

## 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

### Bs—Bosler sandy loam

#### Map Unit Setting

*Elevation:* 7,800 to 8,300 feet

*Mean annual precipitation:* 9 to 12 inches

*Mean annual air temperature:* 37 to 39 degrees F

*Frost-free period:* 35 to 45 days

#### Map Unit Composition

*Bosler and similar soils:* 90 percent

#### Description of Bosler

##### Setting

*Landform:* Benches, terraces

*Landform position (three-dimensional):* Tread

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Old gravelly alluvium and/or outwash

##### Typical profile

*H1 - 0 to 3 inches:* slightly acid, sandy loam

*H2 - 3 to 15 inches:* neutral, sandy clay loam

*H3 - 15 to 21 inches:* moderately alkaline, sandy loam

*H4 - 21 to 60 inches:* moderately alkaline, very gravelly loamy coarse sand

##### Properties and qualities

*Slope:* 2 to 5 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:* 20 percent

*Available water storage in profile:* Low (about 4.5 inches)

##### Interpretive groups

*Farmland classification:* Farmland of statewide importance

*Land capability classification (irrigated):* 5c

*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 Year Lb/ac	Normal Year Lb/ac	Unfavorable Year Lb/ac		
Bs—Bosler sandy loam						
Bosler	Valley Bench	1,000	750	500	Big sagebrush	30
					Muttongrass	10
					Pine needlegrass	10
					Prairie junegrass	10
					Streambank wheatgrass	10
					Bottlebrush squirreltail	5
					Bluebunch wheatgrass	5
					Yellow rabbitbrush	5
					Needleandthread	5
					Blue grama	5
Buckwheat	3					

## 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