

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

24—Cochetopa-Clayburn complex, 12 to 40 percent slopes

Map Unit Setting

National map unit symbol: jnv2

Elevation: 7,800 to 8,800 feet

Mean annual precipitation: 22 to 25 inches

Frost-free period: 55 to 70 days

Farmland classification: Not prime farmland

Map Unit Composition

Cochetopa and similar soils: 50 percent

Clayburn and similar soils: 20 percent

Minor components: 30 percent

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

Description of Cochetopa

Setting

Landform: Mountains, hills

Landform position (two-dimensional): Toeslope, footslope, backslope

Landform position (three-dimensional): Mountainflank, side slope

Down-slope shape: Concave, convex

Across-slope shape: Linear

Parent material: Localized alluvium derived from shale and/or colluvium derived from shale

Typical profile

H1 - 0 to 20 inches: clay loam

H2 - 20 to 33 inches: clay loam

H3 - 33 to 45 inches: clay

H4 - 45 to 60 inches: clay loam

Properties and qualities

Slope: 12 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: High (about 10.9 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: C
Hydric soil rating: No

Description of Clayburn

Setting

Landform: Hills, mountains
Landform position (two-dimensional): Backslope, footslope, toeslope
Landform position (three-dimensional): Mountainflank, side slope
Down-slope shape: Convex, concave
Across-slope shape: Linear
Parent material: Colluvium derived from sandstone and shale

Typical profile

H1 - 0 to 13 inches: loam
H2 - 13 to 46 inches: clay loam
H3 - 46 to 60 inches: loam

Properties and qualities

Slope: 12 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 high (0.20 to 0.60 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: High (about 10.6 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: C
Hydric soil rating: No

Minor Components

Other soils

Percent of map unit: 30 percent
Hydric soil rating: No

Data Source Information

Soil Survey Area: Douglas-Plateau Area, Colorado, Parts of Garfield and Mesa Counties
Survey Area Data: Version 10, Oct 12, 2017