

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