

# Map Unit Description

Cheyenne County, Colorado

## 41 Stoneham loam, 0 to 3 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: 80 percent  
Minor components: 20 percent

### Description of Stoneham

#### Setting

Landform: Plains  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Mixed calcareous alluvium

#### Properties and Qualities

Slope: 0 to 3 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: High (about 9.6 inches)

#### Interpretive Groups

Land capability classification (irrigated): 2e  
Land capability (non irrigated): 3e  
Ecological site: Loamy Plains (R067BY002CO)

#### Typical Profile

0 to 3 inches: loam  
3 to 7 inches: clay loam, sandy clay loam, loam  
7 to 60 inches: loam, clay loam, sandy clay loam

### Minor Components

#### Fort collins

Percent of map unit: 7 percent

#### Wiley

Percent of map unit: 7 percent

#### Satanta

Percent of map unit: 6 percent