

## Weld County, Colorado, Northern Part

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

#### Map Unit Setting

*National map unit symbol:* 360h

*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

*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Ascalon and similar soils:* 50 percent

*Blakeland and similar soils:* 30 percent

*Minor components:* 20 percent

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

#### 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:* fine sandy loam

*H2 - 8 to 26 inches:* sandy clay loam

*H3 - 26 to 60 inches:* sandy loam

##### Properties and qualities

*Slope:* 3 to 15 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 (0.0 to 2.0 mmhos/cm)

*Available water storage in profile:* Moderate (about 7.0 inches)

##### Interpretive groups

*Land capability classification (irrigated):* 6e

*Land capability classification (nonirrigated):* 6e

*Hydrologic Soil Group:* B

*Ecological site:* Loamy plains (R067BY002CO)

## 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

### Typical profile

*H1 - 0 to 15 inches:* loamy sand

*H2 - 15 to 60 inches:* loamy sand

### Properties and qualities

*Slope:* 3 to 15 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Somewhat excessively drained

*Runoff class:* Low

*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 in profile:* 5 percent

*Available water storage in profile:* Low (about 4.3 inches)

### Interpretive groups

*Land capability classification (irrigated):* 4e

*Land capability classification (nonirrigated):* 6e

*Hydrologic Soil Group:* A

*Ecological site:* Deep sand (R067BY015CO)

## 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 10, Sep 23, 2014