

Map Unit Description

Moffat County Area, Colorado

82 Forelle-Pinelli-Maysprings complex, 5 to 20 percent slopes

Setting

Elevation: 6200 to 7000 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: 30 percent
Pinelli and similar soils: 30 percent
Maysprings and similar soils: 15 percent

Description of Forelle

Setting

Landform: Hills
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Loess

Properties and Qualities

Slope: 5 to 20 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 10.4 inches)

Interpretive Groups

Land capability (non irrigated): 6e
Ecological site: Rolling Loam (R034XY298CO)

Typical Profile

0 to 5 inches: loam
5 to 19 inches: clay loam
19 to 60 inches: loam

Description of Pinelli

Setting

Landform: Hills
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Loess and residuum derived from shale

Properties and Qualities

Slope: 5 to 20 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low or moderately high (0.06 to 0.20 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Gypsum maximum: 0 percent
Available water capacity: High (about 9.4 inches)

Interpretive Groups

Land capability (non irrigated): 6e
Ecological site: Clayey Foothills (R034XY289CO)

Typical Profile

0 to 3 inches: loam
3 to 19 inches: clay
19 to 60 inches: clay loam

Map Unit Description

Moffat County Area, Colorado

Description of Maysprings

Setting

Landform: Hills
Landform position (two-dimensional): Backslope, summit
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Residuum derived from sandstone

Properties and Qualities

Slope: 5 to 20 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: 2 percent
Gypsum maximum: 0 percent
Available water capacity: Low (about 4.4 inches)

Interpretive Groups

Land capability (non irrigated): 6e
Ecological site: Sandy Land (R034XY330CO)

Typical Profile

0 to 2 inches: loamy coarse sand
2 to 14 inches: sandy clay loam
14 to 20 inches: coarse sandy loam
20 to 60 inches: coarse sand