

Washington County, Colorado

78—Weld silt loam

Map Unit Setting

National map unit symbol: 35wx

Elevation: 4,200 to 5,900 feet

Mean annual precipitation: 12 to 17 inches

Mean annual air temperature: 48 to 52 degrees F

Frost-free period: 135 to 155 days

Farmland classification: Prime farmland if irrigated

Map Unit Composition

Weld and similar soils: 90 percent

Minor components: 10 percent

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

Description of Weld

Setting

Landform: Plains

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Loess

Typical profile

H1 - 0 to 5 inches: silt loam

H2 - 5 to 15 inches: silty clay

H3 - 15 to 19 inches: silty clay loam

H4 - 19 to 60 inches: loam

Properties and qualities

Slope: 0 to 2 percent

Depth to restrictive feature: More than 80 inches

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

Available water storage in profile: High (about 10.4 inches)

Interpretive groups

Land capability classification (irrigated): 2e

Land capability classification (nonirrigated): 3e

Hydrologic Soil Group: C

Ecological site: Loamy Plains (R067BY002CO)

Minor Components

Platner

Percent of map unit: 4 percent

Rago

Percent of map unit: 3 percent

Colby

Percent of map unit: 3 percent

Data Source Information

Soil Survey Area: Washington County, Colorado

Survey Area Data: Version 16, Sep 26, 2014