

# Map Unit Description

Douglas-Plateau Area, Colorado, Parts of Garfield and Mesa Counties

## 49 Hesperus-Pagoda complex, 3 to 12 percent slopes

### Setting

Elevation: 6200 to 7800 feet  
Mean annual precipitation: 18 to 22 inches  
Mean annual air temperature: 40 to 44 degrees F  
Frost-free period: 85 to 100 days

### Composition

Hesperus and similar soils: 45 percent  
Pagoda and similar soils: 40 percent

### Description of Hesperus

#### Setting

Landform: Fan terraces, hills  
Landform position (two-dimensional): Toeslope  
Down-slope shape: Concave  
Across-slope shape: Linear  
Parent material: Colluvium derived from sandstone and shale and/or residuum weathered from sandstone and shale

#### Properties and Qualities

Slope: 3 to 12 percent  
Drainage class: Well drained  
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 0 percent  
Gypsum maximum: 0 percent  
Available water capacity: High (about 11.2 inches)

#### Interpretive Groups

Land capability classification (irrigated): 4e  
Land capability (non irrigated): 4c  
Ecological site: Brushy Loam (R048AY238CO)

#### Typical Profile

0 to 7 inches: loam  
7 to 60 inches: clay loam, loam

### Description of Pagoda

#### Setting

Landform: Fan terraces, hills  
Landform position (two-dimensional): Toeslope  
Down-slope shape: Concave, linear  
Across-slope shape: Linear  
Parent material: Colluvium derived from sandstone and shale and/or residuum weathered from sandstone and shale

#### Properties and Qualities

Slope: 3 to 12 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: 15 percent  
Gypsum maximum: 0 percent  
Available water capacity: High (about 10.9 inches)

#### Interpretive Groups

Land capability classification (irrigated): 4e  
Land capability (non irrigated): 4e  
Ecological site: Brushy Loam (R048AY238CO)

#### Typical Profile

0 to 6 inches: clay loam  
6 to 17 inches: clay loam

## Map Unit Description

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17 to 27 inches: clay loam, clay  
27 to 60 inches: clay loam, clay