

## Map Unit Description

Rifle Area, Colorado, Parts of Garfield and Mesa Counties

### 68 Vale silt loam, 3 to 6 percent slopes

#### Setting

Elevation: 5000 to 7200 feet

#### Composition

Vale and similar soils: 90 percent

#### Description of Vale

##### Setting

Landform: Alluvial fans, terraces, mesas  
Down-slope shape: Convex, linear  
Across-slope shape: Convex, linear  
Parent material: Calcareous eolian deposits

##### Properties and Qualities

Slope: 3 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: 15 percent  
Gypsum maximum: 0 percent  
Available water capacity: High (about 10.5 inches)

##### Interpretive Groups

Land capability classification (irrigated): 3e  
Land capability (non irrigated): 3e  
Ecological site: Deep Loam (R048AY292CO)

##### Typical Profile

0 to 7 inches: silt loam  
7 to 11 inches: silt loam  
11 to 26 inches: silty clay loam  
26 to 60 inches: silt loam