MOSER PC H22-24, ZID & FRANK PC H22-20D
T3N - R65W - 6TH P.M.
SECTION 22: SE/4 SW/4
WELD COUNTY, COLORADO

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

MOSER PC H22-24, 21D & FRANK PC H22-20D
T3N - R65W - 6TH P.M.
SECTION 22: SE/4SW/4
WELD COUNTY, COLORADO

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

49 Osgood sand, 0 to 3 percent slopes

Setting

Elevation: 4680 to 4900 feet
Mean annual precipitation: 13 to 15 inches
Mean annual air temperature: 46 to 55 degrees F
Frost-free period: 140 to 150 days

Composition

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

Description of Osgood

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

Properties and Qualities
Slope: 0 to 3 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: Low (about 4.8 inches)

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

Typical Profile
0 to 22 inches: sand
22 to 34 inches: sandy loam
34 to 60 inches: sand

Minor Components

Valent
Percent of map unit: 10 percent

Dailey
Percent of map unit: 5 percent