

Map Unit Description

Arapahoe County, Colorado

RtE Renohill-Little-Thedalund complex, 9 to 30 percent slopes

Setting

Landscape: Uplands
Elevation: 3600 to 6200 feet
Mean annual precipitation: 11 to 16 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 100 to 170 days

Composition

Renohill and similar soils: 40 percent
Little and similar soils: 32 percent
Thedalund and similar soils: 20 percent
Minor components: 8 percent

Description of Renohill

Setting

Landform: Drainageways
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Loam clayey

Properties and Qualities

Slope: 9 to 30 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 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 4.1 inches)

Interpretive Groups

Land capability (non irrigated): 6e
Ecological site: Clayey Foothill (R049BY208CO)

Typical Profile

0 to 3 inches: loam
3 to 15 inches: clay loam, clay
15 to 24 inches: loam, clay loam
24 to 28 inches: unweathered bedrock

Description of Little

Setting

Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Eolian deposits

Properties and Qualities

Slope: 5 to 9 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 moderately high (0.06 to 0.20 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Gypsum maximum: 2 percent
Salinity maximum: Non saline or slightly saline (2.0 to 8.0 mmhos/cm)
Sodium adsorption ratio maximum: 5.0
Available water capacity: Low (about 4.9 inches)

Interpretive Groups

Land capability (non irrigated): 4e
Ecological site: Clayey Foothill (R049BY208CO)

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Typical Profile

0 to 3 inches: silty clay loam
3 to 30 inches: silty clay, clay
30 to 34 inches: weathered bedrock

Description of Thedalund

Setting

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

Properties and Qualities

Slope: 9 to 30 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 moderately high (0.06 to 0.60 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Gypsum maximum: 0 percent
Available water capacity: Low (about 4.2 inches)

Interpretive Groups

Land capability (non irrigated): 6e
Ecological site: Clayey Foothill (R049BY208CO)

Typical Profile

0 to 5 inches: clay loam
5 to 23 inches: loam, clay loam
23 to 27 inches: weathered bedrock

Minor Components

Buick

Percent of map unit: 5 percent

Tassel

Percent of map unit: 3 percent