

Weld County, Colorado, Southern Part

23—Fort Collins loam, 0 to 1 percent slopes

Map Unit Setting

Elevation: 4,500 to 5,050 feet

Mean annual precipitation: 10 to 15 inches

Mean annual air temperature: 46 to 52 degrees F

Frost-free period: 130 to 170 days

Map Unit Composition

Fort collins and similar soils: 80 percent

Minor components: 20 percent

Description of Fort Collins

Setting

Landform: Terraces, plains

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Alluvium and/or modified by eolian deposits

Typical profile

H1 - 0 to 7 inches: neutral, loam

H2 - 7 to 11 inches: neutral, clay loam

H3 - 11 to 60 inches: strongly alkaline, fine sandy loam

Properties and qualities

Slope: 0 to 1 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Well drained

Capacity of the most limiting layer to transmit water (Ksat):

Moderately high to high (0.57 to 2.00 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 (0.0 to 2.0 mmhos/cm)

Available water storage in profile: High (about 10.1 inches)

Interpretive groups

Farmland classification: Prime farmland if irrigated

Land capability classification (irrigated): 2e

Land capability classification (nonirrigated): 4c

Hydrologic Soil Group: B

Ecological site: Loamy Plains (R067BY002CO)

Minor Components

Stoneham

Percent of map unit: 8 percent

Olney

Percent of map unit: 7 percent

Otero

Percent of map unit: 5 percent

Data Source Information

Soil Survey Area: Weld County, Colorado, Southern Part

Survey Area Data: Version 12, Jan 3, 2014