

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)
Hydric soil rating: No

Minor Components

Glenberg, rarely flooded

Percent of map unit: 8 percent
Landform: Flood-plain steps, ephemeral streams
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: Sandy Bottomland (R067BY031CO)
Hydric soil rating: No

Kitcarson, frequently flooded

Percent of map unit: 5 percent
Landform: Flood plains, ephemeral streams
Down-slope shape: Linear
Across-slope shape: Linear, concave
Ecological site: Wet Meadow (R067BY038CO)
Hydric soil rating: No

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)
Hydric soil rating: No

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)
Hydric soil rating: No

Data Source Information

Soil Survey Area: Weld County, Colorado, Southern Part
Survey Area Data: Version 15, Sep 22, 2016