

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



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%
Totals for Area of Interest		761.4	100.0%

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