

# Map Unit Description

La Plata County Area, Colorado

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

### Setting

Elevation: 6000 to 7000 feet  
Mean annual precipitation: 14 to 18 inches  
Mean annual air temperature: 45 to 50 degrees F  
Frost-free period: 110 to 130 days

### Composition

Zyme and similar soils: 70 percent

### Description of Zyme

#### Setting

Landform: Hills, ridges  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Residuum weathered from shale

#### Properties and Qualities

Slope: 3 to 25 percent  
Depth to restrictive feature: 6 to 20 inches to Paralithic bedrock  
Drainage class: Well drained  
Capacity of the most limiting layer to transmit water (Ksat): Moderately low or moderately high (0.06 to 0.20 in/hr)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 10 percent  
Gypsum maximum: 0 percent  
Available water capacity: Very low (about 1.7 inches)

#### Interpretive Groups

Land capability (non irrigated): 6e  
Ecological site: Pinus edulis-Juniperus osteosp (F036XY907CO)

#### Typical Profile

0 to 4 inches: clay loam  
4 to 10 inches: clay loam, clay, silty clay loam  
10 to 14 inches: weathered bedrock