

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

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

#### Map Unit Setting

*National map unit symbol:* jnw0

*Elevation:* 7,800 to 8,400 feet

*Mean annual precipitation:* 18 to 22 inches

*Mean annual air temperature:* 36 to 40 degrees F

*Frost-free period:* 65 to 90 days

*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Irigul and similar soils:* 40 percent

*Starman and similar soils:* 30 percent

*Minor components:* 30 percent

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

#### Description of Irigul

##### Setting

*Landform:* Hills, mountains

*Landform position (two-dimensional):* Toeslope, footslope, backslope, shoulder, summit

*Landform position (three-dimensional):* Mountainflank, side slope

*Down-slope shape:* Concave

*Across-slope shape:* Linear

*Parent material:* Hard residuum weathered from sandstone and shale

##### Typical profile

*H1 - 0 to 6 inches:* channery loam

*H2 - 6 to 13 inches:* very channery loam

*H3 - 13 to 17 inches:* unweathered bedrock

##### Properties and qualities

*Slope:* 5 to 35 percent

*Depth to restrictive feature:* 5 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

*Available water storage in profile:* Very low (about 1.3 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:* Hills, mountains  
*Landform position (two-dimensional):* Toeslope, footslope, backslope, shoulder, summit  
*Down-slope shape:* Concave  
*Across-slope shape:* Linear  
*Parent material:* Residuum weathered from sandstone and shale

### **Typical profile**

*H1 - 0 to 1 inches:* channery loam  
*H2 - 1 to 11 inches:* very channery loam, extremely channery loam  
*H2 - 1 to 11 inches:* unweathered bedrock  
*H3 - 11 to 15 inches:*

### **Properties and qualities**

*Slope:* 5 to 35 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)  
*Sodium adsorption ratio, maximum in profile:* 5.0  
*Available water storage in profile:* Very low (about 1.5 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**

### **Other soils**

*Percent of map unit:* 30 percent

*Hydric soil rating:* No

## **Data Source Information**

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

Survey Area Data: Version 11, Sep 10, 2018