

# Map Unit Description

Arapahoe County, Colorado

## TeE Terry-Olney-Thedalund sandy loams, 5 to 20 percent slopes

### Setting

Landscape: Uplands  
Elevation: 3500 to 6200 feet  
Mean annual precipitation: 11 to 17 inches  
Mean annual air temperature: 46 to 54 degrees F  
Frost-free period: 120 to 180 days

### Composition

Terry and similar soils: 40 percent  
Olney and similar soils: 30 percent  
Thedalund and similar soils: 20 percent  
Minor components: 10 percent

### Description of Terry

#### Setting

Landform: Hills  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Residuum weathered from sandstone

#### Properties and Qualities

Slope: 5 to 20 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 3.6 inches)

#### Interpretive Groups

Land capability (non irrigated): 6e  
Ecological site: Sandy Plains (R067BY024CO)

#### Typical Profile

0 to 8 inches: sandy loam  
8 to 20 inches: fine sandy loam, sandy loam  
20 to 26 inches: fine sandy loam, sandy loam, gravelly sandy loam  
26 to 30 inches: weathered bedrock

### Description of Olney

#### Setting

Landform: Hills  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Fine-loamy alluvium and/or clayey sandy alluvium

#### Properties and Qualities

Slope: 5 to 15 percent  
Drainage class: Well drained  
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.57 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: Moderate (about 6.6 inches)

#### Interpretive Groups

Land capability (non irrigated): 6e  
Ecological site: Sandy Plains (R067BY024CO)

#### Typical Profile

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0 to 6 inches: sandy loam  
6 to 12 inches: sandy clay loam, sandy loam  
12 to 18 inches: sandy loam, sandy clay loam, fine sandy loam  
18 to 60 inches: fine sandy loam, loamy fine sand, sandy loam

## Description of Thedalund

### Setting

Landform: Hills  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Interbedded residuum weathered from sandstone and shale

### Properties and Qualities

Slope: 5 to 20 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 5.2 inches)

### Interpretive Groups

Land capability (non irrigated): 6e  
Ecological site: Sandy Plains (R067BY024CO)

### Typical Profile

0 to 4 inches: sandy loam  
4 to 30 inches: loam, clay loam  
30 to 34 inches: weathered bedrock

## Minor Components

### Baca

Percent of map unit: 5 percent

### Tassel

Percent of map unit: 5 percent