

## Routt Area, Colorado, Parts of Rio Blanco and Routt Counties

### 9E—Shermap loam, 12 to 35 percent slopes

#### Map Unit Setting

*Elevation:* 6,400 to 7,300 feet

*Mean annual precipitation:* 16 to 20 inches

*Mean annual air temperature:* 40 to 44 degrees F

*Frost-free period:* 80 to 110 days

#### Map Unit Composition

*Shermap and similar soils:* 80 percent

#### Description of Shermap

##### Setting

*Landform:* Structural benches, hills

*Landform position (three-dimensional):* Base slope, head slope, nose slope, side slope

*Parent material:* Eolian deposits derived from sandstone and shale and/or slope alluvium derived from sandstone

##### Properties and qualities

*Slope:* 12 to 35 percent

*Depth to restrictive feature:* More than 80 inches

*Drainage class:* Well drained

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

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Available water capacity:* High (about 9.8 inches)

##### Interpretive groups

*Farmland classification:* Not prime farmland

*Land capability (nonirrigated):* 6e

*Hydrologic Soil Group:* B

*Ecological site:* Mountain Loam (R048AY228CO)

##### Typical profile

*0 to 10 inches:* Loam

*10 to 18 inches:* Clay loam

*18 to 30 inches:* Clay loam

*30 to 46 inches:* Clay loam

*46 to 49 inches:* Clay loam

*49 to 65 inches:* Sandy clay loam

### 10E—Bulkley silty clay, 12 to 25 percent slopes

#### Map Unit Composition

*Bulkley and similar soils:* 100 percent

## **Description of Bulkley**

### **Setting**

*Landform:* Hills

*Landform position (three-dimensional):* Side slope, base slope, head slope, nose slope

*Parent material:* Colluvium derived from sandstone and shale and/or slope alluvium derived from sandstone and shale

### **Properties and qualities**

*Slope:* 12 to 25 percent

*Depth to restrictive feature:* More than 80 inches

*Drainage class:* Well drained

*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 content:* 15 percent

*Gypsum, maximum content:* 5 percent

*Maximum salinity:* Nonsaline (0.0 to 2.0 mmhos/cm)

### **Interpretive groups**

*Farmland classification:* Not prime farmland

*Land capability (nonirrigated):* 6e

*Hydrologic Soil Group:* C

*Ecological site:* Claypan (R034XY296CO)

# Custom Soil Resource Report

Rangeland Productivity and Plant Composition— Routt Area, Colorado, Parts of Rio Blanco and Routt Counties						
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>
9E—Shermap loam, 12 to 35 percent slopes						
Shermap	Mountain Loam	1,800	1,500	1,200	Mountain big sagebrush	15
					Letterman's needlegrass	15
					Slender wheatgrass	10
					Western wheatgrass	10
					Mountain brome	5
					Elk sedge	5
					Mountain snowberry	5
					Miscellaneous perennial forbs	5
					Nodding brome	5
					Miscellaneous perennial grasses	5
10E—Bulkley silty clay, 12 to 25 percent slopes						
Bulkley	Claypan	—	—	—	—	—