

## Fremont County Area, Colorado

### 5—Arents, 10 to 45 percent slopes

#### Map Unit Setting

*National map unit symbol:* jqjq

*Elevation:* 5,500 to 6,100 feet

*Mean annual precipitation:* 12 to 14 inches

*Mean annual air temperature:* 50 to 52 degrees F

*Frost-free period:* 130 to 150 days

*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Arents and similar soils:* 100 percent

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

#### Description of Arents

##### Setting

*Landform:* Hills

*Landform position (three-dimensional):* Side slope

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Coil-mining spoil and/or overburden material

##### Typical profile

*C1 - 0 to 11 inches:* channery loam

*C2 - 11 to 60 inches:* channery sandy clay loam

##### Properties and qualities

*Slope:* 10 to 45 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 (0.20 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:* 1 percent

*Salinity, maximum in profile:* Nonsaline to slightly saline (0.0 to 4.0 mmhos/cm)

*Available water storage in profile:* Low (about 5.8 inches)

##### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 7e

*Hydrologic Soil Group: B*

## **Data Source Information**

Soil Survey Area: Fremont County Area, Colorado  
Survey Area Data: Version 13, Sep 24, 2014

## Fremont County Area, Colorado

### 121—Ustic Torriorthents-Sedillo complex, 15 to 40 percent slopes

#### Map Unit Setting

*National map unit symbol:* jqh3  
*Elevation:* 5,800 to 6,700 feet  
*Mean annual precipitation:* 13 to 15 inches  
*Mean annual air temperature:* 48 to 52 degrees F  
*Frost-free period:* 130 to 160 days  
*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Ustic torriorthents and similar soils:* 70 percent  
*Sedillo and similar soils:* 20 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Ustic Torriorthents

##### Setting

*Landform:* Hills, fan terraces  
*Landform position (three-dimensional):* Side slope  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Parent material:* Colluvium derived from sedimentary rock and/or residuum weathered from sedimentary rock

##### Typical profile

*A - 0 to 2 inches:* very gravelly loam  
*C1 - 2 to 27 inches:* gravelly clay loam  
*C2 - 27 to 42 inches:* gravelly loam  
*Cr - 42 to 46 inches:* weathered bedrock

##### Properties and qualities

*Slope:* 15 to 40 percent  
*Depth to restrictive feature:* 15 to 60 inches to paralithic bedrock  
*Natural drainage class:* Well drained  
*Runoff class:* High  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately low to moderately high (0.06 to 0.60 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Calcium carbonate, maximum in profile:* 15 percent  
*Salinity, maximum in profile:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)  
*Available water storage in profile:* Low (about 5.7 inches)

##### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated): 7e*  
*Hydrologic Soil Group: C*

### **Description of Sedillo**

#### **Setting**

*Landform: Hills, fan terraces*  
*Landform position (three-dimensional): Side slope*  
*Down-slope shape: Linear*  
*Across-slope shape: Linear*

#### **Typical profile**

*A - 0 to 4 inches: extremely cobbly loam*  
*Bt - 4 to 10 inches: extremely cobbly sandy clay loam*  
*Bk1 - 10 to 35 inches: extremely stony sandy clay loam, extremely stony loam*  
*Bk1 - 10 to 35 inches: loam*  
*2Bk2 - 35 to 42 inches: loam*  
*2C - 42 to 60 inches:*

#### **Properties and qualities**

*Slope: 15 to 40 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: 35 percent*  
*Salinity, maximum in profile: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)*  
*Available water storage in profile: Moderate (about 7.0 inches)*

#### **Interpretive groups**

*Land capability classification (irrigated): None specified*  
*Land capability classification (nonirrigated): 7e*  
*Hydrologic Soil Group: B*

## **Data Source Information**

Soil Survey Area: Fremont County Area, Colorado  
Survey Area Data: Version 13, Sep 24, 2014

## Fremont County Area, Colorado

### 122—Wages loam, 2 to 9 percent slopes

#### Map Unit Setting

*National map unit symbol:* jqh4  
*Elevation:* 6,000 to 6,800 feet  
*Mean annual precipitation:* 14 to 16 inches  
*Mean annual air temperature:* 47 to 52 degrees F  
*Frost-free period:* 120 to 150 days  
*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Wages and similar soils:* 90 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Wages

##### Setting

*Landform:* Hills, fan terraces  
*Landform position (two-dimensional):* Footslope  
*Landform position (three-dimensional):* Base slope  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Parent material:* Alluvium and/or eolian deposits

##### Typical profile

*A - 0 to 5 inches:* loam  
*Bt - 5 to 21 inches:* clay loam, sandy clay loam  
*Bt - 5 to 21 inches:* loam, fine sandy loam, sandy clay loam  
*C - 21 to 60 inches:*  
*C - 21 to 60 inches:*  
*C - 21 to 60 inches:*

##### Properties and qualities

*Slope:* 2 to 9 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Well drained  
*Runoff class:* Medium  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately high to high (0.20 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:* 15 percent  
*Available water storage in profile:* Very high (about 22.9 inches)

##### Interpretive groups

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 4c  
*Hydrologic Soil Group:* B

*Ecological site:* Loamy Foothill 11-14 Inches P.Z. (R049XD202CO)

## Data Source Information

Soil Survey Area: Fremont County Area, Colorado  
Survey Area Data: Version 13, Sep 24, 2014