

## Arapahoe County, Colorado

### FdB—Fondis silt loam, 1 to 3 percent slopes

#### Map Unit Setting

*National map unit symbol:* 34yh  
*Elevation:* 4,700 to 6,200 feet  
*Mean annual precipitation:* 14 to 16 inches  
*Mean annual air temperature:* 48 to 52 degrees F  
*Frost-free period:* 150 to 170 days  
*Farmland classification:* Prime farmland if irrigated

#### Map Unit Composition

*Fondis and similar soils:* 84 percent  
*Minor components:* 15 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Fondis

##### Setting

*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Parent material:* Silty and/or loamy

##### Typical profile

*H1 - 0 to 7 inches:* silt loam  
*H2 - 7 to 27 inches:* clay  
*H3 - 27 to 60 inches:* clay loam

##### Properties and qualities

*Slope:* 1 to 3 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Well drained  
*Runoff class:* Low  
*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  
*Available water storage in profile:* High (about 10.5 inches)

##### Interpretive groups

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 3c  
*Hydrologic Soil Group:* C  
*Ecological site:* Loamy Foothill (R049BY202CO)  
*Hydric soil rating:* No

### **Minor Components**

#### **Weld**

*Percent of map unit:* 10 percent

*Hydric soil rating:* No

#### **Buick**

*Percent of map unit:* 5 percent

*Hydric soil rating:* No

## **Data Source Information**

Soil Survey Area: Arapahoe County, Colorado

Survey Area Data: Version 12, Sep 22, 2016