

## 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)  
*Hydric soil rating:* No

### **Minor Components**

#### **Keota**

*Percent of map unit:* 5 percent

*Hydric soil rating:* No

#### **Thedalund**

*Percent of map unit:* 4 percent

*Hydric soil rating:* No

#### **Mitchell**

*Percent of map unit:* 3 percent

*Hydric soil rating:* No

#### **Kim**

*Percent of map unit:* 3 percent

*Hydric soil rating:* No

## **Data Source Information**

Soil Survey Area: Weld County, Colorado, Northern Part

Survey Area Data: Version 12, Oct 10, 2017