

Weld County, Colorado, Northern Part

27—Epping silt loam, 0 to 9 percent slopes

Map Unit Setting

National map unit symbol: 35zb

Elevation: 3,600 to 5,500 feet

Mean annual precipitation: 12 to 17 inches

Mean annual air temperature: 45 to 52 degrees F

Frost-free period: 120 to 150 days

Farmland classification: Not prime farmland

Map Unit Composition

Epping and similar soils: 85 percent

Minor components: 15 percent

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

Description of Epping

Setting

Landform: Plains

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Calcareous loamy residuum weathered from siltstone

Typical profile

H1 - 0 to 3 inches: silt loam

H2 - 3 to 17 inches: silt loam

H3 - 17 to 20 inches: weathered bedrock

Properties and qualities

Slope: 0 to 9 percent

Depth to restrictive feature: 10 to 20 inches to paralithic bedrock

Natural drainage class: Well drained

Runoff class: Medium

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: Very low (about 2.9 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 6s

Hydrologic Soil Group: D

Ecological site: Shallow siltstone (R067BY039CO)

Minor Components

Keota

Percent of map unit: 5 percent

Thedalund

Percent of map unit: 4 percent

Mitchell

Percent of map unit: 3 percent

Kim

Percent of map unit: 3 percent

Data Source Information

Soil Survey Area: Weld County, Colorado, Northern Part

Survey Area Data: Version 10, Sep 23, 2014