

Map Unit Description

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

7E Morapos loam, 12 to 25 percent slopes

Setting

Elevation: 6300 to 7200 feet
Mean annual precipitation: 16 to 20 inches
Mean annual air temperature: 40 to 43 degrees F
Frost-free period: 80 to 110 days

Composition

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

Description of Morapos

Setting

Landform: Structural benches, hills
Parent material: Eolian deposits and/or slope alluvium over residuum weathered from shale

Properties and Qualities

Slope: 12 to 25 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low or moderately high (0.06 to 0.20 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Gypsum maximum: 0 percent
Sodium adsorption ratio maximum: 2.0
Available water capacity: High (about 9.2 inches)

Interpretive Groups

Land capability (non irrigated): 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 soils

Percent of map unit: 5 percent
Landform: Drainageways