

## Weld County, Colorado, Northern Part

### 54—Platner loam, 0 to 3 percent slopes

#### Map Unit Setting

*Elevation:* 4,500 to 5,900 feet  
*Mean annual precipitation:* 17 to 19 inches  
*Mean annual air temperature:* 46 to 52 degrees F  
*Frost-free period:* 140 to 165 days

#### Map Unit Composition

*Platner and similar soils:* 80 percent  
*Minor components:* 20 percent

#### Description of Platner

##### Setting

*Landform:* Stream terraces, plains  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Parent material:* Calcareous loamy alluvium

##### Properties and qualities

*Slope:* 0 to 3 percent  
*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Well drained  
*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 content:* 10 percent  
*Maximum salinity:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Available water capacity:* Moderate (about 8.9 inches)

##### Interpretive groups

*Land capability classification (irrigated):* 2e  
*Land capability (nonirrigated):* 3e  
*Ecological site:* Loamy Plains (R067BY002CO)

##### Typical profile

*0 to 4 inches:* Loam  
*4 to 24 inches:* Clay  
*24 to 60 inches:* Sandy loam

#### Minor Components

##### Ascalon

*Percent of map unit:* 8 percent

##### Manzanola

*Percent of map unit:* 6 percent

**Nunn**

*Percent of map unit: 6 percent*

**Data Source Information**

Soil Survey Area: Weld County, Colorado, Northern Part

Survey Area Data: Version 8, Apr 30, 2009

## Weld County, Colorado, Northern Part

### 61—Stoneham fine sandy loam, 0 to 6 percent slopes

#### Map Unit Setting

*Elevation:* 4,000 to 6,500 feet  
*Mean annual precipitation:* 12 to 16 inches  
*Mean annual air temperature:* 48 to 52 degrees F  
*Frost-free period:* 130 to 170 days

#### Map Unit Composition

*Stoneham and similar soils:* 90 percent  
*Minor components:* 10 percent

#### Description of Stoneham

##### Setting

*Landform:* Alluvial fans, plains  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Parent material:* Calcareous loamy alluvium

##### Properties and qualities

*Slope:* 0 to 6 percent  
*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Well drained  
*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high to high (0.60 to 2.00 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Calcium carbonate, maximum content:* 15 percent  
*Maximum salinity:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Available water capacity:* High (about 11.2 inches)

##### Interpretive groups

*Land capability classification (irrigated):* 4e  
*Land capability (nonirrigated):* 4e  
*Ecological site:* Loamy Plains (R067BY002CO)

##### Typical profile

*0 to 5 inches:* Fine sandy loam  
*5 to 8 inches:* Clay loam  
*8 to 14 inches:* Loam  
*14 to 60 inches:* Sandy loam, gravelly sandy loam

#### Minor Components

##### Mitchell

*Percent of map unit:* 5 percent

**Kim**

*Percent of map unit: 5 percent*

## **Data Source Information**

Soil Survey Area: Weld County, Colorado, Northern Part  
Survey Area Data: Version 8, Apr 30, 2009