

## Weld County, Colorado, Northern Part

### 51—Peetz gravelly sandy loam, 5 to 20 percent slopes

#### Map Unit Setting

*National map unit symbol:* 3606

*Elevation:* 3,500 to 6,500 feet

*Mean annual precipitation:* 15 to 19 inches

*Mean annual air temperature:* 48 to 50 degrees F

*Frost-free period:* 120 to 150 days

*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Peetz and similar soils:* 80 percent

*Minor components:* 20 percent

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

#### Description of Peetz

##### Setting

*Landform:* Breaks, ridges

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

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Calcareous gravelly alluvium

##### Typical profile

*H1 - 0 to 4 inches:* gravelly sandy loam

*H2 - 4 to 60 inches:* very gravelly sand

##### Properties and qualities

*Slope:* 5 to 20 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Somewhat excessively drained

*Runoff class:* Low

*Capacity of the most limiting layer to transmit water (Ksat):* High (2.00 to 6.00 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum in profile:* 20 percent

*Available water storage in profile:* Low (about 3.1 inches)

##### Interpretive groups

*Land capability classification (irrigated):* 6e

*Land capability classification (nonirrigated):* 6e

*Hydrologic Soil Group:* A

*Ecological site:* Gravel breaks (R067BY063CO)

### **Minor Components**

#### **Wages**

*Percent of map unit:* 10 percent

#### **Altvan**

*Percent of map unit:* 5 percent

#### **Ascalon**

*Percent of map unit:* 3 percent

#### **Bushman**

*Percent of map unit:* 2 percent

## **Data Source Information**

Soil Survey Area: Weld County, Colorado, Northern Part

Survey Area Data: Version 10, Sep 23, 2014

## Weld County, Colorado, Northern Part

### 58—Rosebud fine sandy loam, 0 to 6 percent slopes

#### Map Unit Setting

*National map unit symbol:* 360f

*Elevation:* 2,500 to 5,500 feet

*Mean annual precipitation:* 14 to 19 inches

*Mean annual air temperature:* 46 to 57 degrees F

*Frost-free period:* 120 to 150 days

*Farmland classification:* Farmland of statewide importance

#### Map Unit Composition

*Rosebud and similar soils:* 85 percent

*Minor components:* 15 percent

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

#### Description of Rosebud

##### Setting

*Landform:* Plains

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Calcareous loamy residuum weathered from sandstone

##### Typical profile

*H1 - 0 to 5 inches:* fine sandy loam

*H2 - 5 to 10 inches:* clay loam

*H3 - 10 to 19 inches:* clay loam

*H4 - 19 to 24 inches:* sandy clay loam

*H5 - 24 to 38 inches:* sandy loam

*H6 - 38 to 41 inches:* weathered bedrock

##### Properties and qualities

*Slope:* 0 to 6 percent

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

*Natural drainage class:* Well drained

*Runoff class:* Low

*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

*Calcium carbonate, maximum in profile:* 15 percent

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 10.0

*Available water storage in profile:* Low (about 5.9 inches)

##### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated): 4e*  
*Hydrologic Soil Group: C*  
*Ecological site: Loamy plains (R067BY002CO)*

#### **Minor Components**

##### **Ascalon**

*Percent of map unit: 9 percent*

##### **Platner**

*Percent of map unit: 6 percent*

## **Data Source Information**

Soil Survey Area: Weld County, Colorado, Northern Part  
Survey Area Data: Version 10, Sep 23, 2014

## Weld County, Colorado, Northern Part

### 59—Rosebud fine sandy loam, 6 to 9 percent slopes

#### Map Unit Setting

*National map unit symbol:* 360g

*Elevation:* 2,500 to 5,500 feet

*Mean annual precipitation:* 14 to 19 inches

*Mean annual air temperature:* 46 to 57 degrees F

*Frost-free period:* 120 to 150 days

*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Rosebud and similar soils:* 85 percent

*Minor components:* 15 percent

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

#### Description of Rosebud

##### Setting

*Landform:* Plains

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Calcareous loamy residuum weathered from sandstone

##### Typical profile

*H1 - 0 to 4 inches:* fine sandy loam

*H2 - 4 to 16 inches:* clay loam

*H3 - 16 to 22 inches:* sandy clay loam

*H4 - 22 to 28 inches:* sandy loam

*H5 - 28 to 31 inches:* weathered bedrock

##### Properties and qualities

*Slope:* 6 to 9 percent

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

*Natural drainage class:* Well drained

*Runoff class:* Medium

*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

*Calcium carbonate, maximum in profile:* 15 percent

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 10.0

*Available water storage in profile:* Low (about 4.5 inches)

##### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 6e

*Hydrologic Soil Group: C*  
*Ecological site: Loamy plains (R067BY002CO)*

**Minor Components**

**Keith**

*Percent of map unit: 9 percent*

**Ascalon**

*Percent of map unit: 6 percent*

**Data Source Information**

Soil Survey Area: Weld County, Colorado, Northern Part  
Survey Area Data: Version 10, Sep 23, 2014