

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

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

Map Unit Setting

Elevation: 7,600 to 8,800 feet

Mean annual precipitation: 18 to 22 inches

Mean annual air temperature: 36 to 40 degrees F

Frost-free period: 65 to 80 days

Map Unit 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): Summit, shoulder

Landform position (three-dimensional): Mountaintop

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 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

Available water capacity: Low (about 4.0 inches)

Interpretive groups

Farmland classification: Not prime farmland

Land capability (nonirrigated): 7e

Hydrologic Soil Group: C

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): Toeslope, footslope, backslope, shoulder, summit

Landform position (three-dimensional): Crest

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 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

Available water capacity: Very low (about 1.3 inches)

Interpretive groups

Farmland classification: Not prime farmland

Land capability (nonirrigated): 7e

Hydrologic Soil Group: D

Ecological site: Loamy Slopes (R048AY303CO)

Typical profile

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, shoulder, summit, footslope

Landform position (three-dimensional): Mountainflank, side slope

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 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
Available water capacity: Moderate (about 7.5 inches)

Interpretive groups

Farmland classification: Not prime farmland
Land capability (nonirrigated): 7e
Hydrologic Soil Group: B
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

Data Source Information

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

Survey Area Data: Version 6, Dec 23, 2013

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