

Moffat County Area, Colorado

216—Yamo loam, 3 to 15 percent slopes

Map Unit Setting

National map unit symbol: jpc9

Elevation: 6,200 to 7,000 feet

Mean annual precipitation: 11 to 13 inches

Mean annual air temperature: 42 to 45 degrees F

Frost-free period: 75 to 95 days

Farmland classification: Not prime farmland

Map Unit Composition

Yamo and similar soils: 90 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Yamo

Setting

Landform: Structural benches, hills

Landform position (two-dimensional): Toeslope

Landform position (three-dimensional): Tread

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Alluvium derived from sandstone and in loess

Typical profile

H1 - 0 to 5 inches: loam

H2 - 5 to 22 inches: loam

H3 - 22 to 60 inches: loam

Properties and qualities

Slope: 3 to 15 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Well drained

Runoff class: Medium

Capacity of the most limiting layer to transmit water (Ksat):

Moderately high to high (0.60 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: 10 percent

Salinity, maximum in profile: Nonsaline (0.0 to 2.0 mmhos/cm)

Sodium adsorption ratio, maximum in profile: 1.0

Available water storage in profile: High (about 9.5 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 4e

Hydrologic Soil Group: B

Ecological site: Clayey foothills (R034XY289CO)

Data Source Information

Soil Survey Area: Moffat County Area, Colorado

Survey Area Data: Version 8, Sep 22, 2014

Map unit symbol and soil name	Ecological site	Total dry-weight production			Characteristic vegetation	Rangeland composition
		Favorable year	Normal year	Unfavorable year		
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Yamo	Clayey Foothills	1,200	900	600	Western wheatgrass	30
					Wyoming big sagebrush	15
					Bluebunch wheatgrass	10
					Yellow rabbitbrush	5