

## Moffat County Area, Colorado

### 99—Hesperus fine sandy loam, dry, 2 to 15 percent slopes

#### Map Unit Setting

*National map unit symbol:* jpg9

*Elevation:* 6,500 to 7,000 feet

*Mean annual precipitation:* 16 to 18 inches

*Mean annual air temperature:* 40 to 43 degrees F

*Frost-free period:* 65 to 85 days

*Farmland classification:* Farmland of statewide importance

#### Map Unit Composition

*Hesperus, dry, and similar soils:* 85 percent

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

#### Description of Hesperus, Dry

##### Setting

*Landform:* Hills, plateaus

*Landform position (two-dimensional):* Footslope

*Landform position (three-dimensional):* Head slope, nose slope, side slope, base slope

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Loess and in alluvium derived from sandstone and shale

##### Typical profile

*H1 - 0 to 5 inches:* fine sandy loam

*H2 - 5 to 20 inches:* loam

*H3 - 20 to 52 inches:* clay loam

*H4 - 52 to 60 inches:* clay loam

##### Properties and qualities

*Slope:* 2 to 15 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:* 10 percent

*Available water storage in profile:* High (about 11.1 inches)

##### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 4e

*Hydrologic Soil Group:* C

*Ecological site:* Mountain Loam (R034XY228CO)

## Data Source Information

Soil Survey Area: Moffat County Area, Colorado  
Survey Area Data: Version 8, Sep 22, 2014