

Huerfano County Area, Colorado

8—Brownsto very gravelly loam, 3 to 15 percent slopes

Map Unit Setting

National map unit symbol: jnns
Elevation: 6,700 to 8,000 feet
Mean annual precipitation: 12 to 16 inches
Mean annual air temperature: 42 to 44 degrees F
Frost-free period: 90 to 120 days
Farmland classification: Not prime farmland

Map Unit Composition

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

Description of Brownsto

Setting

Landform: Fan remnants
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Fine-loamy slope alluvium and/or colluvium

Typical profile

A - 0 to 4 inches: very gravelly loam
Bw - 4 to 17 inches: very gravelly sandy clay loam
Bk1 - 17 to 32 inches: very gravelly sandy clay loam
Bk2 - 32 to 60 inches: very gravelly sandy loam

Properties and qualities

Slope: 3 to 15 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 (0.60 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 30 percent
Available water storage in profile: Low (about 3.9 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 6s
Hydrologic Soil Group: B

Minor Components

Patent

Percent of map unit: 10 percent

Data Source Information

Soil Survey Area: Huerfano County Area, Colorado

Survey Area Data: Version 10, Sep 24, 2014

Huerfano County Area, Colorado

9—Brownsto very channery loam, 15 to 75 percent slopes

Map Unit Setting

National map unit symbol: jnp4
Elevation: 7,000 to 8,190 feet
Mean annual precipitation: 12 to 16 inches
Mean annual air temperature: 42 to 44 degrees F
Frost-free period: 90 to 120 days
Farmland classification: Not prime farmland

Map Unit Composition

Brownsto and similar soils: 95 percent
Minor components: 5 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Brownsto

Setting

Landform: Mountainsides, fan remnants
Landform position (two-dimensional): Footslope
Landform position (three-dimensional): Mountainflank, riser
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Fine-loamy slope alluvium and/or colluvium

Typical profile

A - 0 to 4 inches: very channery loam
Bw - 4 to 17 inches: very gravelly sandy clay loam
Bk1 - 17 to 32 inches: very gravelly sandy clay loam
Bk2 - 32 to 60 inches: very gravelly sandy loam

Properties and qualities

Slope: 15 to 75 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 to high (0.60 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 30 percent
Available water storage in profile: Low (about 3.9 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: B

Minor Components

Goemmer

Percent of map unit: 2 percent

Castner

Percent of map unit: 2 percent

Rock outcrop

Percent of map unit: 1 percent

Data Source Information

Soil Survey Area: Huerfano County Area, Colorado

Survey Area Data: Version 10, Sep 24, 2014

Huerfano County Area, Colorado

71—Ring cobbly loam, 20 to 45 percent slopes

Map Unit Setting

National map unit symbol: jnnh
Elevation: 7,200 to 8,500 feet
Mean annual precipitation: 18 to 22 inches
Mean annual air temperature: 38 to 44 degrees F
Frost-free period: 70 to 100 days
Farmland classification: Not prime farmland

Map Unit Composition

Ring and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Ring

Setting

Landform: Terraces
Landform position (three-dimensional): Riser
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Cobbly clayey slope alluvium and/or alluvium

Typical profile

Oi - 0 to 1 inches: slightly decomposed plant material
A - 1 to 6 inches: cobbly loam
Bt1 - 6 to 16 inches: cobbly clay loam
Bt2 - 16 to 41 inches: very cobbly clay
C - 41 to 60 inches: very cobbly sandy clay loam

Properties and qualities

Slope: 20 to 45 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
Salinity, maximum in profile: Nonsaline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum in profile: 4.0
Available water storage in profile: Low (about 5.9 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: C

Other vegetative classification: Ponderosa pine/Gambel oak (PIPO/
QUGA) (C1121)

Minor Components

Wahotoya

Percent of map unit: 10 percent

Landform: Terraces

Landform position (three-dimensional): Riser

Down-slope shape: Convex

Across-slope shape: Linear

Maitland

Percent of map unit: 5 percent

Landform: Terraces

Landform position (three-dimensional): Riser

Down-slope shape: Linear

Across-slope shape: Linear

Data Source Information

Soil Survey Area: Huerfano County Area, Colorado

Survey Area Data: Version 10, Sep 24, 2014