

Jackson County Area, Colorado

CyF—Cryorthents, steep

Map Unit Setting

National map unit symbol: jpz1
Elevation: 7,980 to 9,200 feet
Mean annual precipitation: 15 to 20 inches
Mean annual air temperature: 30 to 37 degrees F
Frost-free period: 25 to 40 days
Farmland classification: Not prime farmland

Map Unit Composition

Cryorthents and similar soils: 95 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Cryorthents

Setting

Landform: Ridges, terraces
Landform position (three-dimensional): Upper third of mountainflank, crest
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Cobbly sandstone and shale

Typical profile

H1 - 0 to 4 inches: cobbly loam
H2 - 4 to 8 inches: cobbly loam
H3 - 8 to 15 inches: very cobbly loam
H4 - 15 to 19 inches: unweathered bedrock

Properties and qualities

Slope: 15 to 70 percent
Depth to restrictive feature: 5 to 40 inches to lithic 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
Available water storage in profile: Very low (about 1.5 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: D
Ecological site: Dry Exposure (R048AY235CO)

Hydric soil rating: No

Data Source Information

Soil Survey Area: Jackson County Area, Colorado
Survey Area Data: Version 7, Sep 22, 2014