

Weld County, Colorado, Northern Part

20—Cascajo gravelly sandy loam, 5 to 20 percent slopes

Map Unit Setting

National map unit symbol: 35z3

Elevation: 4,000 to 5,000 feet

Mean annual precipitation: 11 to 13 inches

Mean annual air temperature: 52 to 54 degrees F

Frost-free period: 120 to 160 days

Farmland classification: Not prime farmland

Map Unit Composition

Cascajo and similar soils: 85 percent

Minor components: 15 percent

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

Description of Cascajo

Setting

Landform: Breaks, ridges

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Calcareous gravelly alluvium

Typical profile

H1 - 0 to 3 inches: gravelly sandy loam

H2 - 3 to 24 inches: very gravelly loamy sand

H3 - 24 to 60 inches: very gravelly sand

Properties and qualities

Slope: 5 to 20 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 (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: 25 percent

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

Available water storage in profile: Low (about 3.9 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7s

Hydrologic Soil Group: A

Ecological site: Gravel Breaks (R067BY063CO)

Minor Components

Stoneham

Percent of map unit: 14 percent

Otero

Percent of map unit: 1 percent

Data Source Information

Soil Survey Area: Weld County, Colorado, Northern Part

Survey Area Data: Version 10, Sep 23, 2014