

## Weld County, Colorado, Northern Part

### 12—Bankard loamy fine sand, 0 to 3 percent slopes

#### Map Unit Setting

*National map unit symbol:* 35yt  
*Elevation:* 2,500 to 4,500 feet  
*Mean annual precipitation:* 10 to 17 inches  
*Mean annual air temperature:* 48 to 52 degrees F  
*Frost-free period:* 110 to 160 days  
*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Bankard and similar soils:* 85 percent  
*Minor components:* 15 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Bankard

##### Setting

*Landform:* Flood plains  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Parent material:* Stratified, calcareous sandy alluvium

##### Typical profile

*H1 - 0 to 6 inches:* loamy fine sand  
*H2 - 6 to 34 inches:* loamy sand  
*H3 - 34 to 60 inches:* very gravelly sand  
*H4 - 60 to 64 inches:* stratified loamy sand to sandy loam

##### Properties and qualities

*Slope:* 0 to 3 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Somewhat excessively drained  
*Runoff class:* Very 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:* Frequent  
*Frequency of ponding:* None  
*Calcium carbonate, maximum in profile:* 10 percent  
*Salinity, maximum in profile:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)  
*Available water storage in profile:* Low (about 4.1 inches)

##### Interpretive groups

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 6w  
*Hydrologic Soil Group:* A  
*Ecological site:* Sandy bottomland (R067BY031CO)

### **Minor Components**

#### **Torrifluvents**

*Percent of map unit:* 15 percent

## **Data Source Information**

Soil Survey Area: Weld County, Colorado, Northern Part

Survey Area Data: Version 10, Sep 23, 2014