

Map Unit Description

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

53 Pagoda-Hesperus complex, 12 to 40 percent slopes

Setting

Elevation: 7400 to 8000 feet
Mean annual precipitation: 18 to 22 inches
Frost-free period: 75 to 85 days

Composition

Pagoda and similar soils: 50 percent
Hesperus and similar soils: 20 percent

Description of Pagoda

Setting

Landform: Mudflows
Down-slope shape: Concave
Across-slope shape: Concave
Parent material: Alluvium derived from shale and/or colluvium derived from shale

Properties and Qualities

Slope: 12 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
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): 7e
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

Description of Hesperus

Setting

Landform: Hills
Landform position (two-dimensional): Backslope
Down-slope shape: Concave
Across-slope shape: Linear

Properties and Qualities

Slope: 12 to 40 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): 7e
Ecological site: Brushy Loam (R048AY238CO)

Typical Profile

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