

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

### 55—Parachute-Irigul complex, 5 to 30 percent slopes

#### Map Unit Setting

*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:* 65 to 90 days

#### Map Unit Composition

*Parachute and similar soils:* 60 percent  
*Irigul and similar soils:* 30 percent

#### Description of Parachute

##### Setting

*Landform:* Mountains  
*Landform position (two-dimensional):* Summit, shoulder  
*Landform position (three-dimensional):* Mountaintop  
*Down-slope shape:* Linear  
*Across-slope shape:* Convex  
*Parent material:* Residuum weathered from shale and siltstone and/or residuum weathered from sandstone and shale

##### Properties and qualities

*Slope:* 5 to 30 percent  
*Depth to restrictive feature:* 20 to 40 inches to paralithic bedrock  
*Drainage class:* Well drained  
*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 capacity:* Low (about 4.0 inches)

##### Interpretive groups

*Farmland classification:* Not prime farmland  
*Land capability (nonirrigated):* 6e  
*Hydrologic Soil Group:* C  
*Ecological site:* Mountain Loam (R048AY228CO)

##### Typical profile

*0 to 10 inches:* Loam  
*10 to 25 inches:* Very channery loam, extremely channery loam  
*25 to 29 inches:* Unweathered bedrock

#### Description of Irigul

##### Setting

*Landform:* Hills

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

*Landform position (three-dimensional):* Crest

*Down-slope shape:* Convex

*Across-slope shape:* Convex

*Parent material:* Residuum weathered from sandstone and shale

#### **Properties and qualities**

*Slope:* 5 to 30 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 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 capacity:* Very low (about 1.3 inches)

#### **Interpretive groups**

*Farmland classification:* Not prime farmland

*Land capability (nonirrigated):* 7e

*Hydrologic Soil Group:* D

*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

## **Data Source Information**

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

Survey Area Data: Version 6, Dec 23, 2013

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

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

#### Map Unit Setting

*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:* 65 to 80 days

#### Map Unit Composition

*Parachute and similar soils:* 35 percent  
*Irigul and similar soils:* 30 percent  
*Rhone and similar soils:* 20 percent

#### Description of Parachute

##### Setting

*Landform:* Mountains  
*Landform position (two-dimensional):* Summit, shoulder  
*Landform position (three-dimensional):* Mountaintop  
*Down-slope shape:* Linear  
*Across-slope shape:* Convex  
*Parent material:* Colluvium derived from sandstone and shale and/or residuum weathered from siltstone

##### Properties and qualities

*Slope:* 25 to 50 percent  
*Depth to restrictive feature:* 20 to 40 inches to paralithic bedrock  
*Drainage class:* Well drained  
*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 capacity:* Low (about 4.0 inches)

##### Interpretive groups

*Farmland classification:* Not prime farmland  
*Land capability (nonirrigated):* 7e  
*Hydrologic Soil Group:* C  
*Ecological site:* Brushy Loam (R048AY238CO)

##### Typical profile

*0 to 10 inches:* Loam  
*10 to 25 inches:* Very channery loam, extremely channery loam  
*25 to 29 inches:* Unweathered bedrock

## Description of Irigul

### Setting

*Landform:* Hills

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

*Landform position (three-dimensional):* Crest

*Down-slope shape:* Convex

*Across-slope shape:* Convex

*Parent material:* Residuum weathered from sandstone and shale

### Properties and qualities

*Slope:* 25 to 50 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 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 capacity:* Very low (about 1.3 inches)

### Interpretive groups

*Farmland classification:* Not prime farmland

*Land capability (nonirrigated):* 7e

*Hydrologic Soil Group:* D

*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 Rhone

### Setting

*Landform:* Hills, mountains

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

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

*Down-slope shape:* Concave

*Across-slope shape:* Concave

*Parent material:* Colluvium derived from sandstone and shale and/or residuum weathered from sandstone and shale

### Properties and qualities

*Slope:* 25 to 50 percent

*Depth to restrictive feature:* 40 to 60 inches to paralithic bedrock

*Drainage class:* Well drained

*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 capacity:* Moderate (about 7.5 inches)

**Interpretive groups**

*Farmland classification:* Not prime farmland  
*Land capability (nonirrigated):* 7e  
*Hydrologic Soil Group:* B  
*Ecological site:* Brushy Loam (R048AY238CO)

**Typical profile**

*0 to 10 inches:* Loam  
*10 to 39 inches:* Channery loam  
*39 to 55 inches:* Very channery loam  
*55 to 59 inches:* Unweathered bedrock

## Data Source Information

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

Survey Area Data: Version 6, Dec 23, 2013