

## Map Unit Description

Grand Mesa - West Elk Area, Colorado, Parts of Delta, Garfield, Gunnison, Mesa, and Montrose Counties

### 158 Herm-Fughes-Kolob family complex, 25 to 40 percent slopes

#### Setting

Elevation: 7000 to 9400 feet  
Mean annual precipitation: 16 to 24 inches  
Mean annual air temperature: 39 to 43 degrees F  
Frost-free period: 75 to 95 days

#### Composition

Herm and similar soils: 35 percent  
Fughes and similar soils: 30 percent  
Kolob family and similar soils: 25 percent

#### Description of Herm

##### Setting

Landform: Mountains  
Parent material: Interbedded alluvium derived from sandstone and shale and/or interbedded residuum weathered from sandstone and shale

##### Properties and Qualities

Slope: 25 to 40 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  
Calcium carbonate maximum: 0 percent  
Gypsum maximum: 0 percent  
Available water capacity: Moderate (about 8.8 inches)

##### Interpretive Groups

Land capability (non irrigated): 7e  
Ecological site: Mountain Clay Loam (R048AY248CO)

##### Typical Profile

0 to 9 inches: clay loam  
9 to 60 inches: clay

#### Description of Fughes

##### Properties and Qualities

Slope: 25 to 40 percent  
Depth to restrictive feature: 40 to 60 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  
Calcium carbonate maximum: 0 percent  
Gypsum maximum: 0 percent  
Available water capacity: Moderate (about 6.7 inches)

##### Interpretive Groups

Land capability (non irrigated): 7e  
Ecological site: Deep Clay Loam (R048AY247CO)

##### Typical Profile

0 to 19 inches: loam  
19 to 32 inches: clay loam, clay  
32 to 38 inches: gravelly clay loam  
38 to 47 inches: very gravelly loam  
47 to 51 inches: weathered bedrock

#### Description of Kolob family

##### Properties and Qualities

Slope: 25 to 40 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)

## Map Unit Description

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Frequency of flooding: None

Calcium carbonate maximum: 5 percent

Gypsum maximum: 0 percent

Available water capacity: Moderate (about 6.5 inches)

### Interpretive Groups

Land capability (non irrigated): 7e

Ecological site: Brushy Loam (R048AY238CO)

### Typical Profile

0 to 15 inches: clay loam

15 to 25 inches: very stony clay

25 to 34 inches: very stony clay loam

34 to 60 inches: very stony sandy clay loam