

Rangeland Productivity and Plant Composition

Douglas-Plateau Area, Colorado, Parts of Garfield and Mesa Counties

Map symbol and soil name	Ecological site	Total dry-weight production			Characteristic vegetation	Rangeland composition
		Favorable year	Normal year	Unfavorable year		
		Lb/Ac	Lb/Ac	Lb/Ac		
65:						Pct
Torriorthents, cool	----	800	500	200	----	----
Rock outcrop	-----	-----	-----	-----	-----	-----

Map Unit Description

Douglas-Plateau Area, Colorado, Parts of Garfield and Mesa Counties

65 Torriorthents, cool-Rock outcrop complex, 35 to 90 percent slopes

Setting

Elevation: 6200 to 8500 feet
Mean annual precipitation: 16 to 20 inches
Mean annual air temperature: 42 to 44 degrees F
Frost-free period: 85 to 100 days

Composition

Torriorthents, cool, and similar soils: 50 percent
Rock outcrop: 40 percent

Description of Torriorthents, cool

Setting

Landform: Canyons, ridges, hills, mountains
Landform position (two-dimensional): Backslope
Down-slope shape: Concave, linear
Across-slope shape: Convex, linear
Parent material: Colluvium derived from limestone and siltstone and/or colluvium derived from sandstone and shale and/or residuum weathered from limestone and siltstone and/or residuum weathered from sandstone and shale

Properties and Qualities

Slope: 35 to 90 percent
Depth to restrictive feature: 4 to 60 inches to Lithic bedrock
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low or high (0.06 to 2.00 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Gypsum maximum: 0 percent
Salinity maximum: Very slightly saline or slightly saline (4.0 to 8.0 mmhos/cm)
Available water capacity: Very low (about 0.9 inches)

Interpretive Groups

Land capability (non irrigated): 7e

Typical Profile

0 to 2 inches: channery loam
2 to 13 inches: very channery loam, channery loam
13 to 17 inches: weathered bedrock

Description of Rock outcrop

Setting

Landform: Canyons, hills, mountains, ridges
Landform position (two-dimensional): Backslope
Down-slope shape: Concave, linear
Across-slope shape: Convex, linear

Properties and Qualities

Slope: 35 to 90 percent
Depth to restrictive feature: 0 to 0 inches to Lithic bedrock
Capacity of the most limiting layer to transmit water (Ksat): Very low (0.00 to 0.00 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Very low (about 0.0 inches)

Interpretive Groups

Land capability (non irrigated): 8s

Typical Profile

0 to 60 inches: unweathered bedrock