

# 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