

## 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