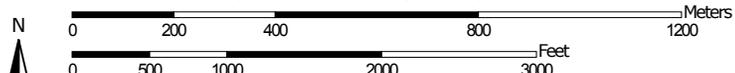


Soil Map—Weld County, Colorado, Southern Part  
(DEHAAN SOUTH PAD)



Map Scale: 1:14,800 if printed on A landscape (11" x 8.5") sheet.



Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 13N WGS84

## Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
1	Altvan loam, 0 to 1 percent slopes	153.1	20.1%
21	Dacono clay loam, 0 to 1 percent slopes	115.1	15.1%
22	Dacono clay loam, 1 to 3 percent slopes	9.9	1.3%
32	Kim loam, 1 to 3 percent slopes	12.9	1.7%
41	Nunn clay loam, 0 to 1 percent slopes	4.0	0.5%
47	Olney fine sandy loam, 1 to 3 percent slopes	17.8	2.3%
51	Otero sandy loam, 1 to 3 percent slopes	90.6	11.9%
64	Thedalund loam, 1 to 3 percent slopes	357.9	47.0%
85	Water	0.2	0.0%
<b>Totals for Area of Interest</b>		<b>761.4</b>	<b>100.0%</b>

## Weld County, Colorado, Southern Part

### 64—Thedalund loam, 1 to 3 percent slopes

#### Map Unit Setting

*National map unit symbol:* 363g  
*Elevation:* 4,900 to 5,250 feet  
*Mean annual precipitation:* 13 to 15 inches  
*Mean annual air temperature:* 46 to 48 degrees F  
*Frost-free period:* 130 to 160 days  
*Farmland classification:* Farmland of local importance

#### Map Unit Composition

*Thedalund and similar soils:* 90 percent  
*Minor components:* 10 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Thedalund

##### Setting

*Landform:* Plains  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Parent material:* Residuum weathered from shale

##### Typical profile

*H1 - 0 to 8 inches:* loam  
*H2 - 8 to 29 inches:* loam  
*H3 - 29 to 33 inches:* weathered bedrock

##### Properties and qualities

*Slope:* 1 to 3 percent  
*Depth to restrictive feature:* 20 to 40 inches to paralithic bedrock  
*Natural drainage class:* Well drained  
*Runoff class:* Low  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately low to high (0.06 to 2.00 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Calcium carbonate, maximum in profile:* 15 percent  
*Salinity, maximum in profile:* Nonsaline to moderately saline (0.0 to 8.0 mmhos/cm)  
*Available water storage in profile:* Low (about 4.9 inches)

##### Interpretive groups

*Land capability classification (irrigated):* 4s  
*Land capability classification (nonirrigated):* 4e  
*Hydrologic Soil Group:* C  
*Ecological site:* Loamy Plains (R067BY002CO)  
*Hydric soil rating:* No

### **Minor Components**

#### **Ulm**

*Percent of map unit:* 10 percent

*Hydric soil rating:* No

### **Data Source Information**

Soil Survey Area: Weld County, Colorado, Southern Part

Survey Area Data: Version 16, Oct 10, 2017