

# Map Unit Description

Washington County, Colorado

55 Platner loam

## Setting

Elevation: 4200 to 4900 feet  
Mean annual precipitation: 15 to 17 inches  
Mean annual air temperature: 48 to 52 degrees F  
Frost-free period: 145 to 155 days

## 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  
Drainage class: Well drained  
Capacity of the most limiting layer to transmit water (Ksat): Moderately low or moderately high (0.06 to 0.20 in/hr)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 15 percent  
Gypsum maximum: 0 percent  
Available water capacity: High (about 9.2 inches)

### Interpretive Groups

Land capability classification (irrigated): 2e  
Land capability (non irrigated): 3e  
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

# Rangeland Productivity and Plant Composition

Washington County, Colorado

Map symbol and soil name	Ecological site	Total dry-weight production			Characteristic vegetation	Rangeland composition
		Favorable year	Normal year	Unfavorable year		
		<i>Lb/Ac</i>	<i>Lb/Ac</i>	<i>Lb/Ac</i>		<i>Pct</i>
55:						
Platner	Loamy Plains	1,800	1,500	800	Western wheatgrass	40
					Green needlegrass	20
					Needleandthread	5

# Map Unit Description

Washington County, Colorado

## 64 Sampson loam

### Setting

Elevation: 3800 to 5100 feet  
Mean annual precipitation: 13 to 17 inches  
Mean annual air temperature: 48 to 52 degrees F  
Frost-free period: 140 to 170 days

### 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  
Drainage class: Well drained  
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.60 to 2.00 in/hr)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 15 percent  
Gypsum maximum: 0 percent  
Available water capacity: High (about 10.1 inches)

#### Interpretive Groups

Land capability classification (irrigated): 2e  
Land capability (non irrigated): 3c  
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

# Rangeland Productivity and Plant Composition

Washington County, Colorado

Map symbol and soil name	Ecological site	Total dry-weight production			Characteristic vegetation	Rangeland composition
		Favorable year	Normal year	Unfavorable year		
		Lb/Ac	Lb/Ac	Lb/Ac		Pct
64:						
Sampson	Loamy Plains	3,000	2,200	1,100	Western wheatgrass	35
					Green needlegrass	15
					Switchgrass	15
					Fourwing saltbush	5
					Sideoats grama	5
					Yellow Indiangrass	5