

# Map Unit Description

Moffat County Area, Colorado

## 77 Forelle loam, 3 to 12 percent slopes

### Setting

Elevation: 6200 to 7200 feet  
Mean annual precipitation: 11 to 13 inches  
Mean annual air temperature: 42 to 45 degrees F  
Frost-free period: 75 to 95 days

### Composition

Forelle and similar soils: 85 percent

### Description of Forelle

#### Setting

Landform: Structural benches  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Loess and in alluvium derived from shale and sandstone

#### Properties and Qualities

Slope: 3 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: 15 percent  
Gypsum maximum: 0 percent  
Sodium adsorption ratio maximum: 5.0  
Available water capacity: High (about 9.9 inches)

#### Interpretive Groups

Land capability (non irrigated): 4e  
Ecological site: Rolling Loam (R034XY298CO)

#### Typical Profile

0 to 5 inches: loam  
5 to 23 inches: clay loam  
23 to 51 inches: loam  
51 to 60 inches: sandy loam