

Adel	—	400	300	200	Mountain snowberry Grouse whortleberry Elk sedge Silvery lupine Heartleaf amica
53—Pagoda-Hesperus complex, 12 to 40 percent slopes					
Pagoda	Brushy Loam	3,000	2,000	1,500	Gambel oak Mountain brome Saskatoon serviceberr Columbia needlegrass Letterman's needlegra Elk sedge Slender wheatgrass Mountain snowberry Nodding brome
Hesperus	Brushy Loam	3,000	2,000	1,500	Gambel oak Elk sedge Nodding brome Mountain snowberry Western wheatgrass Needleandthread Saskatoon serviceberr
54—Panitchen loam, 1 to 6 percent slopes					
Panitchen	Foothill Swale	3,000	2,000	1,000	Great basin wildrye Streambank wheatgra: Basin big sagebrush Western wheatgrass
55—Parachute-Irigul complex, 5 to 30 percent slopes					
Parachute	Mountain Loam	1,000	1,500	1,200	Slender wheatgrass Letterman's needlegra Arizona fescue Mountain big sagebrus Columbia needlegrass Saskatoon serviceberr Sandberg bluegrass Mountain snowberry Yellow rabbitbrush
Irigul	Loamy Slopes	1,200	900	500	Bluebunch wheatgrass Western wheatgrass Mountain big sagebrus Saskatoon serviceberr Prairie junegrass
56—Parachute-Irigul-Rhone association, 25 to 50 percent slopes					
Parachute	Brushy Loam	3,000	2,000	1,500	Saskatoon serviceberr Elk sedge Mountain brome Western wheatgrass Mountain snowberry Mountain big sagebrus Columbia needlegrass Letterman's needlegra
Irigul	Loamy Slopes	1,200	900	500	Western wheatgrass Bluebunch wheatgrass Mountain big sagebrus Saskatoon serviceberr Bottlebrush squirmeltail

					Prairie junegrass
Rhone	Brushy Loam	3,000	2,000	1,500	Saskatoon serviceberr
					Nodding brome
					Slender wheatgrass
					Mountain brome
					Elk sedge
					Letterman's needlegra
					Rose
					Mountain snowberry
57—Parachute-Rhone loams, 5 to 30 percent slopes					
Parachute	Mountain Loam	1,800	1,500	1,200	Letterman's needlegra
					Columbia needlegras
					Mountain big sagebrus
					Elk sedge
					Slender wheatgrass
					Arizona fescue
					Saskatoon serviceberr
					Mountain snowberry
					Sandberg bluegrass
Rhone	Mountain Loam	1,800	1,500	1,200	Arizona fescue
					Slender wheatgrass
					Mountain big sagebrus
					Letterman's needlegra
					Muttongrass
					Mountain snowberry
					Miscellaneous shrubs
					Saskatoon serviceberr
					Elk sedge
58—Peninsula loam, 3 to 9 percent slopes					
Peninsula	Deep Loam	1,800	1,500	900	Needleandthread
					Western wheatgrass
					Miscellaneous perenni
					forbs
					Mountain big sagebrus
					Saskatoon serviceberr
					Prairie junegrass
					Mountain snowberry
					Muttongrass
59—Persayo silty clay loam, 3 to 25 percent slopes					
Persayo	Silty Saltdesert	650	500	400	Galleta
					Shadscale saltbush
					Fourwing saltbush
					Indian ricegrass
					Spiny phlox
					Saline wildrye
					Western wheatgrass
					Yellow rabbitbrush
					Bottlebrush squirrelta
					Bud sagebrush
					Blue grama
60—Redcreek-Rentsac complex, 5 to 40 percent slopes					
Redcreek	-	650	500	350	Muttongrass
					Bluebunch wheatgrass
					Gambel oak
					Elk sedge
					Western wheatgrass
					Prairie junegrass

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

55—Parachute-Irigul complex, 5 to 30 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 90 days

Map Unit Composition

Parachute and similar soils: 60 percent
Irigul and similar soils: 30 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: Residuum weathered from shale and siltstone and/
or residuum weathered from sandstone and shale

Properties and qualities

Slope: 5 to 30 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): 6e
Hydrologic Soil Group: C
Ecological site: Mountain Loam (R048AY228CO)

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: 5 to 30 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

Data Source Information

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

Survey Area Data: Version 6, Dec 23, 2013

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