

## Adams County Area, Parts of Adams and Denver Counties, Colorado

### AsD—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)*  
*Hydric soil rating: No*

### **Minor Components**

#### **Stoneham**

*Percent of map unit: 10 percent*  
*Landform: Interfluves*  
*Down-slope shape: Linear*  
*Across-slope shape: Linear*  
*Ecological site: Loamy Plains (R067BY002CO)*  
*Hydric soil rating: No*

#### **Manter**

*Percent of map unit: 5 percent*  
*Landform: Interfluves*  
*Down-slope shape: Linear*  
*Across-slope shape: Linear*  
*Ecological site: Sandy Plains (R067BY024CO)*  
*Hydric soil rating: No*

## **Data Source Information**

Soil Survey Area: Adams County Area, Parts of Adams and Denver Counties, Colorado

Survey Area Data: Version 16, Sep 12, 2019