

Douglas-Plateau Area, Colorado, Parts of Garfield and Mesa Counties

39—Fughes-Hesperus complex, 3 to 12 percent slopes

Map Unit Setting

National map unit symbol: jnvl

Elevation: 7,400 to 7,800 feet

Mean annual precipitation: 20 to 22 inches

Frost-free period: 75 to 85 days

Farmland classification: Not prime farmland

Map Unit Composition

Fughes and similar soils: 60 percent

Hesperus and similar soils: 25 percent

Minor components: 15 percent

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

Description of Fughes

Setting

Landform: Terraces

Landform position (three-dimensional): Tread

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Alluvium derived from shale and/or localized mudflow deposits derived from shale

Typical profile

A - 0 to 7 inches: clay loam

Bt1 - 7 to 18 inches: clay loam

Bt2 - 18 to 50 inches: silty clay loam, clay loam

Bt2 - 18 to 50 inches: silty clay loam

C - 50 to 60 inches:

Properties and qualities

Slope: 3 to 12 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Well drained

Runoff class: Very 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

Available water storage in profile: Very high (about 17.4 inches)

Interpretive groups

Land capability classification (irrigated): 4e

Land capability classification (nonirrigated): 4c

Hydrologic Soil Group: C

Ecological site: Brushy Loam (R048AY238CO)

Hydric soil rating: No

Description of Hesperus

Setting

Landform: Alluvial fans

Down-slope shape: Concave

Across-slope shape: Linear

Parent material: Alluvium derived from shale and/or colluvium derived from shale

Typical profile

H1 - 0 to 7 inches: loam

H2 - 7 to 60 inches: clay loam, loam

H2 - 7 to 60 inches:

Properties and qualities

Slope: 3 to 12 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Well drained

Runoff class: High

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

Available water storage in profile: Very high (about 21.2 inches)

Interpretive groups

Land capability classification (irrigated): 4e

Land capability classification (nonirrigated): 4c

Hydrologic Soil Group: C

Ecological site: Brushy Loam (R048AY238CO)

Hydric soil rating: No

Minor Components

Other soils

Percent of map unit: 15 percent

Hydric soil rating: No

Data Source Information

Soil Survey Area: Douglas-Plateau Area, Colorado, Parts of Garfield and Mesa Counties

Survey Area Data: Version 9, Sep 23, 2016