

Map Unit Description T7N/R63W, Sec 36 SW/4SW/4

Weld County, Colorado, Northern Part Weld County, Colorado

63 Tassel loamy fine sand, 5 to 20 percent slopes

Setting

Elevation: 3500 to 6200 feet
Mean annual precipitation: 12 to 19 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 110 to 165 days

Composition

Tassel and similar soils: 90 percent
Minor components: 10 percent

Description of Tassel

Setting

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

Properties and Qualities

Slope: 5 to 20 percent
Depth to restrictive feature: 10 to 20 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: 10 percent
Gypsum maximum: 0 percent
Available water capacity: Very low (about 2.1 inches)

Interpretive Groups

Land capability (non irrigated): 6e
Ecological site: Sandstone Breaks (R067BY056CO)

Typical Profile

0 to 7 inches: loamy fine sand
7 to 19 inches: fine sandy loam
19 to 23 inches: weathered bedrock

Minor Components

Shingle

Percent of map unit: 5 percent

Rock outcrop

Percent of map unit: 5 percent

Crow Creek State AC36-78-1HN,
78HN, 79-1HN

Map Unit Description

T7N R63W, Sec36 SW/4SW/4

Weld County, Colorado, Northern Part

Weld County, Colorado

72 Vona loamy sand, 3 to 9 percent slopes

Setting

Elevation: 4000 to 5500 feet
Mean annual precipitation: 13 to 15 inches
Mean annual air temperature: 48 to 55 degrees F
Frost-free period: 130 to 160 days

Composition

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

Description of Vona

Setting

Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Calcareous sandy alluvium and/or eolian deposits

Properties and Qualities

Slope: 3 to 9 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 6.00 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Gypsum maximum: 0 percent
Available water capacity: Moderate (about 6.5 inches)

Interpretive Groups

Land capability (non irrigated): 6e
Ecological site: Deep Sand (R067BY015CO)

Typical Profile

0 to 2 inches: loamy sand
2 to 20 inches: fine sandy loam, sandy loam
20 to 60 inches: loamy sand

Minor Components

Remmit

Percent of map unit: 8 percent

Valent

Percent of map unit: 5 percent

Olney

Percent of map unit: 2 percent