

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

AoC Ascalon-Otero complex, 3 to 5 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

Ascalon and similar soils: 55 percent
Otero and similar soils: 35 percent
Minor components: 10 percent

Description of Ascalon

Setting

Landform: Terraces, ridges
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Mixed loamy alluvium and/or 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 (0.60 to 2.00 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 10 percent
Gypsum maximum: 0 percent
Available water capacity: Moderate (about 6.6 inches)

Interpretive Groups

Land capability classification (irrigated): 3e
Land capability (non irrigated): 3e
Ecological site: Sandy (R067XB026CO)

Typical Profile

0 to 5 inches: sandy loam
5 to 16 inches: sandy clay loam, sandy loam
16 to 60 inches: fine sandy loam, loamy fine sand, sandy loam

Description of Otero

Setting

Landform: Terraces, ridges
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Mixed loamy alluvium over eolian deposits

Properties and Qualities

Slope: 3 to 5 percent
Drainage class: Somewhat excessively drained
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 5 percent
Gypsum maximum: 0 percent
Available water capacity: Moderate (about 7.1 inches)

Interpretive Groups

Land capability classification (irrigated): 3e
Land capability (non irrigated): 3c
Ecological site: Sandy (R067XB026CO)

Typical Profile

0 to 10 inches: sandy loam

Map Unit Description

Boulder County Area, Colorado

10 to 60 inches: sandy loam, fine sandy loam

Minor Components

Kim

Percent of map unit: 7 percent

Weld

Percent of map unit: 2 percent

Aquic haplustolls

Percent of map unit: 1 percent

Landform: Swales