

Arapahoe County, Colorado

BuE—Bresser-Stapleton sandy loams, 9 to 20 percent slopes

Map Unit Setting

National map unit symbol: 34y4
Elevation: 5,300 to 6,800 feet
Mean annual precipitation: 12 to 16 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 135 to 170 days
Farmland classification: Not prime farmland

Map Unit Composition

Stapleton and similar soils: 40 percent
Bresser and similar soils: 40 percent
Minor components: 20 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Bresser

Setting

Landform: Drainageways, stream terraces
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Noncalcareous sandy alluvium and/or noncalcareous sandy eolian deposits

Typical profile

H1 - 0 to 7 inches: sandy loam
H2 - 7 to 18 inches: sandy clay loam, clay loam
H2 - 7 to 18 inches: sandy loam, coarse sandy loam, gravelly sandy loam
H3 - 18 to 28 inches: loamy coarse sand, gravelly loamy sand
H3 - 18 to 28 inches:
H3 - 18 to 28 inches:
H4 - 28 to 60 inches:
H4 - 28 to 60 inches:

Properties and qualities

Slope: 9 to 15 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat):
Moderately high to high (0.57 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 10 percent
Available water storage in profile: Very high (about 12.5 inches)

Interpretive groups

Land capability classification (irrigated): 6e

Land capability classification (nonirrigated): 6e

Hydrologic Soil Group: B

Ecological site: Sandy foothill (R049BY210CO)

Description of Stapleton

Setting

Landform: Ridges, hills

Landform position (two-dimensional): Shoulder, summit

Landform position (three-dimensional): Side slope

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Arkosic sandstone

Typical profile

H1 - 0 to 6 inches: sandy loam

H2 - 6 to 19 inches: sandy loam, gravelly sandy loam

H2 - 6 to 19 inches: weathered bedrock

H3 - 19 to 23 inches:

Properties and qualities

Slope: 9 to 20 percent

Depth to restrictive feature: 10 to 20 inches to paralithic bedrock

Natural drainage class: Well drained

Runoff class: Medium

Capacity of the most limiting layer to transmit water (Ksat):

Moderately low to high (0.06 to 2.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Available water storage in profile: Low (about 3.3 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 6e

Hydrologic Soil Group: D

Ecological site: Sandy foothill (R049BY210CO)

Minor Components

Buick

Percent of map unit: 10 percent

Litle

Percent of map unit: 5 percent

Renohill

Percent of map unit: 5 percent

Data Source Information

Soil Survey Area: Arapahoe County, Colorado

Survey Area Data: Version 10, Sep 23, 2014