

## Washington County, Colorado

### 3—Ascalon sandy loam, 0 to 3 percent slopes

#### Map Unit Setting

*National map unit symbol:* 2swl3

*Elevation:* 3,870 to 5,960 feet

*Mean annual precipitation:* 12 to 16 inches

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

*Frost-free period:* 135 to 160 days

*Farmland classification:* Farmland of statewide importance

#### 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

*Landform position (two-dimensional):* Summit

*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:* 0 to 3 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 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 7.7 inches)

### **Interpretive groups**

*Land capability classification (irrigated): 3e*  
*Land capability classification (nonirrigated): 4c*  
*Hydrologic Soil Group: B*  
*Ecological site: Sandy Plains (R067BY024CO)*  
*Hydric soil rating: No*

### **Minor Components**

#### **Olnest**

*Percent of map unit: 10 percent*  
*Landform: Interfluves*  
*Landform position (two-dimensional): Summit*  
*Landform position (three-dimensional): Tread*  
*Down-slope shape: Linear*  
*Across-slope shape: Linear*  
*Ecological site: Sandy Plains (R067BY024CO)*  
*Hydric soil rating: No*

#### **Vona**

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

## **Data Source Information**

Soil Survey Area: Washington County, Colorado  
Survey Area Data: Version 20, Sep 10, 2018

## Washington County, Colorado

### 28—Haxtun sandy loam, 0 to 3 percent slopes

#### Map Unit Setting

*National map unit symbol:* 2s7wf

*Elevation:* 3,480 to 4,720 feet

*Mean annual precipitation:* 15 to 23 inches

*Mean annual air temperature:* 46 to 52 degrees F

*Frost-free period:* 130 to 160 days

*Farmland classification:* Farmland of statewide importance

#### Map Unit Composition

*Haxtun and similar soils:* 90 percent

*Minor components:* 10 percent

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

#### Description of Haxtun

##### Setting

*Landform:* Sand sheets

*Landform position (two-dimensional):* Summit, backslope

*Landform position (three-dimensional):* Side slope, crest

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Eolian deposits over alluvium

##### Typical profile

*Ap - 0 to 9 inches:* sandy loam

*Bt1 - 9 to 20 inches:* sandy loam

*2Bt2 - 20 to 35 inches:* clay loam

*2C - 35 to 79 inches:* loam

##### Properties and qualities

*Slope:* 0 to 3 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 high (0.20 to 0.60 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum in profile:* 14 percent

*Salinity, maximum in profile:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

*Available water storage in profile:* Moderate (about 8.6 inches)

##### Interpretive groups

*Land capability classification (irrigated):* 2e

*Land capability classification (nonirrigated):* 3c

*Hydrologic Soil Group:* C  
*Ecological site:* Sandy Plains (R072XY111KS)  
*Hydric soil rating:* No

### **Minor Components**

#### **Ascalon**

*Percent of map unit:* 7 percent  
*Landform:* Sand sheets  
*Landform position (two-dimensional):* Foothlope  
*Landform position (three-dimensional):* Base slope  
*Down-slope shape:* Concave, linear  
*Across-slope shape:* Linear  
*Ecological site:* Sandy Plains (R072XY111KS)  
*Hydric soil rating:* No

#### **Loup**

*Percent of map unit:* 3 percent  
*Landform:* Swales  
*Landform position (two-dimensional):* Toeslope  
*Landform position (three-dimensional):* Base slope  
*Down-slope shape:* Concave  
*Across-slope shape:* Linear  
*Ecological site:* Subirrigated (R072XY103KS)  
*Hydric soil rating:* Yes

## **Data Source Information**

Soil Survey Area: Washington County, Colorado  
Survey Area Data: Version 20, Sep 10, 2018