

Map Unit Description

Moffat County Area, Colorado

101 Hesperus loam, 3 to 25 percent slopes, very stony

Setting

Elevation: 6600 to 7600 feet
Mean annual precipitation: 16 to 18 inches
Mean annual air temperature: 40 to 43 degrees F
Frost-free period: 65 to 85 days

Composition

Hesperus and similar soils: 90 percent

Description of Hesperus

Setting

Landform: Plateaus, mountainsides
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Colluvium and residuum derived from sandstone mantled by basalt rock fragments

Properties and Qualities

Slope: 3 to 25 percent
Surface area covered with stones and boulders: 9.0 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 10 percent
Gypsum maximum: 0 percent
Available water capacity: High (about 11.1 inches)

Interpretive Groups

Land capability (non irrigated): 6e
Ecological site: Brushy Loam (R048AY238CO)

Typical Profile

0 to 12 inches: loam
12 to 45 inches: clay loam
45 to 60 inches: 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		
		Lb/Ac	Lb/Ac	Lb/Ac		Pct
101:						
Hesperus	Brushy Loam	3,000	2,500	1,500	Elk sedge	10
					Gambel oak	10
					Mountain brome	10
					Saskatoon serviceberry	10
					Letterman's needlegrass	5
					Mountain snowberry	5
					Nodding brome	5
					Other perennial forbs	5
					Other perennial grasses	5
					Slender wheatgrass	5