

# 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