

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

### 56—Parachute-Irigul-Rhone association, 25 to 50 percent slopes MLRA 48A

#### Map Unit Setting

*National map unit symbol:* 2w4z7

*Elevation:* 7,600 to 8,800 feet

*Mean annual precipitation:* 18 to 22 inches

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

*Frost-free period:* 60 to 70 days

*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Parachute and similar soils:* 35 percent

*Rhone and similar soils:* 30 percent

*Irigul and similar soils:* 30 percent

*Minor components:* 5 percent

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

#### Description of Parachute

##### Setting

*Landform:* Mountain slopes

*Landform position (three-dimensional):* Mountainflank

*Down-slope shape:* Convex

*Across-slope shape:* Convex

*Parent material:* Colluvium over residuum weathered from sandstone and shale

##### Typical profile

*A - 0 to 10 inches:* loam

*Bw - 10 to 25 inches:* very channery loam

*R - 25 to 60 inches:* bedrock

##### Properties and qualities

*Slope:* 25 to 50 percent

*Depth to restrictive feature:* 20 to 39 inches to lithic bedrock

*Natural drainage class:* Well drained

*Capacity of the most limiting layer to transmit water (Ksat):* Low to moderately high (0.01 to 0.57 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:* Low (about 3.9 inches)

##### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated): 7e*  
*Hydrologic Soil Group: C*  
*Ecological site: Brushy Loam (R048AY238CO)*  
*Hydric soil rating: No*

## **Description of Rhone**

### **Setting**

*Landform: Mountain slopes*  
*Landform position (three-dimensional): Mountainflank*  
*Down-slope shape: Convex*  
*Across-slope shape: Concave*  
*Parent material: Colluvium over residuum weathered from sandstone and shale*

### **Typical profile**

*A1 - 0 to 10 inches: loam*  
*A2 - 10 to 39 inches: channery loam*  
*C - 39 to 55 inches: very channery loam*  
*R - 55 to 60 inches: bedrock*

### **Properties and qualities**

*Slope: 25 to 50 percent*  
*Depth to restrictive feature: 39 to 59 inches to lithic bedrock*  
*Natural drainage class: Well drained*  
*Capacity of the most limiting layer to transmit water (Ksat): Low to moderately high (0.01 to 0.57 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: Moderate (about 8.3 inches)*

### **Interpretive groups**

*Land capability classification (irrigated): None specified*  
*Land capability classification (nonirrigated): 7e*  
*Hydrologic Soil Group: B*  
*Ecological site: Brushy Loam (R048AY238CO)*  
*Hydric soil rating: No*

## **Description of Irigul**

### **Setting**

*Landform: Mountain slopes*  
*Landform position (three-dimensional): Mountainflank*  
*Down-slope shape: Concave*  
*Across-slope shape: Convex*  
*Parent material: Colluvium over residuum weathered from sandstone and shale*

### **Typical profile**

*A1 - 0 to 6 inches: channery loam*  
*A2 - 6 to 13 inches: very channery loam*

*R - 13 to 60 inches: bedrock*

**Properties and qualities**

*Slope: 25 to 50 percent*

*Depth to restrictive feature: 10 to 20 inches to lithic bedrock*

*Natural drainage class: Well drained*

*Capacity of the most limiting layer to transmit water (Ksat): Low to moderately high (0.01 to 0.57 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 1.5 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*

**Minor Components**

**Starman**

*Percent of map unit: 5 percent*

*Landform: Mountain slopes*

*Landform position (three-dimensional): Mountainflank*

*Down-slope shape: Linear*

*Across-slope shape: Concave*

*Ecological site: Dry Exposure (R048AY235CO)*

*Hydric soil rating: No*

**Data Source Information**

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

Survey Area Data: Version 9, Sep 23, 2016