

# Map Unit Description

Larimer County Area, Colorado

## 1 Altvan loam, 0 to 3 percent slopes

### Setting

Elevation: 5200 to 6200 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

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

### Description of Altvan

#### Setting

Landform: Hummocks, benches, terraces  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Mixed alluvium

#### Properties and Qualities

Slope: 0 to 3 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: 10 percent  
Gypsum maximum: 0 percent  
Available water capacity: Moderate (about 6.1 inches)

#### Interpretive Groups

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

#### Typical Profile

0 to 7 inches: loam  
7 to 17 inches: clay loam, loam, sandy clay loam  
17 to 36 inches: loam, fine sandy loam, silt loam  
36 to 60 inches: gravelly sand, gravelly coarse sand, coarse sand

### Minor Components

#### Stoneham

Percent of map unit: 6 percent

#### Keith

Percent of map unit: 4 percent

#### Larimer

Percent of map unit: 3 percent

#### Aquic haplustolls

Percent of map unit: 2 percent  
Landform: Swales