

Map Unit Description

Arapahoe County, Colorado

FoC Fondis-Colby silt loams, 3 to 5 percent slopes

Setting

Elevation: 4700 to 6200 feet
Mean annual precipitation: 12 to 16 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 150 to 170 days

Composition

Fondis and similar soils: 65 percent
Colby and similar soils: 25 percent
Minor components: 10 percent

Description of Fondis

Setting

Landform: Drainageways
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Silty and/or loamy

Properties and Qualities

Slope: 3 to 5 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low or moderately high (0.06 to 0.20 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Gypsum maximum: 0 percent
Available water capacity: High (about 10.8 inches)

Interpretive Groups

Land capability (non irrigated): 3c
Ecological site: LOAMY FOOTHILL (R067XY202CO)

Typical Profile

0 to 5 inches: silt loam
5 to 17 inches: clay
17 to 60 inches: clay loam

Description of Colby

Setting

Landform: Ridges
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Fine-loamy eolian deposits and/or fine-silty eolian deposits

Properties and Qualities

Slope: 3 to 5 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.57 to 2.00 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 20 percent
Gypsum maximum: 0 percent
Available water capacity: High (about 10.2 inches)

Interpretive Groups

Land capability (non irrigated): 3c
Ecological site: LOAMY FOOTHILL (R067XY202CO)

Typical Profile

0 to 4 inches: silt loam
4 to 60 inches: silt loam, loam

Minor Components

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Weld

Percent of map unit: 6 percent

Ft collins

Percent of map unit: 4 percent