

## Map Unit Description

La Plata County Area, Colorado

### 60 Shaiona loam

#### Setting

Elevation: 6000 to 7000 feet  
Mean annual precipitation: 14 to 18 inches  
Mean annual air temperature: 45 to 50 degrees F  
Frost-free period: 110 to 130 days

#### Composition

Shaiona and similar soils: 80 percent

#### Description of Shaiona

##### Setting

Landform: Terraces  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Mixed alluvium derived from sandstone and shale

##### Properties and Qualities

Slope: 1 to 6 percent  
Drainage class: Well drained  
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 10 percent  
Gypsum maximum: 0 percent  
Available water capacity: High (about 11.0 inches)

##### Interpretive Groups

Land capability classification (irrigated): 3e  
Land capability (non irrigated): 3e  
Ecological site: Clayey Valley (R048AY257CO)

##### Typical Profile

0 to 2 inches: loam  
2 to 7 inches: loam, clay loam, silty clay loam  
7 to 43 inches: loam, clay loam, silty clay loam  
43 to 60 inches: loam, clay loam, sandy clay loam