

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