

Map Unit Description

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

52 Northwater-Adel complex, 5 to 50 percent slopes

Setting

Elevation: 7700 to 8400 feet
Mean annual precipitation: 18 to 25 inches
Mean annual air temperature: 36 to 40 degrees F
Frost-free period: 45 to 75 days

Composition

Northwater and similar soils: 50 percent
Adel and similar soils: 40 percent

Description of Northwater

Setting

Landform: Mountainsides
Landform position (two-dimensional): Backslope, footslope, toeslope
Down-slope shape: Concave
Across-slope shape: Linear
Parent material: Colluvium derived from sedimentary rock and/or residuum weathered from sedimentary rock

Properties and Qualities

Slope: 5 to 50 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.60 to 2.00 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 0 percent
Gypsum maximum: 0 percent
Available water capacity: Moderate (about 7.0 inches)

Interpretive Groups

Land capability (non irrigated): 7e

Typical Profile

0 to 28 inches: loam
28 to 48 inches: very channery loam
48 to 60 inches: extremely channery loam

Description of Adel

Setting

Landform: Swales, hills
Landform position (two-dimensional): Footslope
Down-slope shape: Concave
Across-slope shape: Concave, linear
Parent material: Colluvium derived from sedimentary rock

Properties and Qualities

Slope: 5 to 50 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.57 to 1.98 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 5 percent
Gypsum maximum: 0 percent
Available water capacity: High (about 10.8 inches)

Interpretive Groups

Land capability (non irrigated): 7e

Typical Profile

0 to 20 inches: clay loam
20 to 31 inches: clay loam, loam
31 to 60 inches: clay loam, loam