

Routt Area, Colorado, Parts of Rio Blanco and Routt Counties

7E—Morapos loam, 12 to 25 percent slopes

Map Unit Setting

Elevation: 6,300 to 7,200 feet
Mean annual precipitation: 16 to 20 inches
Mean annual air temperature: 40 to 43 degrees F
Frost-free period: 80 to 110 days

Map Unit Composition

Morapos and similar soils: 85 percent
Minor components: 5 percent

Description of Morapos

Setting

Landform: Structural benches, hills
Landform position (three-dimensional): Nose slope, side slope, base slope, head slope
Parent material: Eolian deposits and/or slope alluvium over residuum weathered from shale

Properties and qualities

Slope: 12 to 25 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
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 content: 15 percent
Maximum salinity: Nonsaline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water capacity: High (about 9.2 inches)

Interpretive groups

Land capability (nonirrigated): 6e
Ecological site: Deep Loam (R034XY292CO)

Typical profile

0 to 6 inches: Loam
6 to 12 inches: Clay loam
12 to 16 inches: Clay
16 to 22 inches: Clay
22 to 32 inches: Clay
32 to 40 inches: Clay loam
40 to 60 inches: Clay loam

Minor Components

Aquolls

Percent of map unit: 5 percent

Landform: Drainageways

Data Source Information

Soil Survey Area: Routt Area, Colorado, Parts of Rio Blanco and Routt Counties

Survey Area Data: Version 4, Sep 25, 2007