

Map Unit Description

Phillips County, Colorado

PaC Platner loam, 3 to 5 percent slopes

Setting

Elevation: 4500 to 5900 feet
Mean annual precipitation: 17 to 19 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 140 to 165 days

Composition

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

Description of Platner

Setting

Landform: Drainageways, hills, ridges
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Thin silty eolian deposits over sand & gravel

Properties and Qualities

Slope: 3 to 5 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: 10 percent
Gypsum maximum: 0 percent
Available water capacity: Moderate (about 8.6 inches)

Interpretive Groups

Land capability classification (irrigated): 3e
Land capability (non irrigated): 3e
Ecological site: Loamy Plains (R072XY001CO)

Typical Profile

0 to 5 inches: loam
5 to 12 inches: clay
12 to 20 inches: clay loam
20 to 60 inches: sandy clay loam

Minor Components

Ascalon

Percent of map unit: 10 percent

Eckley

Percent of map unit: 4 percent

Rock outcrop

Percent of map unit: 1 percent

Rangeland Productivity and Plant Composition

Phillips 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>	
PaC:						
Platner	Loamy Plains	2,000	1,800	1,400	Western wheatgrass	20
					Green needlegrass	5
					Needleandthread	5