

## Weld County, Colorado, Southern Part

### 68—Ustic Torriorthents, moderately steep

#### Map Unit Setting

*National map unit symbol:* 3631

*Elevation:* 4,450 to 5,100 feet

*Mean annual precipitation:* 10 to 16 inches

*Mean annual air temperature:* 46 to 54 degrees F

*Frost-free period:* 120 to 160 days

*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Ustic torriorthents and similar soils:* 85 percent

*Minor components:* 15 percent

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

#### Description of Ustic Torriorthents

##### Setting

*Landform:* Breaks, escarpments

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Gravelly alluvium

##### Typical profile

*H1 - 0 to 10 inches:* gravelly sand

*H2 - 10 to 60 inches:* gravelly sand

##### Properties and qualities

*Slope:* 9 to 15 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Excessively drained

*Runoff class:* Low

*Capacity of the most limiting layer to transmit water (Ksat):* High to very high (5.95 to 19.98 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum in profile:* 5 percent

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

*Available water storage in profile:* Very low (about 1.8 inches)

##### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 7s

*Hydrologic Soil Group:* A

*Hydric soil rating:* No

### **Minor Components**

#### **Columbo**

*Percent of map unit:* 10 percent

*Hydric soil rating:* No

#### **Eckley**

*Percent of map unit:* 3 percent

*Hydric soil rating:* No

#### **Otero**

*Percent of map unit:* 2 percent

*Hydric soil rating:* No

## **Data Source Information**

Soil Survey Area: Weld County, Colorado, Southern Part

Survey Area Data: Version 15, Sep 22, 2016