

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

Map Unit Setting

National map unit symbol: k361

Elevation: 7,000 to 9,400 feet

Mean annual precipitation: 16 to 24 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 75 to 95 days

Farmland classification: Not prime farmland

Map Unit Composition

Herm and similar soils: 35 percent

Fughes and similar soils: 30 percent

Kolob family and similar soils: 25 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Herm

Setting

Landform: Mountains

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

Typical profile

H1 - 0 to 9 inches: clay loam

H2 - 9 to 60 inches: clay

Properties and qualities

Slope: 25 to 40 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Well drained

Runoff class: Very high

Capacity of the most limiting layer to transmit water (Ksat):

Moderately low to moderately high (0.06 to 0.20 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Available water storage in profile: Moderate (about 8.8 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: C

Ecological site: Mountain Clay Loam (R048AY248CO)

Hydric soil rating: No

Description of Fughes

Typical profile

H1 - 0 to 19 inches: loam
H2 - 19 to 32 inches: clay loam, clay
H2 - 19 to 32 inches: gravelly clay loam
H3 - 32 to 38 inches: very gravelly loam
H4 - 38 to 47 inches: weathered bedrock
H5 - 47 to 51 inches:

Properties and qualities

Slope: 25 to 40 percent
Depth to restrictive feature: 40 to 60 inches to paralithic bedrock
Natural drainage class: Well drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat):
Moderately low to moderately high (0.06 to 0.20 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: Moderate (about 8.8 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: C
Ecological site: Deep Clay Loam (R048AY247CO)
Hydric soil rating: No

Description of Kolob Family

Typical profile

H1 - 0 to 15 inches: clay loam
H2 - 15 to 25 inches: very stony clay
H3 - 25 to 34 inches: very stony clay loam
H4 - 34 to 60 inches: very stony sandy clay loam

Properties and qualities

Slope: 25 to 40 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat):
Moderately low to moderately high (0.06 to 0.20 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 5 percent
Available water storage in profile: Moderate (about 6.5 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e

Map Unit Description: Herm-Fughes-Kolob family complex, 25 to 40 percent slopes---Grand Mesa - West Elk Area, Colorado, Parts of Delta, Garfield, Gunnison, Mesa, and Montrose Counties

Hydrologic Soil Group: C
Ecological site: Brushy Loam (R048AY238CO)
Hydric soil rating: No

Minor Components

Borpark

Percent of map unit:
Hydric soil rating: No

Weed

Percent of map unit:
Hydric soil rating: No

Data Source Information

Soil Survey Area: Grand Mesa - West Elk Area, Colorado, Parts of Delta, Garfield, Gunnison, Mesa, and Montrose Counties
Survey Area Data: Version 6, Sep 23, 2016

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

195—Weed-Herm complex, 0 to 25 percent slopes

Map Unit Setting

National map unit symbol: k371
Elevation: 6,800 to 9,500 feet
Mean annual precipitation: 14 to 24 inches
Mean annual air temperature: 39 to 44 degrees F
Frost-free period: 75 to 100 days
Farmland classification: Not prime farmland

Map Unit Composition

Weed and similar soils: 50 percent
Herm and similar soils: 30 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Weed

Setting

Landform: Alluvial fans, valley floors, toes
Parent material: Interbedded alluvium derived from sandstone and shale and/or interbedded residuum weathered from sandstone and shale

Typical profile

H1 - 0 to 13 inches: loam
H2 - 13 to 30 inches: clay loam
H3 - 30 to 60 inches: loam

Properties and qualities

Slope: 0 to 25 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat):
Moderately high (0.20 to 0.60 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 10 percent
Available water storage in profile: High (about 10.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 6e
Hydrologic Soil Group: C
Ecological site: Mountain Loam (R048AY228CO)
Hydric soil rating: No

Description of Herm

Typical profile

H1 - 0 to 9 inches: clay loam

H2 - 9 to 60 inches: clay

Properties and qualities

Slope: 0 to 25 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Well drained

Runoff class: Very high

Capacity of the most limiting layer to transmit water (Ksat):

Moderately low to moderately high (0.06 to 0.20 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Available water storage in profile: Moderate (about 8.8 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 6e

Hydrologic Soil Group: C

Ecological site: Mountain Clay Loam (R048AY248CO)

Hydric soil rating: No

Minor Components

Godding

Percent of map unit:

Hydric soil rating: No

Kolob

Percent of map unit:

Hydric soil rating: No

Borpark

Percent of map unit:

Hydric soil rating: No

Data Source Information

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

Survey Area Data: Version 6, Sep 23, 2016