

## La Plata County Area, Colorado

### 81—Zyme clay loam, 3 to 25 percent slopes

#### Map Unit Setting

*National map unit symbol:* 1yq4

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

*Mean annual precipitation:* 14 to 18 inches

*Mean annual air temperature:* 45 to 50 degrees F

*Frost-free period:* 110 to 130 days

*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Zyme and similar soils:* 70 percent

*Minor components:* 30 percent

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

#### Description of Zyme

##### Setting

*Landform:* Ridges, hills

*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 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:* 3 to 25 percent

*Depth to restrictive feature:* 6 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 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):* 6e  
*Hydrologic Soil Group:* D  
*Ecological site:* Pinus edulis-Juniperus osteosperma/Artemisia  
tridentata ssp. vaseyana-Cercocarpus montanus/Poa  
fendleriana-Pleuraphis jamesii (F036XY907CO)  
*Hydric soil rating:* No

#### **Minor Components**

##### **Bodot**

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

##### **Arboles**

*Percent of map unit:* 10 percent  
*Hydric soil rating:* No

##### **Other soils**

*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 14, Sep 23, 2016