

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