

Rifle Area, Colorado, Parts of Garfield and Mesa Counties

58—Potts-Ildefonso complex, 12 to 25 percent slopes

Map Unit Setting

Elevation: 5,000 to 6,500 feet

Map Unit Composition

Potts and similar soils: 60 percent

Ildefonso and similar soils: 30 percent

Description of Potts

Setting

Landform: Mesas, alluvial fans, valley sides

Down-slope shape: Convex, linear

Across-slope shape: Convex, linear

Parent material: Alluvium derived from basalt and/or alluvium derived from sandstone and shale

Typical profile

H1 - 0 to 4 inches: slightly alkaline, loam

H2 - 4 to 28 inches: slightly alkaline, clay loam

H3 - 28 to 60 inches: strongly alkaline, loam

Properties and qualities

Slope: 12 to 25 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 (0.20 to 0.60 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: High (about 10.3 inches)

Interpretive groups

Farmland classification: Not prime farmland

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 6e

Hydrologic Soil Group: C

Ecological site: Rolling Loam (R048AY298CO)

Description of Ildefonso

Setting

Landform: Valley sides, mesas, alluvial fans

Down-slope shape: Convex

Across-slope shape: Convex

Parent material: Alluvium derived from basalt and/or alluvium
derived from sandstone and shale

Typical profile

H1 - 0 to 8 inches: moderately alkaline, stony loam

H2 - 8 to 60 inches: moderately alkaline, very stony loam

Properties and qualities

Slope: 12 to 25 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 6.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum in profile: 35 percent

Salinity, maximum in profile: Nonsaline to very slightly saline (0.0 to
4.0 mmhos/cm)

Available water storage in profile: Low (about 5.1 inches)

Interpretive groups

Farmland classification: Not prime farmland

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 6e

Hydrologic Soil Group: A

Data Source Information

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

Survey Area Data: Version 7, Dec 23, 2013