

Rifle Area, Colorado, Parts of Garfield and Mesa Counties

38—Irigul-Starman channery loams, 5 to 50 percent slopes

Map Unit Setting

National map unit symbol: jny4

Elevation: 7,800 to 9,000 feet

Farmland classification: Not prime farmland

Map Unit Composition

Irigul and similar soils: 55 percent

Starman and similar soils: 30 percent

Minor components: 15 percent

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

Description of Irigul

Setting

Landform: Mountainsides, ridges

Landform position (three-dimensional): Mountainflank

Down-slope shape: Convex

Across-slope shape: Convex

Parent material: Marl and/or residuum weathered from sandstone

Typical profile

H1 - 0 to 6 inches: channery loam

H2 - 6 to 17 inches: extremely channery sandy clay loam

H3 - 17 to 21 inches: unweathered bedrock

Properties and qualities

Slope: 5 to 50 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

Salinity, maximum in profile: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Available water storage in profile: Very low (about 1.2 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: D

Ecological site: Loamy Slopes (R048AY303CO)

Hydric soil rating: No

Description of Starman

Setting

Landform: Mountainsides, ridges
Landform position (three-dimensional): Mountainflank
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Marl and/or residuum weathered from sandstone

Typical profile

H1 - 0 to 3 inches: channery loam
H2 - 3 to 13 inches: extremely channery loam, very channery loam
H2 - 3 to 13 inches: unweathered bedrock
H3 - 13 to 17 inches:

Properties and qualities

Slope: 5 to 50 percent
Depth to restrictive feature: 3 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
Salinity, maximum in profile: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Available water storage in profile: Very low (about 1.6 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: D
Ecological site: Dry Exposure (R048AY235CO)
Hydric soil rating: No

Minor Components

Parachute

Percent of map unit: 15 percent
Landform: Mountainsides, ridges
Landform position (three-dimensional): Mountainflank
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