

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

28—Cumulic Haploborolls, 1 to 3 percent slopes

Map Unit Setting

National map unit symbol: jnv6
Elevation: 5,800 to 7,400 feet
Mean annual precipitation: 12 to 18 inches
Mean annual air temperature: 40 to 46 degrees F
Frost-free period: 80 to 110 days
Farmland classification: Prime farmland if irrigated and either protected from flooding or not frequently flooded during the growing season

Map Unit Composition

Cumulic haploborolls and similar soils: 90 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Cumulic Haploborolls

Setting

Landform: Flood plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Wasatch shale formation alluvium and/or green river shale formation alluvium

Typical profile

H1 - 0 to 8 inches: gravelly sandy clay loam
H2 - 8 to 20 inches: very channery sandy clay loam
H3 - 20 to 28 inches: clay loam
H4 - 28 to 60 inches: stratified very gravelly sand to extremely gravelly loamy sand

Properties and qualities

Slope: 1 to 3 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat):
Moderately high to high (0.20 to 1.98 in/hr)
Depth to water table: About 36 to 72 inches
Frequency of flooding: Occasional
Frequency of ponding: None
Calcium carbonate, maximum in profile: 10 percent
Salinity, maximum in profile: Nonsaline to slightly saline (0.0 to 4.0 mmhos/cm)
Available water storage in profile: Low (about 4.6 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 4e

Hydrologic Soil Group: B

Ecological site: Foothill Swale (R048AY285CO)

Hydric soil rating: No

Minor Components

Other soils

Percent of map unit: 10 percent

Landform: Flood plains

Down-slope shape: Linear

Across-slope shape: Linear

Hydric soil rating: No

Data Source Information

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

Survey Area Data: Version 10, Oct 12, 2017