

# 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