

## Weld County, Colorado, Northern Part

### 22—Cushman fine sandy loam, 6 to 9 percent slopes

#### Map Unit Setting

*Elevation:* 4,500 to 5,500 feet  
*Mean annual precipitation:* 12 to 15 inches  
*Mean annual air temperature:* 45 to 46 degrees F  
*Frost-free period:* 130 to 150 days

#### Map Unit Composition

*Cushman and similar soils:* 80 percent  
*Minor components:* 20 percent

#### Description of Cushman

##### Setting

*Landform:* Plains  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Parent material:* Calcareous loamy residuum weathered from sandstone and shale

##### Properties and qualities

*Slope:* 6 to 9 percent  
*Depth to restrictive feature:* 20 to 40 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:* Low (about 5.0 inches)

##### Interpretive groups

*Farmland classification:* Not prime farmland  
*Land capability (nonirrigated):* 6e  
*Hydrologic Soil Group:* C  
*Ecological site:* Loamy Plains (R067BY002CO)

##### Typical profile

*0 to 6 inches:* Fine sandy loam  
*6 to 10 inches:* Fine sandy loam  
*10 to 21 inches:* Clay loam  
*21 to 29 inches:* Clay loam  
*29 to 32 inches:* Weathered bedrock

#### Minor Components

##### Renohill

*Percent of map unit:* 10 percent

**Midway**

*Percent of map unit: 5 percent*

**Shingle**

*Percent of map unit: 5 percent*

## **Data Source Information**

Soil Survey Area: Weld County, Colorado, Northern Part

Survey Area Data: Version 9, Dec 23, 2013