

Map Unit Description

Douglas-Plateau Area, Colorado, Parts of Garfield and Mesa Counties

50 Irigul-Starman channery loams, 5 to 35 percent slopes

Setting

Elevation: 7800 to 8400 feet
Mean annual precipitation: 18 to 22 inches
Mean annual air temperature: 36 to 40 degrees F
Frost-free period: 65 to 90 days

Composition

Irigul and similar soils: 40 percent
Starman and similar soils: 30 percent

Description of Irigul

Setting

Landform: Hills, mountains
Landform position (two-dimensional): Backslope, footslope, shoulder, summit, toeslope
Down-slope shape: Concave
Across-slope shape: Linear
Parent material: Hard residuum weathered from sandstone and shale

Properties and Qualities

Slope: 5 to 35 percent
Depth to restrictive feature: 5 to 20 inches to Lithic bedrock
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low or moderately high (0.06 to 0.20 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 0 percent
Gypsum maximum: 0 percent
Available water capacity: Very low (about 1.3 inches)

Interpretive Groups

Land capability (non irrigated): 7e
Ecological site: Loamy Slopes (R048AY303CO)

Typical Profile

0 to 6 inches: channery loam
6 to 13 inches: very channery loam
13 to 17 inches: unweathered bedrock

Description of Starman

Setting

Landform: Hills, mountains
Landform position (two-dimensional): Backslope, footslope, shoulder, summit, toeslope
Down-slope shape: Concave
Across-slope shape: Linear
Parent material: Residuum weathered from sandstone and shale

Properties and Qualities

Slope: 5 to 35 percent
Depth to restrictive feature: 3 to 20 inches to Lithic bedrock
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low or moderately high (0.06 to 0.20 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 10 percent
Gypsum maximum: 0 percent
Sodium adsorption ratio maximum: 5.0
Available water capacity: Very low (about 0.8 inches)

Interpretive Groups

Land capability (non irrigated): 7e
Ecological site: Dry Exposure (R048AY235CO)

Typical Profile

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0 to 1 inches: channery loam

1 to 11 inches: extremely channery loam, very channery loam

11 to 15 inches: unweathered bedrock