

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 (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 9, Dec 23, 2013