

## Weld County, Colorado, Northern Part

### 14—Blakeland loamy sand, 6 to 12 percent slopes

#### Map Unit Setting

*Elevation:* 4,600 to 5,800 feet  
*Mean annual precipitation:* 14 to 16 inches  
*Mean annual air temperature:* 46 to 48 degrees F  
*Frost-free period:* 135 to 155 days

#### Map Unit Composition

*Blakeland and similar soils:* 85 percent  
*Minor components:* 15 percent

#### Description of Blakeland

##### Setting

*Landform:* Alluvial fans, fans  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Parent material:* Sandy alluvium and/or colluvium derived from arkose

##### Properties and qualities

*Slope:* 6 to 12 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 12 inches:* Loamy sand  
*12 to 60 inches:* Loamy sand

#### Minor Components

##### Bushman

*Percent of map unit:* 7 percent

##### Eckley

*Percent of map unit:* 4 percent

**Bresser**

*Percent of map unit: 4 percent*

**Data Source Information**

Soil Survey Area: Weld County, Colorado, Northern Part

Survey Area Data: Version 9, Dec 23, 2013