

## 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:* 2tlmz

*Elevation:* 3,580 to 5,600 feet

*Mean annual precipitation:* 13 to 19 inches

*Mean annual air temperature:* 46 to 52 degrees F

*Frost-free period:* 140 to 165 days

*Farmland classification:* Prime farmland if irrigated

#### Map Unit Composition

*Platner and similar soils:* 85 percent

*Minor components:* 15 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Platner

##### Setting

*Landform:* Interfluves

*Landform position (two-dimensional):* Summit

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Mixed eolian deposits over calcareous tertiary alluvium

##### Typical profile

*Ap - 0 to 6 inches:* loam

*Bt1 - 6 to 11 inches:* clay

*Bt2 - 11 to 20 inches:* clay

*Bk1 - 20 to 27 inches:* clay loam

*Bk2 - 27 to 37 inches:* sandy clay loam

*C - 37 to 80 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:* Medium

*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

*Salinity, maximum in profile:* Nonsaline (0.1 to 1.0 mmhos/cm)

*Available water storage in profile:* Moderate (about 7.9 inches)

### **Interpretive groups**

*Land capability classification (irrigated):* 4e

*Land capability classification (nonirrigated):* 4e

*Hydrologic Soil Group:* C

*Ecological site:* Loamy Plains (R067BY002CO)

*Hydric soil rating:* No

### **Minor Components**

#### **Wages**

*Percent of map unit:* 10 percent

*Landform:* Interfluves

*Landform position (two-dimensional):* Summit

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Ecological site:* Loamy Plains (R067BY002CO)

*Hydric soil rating:* No

#### **Stoneham**

*Percent of map unit:* 5 percent

*Landform:* Interfluves

*Landform position (two-dimensional):* Summit

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Ecological site:* Loamy Plains (R067BY002CO)

*Hydric soil rating:* No

## **Data Source Information**

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

Survey Area Data: Version 14, Oct 5, 2017