

Elbert County, Colorado, Eastern Part

StC2—Stoneham complex, 1 to 5 percent slopes, eroded

Map Unit Setting

National map unit symbol: 3665

Elevation: 4,000 to 6,500 feet

Mean annual precipitation: 12 to 16 inches

Mean annual air temperature: 48 to 52 degrees F

Frost-free period: 130 to 170 days

Farmland classification: Not prime farmland

Map Unit Composition

Stoneham, eroded, and similar soils: 75 percent

Minor components: 25 percent

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

Description of Stoneham, Eroded

Setting

Landform: Hills, plains

Landform position (three-dimensional): Side slope

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Loamy alluvium and/or eolian deposits

Typical profile

A - 0 to 4 inches: sandy loam

Bt - 4 to 12 inches: loam

Bk - 12 to 40 inches: loam

C - 40 to 60 inches: sandy loam

Properties and qualities

Slope: 1 to 5 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):

Moderately high to high (0.60 to 2.00 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: Moderate (about 8.3 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 6e

Hydrologic Soil Group: B

Ecological site: Sandy Plains (R069XY026CO)

Minor Components

Ascalon

Percent of map unit: 13 percent

Platner

Percent of map unit: 12 percent

Data Source Information

Soil Survey Area: Elbert County, Colorado, Eastern Part

Survey Area Data: Version 11, Sep 29, 2014