

Jackson County Area, Colorado

Cf—Coalmont-Fluetsch complex

Map Unit Setting

National map unit symbol: jpz4

Elevation: 8,000 to 8,300 feet

Mean annual precipitation: 10 to 12 inches

Mean annual air temperature: 37 to 38 degrees F

Frost-free period: 35 to 45 days

Farmland classification: Farmland of statewide importance

Map Unit Composition

Coalmont and similar soils: 50 percent

Fluetsch and similar soils: 30 percent

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

Description of Coalmont

Setting

Landform: Ridges, hills

Landform position (three-dimensional): Base slope, side slope, nose slope, head slope

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Weathered from coalmont shale

Typical profile

H1 - 0 to 4 inches: loam

H2 - 4 to 16 inches: clay

H3 - 16 to 20 inches: clay

H4 - 20 to 30 inches: clay loam

H5 - 30 to 34 inches: weathered bedrock

Properties and qualities

Slope: 5 to 12 percent

Depth to restrictive feature: 20 to 40 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

Calcium carbonate, maximum in profile: 15 percent

Available water storage in profile: Low (about 4.9 inches)

Interpretive groups

Land capability classification (irrigated): 6s

Land capability classification (nonirrigated): 6c

Hydrologic Soil Group: D

Ecological site: Claypan (R048AY296CO)

Hydric soil rating: No

Description of Fluetsch

Setting

Landform: Hills

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

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Weathered from coalmont shale

Typical profile

H1 - 0 to 10 inches: sandy loam

H2 - 10 to 30 inches: sandy clay loam

H3 - 30 to 60 inches: sandy loam

Properties and qualities

Slope: 5 to 12 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 to high (0.20 to 2.00 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

Available water storage in profile: Moderate (about 7.4 inches)

Interpretive groups

Land capability classification (irrigated): 6e

Land capability classification (nonirrigated): 6c

Hydrologic Soil Group: B

Ecological site: Valley Bench (R048AY278CO)

Hydric soil rating: No

Data Source Information

Soil Survey Area: Jackson County Area, Colorado

Survey Area Data: Version 7, Sep 22, 2014