

## Cheyenne County, Colorado

### 31—Nunn clay loam, 0 to 2 percent slopes

#### Map Unit Setting

*Elevation:* 4,500 to 6,700 feet

*Mean annual precipitation:* 12 to 18 inches

*Mean annual air temperature:* 46 to 54 degrees F

*Frost-free period:* 115 to 180 days

#### Map Unit Composition

*Nunn and similar soils:* 80 percent

*Minor components:* 20 percent

#### Description of Nunn

##### Setting

*Landform:* Stream terraces, alluvial fans

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Clayey alluvium

##### Typical profile

*Ap - 0 to 9 inches:* clay loam

*Bt - 9 to 19 inches:* clay loam, clay

*Bt - 9 to 19 inches:* clay loam, clay

*Btk - 19 to 27 inches:* clay loam, loam, gravelly sandy clay

*Btk - 19 to 27 inches:*

*Ck - 27 to 60 inches:*

*Ck - 27 to 60 inches:*

*Ck - 27 to 60 inches:*

##### Properties and qualities

*Slope:* 0 to 2 percent

*Depth to restrictive feature:* More than 80 inches

*Natural 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 in profile:* 15 percent

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Available water storage in profile:* Very high (about 21.6 inches)

##### Interpretive groups

*Farmland classification:* Prime farmland if irrigated

*Land capability classification (irrigated):* 2e

*Land capability classification (nonirrigated):* 3e

*Hydrologic Soil Group:* C

*Ecological site:* Clayey Plains (R067BY042CO)

### **Minor Components**

**Weld**

*Percent of map unit: 5 percent*

**Heldt**

*Percent of map unit: 5 percent*

**Satanta**

*Percent of map unit: 5 percent*

**Goshen**

*Percent of map unit: 5 percent*

### **Data Source Information**

Soil Survey Area: Cheyenne County, Colorado

Survey Area Data: Version 13, Dec 23, 2013