

## 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

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*Percent of map unit:* 6 percent

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*Percent of map unit: 5 percent*

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*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

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*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