

# 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