

Map Unit Description

Weld County, Colorado, Southern Part

10 Bankard sandy loam, 0 to 3 percent slopes

Setting

Elevation: 4450 to 5000 feet
Mean annual precipitation: 10 to 14 inches
Mean annual air temperature: 48 to 52 degrees F
Frost-free period: 95 to 160 days

Composition

Bankard and similar soils: 85 percent
Minor components: 15 percent

Description of Bankard

Setting

Landform: Low sand ridges, flood plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Stratified, recent alluvium

Properties and Qualities

Slope: 0 to 3 percent
Drainage class: Somewhat excessively drained
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 10 percent
Gypsum maximum: 0 percent
Available water capacity: Low (about 4.5 inches)

Interpretive Groups

Land capability classification (irrigated): 4w
Land capability (non irrigated): 4w
Ecological site: Sandy Bottomland (R067BY031CO)

Typical Profile

0 to 4 inches: sandy loam
4 to 60 inches: stratified gravelly sand to loam

Minor Components

Mollic fluvaquents

Percent of map unit: 9 percent
Landform: Terraces

Blakeland

Percent of map unit: 6 percent

Map Unit Description

Weld County, Colorado, Southern Part

32

Kim loam, 1 to 3 percent slopes

Setting

Elevation: 4900 to 5250 feet
Mean annual precipitation: 13 to 17 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 125 to 150 days

Composition

Kim and similar soils: 90 percent
Minor components: 10 percent

Description of Kim

Setting

Landform: Alluvial fans, plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Mixed eolian deposits derived from sedimentary rock

Properties and Qualities

Slope: 1 to 3 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.57 to 5.95 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Gypsum maximum: 0 percent
Available water capacity: Moderate (about 9.0 inches)

Interpretive Groups

Land capability classification (irrigated): 3e
Land capability (non irrigated): 4e
Ecological site: Loamy Plains (R067BY002CO)

Typical Profile

0 to 12 inches: loam
12 to 40 inches: loam
40 to 60 inches: fine sandy loam

Minor Components

Otero

Percent of map unit: 10 percent