

La Plata County Area, Colorado

76—Witt loam, 3 to 8 percent slopes

Map Unit Setting

National map unit symbol: 1typ

Elevation: 6,200 to 7,500 feet

Mean annual precipitation: 14 to 17 inches

Mean annual air temperature: 45 to 50 degrees F

Frost-free period: 110 to 130 days

Farmland classification: Prime farmland if irrigated

Map Unit Composition

Witt and similar soils: 90 percent

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

Description of Witt

Setting

Landform: Mesas

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Calcareous silty loess

Typical profile

H1 - 0 to 10 inches: loam

H2 - 10 to 34 inches: clay loam, silty clay loam, loam

H2 - 10 to 34 inches: loam, silt loam

H2 - 10 to 34 inches:

H3 - 34 to 60 inches:

H3 - 34 to 60 inches:

Properties and qualities

Slope: 3 to 8 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Well drained

Runoff class: Medium

Capacity of the most limiting layer to transmit water (Ksat):

Moderately high (0.20 to 0.60 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum in profile: 25 percent

Salinity, maximum in profile: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Available water storage in profile: Very high (about 25.6 inches)

Interpretive groups

Land capability classification (irrigated): 4e

Land capability classification (nonirrigated): 4e

Hydrologic Soil Group: C

Other vegetative classification: Loamy Foothill (048AY284CO)

Data Source Information

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