

Rifle Area, Colorado, Parts of Garfield and Mesa Counties

51—Olney loam, 6 to 12 percent slopes

Map Unit Setting

National map unit symbol: jnym

Elevation: 5,000 to 6,500 feet

Farmland classification: Farmland of statewide importance

Map Unit Composition

Olney and similar soils: 85 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Olney

Setting

Landform: Alluvial fans, valley sides

Down-slope shape: Linear, convex

Across-slope shape: Linear, convex

Parent material: Alluvium derived from sandstone and shale

Typical profile

H1 - 0 to 12 inches: loam

H2 - 12 to 33 inches: sandy clay loam

H3 - 33 to 43 inches: gravelly sandy clay loam

H4 - 43 to 60 inches: very gravelly sandy loam

Properties and qualities

Slope: 6 to 12 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Well drained

Runoff class: Medium

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 to very slightly saline (0.0 to 2.0 mmhos/cm)

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

Interpretive groups

Land capability classification (irrigated): 4e

Land capability classification (nonirrigated): 4e

Hydrologic Soil Group: B

Ecological site: Rolling Loam (R048AY298CO)

Hydric soil rating: No

Data Source Information

Soil Survey Area: Rifle Area, Colorado, Parts of Garfield and Mesa Counties
Survey Area Data: Version 9, Sep 22, 2015