

## Map Unit Description

Moffat County Area, Colorado

### 96 Heathcoat stony loam, 1 to 6 percent slopes, extremely stony

#### Setting

Elevation: 7300 to 8400 feet  
Mean annual precipitation: 16 to 18 inches  
Mean annual air temperature: 37 to 40 degrees F  
Frost-free period: 50 to 75 days

#### Composition

Heathcoat and similar soils: 85 percent

#### Description of Heathcoat

##### Setting

Landform: Plateaus  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Residuum derived from sandstone mantled by basalt rock fragments

##### Properties and Qualities

Slope: 1 to 6 percent  
Surface area covered with stones and boulders: 7.0 percent  
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: 35 percent  
Gypsum maximum: 0 percent  
Available water capacity: High (about 9.3 inches)

##### Interpretive Groups

Land capability (non irrigated): 6s  
Ecological site: Mountain Loam (R048AY228CO)

##### Typical Profile

0 to 13 inches: stony loam  
13 to 29 inches: clay loam  
29 to 60 inches: sandy clay loam

## Map Unit Description

Moffat County Area, Colorado

121      Leaps clay loam, 3 to 15 percent slopes, very stony

### Setting

Elevation: 7600 to 8600 feet

Mean annual precipitation: 20 to 22 inches

Mean annual air temperature: 37 to 40 degrees F

Frost-free period: 50 to 75 days

### Composition

Leaps and similar soils: 90 percent

### Description of Leaps

#### Setting

Landform: Mountainsides

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Colluvium derived from shale

#### Properties and Qualities

Slope: 3 to 15 percent

Surface area covered with stones and boulders: 2.0 percent

Drainage class: Well drained

Capacity of the most limiting layer to transmit water (Ksat): Very low or moderately low (0.00 to 0.06 in/hr)

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate maximum: 0 percent

Gypsum maximum: 0 percent

Available water capacity: High (about 10.2 inches)

#### Interpretive Groups

Land capability (non irrigated): 6c

Ecological site: ASPEN WOODLAND (R048AY449CO)

#### Typical Profile

0 to 1 inches: slightly decomposed plant material

1 to 15 inches: clay loam

15 to 39 inches: clay

39 to 60 inches: clay