

Moffat County Area, Colorado

219—Youga loam, 3 to 15 percent slopes

Map Unit Setting

National map unit symbol: jpcd

Elevation: 7,000 to 7,800 feet

Mean annual precipitation: 18 to 20 inches

Mean annual air temperature: 37 to 40 degrees F

Frost-free period: 50 to 75 days

Farmland classification: Not prime farmland

Map Unit Composition

Youga and similar soils: 90 percent

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

Description of Youga

Setting

Landform: Plateaus

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Residuum derived from sandstone

Typical profile

H1 - 0 to 13 inches: loam

H2 - 13 to 39 inches: clay loam

H3 - 39 to 60 inches: sandy clay loam

Properties and qualities

Slope: 3 to 15 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Well drained

Runoff class: Medium

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 11.2 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 6c

Hydrologic Soil Group: C

Ecological site: Mountain Loam (R048AY228CO)

Data Source Information

Soil Survey Area: Moffat County Area, Colorado

Survey Area Data: Version 8, Sep 22, 2014

Moffat County Area, Colorado

22—Bulkley silty clay, 3 to 12 percent slopes

Map Unit Setting

National map unit symbol: jpcf

Elevation: 6,200 to 7,000 feet

Mean annual precipitation: 13 to 15 inches

Mean annual air temperature: 42 to 45 degrees F

Frost-free period: 75 to 95 days

Farmland classification: Not prime farmland

Map Unit Composition

Bulkley and similar soils: 80 percent

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

Description of Bulkley

Setting

Landform: Alluvial fans, hills

Landform position (two-dimensional): Toeslope

Landform position (three-dimensional): Talf

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Alluvium derived from shale

Typical profile

H1 - 0 to 4 inches: silty clay

H2 - 4 to 36 inches: clay

H3 - 36 to 60 inches: silty clay

Properties and qualities

Slope: 3 to 12 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): Very low to moderately low (0.00 to 0.06 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

Gypsum, maximum in profile: 1 percent

Salinity, maximum in profile: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Available water storage in profile: High (about 9.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 4e

Hydrologic Soil Group: D

Ecological site: Clayey Foothills (R034XY289CO)

Data Source Information

Soil Survey Area: Moffat County Area, Colorado

Survey Area Data: Version 8, Sep 22, 2014

