

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