

## 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