

# Map Unit Description

Larimer County Area, Colorado

## 119 Wiley silt loam, 3 to 5 percent slopes

### Setting

Landscape: Uplands  
Elevation: 4800 to 5600 feet  
Mean annual precipitation: 13 to 15 inches  
Mean annual air temperature: 48 to 50 degrees F  
Frost-free period: 135 to 150 days

### Composition

Wiley and similar soils: 85 percent  
Minor components: 15 percent

### Description of Wiley

#### Setting

Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Uniform eolian deposits

#### Properties and Qualities

Slope: 3 to 5 percent  
Drainage class: Well drained  
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.60 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: High (about 11.4 inches)

#### Interpretive Groups

Land capability classification (irrigated): 3e  
Land capability (non irrigated): 4e  
Ecological site: Loamy Plains (R067XY002CO)

#### Typical Profile

0 to 6 inches: silt loam  
6 to 15 inches: silty clay loam, silt loam, clay loam  
15 to 60 inches: silt loam, silty clay loam, loam

### Minor Components

#### Keith

Percent of map unit: 10 percent

#### Colby

Percent of map unit: 4 percent

#### Aquic haplustolls

Percent of map unit: 1 percent  
Landform: Swales