

Map Unit Description

Weld County, Colorado, Northern Part

Vigilant State AC 16-03
Section 16, T7N, R63W
NE/NW

56 Renohill fine sandy loam, 6 to 9 percent slopes

Setting

Elevation: 3600 to 6200 feet
Mean annual precipitation: 11 to 16 inches
Mean annual air temperature: 46 to 48 degrees F
Frost-free period: 100 to 160 days

Composition

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

Description of Renohill

Setting

Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Calcareous, clayey loamy residuum weathered from 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 4 inches: fine sandy loam
4 to 17 inches: clay
17 to 29 inches: clay loam
29 to 33 inches: unweathered bedrock

Minor Components

Platner

Percent of map unit: 5 percent

Midway

Percent of map unit: 5 percent

Other soils

Percent of map unit: 3 percent

Ulm

Percent of map unit: 2 percent

Vigilant state AC 16-03

7N-63W-16'. NE/NW

Map Unit Description

Weld County, Colorado, Northern Part

55 Renohill fine sandy loam, 0 to 6 percent slopes

Setting

Elevation: 3600 to 6200 feet
Mean annual precipitation: 11 to 16 inches
Mean annual air temperature: 46 to 48 degrees F
Frost-free period: 100 to 160 days

Composition

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

Description of Renohill

Setting

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

Properties and Qualities

Slope: 0 to 6 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 5.4 inches)

Interpretive Groups

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

Typical Profile

0 to 5 inches: fine sandy loam
5 to 18 inches: clay
18 to 32 inches: clay loam
32 to 36 inches: unweathered bedrock

Minor Components

Shingle

Percent of map unit: 5 percent

Midway

Percent of map unit: 4 percent

Ulm

Percent of map unit: 3 percent

Other soils

Percent of map unit: 3 percent