

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

### 59—Potts-Ildefonso complex, 25 to 45 percent slopes

#### Map Unit Setting

*National map unit symbol:* jnyw

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

*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Potts and similar soils:* 60 percent

*Ildefonso and similar soils:* 30 percent

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

#### Description of Potts

##### Setting

*Landform:* Alluvial fans, valley sides

*Down-slope shape:* Linear, convex

*Across-slope shape:* Linear, convex

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

##### Typical profile

*H1 - 0 to 4 inches:* loam

*H2 - 4 to 28 inches:* clay loam

*H3 - 28 to 60 inches:* loam

##### Properties and qualities

*Slope:* 25 to 40 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Well drained

*Runoff class:* Very high

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

*Available water storage in profile:* High (about 10.3 inches)

##### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 7e

*Hydrologic Soil Group:* C

*Ecological site:* Rolling Loam (R048AY298CO)

*Hydric soil rating:* No

## Description of Ildefonso

### Setting

*Landform:* Valley sides, 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:* stony loam

*H2 - 8 to 60 inches:* very stony loam

### Properties and qualities

*Slope:* 25 to 45 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 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 slightly saline (0.0 to 4.0  
mmhos/cm)

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

### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 7e

*Hydrologic Soil Group:* A

*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