

Arapahoe County, Colorado

WeB—Weld silt loam, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 34zs
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
Farmland classification: Prime farmland if irrigated

Map Unit Composition

Weld and similar soils: 90 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Weld

Setting

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

Typical profile

H1 - 0 to 5 inches: silt loam
H2 - 5 to 14 inches: silty clay loam, silty clay, clay
H2 - 5 to 14 inches: silt loam, loam, silty clay loam
H2 - 5 to 14 inches: silt loam, loam, sandy loam
H3 - 14 to 26 inches:
H3 - 14 to 26 inches:
H3 - 14 to 26 inches:
H4 - 26 to 60 inches:
H4 - 26 to 60 inches:
H4 - 26 to 60 inches:

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Runoff class: Low
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 in profile: 6 percent
Salinity, maximum in profile: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Available water storage in profile: Very high (about 27.3 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 3c

Hydrologic Soil Group: C

Ecological site: Loamy Plains (R067BY002CO)

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 10, Sep 23, 2014