

T4N - R66W - 6th PM
 SECTION 25 = NE₄ SE₄
 WELD COUNTY, CO

Map Unit Description

Weld County, Colorado, Southern Part

35 Loup-Boel loamy sands, 0 to 3 percent slopes

Setting

Elevation: 4550 to 4750 feet
 Mean annual precipitation: 11 to 15 inches
 Mean annual air temperature: 46 to 52 degrees F
 Frost-free period: 130 to 180 days

Composition

Loup and similar soils: 55 percent
 Boel and similar soils: 35 percent
 Minor components: 10 percent

Description of Loup

Setting

Landform: Swales, drainageways, streams
 Down-slope shape: Linear
 Across-slope shape: Linear
 Parent material: Sandy alluvium

Properties and Qualities

Slope: 0 to 3 percent
 Drainage class: Poorly drained
 Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)
 Depth to water table: About 0 to 18 inches
 Frequency of flooding: None
 Frequency of ponding: None
 Calcium carbonate maximum: 5 percent
 Gypsum maximum: 0 percent
 Available water capacity: Low (about 5.2 inches)

Interpretive Groups

Land capability classification (irrigated): 4w
 Land capability (non irrigated): 6w
 Ecological site: Sandy Meadow (R067BY029CO)

Typical Profile

0 to 16 inches: loamy sand
 16 to 40 inches: loamy sand
 40 to 60 inches: sandy loam

Description of Boel

Setting

Landform: Drainageways, streams, swales
 Down-slope shape: Linear
 Across-slope shape: Linear
 Parent material: Stratified sandy alluvium

Properties and Qualities

Slope: 0 to 3 percent
 Drainage class: Somewhat poorly drained
 Capacity of the most limiting layer to transmit water (Ksat): High or very high (5.95 to 19.98 in/hr)
 Depth to water table: About 18 to 36 inches
 Frequency of flooding: None
 Frequency of ponding: None
 Calcium carbonate maximum: 5 percent
 Gypsum maximum: 0 percent
 Available water capacity: Low (about 4.2 inches)

Interpretive Groups

Land capability classification (irrigated): 4w
 Land capability (non irrigated): 6w
 Ecological site: Sandy Meadow (R067BY029CO)

Typical Profile

T4N - R66W - 64 PM
SECTION 25 : NE₄ SE₄
WELD COUNTY, CO**Map Unit Description**

Weld County, Colorado, Southern Part

0 to 14 inches: loamy sand
14 to 60 inches: loamy sand

Minor Components**Osgood**

Percent of map unit: 5 percent

Valent

Percent of map unit: 5 percent

69

Valent sand, 0 to 3 percent slopes

Setting

Elevation: 4650 to 5100 feet
Mean annual precipitation: 13 to 19 inches
Mean annual air temperature: 48 to 52 degrees F
Frost-free period: 130 to 180 days

Composition

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

Description of Valent**Setting**

Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Eolian deposits

Properties and Qualities

Slope: 0 to 3 percent
Drainage class: Excessively drained
Capacity of the most limiting layer to transmit water (Ksat): High or very high (5.95 to 19.98 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 0 percent
Gypsum maximum: 0 percent
Available water capacity: Very low (about 2.6 inches)

Interpretive Groups

Land capability classification (irrigated): 4e
Land capability (non irrigated): 6e
Ecological site: Deep Sand (R067BY015CO)

Typical Profile

0 to 8 inches: fine sand
8 to 60 inches: sand

Minor Components**Osgood**

Percent of map unit: 10 percent

T4N - R66W - 6th PM
SECTION 25 : NE¹/₄ SE¹/₄
WELD COUNTY, CO

Map Unit Description

Weld County, Colorado, Southern Part

72

Vona loamy sand, 0 to 3 percent slopes

Setting

Elevation: 4600 to 5200 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: Terraces, plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium and/or eolian deposits

Properties and Qualities

Slope: 0 to 3 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 classification (irrigated): 3e
Land capability (non irrigated): 4e
Ecological site: Sandy Plains (R067BY024CO)

Typical Profile

0 to 6 inches: loamy sand
6 to 28 inches: fine sandy loam
28 to 60 inches: sandy loam

Minor Components

Remmit

Percent of map unit: 10 percent

Valent

Percent of map unit: 5 percent