

# Map Unit Description

Kit Carson County, Colorado

## 82 Stoneham-Kimst-Fort Collins loams, 5 to 15 percent slopes

### Setting

Elevation: 4300 to 5200 feet  
Mean annual precipitation: 13 to 17 inches  
Mean annual air temperature: 45 to 50 degrees F  
Frost-free period: 145 to 152 days

### Composition

Stoneham and similar soils: 40 percent  
Kimst and similar soils: 20 percent  
Fort Collins and similar soils: 20 percent  
Minor components: 20 percent

### Description of Stoneham

#### Setting

Landform: Hills  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Fine-loamy eolian deposits over fine-loamy alluvium

#### Properties and Qualities

Slope: 5 to 9 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 10.7 inches)

#### Interpretive Groups

Land capability classification (irrigated): 6e  
Land capability (non irrigated): 6e  
Ecological site: Loamy Plains (R067BY002CO)

#### Typical Profile

0 to 3 inches: loam  
3 to 6 inches: clay loam  
6 to 10 inches: clay loam  
10 to 27 inches: loam  
27 to 60 inches: loam

### Description of Kimst

#### Setting

Landform: Hills  
Landform position (two-dimensional): Shoulder, summit  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Fine-loamy eolian deposits over fine-loamy alluvium

#### Properties and Qualities

Slope: 5 to 15 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 10.7 inches)

#### Interpretive Groups

Land capability classification (irrigated): 6e  
Land capability (non irrigated): 6e  
Ecological site: Loamy Slopes (R067BY008CO)

# Map Unit Description

Kit Carson County, Colorado

## Typical Profile

0 to 6 inches: loam  
6 to 12 inches: loam  
12 to 60 inches: loam

## Description of Fort collins

### Setting

Landform: Hills  
Landform position (two-dimensional): Footslope, toeslope  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Fine-loamy eolian deposits over fine-loamy alluvium

### Properties and Qualities

Slope: 5 to 9 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 10.6 inches)

### Interpretive Groups

Land capability classification (irrigated): 6e  
Land capability (non irrigated): 6e  
Ecological site: Loamy Plains (R067BY002CO)

## Typical Profile

0 to 5 inches: loam  
5 to 9 inches: loam  
9 to 19 inches: clay loam  
19 to 26 inches: clay loam  
26 to 60 inches: loam

## Minor Components

### Eckley soils

Percent of map unit: 5 percent  
Landform: Hills  
Landform position (two-dimensional): Shoulder  
Other vegetative classification: GRAVEL BREAKS (067XY063CO\_1)

### Rock outcrop

Percent of map unit: 5 percent  
Landform: Hills

### Sampson soils

Percent of map unit: 5 percent  
Landform: Drainageways  
Ecological site: Overflow Central/South - Draft (R067XY036CO)

### Olneest soils

Percent of map unit: 3 percent  
Landform: Hills  
Other vegetative classification: SANDY PLAINS (067XY024CO\_1)

### Vona soils

Percent of map unit: 2 percent  
Landform: Hills  
Other vegetative classification: SANDY PLAINS (067XY024CO\_1)