

# Map Unit Description

Rifle Area, Colorado, Parts of Garfield and Mesa Counties

## 51 Olney loam, 6 to 12 percent slopes

### Setting

Elevation: 5000 to 6500 feet

### Composition

Olney and similar soils: 85 percent

### Description of Olney

#### Setting

Landform: Valley sides, alluvial fans  
Down-slope shape: Convex, linear  
Across-slope shape: Convex, linear  
Parent material: Alluvium derived from sandstone and shale

#### Properties and Qualities

Slope: 6 to 12 percent  
Drainage class: Well drained  
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.60 to 2.00 in/hr)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 15 percent  
Gypsum maximum: 0 percent  
Available water capacity: Moderate (about 7.6 inches)

#### Interpretive Groups

Land capability classification (irrigated): 4e  
Land capability (non irrigated): 4e  
Ecological site: Rolling Loam (R048AY298CO)

#### Typical Profile

0 to 12 inches: loam  
12 to 33 inches: sandy clay loam  
33 to 43 inches: gravelly sandy clay loam  
43 to 60 inches: very gravelly sandy loam