

Map Unit Description

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

122 Clayburn-Quander-Guero complex, 5 to 30 percent slopes

Setting

Elevation: 9200 to 10800 feet
Mean annual precipitation: 28 to 34 inches
Mean annual air temperature: 32 to 38 degrees F
Frost-free period: 50 to 65 days

Composition

Clayburn and similar soils: 35 percent
Quander and similar soils: 30 percent
Guero and similar soils: 20 percent

Description of Clayburn

Setting

Landform: Mesas, mountains
Landform position (two-dimensional): Summit
Parent material: Residuum weathered from andesite over colluvium derived from andesite over residuum weathered from rhyolite over colluvium derived from rhyolite over residuum weathered from tuff breccia over colluvium derived from tuff breccia

Properties and Qualities

Slope: 5 to 30 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
Calcium carbonate maximum: 0 percent
Gypsum maximum: 0 percent
Available water capacity: High (about 10.2 inches)

Interpretive Groups

Land capability (non irrigated): 6e
Ecological site: Subalpine Loam (R048AY250CO)

Typical Profile

0 to 19 inches: loam
19 to 60 inches: clay loam

Description of Quander

Properties and Qualities

Slope: 5 to 30 percent
Depth to restrictive feature: 40 to 60 inches to Lithic 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: Low (about 5.3 inches)

Interpretive Groups

Land capability (non irrigated): 6e
Ecological site: Stony Loam (R048AY237CO)

Typical Profile

0 to 10 inches: cobbly loam
10 to 14 inches: very cobbly loam
14 to 32 inches: very cobbly sandy clay loam
32 to 46 inches: cobbly sandy clay loam
46 to 50 inches: unweathered bedrock

Description of Guero

Properties and Qualities

Slope: 5 to 30 percent

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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 8.1 inches)

Interpretive Groups

Land capability (non irrigated): 7e

Ecological site: Subalpine Loam (R048AY250CO)

Typical Profile

0 to 18 inches: loam

18 to 60 inches: cobbly clay, cobbly clay loam

Map Unit Description

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

200 Wetopa-Wesdy complex, 5 to 65 percent slopes

Setting

Elevation: 7800 to 10400 feet
Mean annual precipitation: 24 to 34 inches
Mean annual air temperature: 34 to 42 degrees F
Frost-free period: 55 to 75 days

Composition

Wetopa and similar soils: 50 percent
Wesdy and similar soils: 35 percent

Description of Wetopa

Setting

Landform: Mountain slopes
Parent material: Interbedded colluvium derived from sandstone and shale and/or interbedded residuum weathered from sandstone and shale

Properties and Qualities

Slope: 5 to 65 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: High (about 9.9 inches)

Interpretive Groups

Land capability (non irrigated): 7e

Typical Profile

0 to 10 inches: clay loam
10 to 34 inches: clay, clay loam
34 to 60 inches: clay loam, clay

Description of Wesdy

Properties and Qualities

Slope: 5 to 65 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: Low (about 5.1 inches)

Interpretive Groups

Land capability (non irrigated): 7e

Typical Profile

0 to 7 inches: cobbly loam
7 to 11 inches: very cobbly silt loam
11 to 26 inches: very cobbly clay
26 to 60 inches: very cobbly clay