

Weld County, Colorado, Southern Part

19—Colombo clay loam, 0 to 1 percent slopes

Map Unit Setting

Elevation: 4,600 to 4,780 feet

Mean annual precipitation: 12 to 16 inches

Mean annual air temperature: 48 to 52 degrees F

Frost-free period: 130 to 160 days

Map Unit Composition

Colombo and similar soils: 85 percent

Minor components: 15 percent

Description of Colombo

Setting

Landform: Terraces, flood plains

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Stratified, calcareous alluvium

Typical profile

H1 - 0 to 14 inches: moderately alkaline, clay loam

H2 - 14 to 21 inches: moderately alkaline, stratified loam to clay loam

H3 - 21 to 60 inches: moderately alkaline, stratified sand to loam to clay loam

Properties and qualities

Slope: 0 to 1 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 high (0.20 to 0.60 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum in profile: 10 percent

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

Available water storage in profile: High (about 9.4 inches)

Interpretive groups

Farmland classification: Prime farmland if irrigated

Land capability classification (irrigated): 1

Land capability classification (nonirrigated): 3e

Hydrologic Soil Group: B

Ecological site: Clayey Plains (R067BY042CO)

Minor Components

Dacono

Percent of map unit: 5 percent

Nunn

Percent of map unit: 5 percent

Heldt

Percent of map unit: 5 percent

Data Source Information

Soil Survey Area: Weld County, Colorado, Southern Part

Survey Area Data: Version 12, Jan 3, 2014