

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 | | Pct |
| 56: Parachute | Brushy Loam | 3,000 | 2,000 | 1,500 | Saskatoon serviceberry Elk sedge Mountain brome Western wheatgrass Columbia needlegrass Letterman's needlegrass Mountain big sagebrush Mountain snowberry | 15 10 10 10 5 5 5 5 |
| Trigul | Loamy Slopes | 1,200 | 900 | 500 | Bluebunch wheatgrass Bottlebrush squirreltail Mountain big sagebrush Prairie Junegrass Saskatoon serviceberry Western wheatgrass | 10 10 10 10 10 10 |
| Rhone | Brushy Loam | 3,000 | 2,000 | 1,500 | Saskatoon serviceberry Elk sedge Mountain brome Nodding brome Slender wheatgrass Letterman's needlegrass Mountain snowberry Rose | 15 10 10 10 10 5 5 5 |

Map Unit Description

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

56 Parachute-Irigul-Rhone association, 25 to 50 percent slopes

Setting

Elevation: 7600 to 8800 feet
Mean annual precipitation: 18 to 22 inches
Mean annual air temperature: 36 to 40 degrees F
Frost-free period: 65 to 80 days

Composition

Parachute and similar soils: 35 percent
Irigul and similar soils: 30 percent
Rhone and similar soils: 20 percent

Description of Parachute

Setting

Landform: Mountains
Landform position (two-dimensional): Shoulder, summit
Down-slope shape: Linear
Across-slope shape: Convex
Parent material: Colluvium derived from sandstone and shale and/or residuum weathered from siltstone

Properties and Qualities

Slope: 25 to 50 percent
Depth to restrictive feature: 20 to 40 inches to Paralitthic bedrock
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low or moderately high (0.06 to 0.20 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 0 percent
Gypsum maximum: 0 percent
Available water capacity: Very low (about 2.8 inches)

Interpretive Groups

Land capability (non irrigated): 7e
Ecological site: Brushy Loam (R048AY238CO)

Typical Profile

0 to 10 inches: loam
10 to 25 inches: very channery loam, extremely channery loam
25 to 29 inches: unweathered bedrock

Description of Irigul

Setting

Landform: Hills
Landform position (two-dimensional): Backslope, footslope, shoulder, summit, toeslope
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Residuum weathered from sandstone and shale

Properties and Qualities

Slope: 25 to 50 percent
Depth to restrictive feature: 5 to 20 inches to Lithic bedrock
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low or moderately high (0.06 to 0.20 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 0 percent
Gypsum maximum: 0 percent
Available water capacity: Very low (about 1.3 inches)

Interpretive Groups

Land capability (non irrigated): 7e
Ecological site: Loamy Slopes (R048AY303CO)

Typical Profile

Map Unit Description

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

0 to 6 inches: channery loam
6 to 13 inches: very channery loam
13 to 17 inches: unweathered bedrock

Description of Rhone

Setting

Landform: Hills, mountains
Landform position (two-dimensional): Backslope, footslope, shoulder, summit
Down-slope shape: Concave
Across-slope shape: Concave
Parent material: Colluvium derived from sandstone and shale and/or residuum weathered from sandstone and shale

Properties and Qualities

Slope: 25 to 50 percent
Depth to restrictive feature: 40 to 60 inches to Paralithic bedrock
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low or moderately high (0.06 to 0.20 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 0 percent
Gypsum maximum: 0 percent
Available water capacity: Moderate (about 7.5 inches)

Interpretive Groups

Land capability (non irrigated): 7e
Ecological site: Brushy Loam (R048AY238CO)

Typical Profile

0 to 10 inches: loam
10 to 39 inches: channery loam
39 to 55 inches: very channery loam
55 to 59 inches: unweathered bedrock