GARCIA USX AB35-23, 35-10D FACILITIES
T7N-R64W SEC 35: NESE

Map Unit Description

Weld County, Colorado, Southern Part

51 Otero sandy loam, 1 to 3 percent slopes

Setting

Elevation: 4700 to 5250 feet
Mean annual precipitation: 12 to 15 inches
Mean annual air temperature: 48 to 52 degrees F
Frost-free period: 130 to 180 days

Composition

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

Description of Otero

Setting

Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Eolian deposits and/or mixed outwash

Properties and Qualities

Slope: 1 to 3 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.57 to 5.95 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 10 percent
Gypsum maximum: 0 percent
Available water capacity: Moderate (about 7.7 inches)

Interpretive Groups

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

Typical Profile

0 to 12 inches: sandy loam
12 to 60 inches: fine sandy loam

Minor Components

Kim

Percent of map unit: 10 percent

Vona

Percent of map unit: 5 percent

GARCIA USX AB 35-23, 35-100 FACILITIES
T7N-R64W SEC 35: NESE

Map Unit Description

Weld County, Colorado, Southern Part

64 Thedalund loam, 1 to 3 percent slopes

Setting

Elevation: 4900 to 5250 feet
Mean annual precipitation: 13 to 15 inches
Mean annual air temperature: 46 to 48 degrees F
Frost-free period: 130 to 160 days

Composition

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

Description of Thedalund

Setting

Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Residuum weathered from shale

Properties and Qualities

Slope: 1 to 3 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 4.9 inches)

Interpretive Groups

Land capability classification (irrigated): 4s
Land capability (non irrigated): 4e
Ecological site: Loamy Plains (R067BY002CO)

Typical Profile

0 to 8 inches: loam
8 to 29 inches: loam
29 to 33 inches: weathered bedrock

Minor Components

Ulm

Percent of map unit: 10 percent

GARCIA USX AB35-23, 35-100 FACILITIES
T7N-R64W SEC 35: NESE

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