

Wells Ranch AE 30-67-1A#1
 67-1HNC
 67-1B#1A
 66HNC
 66-1A#1A
 66-1HNC
 AE30-66-1B#1A
 65HNC
 65-1A#1A
 65-1HNC
 65-1B#1A
 64HNC

Map Unit Description

Weld County, Colorado, Southern Part

44 Olney loamy sand, 1 to 3 percent slopes

Setting

Elevation: 4600 to 5200 feet
 Mean annual precipitation: 11 to 15 inches
 Mean annual air temperature: 46 to 54 degrees F
 Frost-free period: 125 to 175 days

Composition

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

T6N R62W
 Sec 29: SWNW
 Weld County, CO

Description of Olney

Setting

Landform: Plains
 Down-slope shape: Linear
 Across-slope shape: Linear
 Parent material: Mixed deposit 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 (0.60 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: Moderate (about 6.5 inches)

Interpretive Groups

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

Typical Profile

0 to 10 inches: loamy sand
 10 to 20 inches: sandy clay loam
 20 to 25 inches: sandy clay loam
 25 to 60 inches: fine sandy loam

Minor Components

Vona

Percent of map unit: 8 percent

Zigweid

Percent of map unit: 7 percent

Wells Ranch AE30-67-1A111
 67-1A11C
 67-1B11A
 66A11C
 66-1A11A
 66-1A11C
 AE30-66-1B11A
 65A11C
 65-1A11A
 65-1A11C
 65-1B11A
 64A11C

Map Unit Description

Weld County, Colorado, Southern Part

74 Vona loamy sand, 5 to 9 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

T6W R62W
 Sec 29: SWNW
 Weld County, CO

Description of Vona

Setting

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

Properties and Qualities

Slope: 5 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 classification (irrigated): 6e
 Land capability (non irrigated): 6e
 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

Valent

Percent of map unit: 10 percent

Remmit

Percent of map unit: 5 percent