

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: Ridges, hills

Landform position (three-dimensional): Crest, side slope, base 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: 12 to 60 percent

Depth to restrictive feature: 6 to 20 inches to paralithic bedrock

Natural 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 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): 7e

Hydrologic Soil Group: D

Ecological site: Pinus edulis-Juniperus scopulorum/Quercus gambelii-Artemisia tridentata ssp. vaseyana/Poa fendleriana-Hesperostipa comata (F036XY906CO)

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

Natural 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 storage in profile: 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 15, Oct 10, 2017