

Weld County, Colorado, Northern Part

45—Olney fine sandy loam, 6 to 9 percent slopes

Reagan L006-685 Pad

T9N-R58W

Section 05: NENE

Map Unit Setting

Elevation: 3,500 to 5,800 feet

Mean annual precipitation: 11 to 15 inches

Mean annual air temperature: 46 to 54 degrees F

Frost-free period: 125 to 175 days

Reagan L006-685, 680, 675, 670

Map Unit Composition

Olney and similar soils: 85 percent

Minor components: 15 percent

Description of Olney

Setting

Landform: Plains

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Calcareous loamy alluvium

Typical profile

H1 - 0 to 6 inches: neutral, fine sandy loam

H2 - 6 to 18 inches: neutral, sandy clay loam

H3 - 18 to 60 inches: moderately alkaline, sandy loam

H4 - 60 to 64 inches: strongly alkaline, sandy loam

Properties and qualities

Slope: 6 to 9 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Well drained

Capacity of the most limiting layer to transmit water (Ksat):

Moderately high to high (0.57 to 2.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum in profile: 15 percent

Salinity, maximum in profile: Nonsaline (0.0 to 2.0 mmhos/cm)

Available water storage in profile: Moderate (about 8.1 inches)

Interpretive groups

Farmland classification: Not prime farmland

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 6e

Hydrologic Soil Group: B

Ecological site: Loamy Plains (R067BY002CO)

Minor Components

Ascalon

Percent of map unit: 5 percent

Reagan LD 06-6857ed

Map Unit Description: Olney fine sandy loam, 6 to 9 percent slopes---Weld County, Colorado,
Northern Part

Stoneham

Percent of map unit: 5 percent

Vona

Percent of map unit: 5 percent

Data Source Information

Soil Survey Area: Weld County, Colorado, Northern Part

Survey Area Data: Version 9, Dec 23, 2013



Weld County, Colorado, Northern Part

Reagan LD06-685 Pnd
T9N - R58W
Section 05: NENE

4—Ascalon fine sandy loam, 0 to 6 percent slopes

Map Unit Setting

Elevation: 4,500 to 6,500 feet
Mean annual precipitation: 13 to 17 inches
Mean annual air temperature: 46 to 57 degrees F
Frost-free period: 130 to 160 days

Reagan LD06-685, 680, 675, 670

Map Unit Composition

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

Description of Ascalon

Setting

Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Calcareous loamy alluvium

Typical profile

H1 - 0 to 8 inches: neutral, fine sandy loam
H2 - 8 to 22 inches: neutral, sandy clay loam
H3 - 22 to 60 inches: strongly alkaline, sandy loam

Properties and qualities

Slope: 0 to 6 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat):
Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 10 percent
Salinity, maximum in profile: Nonsaline (0.0 to 2.0 mmhos/cm)
Available water storage in profile: Moderate (about 6.9 inches)

Interpretive groups

Farmland classification: Farmland of statewide importance
Land capability classification (irrigated): 3e
Land capability classification (nonirrigated): 3e
Hydrologic Soil Group: B
Ecological site: Loamy Plains (R067BY002CO)

Minor Components

Olney

Percent of map unit: 8 percent

Map Unit Description: Ascalon fine sandy loam, 0 to 6 percent slopes---Weld County, Colorado,
Northern Part

Otero

Percent of map unit: 7 percent

Data Source Information

Soil Survey Area: Weld County, Colorado, Northern Part
Survey Area Data: Version 9, Dec 23, 2013

