

Washington County, Colorado

12—Canyon gravelly loam

Map Unit Setting

National map unit symbol: 35tl
Elevation: 3,500 to 4,200 feet
Mean annual precipitation: 16 to 18 inches
Mean annual air temperature: 50 to 52 degrees F
Frost-free period: 130 to 150 days
Farmland classification: Not prime farmland

Map Unit Composition

Canyon and similar soils: 75 percent
Minor components: 25 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Canyon

Setting

Landform: Knolls, hills, ridges
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Calcareous loamy sandstone

Typical profile

H1 - 0 to 4 inches: gravelly loam
H2 - 4 to 14 inches: very fine sandy loam
H3 - 14 to 18 inches: weathered bedrock

Properties and qualities

Slope: 2 to 6 percent
Depth to restrictive feature: 6 to 20 inches to paralithic bedrock
Natural drainage class: Well drained
Runoff class: Low
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: 10 percent
Salinity, maximum in profile: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Available water storage in profile: Very low (about 2.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 6s
Hydrologic Soil Group: D
Ecological site: Limestone Breaks (R067BY060CO)

Minor Components

Iliff

Percent of map unit: 15 percent

Escabosa

Percent of map unit: 10 percent

Data Source Information

Soil Survey Area: Washington County, Colorado

Survey Area Data: Version 16, Sep 26, 2014