

Weld County, Colorado, Northern Part

61—Stoneham fine sandy loam, 0 to 6 percent slopes

Map Unit Setting

National map unit symbol: 360k

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: Farmland of statewide importance

Map Unit Composition

Stoneham and similar soils: 90 percent

Minor components: 10 percent

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

Description of Stoneham

Setting

Landform: Alluvial fans, plains

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Calcareous loamy alluvium

Typical profile

H1 - 0 to 5 inches: fine sandy loam

H2 - 5 to 8 inches: clay loam

H3 - 8 to 14 inches: loam

H4 - 14 to 60 inches: gravelly sandy loam, sandy loam

H4 - 14 to 60 inches:

Properties and qualities

Slope: 0 to 6 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: High (about 11.2 inches)

Interpretive groups

Land capability classification (irrigated): 4e

Land capability classification (nonirrigated): 4e

Hydrologic Soil Group: B

Ecological site: Loamy Plains (R067BY002CO)

Minor Components

Mitchell

Percent of map unit: 5 percent

Kim

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