

## 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:* Hills, ridges  
*Landform position (three-dimensional):* Crest, base slope, side 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  
*H3 - 10 to 14 inches:* weathered bedrock

##### Properties and qualities

*Slope:* 12 to 60 percent  
*Depth to restrictive feature:* 6 to 20 inches to paralithic bedrock  
*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 content:* 10 percent  
*Maximum salinity:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)  
*Available water supply, 0 to 60 inches:* Very low (about 1.7 inches)

##### Interpretive groups

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 7e

*Hydrologic Soil Group:* D  
*Ecological site:* R036XY446CO - Southwestern Mountain (pinyon-Utah juniper)  
*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  
*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 supply, 0 to 60 inches:* 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 22, Aug 29, 2024