

## 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:* Plains, stream terraces

*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

*Farmland classification:* Prime farmland if irrigated

*Land capability classification (irrigated):* 2e

*Land capability (nonirrigated):* 3e

*Hydrologic Soil Group:* C

*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