

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