

## 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

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

#### Description of Zyme

##### Setting

*Landform:* Hills, ridges

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

*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 (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)

## Data Source Information

Soil Survey Area: La Plata County Area, Colorado  
Survey Area Data: Version 12, Sep 22, 2014