

Weld County, Colorado, Northern Part

50—Paoli fine sandy loam, 6 to 9 percent slopes

Map Unit Setting

National map unit symbol: 3605

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: Not prime farmland

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: Fans

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Calcareous loamy alluvium and/or colluvium

Typical profile

H1 - 0 to 13 inches: fine sandy loam

H2 - 13 to 45 inches: sandy loam

H3 - 45 to 60 inches: sandy loam

Properties and qualities

Slope: 6 to 9 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Well drained

Runoff class: 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): 4e

Land capability classification (nonirrigated): 4e

Hydrologic Soil Group: A

Ecological site: Sandy Plains (R067BY024CO)

Minor Components

Satanta

Percent of map unit: 5 percent

Landform: Paleoterraces

Haverson

Percent of map unit: 5 percent

Data Source Information

Soil Survey Area: Weld County, Colorado, Northern Part

Survey Area Data: Version 10, Sep 23, 2014