

Arapahoe County, Colorado

WeB—Weld silt loam, 0 to 3 percent slopes

Map Unit Setting

Elevation: 3,600 to 5,700 feet
Mean annual precipitation: 13 to 17 inches
Mean annual air temperature: 46 to 55 degrees F
Frost-free period: 100 to 155 days

Map Unit Composition

Weld and similar soils: 90 percent
Minor components: 10 percent

Description of Weld

Setting

Landform: Hills, depressions
Landform position (two-dimensional): Footslope
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Eolian deposits

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Capacity of the most limiting layer to transmit water
(Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 6 percent
Maximum salinity: Nonsaline (0.0 to 2.0 mmhos/cm)
Available water capacity: Very high (about 27.3 inches)

Interpretive groups

Farmland classification: Prime farmland if irrigated
Land capability (nonirrigated): 3c
Hydrologic Soil Group: C
Ecological site: Loamy Plains (R067BY002CO)

Typical profile

0 to 5 inches: Silt loam
5 to 14 inches: Silty clay loam, silty clay, clay
14 to 26 inches: Silt loam, loam, silty clay loam
26 to 60 inches: Silt loam, loam, sandy loam

Minor Components

Colby

Percent of map unit: 4 percent

Deertrail

Percent of map unit: 4 percent

Adena

Percent of map unit: 2 percent

Data Source Information

Soil Survey Area: Arapahoe County, Colorado

Survey Area Data: Version 9, Dec 24, 2013