

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 slightly 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)

Minor Components

Ulm

Percent of map unit: 10 percent

Data Source Information

Soil Survey Area: Boulder County Area, Colorado

Survey Area Data: Version 10, Dec 30, 2013

Soil Survey Area: Weld County, Colorado, Southern Part

Survey Area Data: Version 12, Jan 3, 2014