

# Map Unit Description

Moffat County Area, Colorado

## 107 Ironsprings-Maysprings-Gretdivid complex, 10 to 20 percent slopes

### Setting

Elevation: 6800 to 7300 feet  
Mean annual precipitation: 13 to 15 inches  
Mean annual air temperature: 42 to 45 degrees F  
Frost-free period: 75 to 95 days

### Composition

Ironsprings and similar soils: 40 percent  
Maysprings and similar soils: 25 percent  
Gretdivid and similar soils: 15 percent

### Description of Ironsprings

#### Setting

Landform: Hillslopes  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Colluvium derived from sandstone

#### Properties and Qualities

Slope: 10 to 20 percent  
Drainage class: Somewhat excessively 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: Low (about 4.9 inches)

#### Interpretive Groups

Land capability (non irrigated): 6e  
Ecological site: Sandy Land (R034XY330CO)

#### Typical Profile

0 to 14 inches: loamy coarse sand  
14 to 40 inches: coarse sandy loam  
40 to 60 inches: loamy coarse sand

### Description of Maysprings

#### Setting

Landform: Hills, hillslopes  
Landform position (two-dimensional): Summit  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Residuum derived from sandstone

#### Properties and Qualities

Slope: 10 to 20 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: 2 percent  
Gypsum maximum: 0 percent  
Available water capacity: Low (about 5.6 inches)

#### Interpretive Groups

Land capability (non irrigated): 6e  
Ecological site: Sandy Land (R034XY330CO)

#### Typical Profile

0 to 3 inches: loamy coarse sand  
3 to 26 inches: sandy clay loam  
26 to 36 inches: coarse sandy loam

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36 to 60 inches: coarse sand

## Description of Gretdivid

### Setting

Landform: Hillslopes, hills

Landform position (two-dimensional): Summit

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Residuum derived from sandstone

### Properties and Qualities

Slope: 10 to 20 percent

Drainage class: Somewhat excessively 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: 5 percent

Gypsum maximum: 0 percent

Available water capacity: Low (about 3.4 inches)

### Interpretive Groups

Land capability (non irrigated): 6e

Ecological site: Sandy Land (R034XY330CO)

### Typical Profile

0 to 3 inches: loamy coarse sand

3 to 7 inches: sandy clay loam

7 to 60 inches: coarse sand