

## Arapahoe County, Colorado

### RhD—Renohill-Buick loams, 3 to 9 percent slopes

#### Map Unit Setting

*National map unit symbol:* 34z0

*Elevation:* 3,600 to 6,200 feet

*Mean annual precipitation:* 11 to 16 inches

*Mean annual air temperature:* 45 to 48 degrees F

*Frost-free period:* 100 to 170 days

*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Renohill and similar soils:* 65 percent

*Buick and similar soils:* 25 percent

*Minor components:* 10 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Renohill

##### Setting

*Landform:* Drainageways

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Loam silty and clayey alluvium

##### Typical profile

*H1 - 0 to 4 inches:* loam

*H2 - 4 to 18 inches:* clay loam, clay

*H2 - 4 to 18 inches:* loam, clay loam

*H3 - 18 to 30 inches:* unweathered bedrock

*H3 - 18 to 30 inches:*

*H4 - 30 to 34 inches:*

##### Properties and qualities

*Slope:* 3 to 9 percent

*Depth to restrictive feature:* 20 to 40 inches to paralithic bedrock

*Natural drainage class:* Well drained

*Runoff class:* Medium

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately low to moderately high (0.06 to 0.20 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum in profile:* 15 percent

*Salinity, maximum in profile:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

*Available water storage in profile:* High (about 9.7 inches)

##### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 4e  
*Hydrologic Soil Group:* D  
*Ecological site:* Loamy Plains (R067BY002CO)  
*Hydric soil rating:* No

## **Description of Buick**

### **Setting**

*Landform:* Ridges  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Parent material:* Alluvium and/or eolian deposits

### **Typical profile**

*H1 - 0 to 4 inches:* loam  
*H2 - 4 to 20 inches:* clay loam  
*H3 - 20 to 60 inches:* sandy clay loam, clay loam  
*H3 - 20 to 60 inches:*

### **Properties and qualities**

*Slope:* 3 to 8 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Well drained  
*Runoff class:* Medium  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately high (0.20 to 0.60 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Calcium carbonate, maximum in profile:* 15 percent  
*Available water storage in profile:* Very high (about 17.2 inches)

### **Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 4c  
*Hydrologic Soil Group:* C  
*Ecological site:* Loamy Plains (R067BY002CO)  
*Hydric soil rating:* No

## **Minor Components**

### **Fondis**

*Percent of map unit:* 5 percent  
*Hydric soil rating:* No

### **Litle**

*Percent of map unit:* 5 percent  
*Hydric soil rating:* No

## **Data Source Information**

Soil Survey Area: Arapahoe County, Colorado  
Survey Area Data: Version 13, Oct 10, 2017