

## 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

Jackson County Area, Colorado						
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