

Washington County, Colorado

55—Platner loam

Map Unit Setting

Elevation: 4,200 to 4,900 feet
Mean annual precipitation: 15 to 17 inches
Mean annual air temperature: 48 to 52 degrees F
Frost-free period: 145 to 155 days

Map Unit Composition

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

Description of Platner

Setting

Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Capacity of the most limiting layer to transmit water
(Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 15 percent
Available water capacity: High (about 9.2 inches)

Interpretive groups

Farmland classification: Prime farmland if irrigated
Land capability classification (irrigated): 2e
Land capability (nonirrigated): 3e
Hydrologic Soil Group: C
Ecological site: Loamy Plains (R072XY001CO)

Typical profile

0 to 10 inches: Loam
10 to 18 inches: Clay loam
18 to 25 inches: Loam
25 to 60 inches: Sandy clay loam

Minor Components

Ascalon

Percent of map unit: 6 percent

Iliff

Percent of map unit: 5 percent

Wages

Percent of map unit: 4 percent

Data Source Information

Soil Survey Area: Washington County, Colorado

Survey Area Data: Version 14, Dec 23, 2013

Washington County, Colorado

53—Paoli fine sandy loam

Map Unit Setting

Elevation: 4,100 to 4,700 feet

Mean annual precipitation: 15 to 17 inches

Mean annual air temperature: 48 to 52 degrees F

Frost-free period: 140 to 155 days

Map Unit Composition

Paoli and similar soils: 85 percent

Minor components: 15 percent

Description of Paoli

Setting

Landform: Drainageways on flood plains

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Mixed 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): High (2.00 to 6.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 10 percent

Available water capacity: Moderate (about 7.8 inches)

Interpretive groups

Farmland classification: Farmland of statewide importance

Land capability classification (irrigated): 3e

Land capability (nonirrigated): 3e

Hydrologic Soil Group: B

Ecological site: Overflow (R067BY036CO)

Typical profile

0 to 17 inches: Fine sandy loam

17 to 48 inches: Sandy loam

48 to 60 inches: Sandy loam

Minor Components

Table mountain

Percent of map unit: 8 percent

Bankard

Percent of map unit: 7 percent

Data Source Information

Soil Survey Area: Washington County, Colorado

Survey Area Data: Version 14, Dec 23, 2013

Washington County, Colorado

64—Sampson loam

Map Unit Setting

Elevation: 3,800 to 5,100 feet

Mean annual precipitation: 13 to 17 inches

Mean annual air temperature: 48 to 52 degrees F

Frost-free period: 140 to 170 days

Map Unit Composition

Sampson and similar soils: 85 percent

Minor components: 15 percent

Description of Sampson

Setting

Landform: Intermittent streams, stream terraces

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Calcareous loamy 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 to high (0.60 to 2.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

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 10.1 inches)

Interpretive groups

Farmland classification: Prime farmland if irrigated

Land capability classification (irrigated): 2e

Land capability (nonirrigated): 3c

Hydrologic Soil Group: B

Ecological site: Loamy Plains (R067BY002CO)

Typical profile

0 to 4 inches: Loam

4 to 40 inches: Clay loam

40 to 60 inches: Loam

Minor Components

Bridgeport

Percent of map unit: 15 percent

Data Source Information

Soil Survey Area: Washington County, Colorado

Survey Area Data: Version 14, Dec 23, 2013