

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:

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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