

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