

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)

Oldest 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)