

Moffat County Area, Colorado

37—Cochetopa loam, 12 to 25 percent slopes

Map Unit Setting

National map unit symbol: jpd3
Elevation: 7,200 to 8,300 feet
Mean annual precipitation: 18 to 20 inches
Mean annual air temperature: 37 to 40 degrees F
Frost-free period: 50 to 75 days
Farmland classification: Not prime farmland

Map Unit Composition

Cochetopa and similar soils: 85 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Cochetopa

Setting

Landform: Mountainsides
Landform position (three-dimensional): Mountainflank
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Residuum derived from sandstone and shale

Typical profile

H1 - 0 to 11 inches: loam
H2 - 11 to 19 inches: clay loam
H3 - 19 to 48 inches: clay loam
H4 - 48 to 60 inches: clay loam

Properties and qualities

Slope: 12 to 25 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Runoff class: High
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 storage in profile: High (about 11.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 6e
Hydrologic Soil Group: C

Ecological site: Mountain loam (R048AY228CO)

Data Source Information

Soil Survey Area: Moffat County Area, Colorado
Survey Area Data: Version 8, Sep 22, 2014

Moffat County Area, Colorado

99—Hesperus fine sandy loam, dry, 2 to 15 percent slopes

Map Unit Setting

National map unit symbol: jpg9

Elevation: 6,500 to 7,000 feet

Mean annual precipitation: 16 to 18 inches

Mean annual air temperature: 40 to 43 degrees F

Frost-free period: 65 to 85 days

Farmland classification: Farmland of statewide importance

Map Unit Composition

Hesperus, dry, and similar soils: 85 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Hesperus, Dry

Setting

Landform: Hills, plateaus

Landform position (two-dimensional): Footslope

Landform position (three-dimensional): Head slope, nose slope, side slope, base slope

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Loess and in alluvium derived from sandstone and shale

Typical profile

H1 - 0 to 5 inches: fine sandy loam

H2 - 5 to 20 inches: loam

H3 - 20 to 52 inches: clay loam

H4 - 52 to 60 inches: clay loam

Properties and qualities

Slope: 2 to 15 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Well drained

Runoff class: Medium

Capacity of the most limiting layer to transmit water (Ksat):

Moderately high (0.20 to 0.60 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum in profile: 10 percent

Available water storage in profile: High (about 11.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 4e

Hydrologic Soil Group: C

Ecological site: Mountain loam (R034XY228CO)

Data Source Information

Soil Survey Area: Moffat County Area, Colorado
Survey Area Data: Version 8, Sep 22, 2014

37—Cochetopa loam, 12 to 25 percent slopes						
Cochetopa	Mountain Loam	1,800	1,500	1,200	Slender wheatgrass	15
					Mountain big sagebrush	10
					Letterman's needlegrass	10
					Miscellaneous perennial grasses	5
					Miscellaneous shrubs	5
					Nodding brome	5
					Miscellaneous perennial forbs	5
					Mountain brome	5
					Elk sedge	5
					Mountain snowberry	5

99—Hesperus fine sandy loam, dry, 2 to 15 percent slopes						
Hesperus, dry	Mountain Loam	1,800	1,500	1,200	Letterman's needlegrass	15
					Mountain big sagebrush	15
					Western wheatgrass	10
					Slender wheatgrass	10
					Miscellaneous perennial forbs	5
					Nodding brome	5
					Mountain brome	5
					Elk sedge	5
					Miscellaneous perennial grasses	5
					Mountain snowberry	5