

## Weld County, Colorado, Northern Part

### 6—Ascalon-Blakeland complex, 3 to 15 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

#### Map Unit Composition

*Ascalon and similar soils:* 50 percent  
*Blakeland and similar soils:* 30 percent  
*Minor components:* 20 percent

#### Description of Ascalon

##### Setting

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

##### Properties and qualities

*Slope:* 3 to 15 percent  
*Depth to restrictive feature:* More than 80 inches  
*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 content:* 10 percent  
*Maximum salinity:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Available water capacity:* Moderate (about 7.0 inches)

##### Interpretive groups

*Farmland classification:* Not prime farmland  
*Land capability classification (irrigated):* 6e  
*Land capability (nonirrigated):* 6e  
*Hydrologic Soil Group:* B  
*Ecological site:* Loamy Plains (R067BY002CO)

##### Typical profile

*0 to 8 inches:* Fine sandy loam  
*8 to 26 inches:* Sandy clay loam  
*26 to 60 inches:* Sandy loam

#### Description of Blakeland

##### Setting

*Landform:* Alluvial fans, fans  
*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Arkosic sandy alluvium and/or arkosic sandy  
colluvium

**Properties and qualities**

*Slope:* 3 to 15 percent

*Depth to restrictive feature:* More than 80 inches

*Drainage class:* Somewhat excessively drained

*Capacity of the most limiting layer to transmit water (Ksat):* High to  
very high (5.95 to 19.98 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum content:* 5 percent

*Available water capacity:* Low (about 4.3 inches)

**Interpretive groups**

*Farmland classification:* Not prime farmland

*Land capability classification (irrigated):* 4e

*Land capability (nonirrigated):* 6e

*Hydrologic Soil Group:* A

*Ecological site:* Deep Sand (R067BY015CO)

**Typical profile**

*0 to 15 inches:* Loamy sand

*15 to 60 inches:* Loamy sand

**Minor Components**

**Wages**

*Percent of map unit:* 10 percent

**Bushman**

*Percent of map unit:* 5 percent

**Bresser**

*Percent of map unit:* 5 percent

**Data Source Information**

Soil Survey Area: Weld County, Colorado, Northern Part

Survey Area Data: Version 8, Apr 30, 2009