

## 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

##### Properties and qualities

*Slope:* 0 to 9 percent  
*Depth to restrictive feature:* 10 to 20 inches to paralithic bedrock  
*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 content:* 15 percent  
*Available water capacity:* Very low (about 2.9 inches)

##### Interpretive groups

*Land capability (nonirrigated):* 6s  
*Ecological site:* Shallow Siltstone (R067BY039CO)

##### Typical profile

*0 to 3 inches:* Silt loam  
*3 to 17 inches:* Silt loam  
*17 to 20 inches:* Weathered bedrock

#### 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 8, Apr 30, 2009