Map Unit Description

Weld County, Colorado, Southern Part

FRONT RANGE RM-28D
PRODUCTION FACILITY
T4N - R66W
Sec 17: NENE

29 Julesburg sandy loam, 0 to 1 percent slopes

Setting

Elevation: 4700 to 4800 feet
Mean annual precipitation: 15 to 19 inches
Mean annual air temperature: 48 to 52 degrees F
Frost-free period: 145 to 155 days

Composition

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

Description of Julesburg

Setting

Landform: Terraces
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: South platte river alluvium

Properties and Qualities

Slope: 0 to 1 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 0 percent
Gypsum maximum: 0 percent
Available water capacity: Moderate (about 6.5 inches)

Interpretive Groups

Land capability classification (irrigated): 2s
Land capability (non irrigated): 3e
Ecological site: Sandy Plains (R067BY024CO)

Typical Profile

0 to 12 inches: sandy loam
12 to 27 inches: sandy loam
27 to 60 inches: sand

Minor Components

Edgar
Percent of map unit: 4 percent

Remmit
Percent of map unit: 4 percent

Valent
Percent of map unit: 4 percent

Vona
Percent of map unit: 3 percent

Map Unit Description

Weld County, Colorado, Southern Part

FRONT RANGE K17-28D
PRODUCTION FACILITY
T4N- R66W
Sec 17: NENE

68 Ustic Torriorthents, moderately steep

Setting

Elevation: 4450 to 5100 feet
Mean annual precipitation: 10 to 16 inches
Mean annual air temperature: 46 to 54 degrees F
Frost-free period: 120 to 160 days

Composition

Ustic torriorthents and similar soils: 85 percent
Minor components: 15 percent

Description of Ustic torriorthents

Setting

Landform: Escarpments, breaks
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Gravelly alluvium

Properties and Qualities

Slope: 9 to 15 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: 5 percent
Gypsum maximum: 0 percent
Available water capacity: Very low (about 1.8 inches)

Interpretive Groups

Land capability (non irrigated): 7s

Typical Profile

0 to 10 inches: gravelly sand
10 to 60 inches: gravelly sand

Minor Components

Columbo
Percent of map unit: 10 percent

Eckley
Percent of map unit: 3 percent

Otero
Percent of map unit: 2 percent

Map Unit Description

Weld County, Colorado, Southern Part

FRONT RANGE K17-28D
PRODUCTION FACILITY
T4N- R66W
Sec 17: NENE

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