

# Map Unit Description

Washington County, Colorado

## 70 Valent sand, 1 to 9 percent slopes

### Setting

Elevation: 3900 to 6800 feet  
Mean annual precipitation: 12 to 17 inches  
Mean annual air temperature: 48 to 52 degrees F  
Frost-free period: 145 to 160 days

### Composition

Valent and similar soils: 85 percent  
Minor components: 15 percent

### Description of Valent

#### Setting

Landform: Ridges, hills  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Eolian sands

#### Properties and Qualities

Slope: 1 to 9 percent  
Drainage class: Excessively drained  
Capacity of the most limiting layer to transmit water (Ksat): High or very high (5.95 to 19.98 in/hr)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 0 percent  
Gypsum maximum: 0 percent  
Available water capacity: Low (about 4.2 inches)

#### Interpretive Groups

Land capability classification (irrigated): 4e  
Land capability (non irrigated): 6e  
Ecological site: Deep Sands (R072XY016CO)

#### Typical Profile

0 to 8 inches: sand  
8 to 60 inches: fine sand

### Minor Components

#### Julesburg

Percent of map unit: 7 percent

#### Vona

Percent of map unit: 5 percent

#### Haxtun

Percent of map unit: 3 percent