

## 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:* sandy loam, gravelly 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)

*Hydric soil rating:* No

#### **Minor Components**

##### **Kim**

*Percent of map unit:* 5 percent

*Hydric soil rating:* No

##### **Mitchell**

*Percent of map unit:* 5 percent

*Hydric soil rating:* No

### **Data Source Information**

Soil Survey Area: Weld County, Colorado, Northern Part

Survey Area Data: Version 11, Sep 22, 2016