

Moffat County Area, Colorado

123—Lilsnake-Sandwash complex, 3 to 20 percent slopes

Map Unit Setting

National map unit symbol: jp7z

Elevation: 6,000 to 7,000 feet

Mean annual precipitation: 9 to 11 inches

Mean annual air temperature: 42 to 45 degrees F

Frost-free period: 75 to 95 days

Farmland classification: Not prime farmland

Map Unit Composition

Lilsnake and similar soils: 45 percent

Sandwash and similar soils: 30 percent

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

Description of Lilsnake

Setting

Landform: Hillslopes, plateaus

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Residuum derived from sandstone

Typical profile

H1 - 0 to 4 inches: loam

H2 - 4 to 15 inches: loam

H3 - 15 to 19 inches: gravelly clay loam

H4 - 19 to 23 inches: unweathered bedrock

Properties and qualities

Slope: 3 to 20 percent

Depth to restrictive feature: 10 to 20 inches to lithic 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: 50 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 2.9 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 6e

Hydrologic Soil Group: D

Ecological site: Loamy 7-10" P.Z. (R034XY424CO)

Description of Sandwash

Setting

Landform: Plateaus

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Residuum derived from sandstone

Typical profile

H1 - 0 to 4 inches: loam

H2 - 4 to 16 inches: loam

H3 - 16 to 35 inches: very channery loam

H4 - 35 to 39 inches: unweathered bedrock

Properties and qualities

Slope: 3 to 10 percent

Depth to restrictive feature: 20 to 40 inches to lithic bedrock

Natural drainage class: Well drained

Runoff class: Medium

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

Moderately low to moderately high (0.06 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: 70 percent

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

Sodium adsorption ratio, maximum in profile: 2.0

Available water storage in profile: Low (about 3.6 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 6e

Hydrologic Soil Group: C

Ecological site: Loamy 7-10" P.Z. (R034XY424CO)

Data Source Information

Soil Survey Area: Moffat County Area, Colorado

Survey Area Data: Version 8, Sep 22, 2014