

# Map Unit Description

Elbert County, Colorado, Eastern Part

**BtD** Bresser-Truckton-Blakeland complex, 3 to 9 percent slopes

## Setting

Elevation: 4500 to 6800 feet  
Mean annual precipitation: 12 to 18 inches  
Mean annual air temperature: 46 to 52 degrees F  
Frost-free period: 125 to 180 days

## Composition

Bresser and similar soils: 45 percent  
Truckton and similar soils: 25 percent  
Blakeland and similar soils: 20 percent  
Minor components: 10 percent

## Description of Bresser

### Setting

Landform: Benches, hills  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Eolian deposits and/or outwash

### Properties and Qualities

Slope: 3 to 6 percent  
Drainage class: Well drained  
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.57 to 2.00 in/hr)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 10 percent  
Gypsum maximum: 0 percent  
Available water capacity: Low (about 5.7 inches)

### Interpretive Groups

Land capability classification (irrigated): 3e  
Land capability (non irrigated): 4e  
Ecological site: Sandy Plains (R067BY024CO)

### Typical Profile

0 to 8 inches: sandy loam  
8 to 21 inches: sandy clay loam  
21 to 29 inches: sandy loam  
29 to 60 inches: loamy coarse sand

## Description of Truckton

### Setting

Landform: Hills  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Eolian deposits

### Properties and Qualities

Slope: 5 to 9 percent  
Drainage class: Well drained  
Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 6.00 in/hr)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 0 percent  
Gypsum maximum: 0 percent  
Available water capacity: Low (about 6.0 inches)

### Interpretive Groups

Land capability classification (irrigated): 6e  
Land capability (non irrigated): 6e  
Ecological site: Sandy Plains (R067BY024CO)

### Typical Profile

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0 to 9 inches: loamy sand  
9 to 31 inches: sandy loam  
31 to 60 inches: loamy sand

## Description of Blakeland

### Setting

Landform: Hills  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Eolian sands

### Properties and Qualities

Slope: 5 to 9 percent  
Drainage class: Somewhat excessively drained  
Capacity of the most limiting layer to transmit water (Ksat): High or very high (5.95 to 19.98 in/hr)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 5 percent  
Gypsum maximum: 0 percent  
Available water capacity: Low (about 4.3 inches)

### Interpretive Groups

Land capability classification (irrigated): 4e  
Land capability (non irrigated): 6e  
Ecological site: Deep Sand (R067BY015CO)

### Typical Profile

0 to 13 inches: loamy sand  
13 to 60 inches: loamy sand

## Minor Components

### Stoneham

Percent of map unit: 10 percent

# Rangeland Productivity and Plant Composition

Elbert County, Colorado, Eastern Part

Map symbol and soil name	Ecological site	Total dry-weight production			Characteristic vegetation	Rangeland composition
		Favorable year	Normal year	Unfavorable year		
		<i>Lb/Ac</i>	<i>Lb/Ac</i>	<i>Lb/Ac</i>		<i>Pct</i>
BtD:						
Bresser	Sandy Plains	1,600	1,400	1,200	Needleandthread	15
					Prairie sandreed	10
					Sand dropseed	10
					Fendler threeawn	5
					Prairie Junegrass	5
					Sand bluestem	5
					Sideoats grama	5
					Western wheatgrass	5
					Little bluestem	3
					Fringed sagewort	1
Truckton	Sandy Plains	2,000	1,600	1,200	Prairie sandreed	30
					Needleandthread	10
					Sand dropseed	10
					Sand bluestem	5
					Sideoats grama	5
					Western wheatgrass	5
Blakeland	Deep Sand	1,800	1,500	1,200	Prairie sandreed	20
					Sand bluestem	15
					Needleandthread	10
					Thickspike wheatgrass	10
					Fendler threeawn	5
					Little bluestem	5
					Sand dropseed	5
					Sand sagebrush	5