

Map Unit Description

Weld County, Colorado, Northern Part

Rohn state LD03-63-1HN
Rohn state LD03-62HN
Rohn state LD03-62-1HN
Rohn state LD10-69HN
Rohn state LD04-63-1HN
Rohn state LD04-62HN
Rohn state LD04-62-1HN
Rohn state LD09-69HN

22 Cushman fine sandy loam, 6 to 9 percent slopes

Setting

Elevation: 4500 to 5500 feet
Mean annual precipitation: 12 to 15 inches
Mean annual air temperature: 45 to 46 degrees F
Frost-free period: 130 to 150 days

Composition

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

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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 or moderately high (0.06 to 0.20 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Gypsum maximum: 0 percent
Available water capacity: Low (about 5.0 inches)

Interpretive Groups

Land capability (non irrigated): 6e
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

Map Unit Description

Weld County, Colorado, Northern Part

44 Olney fine sandy loam, 0 to 6 percent slopes

Setting

Elevation: 3500 to 5800 feet
Mean annual precipitation: 11 to 15 inches
Mean annual air temperature: 46 to 54 degrees F
Frost-free period: 125 to 175 days

Olney and similar soils: 85 percent
Minor components: 15 percent

Description of Olney

Setting

Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Calcareous loamy alluvium

Properties and Qualities

Slope: 0 to 6 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.57 to 2.00 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Gypsum maximum: 0 percent
Available water capacity: Moderate (about 8.1 inches)

Interpretive Groups

Land capability (non irrigated): 4c
Ecological site: Loamy Plains (R067BY002CO)

Typical Profile

0 to 6 inches: fine sandy loam
6 to 18 inches: sandy clay loam
18 to 60 inches: sandy loam
60 to 64 inches: sandy loam

Minor Components

Stoneham

Percent of map unit: 9 percent

Ascalon

Percent of map unit: 6 percent

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