

## Adams County Area, Parts of Adams and Denver Counties, Colorado

### PIC—Platner loam, 3 to 5 percent slopes

#### Map Unit Setting

*National map unit symbol:* 34wd  
*Elevation:* 4,200 to 5,500 feet  
*Mean annual precipitation:* 13 to 15 inches  
*Mean annual air temperature:* 48 to 52 degrees F  
*Frost-free period:* 135 to 155 days  
*Farmland classification:* Prime farmland if irrigated

#### Map Unit Composition

*Platner and similar soils:* 80 percent  
*Minor components:* 20 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Platner

##### Setting

*Landform:* Plains  
*Landform position (three-dimensional):* Talf  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Parent material:* Alluvium derived from mixed

##### Typical profile

*H1 - 0 to 9 inches:* loam  
*H2 - 9 to 18 inches:* clay  
*H3 - 18 to 49 inches:* clay loam  
*H4 - 49 to 60 inches:* sandy loam

##### Properties and qualities

*Slope:* 3 to 5 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  
*Available water storage in profile:* High (about 10.2 inches)

##### Interpretive groups

*Land capability classification (irrigated):* 3e  
*Land capability classification (nonirrigated):* 3e  
*Hydrologic Soil Group:* C  
*Ecological site:* Loamy plains (R067BY002CO)

### **Minor Components**

#### **Ascalon**

*Percent of map unit:* 10 percent

#### **Colby**

*Percent of map unit:* 5 percent

#### **Stoneham**

*Percent of map unit:* 5 percent

## **Data Source Information**

Soil Survey Area: Adams County Area, Parts of Adams and Denver Counties,  
Colorado

Survey Area Data: Version 10, Dec 24, 2013