

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

52—Northwater-Adel complex, 5 to 50 percent slopes

Map Unit Setting

National map unit symbol: 2w4zk
Elevation: 7,710 to 8,600 feet
Mean annual precipitation: 18 to 25 inches
Mean annual air temperature: 36 to 40 degrees F
Frost-free period: 45 to 75 days
Farmland classification: Not prime farmland

Map Unit Composition

Northwater and similar soils: 50 percent
Adel and similar soils: 40 percent
Minor components: 10 percent
*Estimates are based on observations, descriptions, and transects of
the mapunit.*

Description of Northwater

Setting

Landform: Mountain slopes
Landform position (three-dimensional): Mountainflank
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Colluvium over residuum weathered from
sedimentary rock

Typical profile

A - 0 to 28 inches: loam
Bt - 28 to 48 inches: very channery loam
R - 48 to 60 inches: bedrock

Properties and qualities

Slope: 5 to 50 percent
Depth to restrictive feature: 39 to 59 inches to lithic bedrock
Natural drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Low to
moderately high (0.01 to 0.57 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 1.0 mmhos/cm)
Available water storage in profile: Moderate (about 7.9 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: B
Ecological site: Aspen Woodland (F048AY449CO)

Other vegetative classification: Quaking aspen/mountain
snowberry (POTR5/SYOR2) (D0511)

Hydric soil rating: No

Description of Adel

Setting

Landform: Mountain slopes

Landform position (three-dimensional): Mountainbase

Down-slope shape: Concave

Across-slope shape: Linear

Parent material: Alluvium and/or colluvium derived from
sedimentary rock

Typical profile

A1 - 0 to 20 inches: clay loam

A2 - 20 to 31 inches: loam

C - 31 to 60 inches: loam

Properties and qualities

Slope: 5 to 30 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Well drained

Capacity of the most limiting layer to transmit water (Ksat):

Moderately high (0.21 to 0.71 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum in profile: 5 percent

Salinity, maximum in profile: Nonsaline (0.0 to 1.0 mmhos/cm)

Available water storage in profile: High (about 10.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 6e

Hydrologic Soil Group: C

Other vegetative classification: Engelmann spruce/grouse
whortleberry (PIEN/VASC) (C0414)

Hydric soil rating: No

Minor Components

Rhone

Percent of map unit: 10 percent

Landform: Mountain slopes

Landform position (three-dimensional): Mountainflank

Down-slope shape: Linear

Across-slope shape: Linear

Ecological site: Brushy Loam (R048AY238CO)

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