Weld County, Colorado, Northern Part

27—Epping silt loam, 0 to 9 percent slopes

Map Unit Setting

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

Map Unit Composition

Epping and similar soils: 85 percent
Minor components: 15 percent

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
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

Farmland classification: Not prime farmland
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 9, Dec 23, 2013