

## Rifle Area, Colorado, Parts of Garfield and Mesa Counties

### 50—Olney loam, 3 to 6 percent slopes

#### Map Unit Setting

*Elevation:* 5,000 to 6,500 feet

#### Map Unit 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

##### Typical profile

*H1 - 0 to 12 inches:* neutral, loam

*H2 - 12 to 33 inches:* moderately alkaline, sandy clay loam

*H3 - 33 to 43 inches:* moderately alkaline, gravelly sandy clay loam

*H4 - 43 to 60 inches:* moderately alkaline, very gravelly sandy loam

##### Properties and qualities

*Slope:* 3 to 6 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Well drained

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately high to high (0.60 to 2.00 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum in profile:* 15 percent

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Available water storage in profile:* Moderate (about 7.6 inches)

##### Interpretive groups

*Farmland classification:* Prime farmland if irrigated

*Land capability classification (irrigated):* 3e

*Land capability classification (nonirrigated):* 3c

*Hydrologic Soil Group:* B

*Ecological site:* Rolling Loam (R048AY298CO)

## Data Source Information

Soil Survey Area: Rifle Area, Colorado, Parts of Garfield and Mesa Counties

Survey Area Data: Version 7, Dec 23, 2013