

# Map Unit Description

Jackson County Area, Colorado

GeD Gelkie sandy loam, 2 to 15 percent slopes

## Setting

Elevation: 8200 to 8800 feet  
Mean annual precipitation: 16 to 18 inches  
Mean annual air temperature: 34 to 36 degrees F  
Frost-free period: 30 to 40 days

## Composition

Gelkie and similar soils: 90 percent

## Description of Gelkie

### Setting

Landform: Outwash plains, benches, terraces  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Old alluvium and/or glacial outwash and/or reworked glacial till

### Properties and Qualities

Slope: 2 to 15 percent  
Drainage class: Well drained  
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.20 to 2.00 in/hr)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 15 percent  
Gypsum maximum: 0 percent  
Available water capacity: Moderate (about 7.9 inches)

### Interpretive Groups

Land capability classification (irrigated): 6e  
Land capability (non irrigated): 6c  
Ecological site: Mountain Loam (R048AY228CO)

### Typical Profile

0 to 5 inches: sandy loam  
5 to 37 inches: sandy clay loam  
37 to 60 inches: sandy loam

# Rangeland Productivity and Plant Composition

Jackson 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>		
GeD:						
Gelkie	Mountain Loam	1,800	1,500	1,200	Big sagebrush	25
					Idaho fescue	15
					Big bluegrass	10
					Sedge	10
					Western wheatgrass	10
					Buckwheat	5
					Nodding brome	5
					Yellow rabbitbrush	5
					Indian paintbrush	3
					Antelope bitterbrush	2
					Lupine	2