

Jackson County Area, Colorado

CyF—Cryorthents, steep

Map Unit Setting

Elevation: 7,980 to 9,200 feet

Mean annual precipitation: 15 to 20 inches

Mean annual air temperature: 30 to 37 degrees F

Frost-free period: 25 to 40 days

Map Unit Composition

Cryorthents and similar soils: 95 percent

Description of Cryorthents

Setting

Landform: Ridges, terraces

Landform position (three-dimensional): Upper third of mountainflank, crest

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Cobbly sandstone and shale

Typical profile

H1 - 0 to 4 inches: neutral, cobbly loam

H2 - 4 to 8 inches: neutral, cobbly loam

H3 - 8 to 15 inches: neutral, very cobbly loam

H4 - 15 to 19 inches: , unweathered bedrock

Properties and qualities

Slope: 15 to 70 percent

Depth to restrictive feature: 5 to 40 inches to lithic bedrock

Natural 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 storage in profile: Very low (about 1.5 inches)

Interpretive groups

Farmland classification: Not prime farmland

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: D

Ecological site: Dry Exposure (R048AY235CO)

Data Source Information

Soil Survey Area: Jackson County Area, Colorado

Survey Area Data: Version 6, Dec 23, 2013

Map Unit Symbol & Soil Name	Ecological Site	Total Dry-Weight Production			Characteristic Vegetation	Rangeland Comp.
		Favorable Yr.	Normal Yr.	Unfavorable Yr.		
CyF—Cryorthents, steep						
Cryorthents	Dry Exposure	—	—	—	—	—

Jackson County Area, Colorado

Fh—Fluetsch-Tiagos association

Map Unit Setting

Elevation: 8,000 to 9,000 feet

Mean annual precipitation: 14 to 16 inches

Mean annual air temperature: 36 to 39 degrees F

Frost-free period: 30 to 40 days

Map Unit Composition

Tiagos and similar soils: 45 percent

Fluetsch and similar soils: 45 percent

Description of Tiagos

Setting

Landform: Outwash terraces, valleys, terraces, alluvial fans

Landform position (three-dimensional): Talf

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Calcareous alluvium derived from sandstone and shale

Typical profile

H1 - 0 to 12 inches: neutral, fine sandy loam

H2 - 12 to 60 inches: neutral, fine sandy loam

Properties and qualities

Slope: 2 to 20 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Well drained

Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Available water storage in profile: Moderate (about 7.8 inches)

Interpretive groups

Farmland classification: Not prime farmland

Land capability classification (irrigated): 6e

Land capability classification (nonirrigated): 6c

Hydrologic Soil Group: A

Ecological site: Dry Mountain Loam (R048AY231CO)

Description of Fluetsch

Setting

Landform: Alluvial fans

Landform position (three-dimensional): Talf

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Calcareous alluvium derived from sandstone and shale

Typical profile

H1 - 0 to 10 inches: neutral, sandy loam
H2 - 10 to 30 inches: moderately alkaline, sandy clay loam
H3 - 30 to 60 inches: moderately alkaline, sandy loam

Properties and qualities

Slope: 2 to 15 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat):
Moderately high to high (0.20 to 2.00 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: Moderate (about 7.4 inches)

Interpretive groups

Farmland classification: Not prime farmland
Land capability classification (irrigated): 6e
Land capability classification (nonirrigated): 6c
Hydrologic Soil Group: B
Ecological site: Valley Bench (R048AY278CO)

Data Source Information

Soil Survey Area: Jackson County Area, Colorado
Survey Area Data: Version 6, Dec 23, 2013

Map Unit Symbol & Soil Name	Ecological Site	Total Dry-Weight Production			Characteristic Vegetation	Rangeland Comp.
		Favorable Yr.	Normal Yr.	Unfavorable Yr.		
Fh—Fluetsch-Tiagos association						
Fluetsch	Valley Bench	1,000	750	500	Big sagebrush	30
					Muttongrass	10
					Pine needlegrass	10
					Streambank wheatgrass	10
					Prairie junegrass	10
					Bottlebrush squirreltail	5
					Needleandthread	5
					Bluebunch wheatgrass	5
					Yellow rabbitbrush	5
					Blue grama	5
					Buckwheat	3