

## Weld County, Colorado, Southern Part

### 10—Bankard sandy loam, 0 to 3 percent slopes, frequently flooded

#### Map Unit Setting

*National map unit symbol:* 2s51n

*Elevation:* 4,090 to 5,410 feet

*Mean annual precipitation:* 12 to 17 inches

*Mean annual air temperature:* 48 to 52 degrees F

*Frost-free period:* 130 to 160 days

*Farmland classification:* Prime farmland if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60

#### Map Unit Composition

*Bankard, frequently flooded, and similar soils:* 80 percent

*Minor components:* 20 percent

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

#### Description of Bankard, Frequently Flooded

##### Setting

*Landform:* Flood plains, ephemeral streams

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Sandy alluvium

##### Typical profile

*A - 0 to 2 inches:* sandy loam

*AC - 2 to 9 inches:* sandy loam

*C1 - 9 to 17 inches:* loamy sand

*C2 - 17 to 80 inches:* sand

##### 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 (2.00 to 6.00 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 (0.0 to 1.9 mmhos/cm)

*Available water storage in profile:* Low (about 3.5 inches)

##### Interpretive groups

*Land capability classification (irrigated):* 6s

*Land capability classification (nonirrigated):* 6s

*Hydrologic Soil Group:* A

*Ecological site:* Sandy Bottomland (R067BY031CO)

### **Minor Components**

#### **Glenberg, rarely flooded**

*Percent of map unit:* 8 percent

*Landform:* Ephemeral streams, flood-plain steps

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Ecological site:* Sandy Bottomland (R067BY031CO)

#### **Kitcarson, frequently flooded**

*Percent of map unit:* 5 percent

*Landform:* Ephemeral streams, flood plains

*Down-slope shape:* Linear

*Across-slope shape:* Concave, linear

*Ecological site:* Wet Meadow (R067BY038CO)

#### **Alda, frequently flooded**

*Percent of map unit:* 5 percent

*Landform:* Flood plains

*Down-slope shape:* Concave

*Across-slope shape:* Concave

*Ecological site:* Salt Meadow (R067BY035CO)

#### **Las animas, frequently flooded**

*Percent of map unit:* 2 percent

*Landform:* Flood plains, ephemeral streams

*Down-slope shape:* Linear

*Across-slope shape:* Linear, concave

*Ecological site:* Salt Meadow (R072XY035CO)

## **Data Source Information**

Soil Survey Area: Weld County, Colorado, Southern Part

Survey Area Data: Version 13, Sep 23, 2014

## Weld County, Colorado, Southern Part

### 26—Haverson loam, 1 to 3 percent slopes

#### Map Unit Setting

*National map unit symbol:* 3623

*Elevation:* 4,500 to 4,800 feet

*Mean annual precipitation:* 12 to 17 inches

*Mean annual air temperature:* 46 to 54 degrees F

*Frost-free period:* 125 to 180 days

*Farmland classification:* Prime farmland if irrigated

#### Map Unit Composition

*Haverson and similar soils:* 85 percent

*Minor components:* 15 percent

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

#### Description of Haverson

##### Setting

*Landform:* Flood plains, stream terraces

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Stratified, calcareous alluvium

##### Typical profile

*H1 - 0 to 4 inches:* loam

*H2 - 4 to 60 inches:* stratified loamy sand to loam to clay loam

##### Properties and qualities

*Slope:* 1 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:* 15 percent

*Gypsum, maximum in profile:* 1 percent

*Salinity, maximum in profile:* Nonsaline to moderately saline (0.0 to 8.0 mmhos/cm)

*Available water storage in profile:* High (about 9.6 inches)

##### Interpretive groups

*Land capability classification (irrigated):* 3e

*Land capability classification (nonirrigated):* 4c

*Hydrologic Soil Group:* B

*Ecological site:* Loamy Plains (R067BY002CO)

### **Minor Components**

**Heldt**

*Percent of map unit: 5 percent*

**Nunn**

*Percent of map unit: 5 percent*

**Vona**

*Percent of map unit: 5 percent*

## **Data Source Information**

Soil Survey Area: Weld County, Colorado, Southern Part  
Survey Area Data: Version 13, Sep 23, 2014