

## 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