

Map Unit Description

Lincoln County, Colorado

179 Sampson loam, 0 to 2 percent slopes, rarely flooded

Setting

Elevation: 4400 to 6000 feet
Mean annual precipitation: 11 to 16 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 135 to 155 days

Composition

Sampson, rarely flooded, and similar soils: 90 percent
Minor components: 10 percent

Description of Sampson, rarely flooded

Setting

Landform: Flood plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium

Properties and Qualities

Slope: 0 to 2 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr)
Frequency of flooding: Rare
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Gypsum maximum: 0 percent
Available water capacity: High (about 10.6 inches)

Interpretive Groups

Land capability (non irrigated): 3c
Ecological site: Overflow (R067BY036CO)

Typical Profile

0 to 7 inches: loam
7 to 36 inches: clay loam
36 to 60 inches: loam

Minor Components

Apishapa, rarely ponded soils

Percent of map unit: 4 percent
Landform: Depressions
Ecological site: Plains Swale (R067XY010CO)

Vona soils

Percent of map unit: 3 percent
Landform: Hills
Other vegetative classification: SANDY PLAINS (067XY024CO_1)

Fort collins soils

Percent of map unit: 3 percent
Landform: Plains
Ecological site: Loamy Plains (R067BY002CO)
Other vegetative classification: LOAMY PLAINS (067XY002CO_1)