

Map Unit Description

Kit Carson County, Colorado

76 Satanta loam, 1 to 3 percent slopes

Setting

Landscape: Tablelands
Elevation: 4300 to 5200 feet
Mean annual precipitation: 14 to 16 inches
Mean annual air temperature: 45 to 50 degrees F
Frost-free period: 145 to 148 days

Composition

Satanta and similar soils: 80 percent
Minor components: 20 percent

Description of Satanta

Setting

Landform: Paleoterraces
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Fine-loamy eolian deposits over fine-loamy alluvium

Properties and Qualities

Slope: 1 to 3 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 10.2 inches)

Interpretive Groups

Land capability classification (irrigated): 2e
Land capability (non irrigated): 3e
Ecological site: Loamy Plains (R067BY002CO)

Typical Profile

0 to 4 inches: loam
4 to 7 inches: clay loam
7 to 14 inches: clay loam
14 to 19 inches: clay loam
19 to 23 inches: clay loam
23 to 34 inches: loam
34 to 60 inches: loam

Minor Components

Ascalon soils

Percent of map unit: 5 percent
Landform: Plains
Other vegetative classification: SANDY PLAINS (067XY024CO_1)

Sampson soils

Percent of map unit: 5 percent
Landform: Drainageways
Ecological site: Overflow Central/South - Draft (R067XY036CO)

Wages soils

Percent of map unit: 5 percent
Landform: Plains
Ecological site: Loamy Plains (R067BY002CO)
Other vegetative classification: LOAMY PLAINS (067XY002CO_1)

Pleasant soils

Percent of map unit: 4 percent
Landform: Depressions
Ecological site: Plains Swale (R067XY010CO)

Map Unit Description

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Lodgepole soils

Percent of map unit: 1 percent

Landform: Depressions

Rangeland Productivity and Plant Composition

Kit Carson 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>
76:						
Satanta	Loamy Plains	1,600	1,000	500	Western wheatgrass	35
					Blue grama	30
					Green needlegrass	15
					Fourwing saltbush	5
					Needleandthread	5