

# Map Unit Description

Rifle Area, Colorado, Parts of Garfield and Mesa Counties

34 Ildefonso stony loam, 25 to 45 percent slopes

## Setting

Elevation: 5000 to 6500 feet

## Composition

Ildefonso and similar soils: 90 percent

## Description of Ildefonso

### Setting

Landform: Alluvial fans, valley sides, breaks

Down-slope shape: Convex, linear

Across-slope shape: Convex, linear

Parent material: Mixed alluvium derived from basalt

### Properties and Qualities

Slope: 25 to 45 percent

Drainage class: Well drained

Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.60 to 6.00 in/hr)

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate maximum: 35 percent

Gypsum maximum: 0 percent

Available water capacity: Low (about 5.1 inches)

### Interpretive Groups

Land capability (non irrigated): 7e

### Typical Profile

0 to 8 inches: stony loam

8 to 60 inches: very stony loam

# Map Unit Description

Rifle Area, Colorado, Parts of Garfield and Mesa Counties

54 Potts loam, 1 to 3 percent slopes

## Setting

Elevation: 5000 to 7000 feet

## Composition

Potts and similar soils: 85 percent

## Description of Potts

### Setting

Landform: Valley sides, benches, mesas

Down-slope shape: Convex, linear

Across-slope shape: Convex, linear

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

### Properties and Qualities

Slope: 1 to 3 percent

Drainage class: Well drained

Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr)

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate maximum: 15 percent

Gypsum maximum: 0 percent

Available water capacity: High (about 10.3 inches)

### Interpretive Groups

Land capability classification (irrigated): 3e

Land capability (non irrigated): 3c

Ecological site: Rolling Loam (R048AY298CO)

### Typical Profile

0 to 4 inches: loam

4 to 28 inches: clay loam

28 to 60 inches: loam

# Map Unit Description

Rifle Area, Colorado, Parts of Garfield and Mesa Counties

57 Potts-Ildefonso complex, 3 to 12 percent slopes

## Setting

Elevation: 5000 to 6500 feet

## Composition

Potts and similar soils: 60 percent  
Ildefonso and similar soils: 30 percent

## Description of Potts

### Setting

Landform: Valley sides, mesas  
Down-slope shape: Convex, linear  
Across-slope shape: Convex, linear  
Parent material: Alluvium derived from basalt and/or alluvium derived from sandstone and shale

### Properties and Qualities

Slope: 3 to 12 percent  
Drainage class: Well drained  
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 15 percent  
Gypsum maximum: 0 percent  
Available water capacity: High (about 10.3 inches)

### Interpretive Groups

Land capability (non irrigated): 4e  
Ecological site: Rolling Loam (R048AY298CO)

### Typical Profile

0 to 4 inches: loam  
4 to 28 inches: clay loam  
28 to 60 inches: loam

## Description of Ildefonso

### Setting

Landform: Mesas, valley sides  
Down-slope shape: Convex  
Across-slope shape: Convex  
Parent material: Alluvium derived from basalt and/or 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 6.00 in/hr)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 35 percent  
Gypsum maximum: 0 percent  
Available water capacity: Low (about 5.1 inches)

### Interpretive Groups

Land capability (non irrigated): 6e

### Typical Profile

0 to 8 inches: stony loam  
8 to 60 inches: very stony loam