

Weld County, Colorado, Southern Part

68—Ustic Torriorthents, moderately steep

Map Unit Setting

National map unit symbol: 3631

Elevation: 4,450 to 5,100 feet

Mean annual precipitation: 10 to 16 inches

Mean annual air temperature: 46 to 54 degrees F

Frost-free period: 120 to 160 days

Farmland classification: Not prime farmland

Map Unit Composition

Ustic torriorthents and similar soils: 85 percent

Minor components: 15 percent

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

Description of Ustic Torriorthents

Setting

Landform: Escarpments, breaks

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Gravelly alluvium

Typical profile

H1 - 0 to 10 inches: gravelly sand

H2 - 10 to 60 inches: gravelly sand

Properties and qualities

Slope: 9 to 15 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Excessively drained

Runoff class: Low

Capacity of the most limiting layer to transmit water (Ksat): High to very high (5.95 to 19.98 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum in profile: 5 percent

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

Available water storage in profile: Very low (about 1.8 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7s

Hydrologic Soil Group: A

Minor Components

Columbo

Percent of map unit: 10 percent

Eckley

Percent of map unit: 3 percent

Otero

Percent of map unit: 2 percent

Data Source Information

Soil Survey Area: Weld County, Colorado, Southern Part

Survey Area Data: Version 13, Sep 23, 2014