

# Map Unit Description

Phillips County, Colorado

## PaB Platner loam, 0 to 3 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: 90 percent  
Minor components: 10 percent

### Description of Platner

#### Setting

Landform: Intermittent streams  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Thin silty eolian deposits over sand & gravel

#### 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: 10 percent  
Gypsum maximum: 0 percent  
Available water capacity: Moderate (about 8.8 inches)

#### Interpretive Groups

Land capability classification (irrigated): 2e  
Land capability (non irrigated): 2c  
Ecological site: Loamy Plains (R072XY001CO)

#### Typical Profile

0 to 5 inches: loam  
5 to 12 inches: clay  
12 to 24 inches: loam  
24 to 60 inches: sandy clay loam

### Minor Components

#### Rago

Percent of map unit: 5 percent

#### Other soils

Percent of map unit: 5 percent