

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

Map Unit Description

Washington County, Colorado

58 Rago silt loam

Setting

Elevation: 3500 to 5400 feet
Mean annual precipitation: 14 to 17 inches
Mean annual air temperature: 48 to 52 degrees F
Frost-free period: 145 to 155 days

Composition

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

Description of Rago

Setting

Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Wind-worked silt over older soil

Properties and Qualities

Slope: 0 to 2 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 10.2 inches)

Interpretive Groups

Land capability classification (irrigated): 3s
Land capability (non irrigated): 3c
Ecological site: Loamy Plains (R067BY002CO)

Typical Profile

0 to 9 inches: silt loam
9 to 18 inches: silty clay loam
18 to 41 inches: silty clay
41 to 60 inches: loam

Minor Components

Weld

Percent of map unit: 8 percent

Kuma

Percent of map unit: 7 percent

Map Unit Description

Washington County, Colorado

4 Ascalon fine sandy loam, 3 to 9 percent slopes

Setting

Elevation: 4500 to 6500 feet
Mean annual precipitation: 13 to 17 inches
Mean annual air temperature: 46 to 57 degrees F
Frost-free period: 130 to 160 days

Composition

Ascalon and similar soils: 90 percent
Minor components: 10 percent

Description of Ascalon

Setting

Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Wind-worked alluvium

Properties and Qualities

Slope: 3 to 9 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: 10 percent
Gypsum maximum: 0 percent
Available water capacity: Moderate (about 6.7 inches)

Interpretive Groups

Land capability classification (irrigated): 4e
Land capability (non irrigated): 4e
Ecological site: Sandy Plains (R067BY024CO)

Typical Profile

0 to 7 inches: fine sandy loam
7 to 18 inches: sandy clay loam
18 to 60 inches: fine sandy loam

Minor Components

Manter

Percent of map unit: 5 percent

Julesburg

Percent of map unit: 5 percent