

Map Unit Description

Fremont County Area, Colorado

124 Wann-Shanta, dry, association

Setting

Elevation: 5000 to 5400 feet
Mean annual precipitation: 11 to 12 inches
Mean annual air temperature: 50 to 53 degrees F
Frost-free period: 140 to 170 days

Composition

Wann and similar soils: 55 percent
Shanta, dry, and similar soils: 35 percent
Minor components: 10 percent

Description of Wann

Setting

Landform: Stream terraces
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium

Properties and Qualities

Slope: 0 to 1 percent
Drainage class: Somewhat poorly drained
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)
Depth to water table: About 12 to 36 inches
Frequency of flooding: Occasional
Frequency of ponding: None
Calcium carbonate maximum: 10 percent
Gypsum maximum: 0 percent
Available water capacity: Moderate (about 6.8 inches)

Interpretive Groups

Land capability classification (irrigated): 3w
Land capability (non irrigated): 6c
Ecological site: Salt Meadow (R069XY030CO)

Typical Profile

0 to 12 inches: fine sandy loam
12 to 48 inches: stratified sandy loam to silt loam
48 to 60 inches: extremely gravelly sandy loam, extremely gravelly loamy sand

Description of Shanta, dry

Setting

Landform: Stream terraces
Down-slope shape: Linear
Across-slope shape: Linear

Properties and Qualities

Slope: 0 to 1 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.20 to 2.00 in/hr)
Frequency of flooding: Rare
Frequency of ponding: None
Calcium carbonate maximum: 10 percent
Gypsum maximum: 0 percent
Available water capacity: High (about 9.3 inches)

Interpretive Groups

Land capability classification (irrigated): 2e
Land capability (non irrigated): 6c
Ecological site: Saline Overflow (R069XY037CO)

Typical Profile

0 to 27 inches: loam
27 to 60 inches: stratified loam to silty clay loam

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Fremont County Area, Colorado

Minor Components

Aquic ustifluvents

Percent of map unit: 5 percent

Bloom

Percent of map unit: 5 percent

Landform: Terraces