

# Map Unit Description

Douglas-Plateau Area, Colorado, Parts of Garfield and Mesa Counties

## 44 Happle very channery sandy loam, 3 to 12 percent slopes

### Setting

Elevation: 5200 to 6000 feet  
Mean annual precipitation: 12 to 15 inches  
Mean annual air temperature: 46 to 52 degrees F  
Frost-free period: 100 to 150 days

### Composition

Happle and similar soils: 80 percent

### Description of Happle

#### Setting

Landform: Alluvial fans  
Down-slope shape: Convex  
Across-slope shape: Linear  
Parent material: Green river formation alluvium derived from shale

#### Properties and Qualities

Slope: 3 to 12 percent  
Drainage class: Well drained  
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.57 to 2.00 in/hr)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 10 percent  
Gypsum maximum: 0 percent  
Available water capacity: Low (about 3.4 inches)

#### Interpretive Groups

Land capability (non irrigated): 4e  
Ecological site: Rolling Loam (R034XY298CO)

#### Typical Profile

0 to 7 inches: very channery sandy loam  
7 to 14 inches: very channery sandy loam  
14 to 32 inches: very channery sandy clay loam  
32 to 60 inches: extremely channery sandy loam