

Map Unit Description

Moffat County Area, Colorado

81 Forelle-Obadia complex, 1 to 8 percent slopes

Setting

Elevation: 6400 to 6800 feet
Mean annual precipitation: 11 to 15 inches
Mean annual air temperature: 42 to 45 degrees F
Frost-free period: 75 to 95 days

Composition

Forelle and similar soils: 40 percent
Obadia and similar soils: 35 percent

Description of Forelle

Setting

Landform: Hills
Landform position (two-dimensional): Footslope, toeslope
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium derived from shale and sandstone

Properties and Qualities

Slope: 1 to 8 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: 15 percent
Gypsum maximum: 0 percent
Sodium adsorption ratio maximum: 5.0
Available water capacity: High (about 10.7 inches)

Interpretive Groups

Land capability (non irrigated): 4c
Ecological site: Rolling Loam (R034XY298CO)

Typical Profile

0 to 6 inches: loam
6 to 30 inches: clay loam
30 to 60 inches: sandy clay loam

Description of Obadia

Setting

Landform: Hills
Landform position (two-dimensional): Toeslope
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium derived from sandstone and shale

Properties and Qualities

Slope: 1 to 8 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Very low or moderately low (0.00 to 0.06 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 10 percent
Gypsum maximum: 3 percent
Sodium adsorption ratio maximum: 20.0
Available water capacity: Moderate (about 8.4 inches)

Interpretive Groups

Land capability (non irrigated): 4s
Ecological site: Claypan (R034XY296CO)

Typical Profile

0 to 1 inches: sandy loam

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1 to 13 inches: clay
13 to 42 inches: clay loam
42 to 60 inches: sandy clay loam