

Map Unit Description

Weld County, Colorado, Northern Part

61 Stoneham fine sandy loam, 0 to 6 percent slopes

Setting

Elevation: 4000 to 6500 feet
Mean annual precipitation: 12 to 16 inches
Mean annual air temperature: 48 to 52 degrees F
Frost-free period: 130 to 170 days

Composition

Stoneham and similar soils: 90 percent
Minor components: 10 percent

Description of Stoneham

Setting

Landform: Alluvial fans, plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Calcareous loamy alluvium

Properties and Qualities

Slope: 0 to 6 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.60 to 2.00 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Gypsum maximum: 0 percent
Available water capacity: Moderate (about 6.7 inches)

Interpretive Groups

Land capability classification (irrigated): 4e
Land capability (non irrigated): 4e
Ecological site: Loamy Plains (R067BY002CO)

Typical Profile

0 to 5 inches: fine sandy loam
5 to 8 inches: clay loam
8 to 14 inches: loam
14 to 60 inches: sandy loam, gravelly sandy loam

Minor Components

Mitchell

Percent of map unit: 5 percent

Kim

Percent of map unit: 5 percent