

## Weld County, Colorado, Northern Part

### 17—Bushman fine sandy loam, 0 to 3 percent slopes

#### Map Unit Setting

*Elevation:* 5,000 to 6,000 feet

*Mean annual precipitation:* 11 to 15 inches

*Mean annual air temperature:* 45 to 46 degrees F

*Frost-free period:* 130 to 160 days

#### Map Unit Composition

*Bushman and similar soils:* 90 percent

*Minor components:* 10 percent

#### Description of Bushman

##### Setting

*Landform:* Alluvial fans

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Calcareous loamy alluvium

##### Typical profile

*H1 - 0 to 10 inches:* moderately alkaline, fine sandy loam

*H2 - 10 to 60 inches:* moderately alkaline, sandy loam

##### Properties and qualities

*Slope:* 0 to 3 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Well drained

*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:* 15 percent

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

*Available water storage in profile:* Moderate (about 8.4 inches)

##### Interpretive groups

*Farmland classification:* Farmland of statewide importance

*Land capability classification (irrigated):* 2e

*Land capability classification (nonirrigated):* 4e

*Hydrologic Soil Group:* B

*Ecological site:* Sandy Plains (R067BY024CO)

### **Minor Components**

#### **Wages**

*Percent of map unit:* 10 percent

## **Data Source Information**

Soil Survey Area: Weld County, Colorado, Northern Part

Survey Area Data: Version 9, Dec 23, 2013