

Map Unit Description

Moffat County Area, Colorado

70 Fluvaquents and Haplaquolls soils, frequently flooded

Setting

Elevation: 5900 to 8000 feet
Mean annual precipitation: 11 to 18 inches
Mean annual air temperature: 40 to 45 degrees F
Frost-free period: 65 to 85 days

Composition

Fluvaquents, frequently flooded, and similar soils: 50 percent
Haplaquolls, frequently flooded, and similar soils: 45 percent

Description of Fluvaquents, frequently flooded

Setting

Landform: Depressions on stream terraces, flood plains
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: Very poorly drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.20 to 2.00 in/hr)
Depth to water table: About 0 to 0 inches
Frequency of flooding: Frequent
Frequency of ponding: None
Calcium carbonate maximum: 10 percent
Gypsum maximum: 0 percent
Available water capacity: Moderate (about 7.2 inches)

Interpretive Groups

Land capability (non irrigated): 6w

Typical Profile

0 to 4 inches: sandy loam
4 to 60 inches: stratified sand to clay

Description of Haplaquolls, frequently flooded

Setting

Landform: Depressions on stream terraces, oxbows on flood plains
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: Very poorly drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.20 to 2.00 in/hr)
Depth to water table: About 0 to 0 inches
Frequency of flooding: Frequent
Frequency of ponding: None
Calcium carbonate maximum: 5 percent
Gypsum maximum: 0 percent
Available water capacity: Moderate (about 6.6 inches)

Interpretive Groups

Land capability (non irrigated): 6w

Typical Profile

0 to 6 inches: clay loam
6 to 14 inches: clay loam
14 to 21 inches: fine sandy loam
21 to 34 inches: sandy clay loam
34 to 44 inches: sand
44 to 60 inches: extremely gravelly sand

Map Unit Description

Moffat County Area, Colorado

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>
70:						
Fluvaquents, frequently flooded	---	3,000	2,000	1,000	Cattail	15
					Rush	15
					Sedge	15
					Willow	15
					Common reed	10
					Reed canarygrass	10
Haplaquolls, frequently flooded	---	3,000	2,000	1,000	Cattail	15
					Rush	15
					Sedge	15
					Willow	15

Map Unit Description

Moffat County Area, Colorado

118 Lander loam, 0 to 3 percent slopes

Setting

Elevation: 6000 to 7000 feet
Mean annual precipitation: 12 to 16 inches
Mean annual air temperature: 42 to 45 degrees F
Frost-free period: 75 to 95 days

Composition

Lander and similar soils: 85 percent
Minor components: 5 percent

Description of Lander

Setting

Landform: Flood plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium derived from mixed sources

Properties and Qualities

Slope: 0 to 3 percent
Drainage class: Somewhat poorly drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr)
Depth to water table: About 30 to 42 inches
Frequency of flooding: Rare
Frequency of ponding: None
Calcium carbonate maximum: 5 percent
Gypsum maximum: 0 percent
Available water capacity: Moderate (about 8.9 inches)

Interpretive Groups

Land capability classification (irrigated): 4c
Land capability (non irrigated): 4c
Ecological site: Riverbottom (R034XY236CO)

Typical Profile

0 to 10 inches: loam
10 to 44 inches: stratified fine sandy loam to clay loam
44 to 55 inches: fine sand
55 to 60 inches: extremely gravelly sand

Minor Components

Haplaquolls

Percent of map unit: 5 percent
Landform: Oxbows

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
118:						
Lander	Riverbottom	2,000	1,700	1,500	Great Basin wildrye	15
					Other shrubs	15
					Western wheatgrass	15
					Slender wheatgrass	10
					Nebraska sedge	5