

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