

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

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

#### Map Unit Setting

*National map unit symbol:* 2w4zb

*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

*Famland classification:* Not prime farmland

#### Map Unit Composition

*Parachute and similar soils:* 60 percent

*Irigul and similar soils:* 30 percent

*Minor components:* 10 percent

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

#### Description of Parachute

##### Setting

*Landform:* Mountain slopes

*Landform position (three-dimensional):* Mountaintop

*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

*Cr - 25 to 59 inches:* bedrock

##### Properties and qualities

*Slope:* 5 to 30 percent

*Depth to restrictive feature:* 20 to 40 inches to paralithic bedrock

*Natural drainage class:* Well drained

*Capacity of the most limiting layer to transmit water (Ksat):* Low to moderately high (0.00 to 0.28 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Salinity, maximum in profile:* Nonsaline (0.0 to 1.0 mmhos/cm)

*Available water storage in profile:* Low (about 3.9 inches)

##### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 6e

*Hydrologic Soil Group:* C

*Ecological site:* Mountain Loam (R048AY228CO)

*Hydric soil rating:* No

### **Description of Irigul**

#### **Setting**

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

#### **Typical profile**

*A - 0 to 6 inches:* channery loam  
*C - 6 to 13 inches:* very channery loam  
*R - 13 to 59 inches:* bedrock

#### **Properties and qualities**

*Slope:* 5 to 30 percent  
*Depth to restrictive feature:* 5 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 (0.0 to 1.0 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):* 7s  
*Hydrologic Soil Group:* D  
*Ecological site:* Loamy Slopes (R048AY303CO)  
*Hydric soil rating:* No

### **Minor Components**

#### **Adel**

*Percent of map unit:* 5 percent  
*Landform:* Swales  
*Landform position (three-dimensional):* Mountaintop  
*Down-slope shape:* Linear  
*Across-slope shape:* Concave  
*Ecological site:* Subalpine Loam (R048AY250CO)  
*Hydric soil rating:* No

#### **Rhone**

*Percent of map unit:* 5 percent  
*Landform:* Mountain slopes  
*Landform position (three-dimensional):* Mountaintop  
*Down-slope shape:* Linear  
*Across-slope shape:* Convex  
*Ecological site:* Brushy Loam (R048AY238CO)

*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