

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

### 35—Ildefonso-Lazear complex, 6 to 65 percent slopes

#### Map Unit Setting

*National map unit symbol:* jny1

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

*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Ildefonso and similar soils:* 50 percent

*Lazear and similar soils:* 30 percent

*Minor components:* 5 percent

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

#### Description of Ildefonso

##### Setting

*Landform:* Breaks, hillsides

*Landform position (two-dimensional):* Backslope

*Landform position (three-dimensional):* Side slope

*Down-slope shape:* Convex

*Across-slope shape:* Convex

*Parent material:* Very calcareous, mixed, stony alluvium derived from basalt

##### Typical profile

*H1 - 0 to 8 inches:* stony loam

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

##### Properties and qualities

*Slope:* 6 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

## Description of Lazear

### Setting

*Landform:* Breaks, hillsides  
*Landform position (two-dimensional):* Backslope  
*Landform position (three-dimensional):* Side slope  
*Down-slope shape:* Convex  
*Across-slope shape:* Convex  
*Parent material:* Very calcareous, mixed, stony alluvium derived from basalt

### Typical profile

*H1 - 0 to 4 inches:* gravelly loam  
*H2 - 4 to 16 inches:* cobbly loam  
*H3 - 16 to 20 inches:* weathered bedrock

### Properties and qualities

*Slope:* 6 to 65 percent  
*Depth to restrictive feature:* 10 to 20 inches to lithic bedrock  
*Natural drainage class:* Well drained  
*Runoff class:* Very high  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately low to moderately high (0.06 to 0.20 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Calcium carbonate, maximum in profile:* 10 percent  
*Available water storage in profile:* Very low (about 1.8 inches)

### Interpretive groups

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 7e  
*Hydrologic Soil Group:* D  
*Hydric soil rating:* No

### Minor Components

#### Rock outcrop

*Percent of map unit:* 5 percent  
*Landform:* Breaks, hillsides  
*Landform position (two-dimensional):* Backslope  
*Landform position (three-dimensional):* Free face  
*Hydric soil rating:* No

## Data Source Information

Soil Survey Area: Rifle Area, Colorado, Parts of Garfield and Mesa Counties  
Survey Area Data: Version 10, Oct 12, 2017