

## Weld County, Colorado, Northern Part

### 5—Ascalon sandy loam, 5 to 9 percent slopes

#### Map Unit Setting

*National map unit symbol:* 2tlmx

*Elevation:* 3,870 to 6,070 feet

*Mean annual precipitation:* 13 to 16 inches

*Mean annual air temperature:* 46 to 57 degrees F

*Frost-free period:* 135 to 160 days

*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Ascalon and similar soils:* 85 percent

*Minor components:* 15 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Ascalon

##### Setting

*Landform:* Interfluves

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Wind-reworked alluvium and/or calcareous sandy  
eolian deposits

##### Typical profile

*Ap - 0 to 6 inches:* sandy loam

*Bt1 - 6 to 12 inches:* sandy clay loam

*Bt2 - 12 to 19 inches:* sandy clay loam

*Bk - 19 to 35 inches:* sandy clay loam

*C - 35 to 80 inches:* sandy loam

##### Properties and qualities

*Slope:* 5 to 9 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Well drained

*Runoff class:* Medium

*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 to very slightly saline (0.1 to  
2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 1.0

*Available water storage in profile:* Moderate (about 6.8 inches)

##### Interpretive groups

*Land capability classification (irrigated):* 4e

*Land capability classification (nonirrigated): 4c*  
*Hydrologic Soil Group: B*  
*Ecological site: Sandy Plains (R067BY024CO)*

### **Minor Components**

#### **Stoneham**

*Percent of map unit: 10 percent*  
*Landform: Interfluves*  
*Down-slope shape: Linear*  
*Across-slope shape: Linear*  
*Ecological site: Loamy Plains (R067BY002CO)*

#### **Manter**

*Percent of map unit: 5 percent*  
*Landform: Interfluves*  
*Down-slope shape: Linear*  
*Across-slope shape: Linear*  
*Ecological site: Sandy Plains (R072XY023CO)*

## **Data Source Information**

Soil Survey Area: Weld County, Colorado, Northern Part  
Survey Area Data: Version 10, Sep 23, 2014

## Weld County, Colorado, Northern Part

### 40—Nunn loam, 0 to 6 percent slopes

#### Map Unit Setting

*National map unit symbol:* 35zt

*Elevation:* 4,500 to 6,700 feet

*Mean annual precipitation:* 12 to 18 inches

*Mean annual air temperature:* 46 to 54 degrees F

*Frost-free period:* 115 to 180 days

*Farmland classification:* Prime farmland if irrigated

#### Map Unit Composition

*Nunn and similar soils:* 85 percent

*Minor components:* 15 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Nunn

##### Setting

*Landform:* Stream terraces, plains

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Calcareous loamy alluvium

##### Typical profile

*H1 - 0 to 7 inches:* loam

*H2 - 7 to 23 inches:* clay loam

*H3 - 23 to 60 inches:* clay loam

*H4 - 60 to 64 inches:* sandy clay loam

##### Properties and qualities

*Slope:* 0 to 6 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Well drained

*Runoff class:* Low

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

Moderately low to moderately high (0.06 to 0.20 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 to very slightly saline (0.0 to 2.0 mmhos/cm)

*Available water storage in profile:* Moderate (about 9.0 inches)

##### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 4c

*Hydrologic Soil Group:* C

*Ecological site:* Loamy Plains (R067BY002CO)

### **Minor Components**

#### **Manzanola**

*Percent of map unit:* 8 percent

#### **Avar**

*Percent of map unit:* 7 percent

## **Data Source Information**

Soil Survey Area: Weld County, Colorado, Northern Part

Survey Area Data: Version 10, Sep 23, 2014