

Lincoln County, Colorado

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

Map Unit Setting

Elevation: 4,400 to 6,000 feet
Mean annual precipitation: 11 to 16 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 135 to 155 days

Map Unit 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
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: Rare
Frequency of ponding: None
Calcium carbonate, maximum content: 15 percent
Maximum salinity: Nonsaline (0.0 to 2.0 mmhos/cm)
Available water capacity: High (about 10.6 inches)

Interpretive groups

Farmland classification: Prime farmland if irrigated
Land capability (nonirrigated): 3c
Hydrologic Soil Group: B
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

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

Fort collins

Percent of map unit: 3 percent

Landform: Plains

Ecological site: Loamy Plains (R067BY002CO)

Other vegetative classification: LOAMY PLAINS (067XY002CO_1)

Vona

Percent of map unit: 3 percent

Landform: Hills

Landform position (three-dimensional): Side slope

Other vegetative classification: SANDY PLAINS (067XY024CO_1)

Data Source Information

Soil Survey Area: Lincoln County, Colorado

Survey Area Data: Version 11, Dec 23, 2013