

Elbert County, Colorado, Western Part

44—Weld loam, 4 to 8 percent slopes

Map Unit Setting

National map unit symbol: jnl2

Elevation: 5,300 to 6,400 feet

Mean annual precipitation: 14 to 17 inches

Farmland classification: Not prime farmland

Map Unit Composition

Weld and similar soils: 80 percent

Minor components: 20 percent

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

Description of Weld

Setting

Landform: Hills

Landform position (three-dimensional): Side slope

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Silty eolian deposits

Typical profile

H1 - 0 to 5 inches: loam

H2 - 5 to 45 inches: silty clay loam, silty clay, clay

H2 - 5 to 45 inches: silt loam, loam, silty clay loam

H2 - 5 to 45 inches: silt loam, loam, sandy loam

H3 - 45 to 60 inches:

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H3 - 45 to 60 inches:

H4 - 60 to 64 inches:

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Properties and qualities

Slope: 4 to 8 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 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: 6 percent

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

Available water storage in profile: Very high (about 31.1 inches)

Interpretive groups

Land capability classification (irrigated): 4e

Land capability classification (nonirrigated): 4e

Hydrologic Soil Group: C

Ecological site: Loamy Foothill 14-19 P.Z. (R049XC202CO)

Hydric soil rating: No

Minor Components

Baca

Percent of map unit: 10 percent

Hydric soil rating: No

Wiley

Percent of map unit: 6 percent

Hydric soil rating: No

Bresser

Percent of map unit: 3 percent

Hydric soil rating: No

Aquic haplustoll

Percent of map unit: 1 percent

Landform: Swales

Hydric soil rating: Yes

Data Source Information

Soil Survey Area: Elbert County, Colorado, Western Part

Survey Area Data: Version 14, Sep 10, 2018