

## Jackson County Area, Colorado

### Fh—Fluetsch-Tiagos association

#### Map Unit Setting

*National map unit symbol:* jpzf

*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

*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Tiagos and similar soils:* 45 percent

*Fluetsch and similar soils:* 45 percent

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

#### 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:* fine sandy loam

*H2 - 12 to 60 inches:* fine sandy loam

##### Properties and qualities

*Slope:* 2 to 20 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Well drained

*Runoff class:* Low

*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

*Land capability classification (irrigated):* 6e

*Land capability classification (nonirrigated):* 6c

*Hydrologic Soil Group:* A

*Ecological site:* Dry Mountain Loam (R048AY231CO)

*Hydric soil rating:* No

## 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:* sandy loam

*H2 - 10 to 30 inches:* sandy clay loam

*H3 - 30 to 60 inches:* sandy 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 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

*Land capability classification (irrigated):* 6e

*Land capability classification (nonirrigated):* 6c

*Hydrologic Soil Group:* B

*Ecological site:* Valley Bench (R048AY278CO)

*Hydric soil rating:* No

## Data Source Information

Soil Survey Area: Jackson County Area, Colorado

Survey Area Data: Version 8, Oct 12, 2017

## Jackson County Area, Colorado

### Te—Tealson-Rock land association

#### Map Unit Setting

*National map unit symbol:* jq0s

*Elevation:* 7,900 to 8,500 feet

*Mean annual precipitation:* 11 to 14 inches

*Mean annual air temperature:* 35 to 37 degrees F

*Frost-free period:* 30 to 35 days

*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Tealson and similar soils:* 55 percent

*Rock land:* 20 percent

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

#### Description of Tealson

##### Setting

*Landform:* Ridges, hills

*Landform position (two-dimensional):* Summit

*Landform position (three-dimensional):* Base slope, side slope, nose slope, head slope

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Weathered granite

##### Typical profile

*H1 - 0 to 10 inches:* sandy loam

*H2 - 10 to 16 inches:* channery sandy loam

*H3 - 16 to 20 inches:* weathered bedrock

##### Properties and qualities

*Slope:* 2 to 30 percent

*Depth to restrictive feature:* 10 to 20 inches to paralithic bedrock

*Natural drainage class:* Well drained

*Runoff class:* High

*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:* 15 percent

*Available water storage in profile:* Very low (about 1.6 inches)

##### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 6c

*Hydrologic Soil Group:* D

*Ecological site:* Valley Bench (R048AY278CO)

*Hydric soil rating:* No

## **Description of Rock Land**

### **Setting**

*Landform:* Hills

*Landform position (two-dimensional):* Summit

*Landform position (three-dimensional):* Base slope, side slope,  
nose slope, head slope

*Down-slope shape:* Linear

*Across-slope shape:* Linear

### **Typical profile**

*H1 - 0 to 60 inches:* unweathered bedrock

### **Properties and qualities**

*Slope:* 2 to 30 percent

*Depth to restrictive feature:* 0 inches to lithic bedrock

*Runoff class:* Very high

*Capacity of the most limiting layer to transmit water (Ksat):* Very  
low (0.00 to 0.00 in/hr)

*Available water storage in profile:* Very low (about 0.0 inches)

### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 8s

*Hydrologic Soil Group:* D

*Hydric soil rating:* No

## **Data Source Information**

Soil Survey Area: Jackson County Area, Colorado

Survey Area Data: Version 8, Oct 12, 2017

## Jackson County Area, Colorado

### CyF—Cryorthents, steep

#### Map Unit Setting

*National map unit symbol:* jpz1

*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

*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Cryorthents and similar soils:* 95 percent

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

#### 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:* cobbly loam

*H2 - 4 to 8 inches:* cobbly loam

*H3 - 8 to 15 inches:* 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

*Runoff class:* Very 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:* Very low (about 1.5 inches)

##### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 7e

*Hydrologic Soil Group:* D

*Ecological site:* Dry Exposure (R048AY235CO)

*Hydric soil rating:* No

## Data Source Information

Soil Survey Area: Jackson County Area, Colorado  
Survey Area Data: Version 8, Oct 12, 2017

|                                |              |       |     |     |                          |  |    |  |  |
|--------------------------------|--------------|-------|-----|-----|--------------------------|--|----|--|--|
| CyF—Cryorthents, steep         |              |       |     |     |                          |  |    |  |  |
| Fh—Fluetsch-Tiagos association |              |       |     |     |                          |  |    |  |  |
| Fluetsch                       | Valley Bench | 1,000 | 750 | 500 | Big sagebrush            |  | 30 |  |  |
|                                |              |       |     |     | Streambank wheatgrass    |  | 10 |  |  |
|                                |              |       |     |     | Prairie junegrass        |  | 10 |  |  |
|                                |              |       |     |     | Muttongrass              |  | 10 |  |  |
|                                |              |       |     |     | Pine needlegrass         |  | 10 |  |  |
|                                |              |       |     |     | Bottlebrush squirreltail |  | 5  |  |  |
|                                |              |       |     |     | Needleandthread          |  | 5  |  |  |
|                                |              |       |     |     | Bluebunch wheatgrass     |  | 5  |  |  |
|                                |              |       |     |     | Blue grama               |  | 5  |  |  |
|                                |              |       |     |     | Yellow rabbitbrush       |  | 5  |  |  |
|                                |              |       |     |     | Buckwheat                |  | 3  |  |  |

|        |                      |       |     |     |                             |    |
|--------|----------------------|-------|-----|-----|-----------------------------|----|
| Tiagos | Dry Mountain<br>Loam | 1,000 | 750 | 500 | Big sagebrush               | 30 |
|        |                      |       |     |     | Yellow rabbitbrush          | 10 |
|        |                      |       |     |     | Streambank<br>wheatgrass    | 10 |
|        |                      |       |     |     | Sheep fescue                | 10 |
|        |                      |       |     |     | Muttongrass                 | 10 |
|        |                      |       |     |     | Pine needlegrass            | 10 |
|        |                      |       |     |     | Prairie junegrass           | 5  |
|        |                      |       |     |     | Bluebunch<br>wheatgrass     | 3  |
|        |                      |       |     |     | Buckwheat                   | 3  |
|        |                      |       |     |     | Spiny phlox                 | 2  |
|        |                      |       |     |     | Bottlebrush<br>squirreltail | 2  |



|                                     |                 |       |     |     |                               |    |
|-------------------------------------|-----------------|-------|-----|-----|-------------------------------|----|
| Te—Tealson-Rock<br>land association |                 |       |     |     |                               |    |
| Tealson                             | Valley<br>Bench | 1,000 | 750 | 500 | Big sagebrush                 | 30 |
|                                     |                 |       |     |     | Prairie junegrass             | 10 |
|                                     |                 |       |     |     | Muttongrass                   | 10 |
|                                     |                 |       |     |     | Streambank<br>wheatgrass      | 10 |
|                                     |                 |       |     |     | Pine needlegrass              | 10 |
|                                     |                 |       |     |     | Bluebunch wheatgrass          | 5  |
|                                     |                 |       |     |     | Bottlebrush<br>squirreltail   | 5  |
|                                     |                 |       |     |     | Needleandthread               | 5  |
|                                     |                 |       |     |     | Blue grama                    | 5  |
|                                     |                 |       |     |     | Yellow rabbitbrush            | 5  |
|                                     |                 |       |     |     | Buckwheat                     | 3  |
|                                     |                 |       |     |     | Miscellaneous annual<br>forbs | 2  |