

# 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