

Jackson County Area, Colorado

Bs—Bosler sandy loam

Map Unit Setting

National map unit symbol: jpyx

Elevation: 7,800 to 8,300 feet

Mean annual precipitation: 9 to 12 inches

Mean annual air temperature: 37 to 39 degrees F

Frost-free period: 35 to 45 days

Farmland classification: Farmland of statewide importance

Map Unit Composition

Bosler and similar soils: 90 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Bosler

Setting

Landform: Terraces, benches

Landform position (three-dimensional): Tread

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Old gravelly alluvium and/or outwash

Typical profile

H1 - 0 to 3 inches: sandy loam

H2 - 3 to 15 inches: sandy clay loam

H3 - 15 to 21 inches: sandy loam

H4 - 21 to 60 inches: very gravelly loamy coarse sand

Properties and qualities

Slope: 2 to 5 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Well drained

Runoff class: Low

Capacity of the most limiting layer to transmit water (Ksat):

Moderately high to high (0.20 to 2.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum in profile: 20 percent

Available water storage in profile: Low (about 4.5 inches)

Interpretive groups

Land capability classification (irrigated): 5c

Land capability classification (nonirrigated): 6c

Hydrologic Soil Group: B

Ecological site: Valley bench (R048AY278CO)

Data Source Information

Soil Survey Area: Jackson County Area, Colorado
Survey Area Data: Version 7, Sep 22, 2014

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Map unit symbol and soil name	Ecological site	Total dry-weight production			Characteristic vegetation	Rangeland composition
		Favorable year	Normal year	Unfavorable year		
		<i>Lb/ac</i>	<i>Lb/ac</i>	<i>Lb/ac</i>		<i>Pct</i>
Bs—Bosler sandy loam						
Bosler	Valley Bench	1,000	750	500	Big sagebrush	30
					Streambank wheatgrass	10
					Prairie junegrass	10
					Pine needlegrass	10
					Muttongrass	10
					Blue grama	5
					Needleandthread	5
					Yellow rabbitbrush	5
					Bluebunch wheatgrass	5
					Bottlebrush squirreltail	5
					Buckwheat	3