

# Map Unit Description

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

**Sw Molinaro loam, 2 to 12 percent slopes**

## Setting

Landscape: Foothills  
Elevation: 6800 to 8000 feet  
Mean annual precipitation: 17 to 22 inches  
Mean annual air temperature: 45 to 47 degrees F  
Frost-free period: 70 to 100 days

## Composition

Molinaro and similar soils: 90 percent

## Description of Molinaro

### Setting

Landform: Fan remnants, terraces, valley floors  
Landform position (two-dimensional): Foothslope, toeslope  
Down-slope shape: Linear  
Across-slope shape: Convex  
Parent material: Alluvium derived from sandstone and shale

### Properties and Qualities

Slope: 2 to 12 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: 5 percent  
Gypsum maximum: 0 percent  
Sodium adsorption ratio maximum: 2.0  
Available water capacity: High (about 9.3 inches)

### Interpretive Groups

Land capability classification (irrigated): 4e  
Land capability (non irrigated): 4e  
Ecological site: Loamy Foothill (R049XB202CO)  
Other vegetative classification: Loamy Foothills #202 (049XY202CO\_2)

### Typical Profile

0 to 17 inches: loam  
17 to 31 inches: loam  
31 to 41 inches: clay loam  
41 to 66 inches: loam