

# Map Unit Description

Weld County, Colorado, Southern Part

## 49 Osgood sand, 0 to 3 percent slopes

### Setting

Elevation: 4680 to 4900 feet  
Mean annual precipitation: 13 to 15 inches  
Mean annual air temperature: 46 to 55 degrees F  
Frost-free period: 140 to 150 days

### Composition

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

### Description of Osgood

#### Setting

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

#### Properties and Qualities

Slope: 0 to 3 percent  
Drainage class: Well drained  
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 0 percent  
Gypsum maximum: 0 percent  
Available water capacity: Low (about 4.8 inches)

#### Interpretive Groups

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

#### Typical Profile

0 to 22 inches: sand  
22 to 34 inches: sandy loam  
34 to 60 inches: sand

### Minor Components

#### Valent

Percent of map unit: 10 percent

#### Dailey

Percent of map unit: 5 percent