (non irrigated): 6c  
Ecological site: Dry Mountain Loam (R048AY231CO)

### Typical Profile

0 to 12 inches: fine sandy loam  
12 to 60 inches: fine sandy loam

# Map Unit Description

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Bo Boettcher-Bundyman association

## Setting

Elevation: 8000 to 8800 feet  
Mean annual precipitation: 10 to 12 inches  
Mean annual air temperature: 36 to 38 degrees F  
Frost-free period: 35 to 45 days

## Composition

Boettcher and similar soils: 70 percent  
Bundyman and similar soils: 25 percent

## Description of Boettcher

### Setting

Landform: Terraces, ridges, hills  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Weathered from coalmont shale

### Properties and Qualities

Slope: 2 to 10 percent  
Depth to restrictive feature: 20 to 40 inches to Paralithic 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  
Available water capacity: Low (about 4.5 inches)

### Interpretive Groups

Land capability classification (irrigated): 6e  
Land capability (non irrigated): 6c

### Typical Profile

0 to 4 inches: clay loam  
4 to 13 inches: clay  
13 to 29 inches: clay  
29 to 33 inches: unweathered bedrock

## Description of Bundyman

### Setting

Landform: Hills  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Weathered from coalmont shale

### Properties and Qualities

Slope: 2 to 5 percent  
Depth to restrictive feature: 20 to 40 inches to Paralithic 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: 15 percent  
Gypsum maximum: 0 percent  
Available water capacity: Low (about 4.8 inches)

### Interpretive Groups

Land capability (non irrigated): 6c

### Typical Profile

0 to 4 inches: clay loam  
4 to 25 inches: clay loam  
25 to 29 inches: weathered bedrock

# Map Unit Description

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Fo Forelle loam

## Setting

Elevation: 7900 to 8400 feet  
Mean annual precipitation: 14 to 16 inches  
Mean annual air temperature: 36 to 38 degrees F  
Frost-free period: 35 to 45 days

## Composition

Forelle and similar soils: 90 percent

## Description of Forelle

### Setting

Landform: Valleys, alluvial fans  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Locally transported alluvium

### Properties and Qualities

Slope: 1 to 5 percent  
Drainage class: Well drained  
Capacity of the most limiting layer to transmit water (Ksat): Moderately low or moderately high (0.06 to 0.60 in/hr)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 15 percent  
Gypsum maximum: 0 percent  
Available water capacity: Moderate (about 8.6 inches)

### Interpretive Groups

Land capability classification (irrigated): 5c  
Land capability (non irrigated): 6c  
Ecological site: Dry Mountain Loam (R048AY231CO)

### Typical Profile

0 to 4 inches: loam  
4 to 20 inches: clay loam  
20 to 31 inches: gravelly clay loam  
31 to 60 inches: gravelly sandy clay loam