Weld County, Colorado, Northern Part

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

Map Unit Setting

National map unit symbol: 35z5
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
Farmland classification: Not prime farmland

Map Unit Composition

Cushman and similar soils: 80 percent
Minor components: 20 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Cushman

Setting

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

Typical profile

H1 - 0 to 6 inches: fine sandy loam
H2 - 6 to 10 inches: fine sandy loam
H3 - 10 to 21 inches: clay loam
H4 - 21 to 29 inches: clay loam
H5 - 29 to 32 inches: weathered bedrock

Properties and qualities

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

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 6e
Hydrologic Soil Group: C
Ecological site: Loamy plains (R067BY002CO)

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