

## 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