

Moffat County Area, Colorado

23—Bulkley silty clay, 12 to 25 percent slopes

Map Unit Setting

Elevation: 6,200 to 7,000 feet

Mean annual precipitation: 13 to 15 inches

Mean annual air temperature: 42 to 45 degrees F

Frost-free period: 75 to 95 days

Map Unit Composition

Bulkley and similar soils: 90 percent

Description of Bulkley

Setting

Landform: Hills

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 4 inches: moderately alkaline, silty clay

H2 - 4 to 36 inches: moderately alkaline, clay

H3 - 36 to 60 inches: moderately alkaline, silty clay

Properties and qualities

Slope: 12 to 25 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Well drained

Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum in profile: 10 percent

Gypsum, maximum in profile: 1 percent

Salinity, maximum in profile: Nonsaline (0.0 to 2.0 mmhos/cm)

Available water storage in profile: High (about 9.0 inches)

Interpretive groups

Farmland classification: Not prime farmland

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 6e

Hydrologic Soil Group: D

Ecological site: Clayey Foothills (R034XY289CO)

Data Source Information

Soil Survey Area: Moffat County Area, Colorado
Survey Area Data: Version 7, Dec 23, 2013