

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