

Map Unit Description

Weld County, Colorado, Southern Part

69 Valent sand, 0 to 3 percent slopes**Setting**

Elevation: 4650 to 5100 feet
 Mean annual precipitation: 13 to 19 inches
 Mean annual air temperature: 48 to 52 degrees F
 Frost-free period: 130 to 180 days

Composition

Valent and similar soils: 90 percent
 Minor components: 10 percent

Description of Valent**Setting**

Landform: Plains
 Down-slope shape: Linear
 Across-slope shape: Linear
 Parent material: Eolian deposits

Properties and Qualities

Slope: 0 to 3 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: Very low (about 2.6 inches)

Interpretive Groups

Land capability classification (irrigated): 4e
 Land capability (non irrigated): 6e
 Ecological site: Deep Sand (R067BY015CO)

Typical Profile

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

Minor Components**Osgood**

Percent of map unit: 10 percent