

Map Unit Description

Weld County, Colorado, Southern Part

64 Thedalund loam, 1 to 3 percent slopes

Setting

Elevation: 4900 to 5250 feet
Mean annual precipitation: 13 to 15 inches
Mean annual air temperature: 46 to 48 degrees F
Frost-free period: 130 to 160 days

Composition

Thedalund and similar soils: 90 percent
Minor components: 10 percent

Description of Thedalund

Setting

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

Properties and Qualities

Slope: 1 to 3 percent
Depth to restrictive feature: 20 to 40 inches to Paralithic bedrock
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low or high (0.06 to 2.00 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Gypsum maximum: 0 percent
Available water capacity: Low (about 4.9 inches)

Interpretive Groups

Land capability classification (irrigated): 4s
Land capability (non irrigated): 4e
Ecological site: Loamy Plains (R067BY002CO)

Typical Profile

0 to 8 inches: loam
8 to 29 inches: loam
29 to 33 inches: weathered bedrock

Minor Components

Ulm

Percent of map unit: 10 percent

Map Unit Description

Weld County, Colorado, Southern Part

58 Shingle loam, 1 to 3 percent slopes

Setting

Elevation: 4850 to 5200 feet
Mean annual precipitation: 10 to 13 inches
Mean annual air temperature: 46 to 48 degrees F
Frost-free period: 110 to 140 days

Composition

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

Description of Shingle

Setting

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

Properties and Qualities

Slope: 1 to 3 percent
Depth to restrictive feature: 10 to 20 inches to Paralithic bedrock
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low or moderately high (0.06 to 0.20 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Gypsum maximum: 0 percent
Available water capacity: Low (about 3.3 inches)

Interpretive Groups

Land capability classification (irrigated): 6s
Land capability (non irrigated): 6s
Ecological site: Shaly Plains (R067BY045CO)

Typical Profile

0 to 6 inches: loam
6 to 18 inches: clay loam
18 to 22 inches: unweathered bedrock

Minor Components

Renohill

Percent of map unit: 6 percent

Terry

Percent of map unit: 5 percent

Ulm

Percent of map unit: 4 percent