

Mesa County Area, Colorado

Utaline, sodic-Uffens complex, 3 to 12 percent slopes, very stony

Setting

Elevation: 5200 to 6000 feet

Mean annual precipitation: 7 to 10 inches

Mean annual air temperature: 47 to 50 degrees F

Frost-free period: 120 to 150 days

Composition

Utaline, sodic, and similar soils: 45 percent

Uffens and similar soils: 40 percent

47

Description of Utaline, sodic

Setting

Landform: Mesas

Landform position (two-dimensional): Summit

Down-slope shape: Convex

Across-slope shape: Linear

Parent material: Colluvium derived from basalt alluvium derived from sandstone and shale over residuum weathered from clayey shale

Slope: 3 to 12 percent

Surface area covered with stones and boulders: 1.5 percent

Drainage class: Well drained

Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr)

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate maximum: 80 percent

Gypsum maximum: 0 percent

Salinity maximum: Non saline or very slightly saline (2.0 to 4.0 mmhos/cm)

Sodium adsorption ratio maximum: 25.0

Available water capacity: Low (about 5.7 inches)

Properties and Qualities

Interpretive Groups

Land capability (non irrigated): 7s

Ecological site: Stony Saltdesert (R034XY404CO)

Typical Profile

0 to 3 inches: very cobbly sandy loam

3 to 10 inches: cobbly sandy clay loam

10 to 22 inches: very stony silty clay loam

22 to 46 inches: extremely stony clay loam

46 to 60 inches: cobbly clay loam

Description of Uffens

Setting

Landform: Mesas

Landform position (two-dimensional): Summit

Down-slope shape: Convex

Across-slope shape: Linear

Parent material: Alluvium derived from sandstone and shale and/or alluvium derived from basalt and/or residuum weathered from clayey shale

Slope: 3 to 12 percent

Surface area covered with stones and boulders: 1.5 percent

Drainage class: Well drained

Capacity of the most limiting layer to transmit water (Ksat): Moderately low or moderately high (0.06 to 0.60 in/hr)

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate maximum: 25 percent

Gypsum maximum: 30 percent

Salinity maximum: Very slightly saline or moderately saline (4.0 to 16.0 mmhos/cm)

Sodium adsorption ratio maximum: 60.0

Available water capacity: Moderate (about 6.5 inches)

Properties and Qualities

Interpretive Groups

Map Unit Description

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Map Unit Description

Mesa County Area, Colorado

Interpretive Groups

Land capability (non irrigated): 7s

Ecological site: Stony Saltdesert (R034XY404CO)

Typical Profile

0 to 2 inches: cobbly sandy clay loam

2 to 21 inches: cobbly silty clay loam, gravelly silty clay loam

21 to 31 inches: gravelly clay loam

31 to 60 inches: very stony clay loam