

## 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:*

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##### 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