

Map Unit Description

Boulder County Area, Colorado

WIB **Weld loam, 1 to 3 percent slopes**

Setting

Landscape: Uplands
Elevation: 4900 to 5500 feet
Mean annual precipitation: 12 to 18 inches
Mean annual air temperature: 48 to 52 degrees F
Frost-free period: 140 to 155 days

Composition

Weld and similar soils: 85 percent
Minor components: 15 percent

Description of Weld

Setting

Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Loamy eolian deposits

Properties and Qualities

Slope: 1 to 3 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: 6 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 6 inches: loam
6 to 18 inches: silty clay loam, silty clay, clay
18 to 24 inches: silt loam, loam, silty clay loam
24 to 60 inches: silt loam, loam, sandy loam

Minor Components

Wiley

Percent of map unit: 10 percent

Colby

Percent of map unit: 5 percent

Map Unit Description

Boulder County Area, Colorado

WoB Weld-Colby complex, 0 to 3 percent slopes

Setting

Landscape: Uplands
Elevation: 4900 to 5500 feet
Mean annual precipitation: 12 to 18 inches
Mean annual air temperature: 48 to 52 degrees F
Frost-free period: 140 to 155 days

Composition

Weld and similar soils: 55 percent
Colby and similar soils: 30 percent
Minor components: 15 percent

Description of Weld

Setting

Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Loamy eolian deposits

Properties and Qualities

Slope: 0 to 3 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: 6 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 6 inches: loam
6 to 18 inches: silty clay loam, silty clay, clay
18 to 24 inches: silt loam, loam, silty clay loam
24 to 60 inches: silt loam, loam, sandy loam

Description of Colby

Setting

Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Loamy eolian deposits

Properties and Qualities

Slope: 0 to 3 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 10 percent
Gypsum maximum: 0 percent
Available water capacity: High (about 11.4 inches)

Interpretive Groups

Land capability classification (irrigated): 2e
Land capability (non irrigated): 4e
Ecological site: Loamy Plains (R067BY002CO)

Typical Profile

0 to 12 inches: silty clay loam
12 to 43 inches: silty clay loam

Map Unit Description

Boulder County Area, Colorado

43 to 60 inches: clay loam

Minor Components

Wiley

Percent of map unit: 15 percent