

Elbert County, Colorado, Western Part

5—Bresser sandy loam, 0 to 4 percent slopes

Map Unit Setting

Elevation: 5,300 to 6,400 feet

Mean annual precipitation: 14 to 17 inches

Map Unit Composition

Bresser and similar soils: 80 percent

Minor components: 20 percent

Description of Bresser

Setting

Landform: Ridges, hills

Landform position (three-dimensional): Side slope, crest

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Alluvium and/or arkosic residuum weathered from sedimentary rock

Properties and qualities

Slope: 0 to 4 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Capacity of the most limiting layer to transmit water

(Ksat): Moderately high to high (0.60 to 2.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 10 percent

Available water capacity: High (about 11.0 inches)

Interpretive groups

Farmland classification: Farmland of statewide importance

Land capability classification (irrigated): 2e

Land capability (nonirrigated): 3e

Hydrologic Soil Group: B

Ecological site: Sandy Foothill (R049BY210CO)

Typical profile

0 to 7 inches: Sandy loam

7 to 20 inches: Sandy clay loam, clay loam

20 to 29 inches: Sandy loam

29 to 60 inches: Loamy coarse sand, gravelly loamy sand, very gravelly loamy sand

Minor Components

Ascalon

Percent of map unit: 10 percent

Truckton

Percent of map unit: 5 percent

Weld

Percent of map unit: 4 percent

Aquic haplustoll

Percent of map unit: 1 percent

Landform: Terraces

Data Source Information

Soil Survey Area: Elbert County, Colorado, Western Part

Survey Area Data: Version 10, Dec 23, 2013

5—Bresser sandy loam, 0 to 4 percent slopes						
Bresser	Sandy Foothill	1,800	1,500	1,000	Prairie sandreed	20
					Blue grama	15
					Sideoats grama	10
					Little bluestem	10
					Needleandthread	10
					Prairie junegrass	10
					Western wheatgrass	5
					Sand dropseed	5
					Sand bluestem	5
					Prairie sagewort	5
					Fendler threeawn	3
					Sedge	2

Elbert County, Colorado, Western Part

30—Kutch clay loam, 4 to 8 percent slopes

Map Unit Setting

Elevation: 5,300 to 6,400 feet

Mean annual precipitation: 14 to 17 inches

Map Unit Composition

Kutch and similar soils: 90 percent

Minor components: 10 percent

Description of Kutch

Setting

Landform: Valley sides, hills, ridges

Landform position (two-dimensional): Footslope

Landform position (three-dimensional): Side slope, crest

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Calcareous residuum weathered from clayey shale

Properties and qualities

Slope: 4 to 8 percent

Depth to restrictive feature: 20 to 40 inches to paralithic bedrock

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: 15 percent

Gypsum, maximum content: 2 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 4.0 mmhos/cm)

Available water capacity: High (about 10.6 inches)

Interpretive groups

Farmland classification: Not prime farmland

Land capability classification (irrigated): 4e

Land capability (nonirrigated): 4e

Hydrologic Soil Group: C

Ecological site: Clayey Foothill (R049BY208CO)

Typical profile

0 to 4 inches: Clay loam

4 to 30 inches: Clay, clay loam

30 to 34 inches: Weathered bedrock

Minor Components

Renohill

Percent of map unit: 5 percent

Nunn

Percent of map unit: 4 percent

Aquic haplustoll

Percent of map unit: 1 percent

Landform: Swales

Data Source Information

Soil Survey Area: Elbert County, Colorado, Western Part

Survey Area Data: Version 10, Dec 23, 2013

30—Kutch clay loam, 4 to 8 percent slopes						
Kutch	Clayey Foothill	1,500	1,200	800	Western wheatgrass	25
					Blue grama	20
					Little bluestem	15
					Sideoats grama	10
					Green needlegrass	7
					Prairie junegrass	3
					Rubber rabbitbrush	3
					Fourwing saltbush	1