

Map Unit Description

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

47 Hesperus-Empedrado, moist-Pagoda complex 5 to 35 percent slopes

Setting

Elevation: 6200 to 8500 feet
Mean annual precipitation: 18 to 20 inches
Mean annual air temperature: 42 to 44 degrees F
Frost-free period: 85 to 100 days

Composition

Hesperus and similar soils: 35 percent
Empedrado, moist, and similar soils: 30 percent
Pagoda and similar soils: 20 percent

Description of Hesperus

Setting

Landform: Mountainsides
Down-slope shape: Concave
Across-slope shape: Linear
Parent material: Residuum weathered from sandstone and shale

Properties and Qualities

Slope: 5 to 35 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 (non irrigated): 6e
Ecological site: Brushy Loam (R048AY238CO)

Typical Profile

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

Description of Empedrado, moist

Setting

Landform: Benches
Down-slope shape: 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: 5 to 35 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.57 to 1.98 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 10 percent
Gypsum maximum: 0 percent
Available water capacity: High (about 9.7 inches)

Interpretive Groups

Land capability (non irrigated): 6e
Ecological site: Brushy Loam (R048AY238CO)

Typical Profile

0 to 10 inches: loam
10 to 21 inches: clay loam
21 to 28 inches: gravelly sandy clay loam
28 to 60 inches: loam

Map Unit Description

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

Description of Pagoda

Setting

Landform: Benches, mountains
Down-slope shape: Concave, linear
Across-slope shape: Linear
Parent material: Colluvium derived from shale

Properties and Qualities

Slope: 5 to 35 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 (non irrigated): 6e
Ecological site: Brushy Loam (R048AY238CO)

Typical Profile

0 to 6 inches: clay loam
6 to 17 inches: clay loam
17 to 27 inches: clay loam, clay
27 to 60 inches: clay loam, clay