

## 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