

## Weld County, Colorado, Southern Part

### 41—Nunn clay loam, 0 to 1 percent slopes

#### Map Unit Setting

*National map unit symbol:* 2t1ng

*Elevation:* 4,100 to 5,700 feet

*Mean annual precipitation:* 14 to 15 inches

*Mean annual air temperature:* 48 to 52 degrees F

*Frost-free period:* 135 to 152 days

*Farmland classification:* Prime farmland if irrigated

#### Map Unit Composition

*Nunn and similar soils:* 85 percent

*Minor components:* 15 percent

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

#### Description of Nunn

##### Setting

*Landform:* Terraces

*Landform position (three-dimensional):* Tread

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Pleistocene aged alluvium derived from igneous, metamorphic and sedimentary rock and/or eolian deposits

##### Typical profile

*Ap - 0 to 6 inches:* clay loam

*Bt1 - 6 to 10 inches:* clay loam

*Bt2 - 10 to 26 inches:* clay loam

*Btk - 26 to 31 inches:* clay loam

*Bk1 - 31 to 47 inches:* loam

*Bk2 - 47 to 80 inches:* loam

##### Properties and qualities

*Slope:* 0 to 1 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:* 7 percent

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

*Sodium adsorption ratio, maximum in profile:* 0.5

*Available water storage in profile:* High (about 9.1 inches)

### **Interpretive groups**

*Land capability classification (irrigated):* 3e

*Land capability classification (nonirrigated):* 4e

*Hydrologic Soil Group:* C

*Ecological site:* Clayey Plains (R067BY042CO)

*Hydric soil rating:* No

### **Minor Components**

#### **Heldt**

*Percent of map unit:* 10 percent

*Landform:* Terraces

*Landform position (three-dimensional):* Tread

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Ecological site:* Clayey Plains (R067BY042CO)

*Hydric soil rating:* No

#### **Wages**

*Percent of map unit:* 5 percent

*Landform:* Terraces

*Landform position (three-dimensional):* Tread

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Ecological site:* Loamy Plains (R067BY002CO)

*Hydric soil rating:* No

## **Data Source Information**

Soil Survey Area: Weld County, Colorado, Southern Part

Survey Area Data: Version 14, Sep 22, 2015