

Soil map

Bolinas-Beaumont complex



Moffat County Area, Colorado

18—Boltus-Beamton complex, 2 to 12 percent slopes

Map Unit Setting

National map unit symbol: jp9z
Elevation: 6,000 to 7,000 feet
Mean annual precipitation: 9 to 11 inches
Mean annual air temperature: 42 to 45 degrees F
Frost-free period: 75 to 95 days
Farmland classification: Not prime farmland

Map Unit Composition

Boltus and similar soils: 50 percent
Beamton and similar soils: 25 percent
Minor components: 25 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Boltus

Setting

Landform: Hills
Landform position (two-dimensional): Footslope, backslope
Landform position (three-dimensional): Head slope, nose slope, side slope, base slope
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Residuum derived from shale

Typical profile

H1 - 0 to 3 inches: silty clay loam
H2 - 3 to 17 inches: silty clay
H3 - 17 to 21 inches: weathered bedrock

Properties and qualities

Slope: 2 to 12 percent
Depth to restrictive feature: 10 to 20 inches to parallelitic bedrock
Natural drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 5 percent
Gypsum, maximum in profile: 15 percent
Salinity, maximum in profile: Slightly saline to moderately saline (4.0 to 8.0 mmhos/cm)
Sodium adsorption ratio, maximum in profile: 5.0
Available water storage in profile: Very low (about 2.7 inches)

Description of Beamton

Setting

Landform: Hills

Landform position (two-dimensional): Footslope

Landform position (three-dimensional): Head slope, nose slope, side slope, base slope

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Residuum and alluvium derived from shale

Typical profile

H1 - 0 to 2 inches: silty clay loam

H2 - 2 to 26 inches: silty clay loam

H3 - 26 to 33 inches: silty clay loam

H4 - 33 to 37 inches: weathered bedrock

Properties and qualities

Slope: 2 to 12 percent

Depth to restrictive feature: 20 to 40 inches to paralithic bedrock

Natural drainage class: Well drained

Runoff class: High

Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum in profile: 5 percent

Gypsum, maximum in profile: 10 percent

Salinity, maximum in profile: Slightly saline to moderately saline

(4.0 to 8.0 mmhos/cm)

Sodium adsorption ratio, maximum in profile: 5.0

Available water storage in profile: Low (about 4.7 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 6e

Hydrologic Soil Group: D

Ecological site: Alkali Upland (R034XY418CO)

Hydric soil rating: No

Minor Components

Shallow and moderately deep loamy soils

Percent of map unit: 13 percent

Landform: Hills

Landform position (two-dimensional): Footslope
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Percent of map unit: 12 percent
Landform: Hills
Landform position (two-dimensional): Footslope

Data Source Information

Soil Survey Area: Moffat County Area, Colorado
Survey Area Data: Version 10, Oct 12, 2017

