

# 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