Washington County, Colorado

55—Platner loam, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 2tln0
Elevation: 4,000 to 4,930 feet
Mean annual precipitation: 14 to 17 inches
Mean annual air temperature: 46 to 50 degrees F
Frost-free period: 135 to 160 days
Farmland classification: Prime farmland if irrigated

Map Unit Composition

Platner and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Platner

Setting

Landform: Interfluves
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Interfluve
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Mixed eolian deposits over tertiary aged alluvium derived from igneous, metamorphic and sedimentary rock

Typical profile

Ap - 0 to 6 inches: loam
Bt1 - 6 to 11 inches: clay
Bt2 - 11 to 20 inches: clay
Bk1 - 20 to 27 inches: loam
Bk2 - 27 to 37 inches: sandy clay loam
C - 37 to 80 inches: sandy clay loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Runoff class: Medium
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 in profile: 15 percent
Salinity, maximum in profile: Nonsaline (0.0 to 1.0 mmhos/cm)
Available water storage in profile: Moderate (about 8.1 inches)

Interpretive groups

Land capability classification (irrigated): 3s
Land capability classification (nonirrigated): 4s
Hydrologic Soil Group: C
Ecological site: Loamy Plains (R067BY002CO)
Hydric soil rating: No

Minor Components

Ascalon

Percent of map unit: 10 percent
Landform: Interfluves
Landform position (two-dimensional): Summit, shoulder
Landform position (three-dimensional): Interfluve
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: Loamy Plains (R067BY002CO)
Hydric soil rating: No

Rago, rarely flooded

Percent of map unit: 4 percent
Landform: Drainageways
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Base slope, head slope
Down-slope shape: Linear
Across-slope shape: Concave
Ecological site: Overflow (R067BY036CO)
Hydric soil rating: No

Rago, ponded

Percent of map unit: 1 percent
Landform: Playas
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Interfluve
Down-slope shape: Concave
Across-slope shape: Concave
Ecological site: Plains Swale (R067BY010CO)
Hydric soil rating: No

Data Source Information

Soil Survey Area: Washington County, Colorado
Survey Area Data: Version 17, Sep 22, 2015

Washington County, Colorado

58—Rago silt loam

Map Unit Setting

National map unit symbol: 35w6
Elevation: 3,500 to 5,400 feet
Mean annual precipitation: 14 to 17 inches
Mean annual air temperature: 48 to 52 degrees F
Frost-free period: 145 to 155 days
Farmland classification: Prime farmland if irrigated

Map Unit Composition

Rago and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Rago

Setting

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

Typical profile

H1 - 0 to 9 inches: silt loam
H2 - 9 to 18 inches: silty clay loam
H3 - 18 to 41 inches: silty clay
H4 - 41 to 60 inches: loam

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Runoff class: Low
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 in profile: 15 percent
Salinity, maximum in profile: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Available water storage in profile: High (about 10.2 inches)

Interpretive groups

Land capability classification (irrigated): 3s
Land capability classification (nonirrigated): 3c
Hydrologic Soil Group: C
Ecological site: Loamy Plains (R067BY002CO)

Hydric soil rating: No

Minor Components

Weld

Percent of map unit: 8 percent
Hydric soil rating: No

Kuma

Percent of map unit: 7 percent
Hydric soil rating: No

Data Source Information

Soil Survey Area: Washington County, Colorado
Survey Area Data: Version 17, Sep 22, 2015

55—Platner loam, 0 to 3 percent slopes						
Platner	Loamy Plains	1,800	1,300	600	Western wheatgrass	40
					Blue grama	30
					Green needlegrass	20
					Needleandthread	5
					Buffalograss	—
					Winterfat	—
					Broom snakeweed	—
					Sand dropseed	—
					Fourwing saltbush	—

58—Rago silt loam						
Rago	Loamy Plains	1,800	1,500	800	Western wheatgrass	40
					Green needlegrass	25
					Needleandthread	5
					Blue grama	—