

# Map Unit Description

Phillips County, Colorado

Ra Rago and Kuma loams

## Setting

Landscape: Uplands  
Elevation: 3500 to 5500 feet  
Mean annual precipitation: 13 to 17 inches  
Mean annual air temperature: 48 to 52 degrees F  
Frost-free period: 140 to 160 days

## Composition

Rago and similar soils: 60 percent  
Kuma and similar soils: 25 percent  
Minor components: 15 percent

## Description of Rago

### Setting

Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Calcareous, limy loam silty and clayey

### Properties and Qualities

Slope: 0 to 3 percent  
Drainage class: Well drained  
Capacity of the most limiting layer to transmit water (Ksat): Moderately low or moderately high (0.06 to 0.20 in/hr)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 10 percent  
Gypsum maximum: 0 percent  
Available water capacity: High (about 11.9 inches)

### Interpretive Groups

Land capability classification (irrigated): 2e  
Land capability (non irrigated): 2c  
Ecological site: Loamy Plains (R072XY001CO)

### Typical Profile

0 to 9 inches: loam  
9 to 26 inches: silty clay loam  
26 to 60 inches: silty clay loam

## Description of Kuma

### Setting

Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Eolian deposits

### Properties and Qualities

Slope: 0 to 3 percent  
Drainage class: Well drained  
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.60 to 2.00 in/hr)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 10 percent  
Gypsum maximum: 2 percent  
Available water capacity: High (about 11.3 inches)

### Interpretive Groups

Land capability classification (irrigated): 2e  
Land capability (non irrigated): 2e  
Ecological site: Loamy Plains (R072XY001CO)

### Typical Profile

0 to 8 inches: loam  
8 to 37 inches: silty clay loam  
37 to 60 inches: loam

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## Minor Components

Platner

Percent of map unit: 5 percent

Richfield

Percent of map unit: 5 percent

Dawes

Percent of map unit: 3 percent

Aquic haplustolls

Percent of map unit: 2 percent

Landform: Depressions