

Moffat County Area, Colorado

89—Grieves loamy fine sand, 12 to 25 percent slopes

Map Unit Setting

National map unit symbol: jpfy

Elevation: 5,800 to 6,800 feet

Mean annual precipitation: 11 to 13 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

Grieves and similar soils: 85 percent

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

Description of Grieves

Setting

Landform: Hills

Landform position (two-dimensional): Footslope

Landform position (three-dimensional): Head slope, nose slope, side slope, base slope

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Alluvium and residuum derived from sandstone

Typical profile

H1 - 0 to 2 inches: loamy fine sand

H2 - 2 to 30 inches: fine sandy loam

H3 - 30 to 60 inches: fine sandy loam

Properties and qualities

Slope: 12 to 25 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Somewhat excessively drained

Runoff class: Low

Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 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

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

Available water storage in profile: Moderate (about 7.7 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 6e

Hydrologic Soil Group: A

Ecological site: Sandy foothills (R034XY310CO)

Data Source Information

Soil Survey Area: Moffat County Area, Colorado
Survey Area Data: Version 8, Sep 22, 2014

Moffat County Area, Colorado

10—Battlement fine sandy loam, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: jp74

Elevation: 6,000 to 6,800 feet

Mean annual precipitation: 11 to 15 inches

Mean annual air temperature: 42 to 45 degrees F

Frost-free period: 75 to 95 days

Farmland classification: Prime farmland if irrigated

Map Unit Composition

Battlement and similar soils: 85 percent

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

Description of Battlement

Setting

Landform: Flood plains, stream terraces

Landform position (three-dimensional): Talf, rise, dip

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Alluvium from mixed sources

Typical profile

H1 - 0 to 3 inches: fine sandy loam

H2 - 3 to 60 inches: stratified sandy loam to silty clay loam

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Well drained

Runoff class: Low

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

Moderately high to high (0.20 to 2.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: Rare

Frequency of ponding: None

Calcium carbonate, maximum in profile: 10 percent

Salinity, maximum in profile: Nonsaline to very slightly saline (0.0 to 4.0 mmhos/cm)

Available water storage in profile: High (about 11.2 inches)

Interpretive groups

Land capability classification (irrigated): 4c

Land capability classification (nonirrigated): 4c

Hydrologic Soil Group: B

Ecological site: Foothill swale (R034XY285CO)

Data Source Information

Soil Survey Area: Moffat County Area, Colorado
Survey Area Data: Version 8, Sep 22, 2014