

Map Unit Description

Moffat County Area, Colorado

201 Tresano-Hiatha-Kandaly association, 2 to 20 percent slopes

Setting

Elevation: 6000 to 6800 feet
Mean annual precipitation: 9 to 11 inches
Mean annual air temperature: 42 to 45 degrees F
Frost-free period: 75 to 95 days

Composition

Tresano and similar soils: 35 percent
Hiatha and similar soils: 30 percent
Kandaly and similar soils: 15 percent

Description of Tresano

Setting

Landform: Alluvial fans, hills
Landform position (two-dimensional): Foothlope, toeslope
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium derived from sandstone and shale

Properties and Qualities

Slope: 2 to 12 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: 10 percent
Gypsum maximum: 0 percent
Available water capacity: High (about 9.2 inches)

Interpretive Groups

Land capability (non irrigated): 6c
Ecological site: Clayey 9-11" P.Z. (R034XY419CO)

Typical Profile

0 to 2 inches: loam
2 to 28 inches: clay loam
28 to 60 inches: loam

Description of Hiatha

Setting

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

Properties and Qualities

Slope: 5 to 20 percent
Depth to restrictive feature: 10 to 20 inches to Paralithic bedrock
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: 5 percent
Gypsum maximum: 2 percent
Sodium adsorption ratio maximum: 7.0
Available water capacity: Very low (about 2.2 inches)

Interpretive Groups

Land capability (non irrigated): 7s
Ecological site: Alkali Upland (R034XY418CO)

Typical Profile

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0 to 2 inches: silty clay
2 to 14 inches: silty clay
14 to 18 inches: weathered bedrock

Description of Kandaly

Setting

Landform: Hills
Landform position (two-dimensional): Summit
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Eolian deposits derived from sandstone

Properties and Qualities

Slope: 2 to 12 percent
Drainage class: Excessively drained
Capacity of the most limiting layer to transmit water (Ksat): High or very high (6.00 to 20.00 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 5 percent
Gypsum maximum: 0 percent
Sodium adsorption ratio maximum: 10.0
Available water capacity: Low (about 3.6 inches)

Interpretive Groups

Land capability (non irrigated): 6e
Ecological site: Dry Sandy (R034XY434CO)

Typical Profile

0 to 3 inches: loamy sand
3 to 60 inches: loamy sand