CONGQ07-03
T10N-R61W, SEC:07 (NENW)
WELD COUNTY, CO

Map Unit Description

Weld County, Colorado, Northern Part

12 Bankard loamy fine sand, 0 to 3 percent slopes

Setting

Elevation: 2500 to 4500 feet
Mean annual precipitation: 10 to 17 inches
Mean annual air temperature: 48 to 52 degrees F
Frost-free period: 110 to 160 days

Composition

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

Description of Bankard

Setting

Landform: Flood plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Stratified, calcareous sandy 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 or very high (5.95 to 19.98 in/hr)
Frequency of flooding: Frequent
Frequency of ponding: None
Calcium carbonate maximum: 10 percent
Gypsum maximum: 0 percent
Available water capacity: Low (about 4.1 inches)

Interpretive Groups

Land capability (non irrigated): 6w
Ecological site: Sandy Bottomland (R067BY031CO)

Typical Profile

0 to 6 inches: loamy fine sand
6 to 34 inches: loamy sand
34 to 60 inches: very gravelly sand
60 to 64 inches: stratified loamy sand to sandy loam

Minor Components

Torrifluvents

Percent of map unit: 15 percent

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Map Unit Description

Weld County, Colorado, Northern Part

29 Haverson loam, 0 to 3 percent slopes

Setting

Elevation: 3500 to 6000 feet
Mean annual precipitation: 12 to 17 inches
Mean annual air temperature: 46 to 54 degrees F
Frost-free period: 125 to 180 days

Composition

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

Description of Haverson

Setting

Landform: Stream terraces, flood plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Stratified, calcareous loamy alluvium

Properties and Qualities

Slope: 0 to 3 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.57 to 2.00 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Gypsum maximum: 1 percent
Available water capacity: High (about 9.6 inches)

Interpretive Groups

Land capability (non irrigated): 4c
Ecological site: Overflow (R067BY036CO)
Other vegetative classification: OVERFLOW (067BY036CO)

Typical Profile

0 to 12 inches: loam
12 to 60 inches: stratified sandy loam to loam

Minor Components

Nunn

Percent of map unit: 6 percent

Fluvaquentic haplustolls

Percent of map unit: 4 percent
Landform: Terraces

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Map Unit Description

Weld County, Colorado, Northern Part

9 Avar fine sandy loam

Setting

Elevation: 4500 to 5500 feet
Mean annual precipitation: 11 to 14 inches
Mean annual air temperature: 46 to 48 degrees F
Frost-free period: 130 to 160 days

Composition

Avar and similar soils: 80 percent
Minor components: 20 percent

Description of Avar

Setting

Landform: Stream terraces, swales, flood plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Calcareous loamy alluvium

Properties and Qualities

Slope: 0 to 3 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low or moderately high (0.06 to 0.60 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Gypsum maximum: 0 percent
Salinity maximum: Very slightly saline or strongly saline (4.0 to 32.0 mmhos/cm)
Sodium adsorption ratio maximum: 250.0
Available water capacity: Moderate (about 6.6 inches)

Interpretive Groups

Land capability (non irrigated): 7s
Ecological site: Salt Flat (R067XY033CO)

Typical Profile

0 to 3 inches: fine sandy loam
3 to 8 inches: clay loam
8 to 60 inches: sandy clay loam

Minor Components

Fluvaquentic haplustolls

Percent of map unit: 6 percent
Landform: Terraces

Ascalon

Percent of map unit: 5 percent

Haverson

Percent of map unit: 4 percent

Nunn

Percent of map unit: 3 percent

Bankard

Percent of map unit: 2 percent