

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

### 57—Parachute-Rhone loams, 5 to 30 percent slopes

#### Map Unit Setting

*National map unit symbol:* jnw7

*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:* 55 percent

*Rhone and similar soils:* 35 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

*R - 25 to 59 inches:* bedrock

##### Properties and qualities

*Slope:* 5 to 30 percent

*Depth to restrictive feature:* 20 to 40 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):* 6e

*Hydrologic Soil Group:* C

*Ecological site:* Mountain Loam (R048AY228CO)

## **Description of Rhone**

### **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**

*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:* 5 to 30 percent

*Depth to restrictive feature:* 40 to 60 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:* Moderate (about 8.3 inches)

### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 6e

*Hydrologic Soil Group:* B

*Ecological site:* Mountain Loam (R048AY228CO)

## **Minor Components**

### **Irigul**

*Percent of map unit:* 5 percent

*Landform:* Mountain slopes

*Landform position (three-dimensional):* Mountaintop

*Down-slope shape:* Linear

*Across-slope shape:* Convex

*Ecological site:* Loamy Slopes (R048AY303CO)

### **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)

## Data Source Information

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

Survey Area Data: Version 8, Sep 22, 2015

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

### 71—Utso-Rock outcrop complex, 40 to 90 percent slopes

#### Map Unit Setting

*National map unit symbol:* jnwr  
*Elevation:* 6,800 to 8,000 feet  
*Mean annual precipitation:* 15 to 20 inches  
*Mean annual air temperature:* 43 to 46 degrees F  
*Frost-free period:* 85 to 110 days  
*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Utso and similar soils:* 60 percent  
*Rock outcrop:* 25 percent  
*Minor components:* 15 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Utso

##### Setting

*Landform:* Mountains  
*Landform position (two-dimensional):* Backslope  
*Landform position (three-dimensional):* Mountainflank  
*Down-slope shape:* Concave  
*Across-slope shape:* Linear  
*Parent material:* Green river colluvium derived from shale

##### Typical profile

*H1 - 0 to 4 inches:* channery loam  
*H2 - 4 to 11 inches:* very channery loam  
*H3 - 11 to 60 inches:* very channery loam, extremely channery loam  
*H3 - 11 to 60 inches:*

##### Properties and qualities

*Slope:* 40 to 65 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Well drained  
*Runoff class:* High  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately high to high (0.60 to 2.00 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)  
*Available water storage in profile:* Moderate (about 8.9 inches)

### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 7e

*Hydrologic Soil Group:* B

### **Description of Rock Outcrop**

#### **Setting**

*Landform:* Mountains

*Landform position (two-dimensional):* Backslope

*Landform position (three-dimensional):* Mountainflank

*Down-slope shape:* Concave

*Across-slope shape:* Linear

#### **Typical profile**

*H1 - 0 to 60 inches:* unweathered bedrock

#### **Properties and qualities**

*Slope:* 40 to 90 percent

*Depth to restrictive feature:* 0 inches to lithic bedrock

*Runoff class:* Very high

*Capacity of the most limiting layer to transmit water (Ksat):* Very low to low (0.00 to 0.00 in/hr)

*Available water storage in profile:* Very low (about 0.0 inches)

### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 8s

### **Minor Components**

#### **Other soils**

*Percent of map unit:* 15 percent

## **Data Source Information**

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

Survey Area Data: Version 8, Sep 22, 2015