

## Weld County, Colorado, Northern Part

### 49—Paoli fine sandy loam, 0 to 6 percent slopes

#### Map Unit Setting

*National map unit symbol:* 3603

*Elevation:* 3,500 to 6,500 feet

*Mean annual precipitation:* 13 to 17 inches

*Mean annual air temperature:* 46 to 48 degrees F

*Frost-free period:* 130 to 150 days

*Farmland classification:* Farmland of statewide importance

#### Map Unit Composition

*Paoli and similar soils:* 90 percent

*Minor components:* 10 percent

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

#### Description of Paoli

##### Setting

*Landform:* Alluvial fans

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Calcareous loamy alluvium

##### Typical profile

*H1 - 0 to 15 inches:* fine sandy loam

*H2 - 15 to 45 inches:* sandy loam

*H3 - 45 to 60 inches:* sandy loam

##### Properties and qualities

*Slope:* 0 to 6 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Well drained

*Runoff class:* Very low

*Capacity of the most limiting layer to transmit water (Ksat):* High  
(2.00 to 6.00 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 to very slightly saline (0.0  
to 2.0 mmhos/cm)

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

##### Interpretive groups

*Land capability classification (irrigated):* 3e

*Land capability classification (nonirrigated):* 3e

*Hydrologic Soil Group:* A

*Ecological site:* Sandy Plains (R067BY024CO)

*Hydric soil rating:* No

### **Minor Components**

#### **Haverson**

*Percent of map unit:* 8 percent

*Hydric soil rating:* No

#### **Fluvaquentic haplustolls**

*Percent of map unit:* 2 percent

*Landform:* Terraces

*Hydric soil rating:* Yes

## **Data Source Information**

Soil Survey Area: Weld County, Colorado, Northern Part

Survey Area Data: Version 12, Oct 10, 2017