

## La Plata County Area, Colorado

### 82—Zyme-Rock outcrop complex, 12 to 65 percent slopes

#### Map Unit Setting

*National map unit symbol:* 1yq5

*Elevation:* 6,000 to 7,000 feet

*Mean annual precipitation:* 14 to 18 inches

*Mean annual air temperature:* 47 to 50 degrees F

*Frost-free period:* 110 to 130 days

*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Zyme and similar soils:* 50 percent

*Rock outcrop:* 30 percent

*Minor components:* 20 percent

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

#### Description of Zyme

##### Setting

*Landform:* Ridges, hills

*Landform position (three-dimensional):* Crest, side slope, base slope

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Residuum weathered from shale

##### Typical profile

*H1 - 0 to 4 inches:* clay loam

*H2 - 4 to 10 inches:* clay loam, clay, silty clay loam

*H2 - 4 to 10 inches:* weathered bedrock

*H2 - 4 to 10 inches:*

*H3 - 10 to 14 inches:*

##### Properties and qualities

*Slope:* 12 to 60 percent

*Depth to restrictive feature:* 6 to 20 inches to paralithic 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

*Calcium carbonate, maximum in profile:* 10 percent

*Salinity, maximum in profile:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

*Available water storage in profile:* Low (about 3.7 inches)

### Interpretive groups

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 7e  
*Hydrologic Soil Group:* D  
*Ecological site:* Pinus edulis-Juniperus scopulorum/Quercus gambelii-Artemisia tridentata ssp. vaseyana/Poa fendleriana-Hesperostipa comata (F036XY906CO)  
*Hydric soil rating:* No

### Description of Rock Outcrop

#### Setting

*Landform:* Hills  
*Landform position (three-dimensional):* Crest, base slope, side slope  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear

#### Typical profile

*H1 - 0 to 60 inches:* unweathered bedrock

#### Properties and qualities

*Slope:* 30 to 65 percent  
*Depth to restrictive feature:* 0 inches to paralithic bedrock  
*Natural drainage class:* Excessively drained  
*Runoff class:* Very high  
*Capacity of the most limiting layer to transmit water (Ksat):* Very low to moderately low (0.00 to 0.06 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  
*Hydric soil rating:* No

### Minor Components

#### Bodot

*Percent of map unit:* 15 percent  
*Hydric soil rating:* No

#### Arboles

*Percent of map unit:* 5 percent  
*Hydric soil rating:* No

## Data Source Information

Soil Survey Area: La Plata County Area, Colorado  
Survey Area Data: Version 15, Oct 10, 2017