

Map Unit Description

Moffat County Area, Colorado

94 Hapney fine sandy loam, moist, 0 to 1 percent slopes

Setting

Elevation: 6000 to 6300 feet
Mean annual precipitation: 13 to 15 inches
Mean annual air temperature: 42 to 45 degrees F
Frost-free period: 75 to 95 days

Composition

Hapney, moist, and similar soils: 90 percent

Description of Hapney, moist

Setting

Landform: Stream terraces
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium derived from mixed sources

Properties and Qualities

Slope: 0 to 1 percent
Drainage class: Moderately well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low or moderately high (0.06 to 0.20 in/hr)
Depth to water table: About 48 to 72 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 10 percent
Gypsum maximum: 5 percent
Salinity maximum: Slightly saline or moderately saline (8.0 to 16.0 mmhos/cm)
Sodium adsorption ratio maximum: 30.0
Available water capacity: Moderate (about 9.0 inches)

Interpretive Groups

Land capability (non irrigated): 6s
Ecological site: SALT FLATS (R034XY261CO)

Typical Profile

0 to 2 inches: fine sandy loam
2 to 15 inches: clay
15 to 50 inches: clay loam
50 to 60 inches: sandy clay loam

Rangeland Productivity and Plant Composition

Moffat County Area, Colorado

Map 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>
94:						
Hapney, moist	SALT FLATS	900	625	450	Alkali sacaton	20
					Inland saltgrass	15
					Western wheatgrass	10
					Wyoming big sagebrush	10
					Bottlebrush squirreltail	5
					Greasewood	5
					Great Basin wildrye	5