

# Map Unit Description

Mesa County Area, Colorado

## 119 Ildefonso-Scholle complex, 6 to 30 percent slopes, extremely stony

### Setting

Elevation: 5550 to 6800 feet  
Mean annual precipitation: 10 to 13 inches  
Mean annual air temperature: 48 to 52 degrees F  
Frost-free period: 95 to 125 days

### Composition

Ildefonso and similar soils: 45 percent  
Scholle and similar soils: 40 percent

### Description of Ildefonso

#### Setting

Landform: Alluvial fans  
Down-slope shape: Convex  
Across-slope shape: Linear  
Parent material: Alluvium derived from basalt

#### Properties and Qualities

Slope: 6 to 30 percent  
Surface area covered with stones and boulders: 10.0 percent  
Drainage class: Well drained  
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 40 percent  
Gypsum maximum: 0 percent  
Available water capacity: Very low (about 2.6 inches)

#### Interpretive Groups

Land capability (non irrigated): 6s

#### Typical Profile

0 to 4 inches: extremely gravelly sandy loam  
4 to 12 inches: very gravelly fine sandy loam  
12 to 25 inches: very gravelly sandy loam  
25 to 60 inches: extremely stony sandy loam

### Description of Scholle

#### Setting

Landform: Alluvial fans  
Down-slope shape: Convex  
Across-slope shape: Linear  
Parent material: Alluvium derived from sandstone and shale and/or alluvium derived from basalt

#### Properties and Qualities

Slope: 6 to 30 percent  
Surface area covered with stones and boulders: 10.0 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: 40 percent  
Gypsum maximum: 0 percent  
Available water capacity: Low (about 5.4 inches)

#### Interpretive Groups

Land capability (non irrigated): 6e  
Ecological site: Semidesert Sandy Loam (R034XY326CO)

#### Typical Profile

0 to 3 inches: loam  
3 to 17 inches: stony clay loam  
17 to 36 inches: stony sandy clay loam

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36 to 60 inches: extremely cobbly sandy loam