

Map Unit Description

Weld County, Colorado, Northern Part

T1, 63 W, sec. 30

9 Avar fine sandy loam

Setting

Elevation: 4500 to 5500 feet
Mean annual precipitation: 11 to 14 inches
Mean annual air temperature: 46 to 48 degrees F
Frost-free period: 130 to 160 days

Composition

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

Description of Avar

Setting

Landform: Stream terraces, swales, flood plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Calcareous loamy alluvium

Properties and Qualities

Slope: 0 to 3 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low or moderately high (0.06 to 0.60 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Gypsum maximum: 0 percent
Salinity maximum: Very slightly saline or strongly saline (4.0 to 32.0 mmhos/cm)
Sodium adsorption ratio maximum: 250.0
Available water capacity: Moderate (about 6.6 inches)

Interpretive Groups

Land capability (non irrigated): 7s
Ecological site: Salt Flat (R067XY033CO)

Typical Profile

0 to 3 inches: fine sandy loam
3 to 8 inches: clay loam
8 to 60 inches: sandy clay loam

Minor Components

Fluvaquentic haplustolls

Percent of map unit: 6 percent
Landform: Terraces

Ascalon

Percent of map unit: 5 percent

Haverson

Percent of map unit: 4 percent

Nunn

Percent of map unit: 3 percent

Bankard

Percent of map unit: 2 percent

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

Map Unit Description

Weld County, Colorado, Northern Part

65 Terry sandy loam, 3 to 9 percent slopes

Setting

Elevation: 4000 to 6500 feet
Mean annual precipitation: 13 to 15 inches
Mean annual air temperature: 46 to 48 degrees F
Frost-free period: 120 to 180 days

Composition

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

Description of Terry

Setting

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

Properties and Qualities

Slope: 3 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 high (0.06 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: Low (about 3.7 inches)

Interpretive Groups

Land capability (non irrigated): 6e
Ecological site: Sandy Plains (R067BY024CO)

Typical Profile

0 to 5 inches: sandy loam
5 to 17 inches: fine sandy loam, sandy loam
17 to 32 inches: fine sandy loam, sandy loam, gravelly sandy loam
32 to 36 inches: weathered bedrock

Minor Components

Tassel

Percent of map unit: 5 percent

Olney

Percent of map unit: 4 percent

Vona

Percent of map unit: 3 percent

Renohill

Percent of map unit: 3 percent