

Jackson County Area, Colorado

KaE—Kather clay loam, 5 to 20 percent slopes

Map Unit Setting

National map unit symbol: jpzr

Elevation: 8,000 to 9,200 feet

Mean annual precipitation: 12 to 15 inches

Mean annual air temperature: 36 to 38 degrees F

Frost-free period: 30 to 40 days

Farmland classification: Not prime farmland

Map Unit Composition

Kather and similar soils: 90 percent

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

Description of Kather

Setting

Landform: Valleys

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Weathered from shale

Typical profile

H1 - 0 to 4 inches: clay loam

H2 - 4 to 32 inches: clay, clay loam

H2 - 4 to 32 inches: weathered bedrock

H3 - 32 to 36 inches:

Properties and qualities

Slope: 5 to 20 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: 3 percent

Available water storage in profile: High (about 10.8 inches)

Interpretive groups

Land capability classification (irrigated): 6c

Land capability classification (nonirrigated): 6c

Hydrologic Soil Group: D

Ecological site: Mountain Shale (R048AY244CO)

Hydric soil rating: No

Data Source Information

Soil Survey Area: Jackson County Area, Colorado
Survey Area Data: Version 9, Sep 10, 2018