

# Map Unit Description

Las Animas County Area, Colorado, Parts of Huerfano and Las Animas Counties

## DFV Fuera-Dargol-Vamer complex, 10 to 45 percent slopes

### Setting

Landscape: Foothills  
Elevation: 7500 to 9000 feet  
Mean annual precipitation: 17 to 22 inches  
Mean annual air temperature: 43 to 46 degrees F  
Frost-free period: 70 to 100 days

### Composition

Fuera and similar soils: 35 percent  
Dargol and similar soils: 30 percent  
Vamer and similar soils: 20 percent

### Description of Fuera

#### Setting

Landform: Hills  
Landform position (two-dimensional): Backslope, footslope  
Down-slope shape: Linear  
Across-slope shape: Convex  
Parent material: Alluvium and colluvium derived from shale and siltstone

#### Properties and Qualities

Slope: 10 to 45 percent  
Surface area covered with stones and boulders: 8.0 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: 0 percent  
Gypsum maximum: 0 percent  
Available water capacity: Moderate (about 7.4 inches)

#### Interpretive Groups

Land capability (non irrigated): 7e  
Ecological site: Pseudotsuga menziesii-Pinus po (F048AY009NM)  
Other vegetative classification: Rocky Mountain Douglas fir/pon (Pmeg-Pipo)

#### Typical Profile

0 to 2 inches: slightly decomposed plant material  
2 to 7 inches: cobbly loam  
7 to 10 inches: cobbly loam  
10 to 11 inches: cobbly clay loam  
11 to 27 inches: cobbly clay  
27 to 47 inches: cobbly clay  
47 to 60 inches: cobbly clay

### Description of Dargol

#### Setting

Landform: Hills  
Landform position (two-dimensional): Backslope, shoulder  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Slope alluvium and residuum weathered from shale and siltstone

#### Properties and Qualities

Slope: 10 to 45 percent  
Surface area covered with stones and boulders: 20.0 percent  
Depth to restrictive feature: 20 to 40 inches to Lithic bedrock  
Drainage class: Well drained  
Capacity of the most limiting layer to transmit water (Ksat): Very low or moderately low (0.00 to 0.06 in/hr)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 0 percent  
Gypsum maximum: 0 percent

## Map Unit Description

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Available water capacity: Low (about 4.7 inches)

### Interpretive Groups

Land capability (non irrigated): 7e

Ecological site: *Pseudotsuga menziesii*-Pinus po (F048AY009NM)

Other vegetative classification: Rocky Mountain Douglas fir/pon (Pmeg-Pipo)

### Typical Profile

0 to 1 inches: moderately decomposed plant material

1 to 6 inches: loam

6 to 10 inches: clay

10 to 29 inches: clay

29 to 60 inches: bedrock

## Description of Vamer

### Setting

Landform: Hills

Landform position (two-dimensional): Shoulder, summit

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Slope alluvium and residuum weathered from siltstone over sandstone

### Properties and Qualities

Slope: 10 to 40 percent

Surface area covered with stones and boulders: 3.0 percent

Depth to restrictive feature: 10 to 20 inches to Lithic bedrock

Drainage class: Well drained

Capacity of the most limiting layer to transmit water (Ksat): Very low or moderately low (0.00 to 0.14 in/hr)

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate maximum: 0 percent

Gypsum maximum: 0 percent

Available water capacity: Very low (about 2.6 inches)

### Interpretive Groups

Land capability (non irrigated): 7e

Ecological site: Pinus ponderosa-Juniperus scop (F048AY011NM)

Other vegetative classification: ponderosa pine/mountain muhly (Pipo/Mumo)

### Typical Profile

0 to 1 inches: slightly decomposed plant material

1 to 3 inches: fine sandy loam

3 to 7 inches: fine sandy loam

7 to 16 inches: clay

16 to 60 inches: bedrock