

Gutherson State DD08- 785  
Gutherson State DD08- 780  
Gutherson State DD17- 775  
Gutherson State DD17- 770  
Gutherson State DD17- 755  
Gutherson State DD17- 760  
Gutherson State DD17- 765

## Weld County, Colorado, Southern Part

T3N-R63W, 6th pm  
Sec. 5: S2SW4  
Weld County, CO

### 49—Osgood sand, 0 to 3 percent slopes

#### Map Unit Setting

*Elevation:* 4,680 to 4,900 feet

*Mean annual precipitation:* 13 to 15 inches

*Mean annual air temperature:* 46 to 55 degrees F

*Frost-free period:* 140 to 150 days

#### Map Unit 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

##### Typical profile

*H1 - 0 to 22 inches:* neutral, sand

*H2 - 22 to 34 inches:* neutral, sandy loam

*H3 - 34 to 60 inches:* moderately alkaline, sand

##### Properties and qualities

*Slope:* 0 to 3 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Well drained

*Capacity of the most limiting layer to transmit water (Ksat):* High (2.00 to 6.00 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Available water storage in profile:* Low (about 4.8 inches)

##### Interpretive groups

*Farmland classification:* Farmland of statewide importance

*Land capability classification (irrigated):* 4e

*Land capability classification (nonirrigated):* 6e

*Hydrologic Soil Group:* C

*Ecological site:* Deep Sand (R067BY015CO)

#### Minor Components

##### Valent

*Percent of map unit:* 10 percent

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*Percent of map unit:* 5 percent

**Data Source Information**

Soil Survey Area: Weld County, Colorado, Southern Part

Survey Area Data: Version 12, Jan 3, 2014