

VARRA P31-76 HN (TANK)  
NWNW 31-3N-67W

## Map Unit Description

Weld County, Colorado, Southern Part

### 24 Fort Collins loam, 1 to 3 percent slopes

#### Setting

Elevation: 4500 to 5050 feet  
Mean annual precipitation: 10 to 15 inches  
Mean annual air temperature: 46 to 52 degrees F  
Frost-free period: 130 to 170 days

#### Composition

Fort collins and similar soils: 80 percent  
Minor components: 20 percent

#### Description of Fort collins

##### Setting

Landform: Plains, terraces  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Alluvium and/or modified by thin eolian deposits

##### Properties and Qualities

Slope: 1 to 3 percent  
Drainage class: Well drained  
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.57 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 10.1 inches)

##### Interpretive Groups

Land capability classification (irrigated): 2e  
Land capability (non irrigated): 4c  
Ecological site: Loamy Plains (R067BY002CO)

##### Typical Profile

0 to 7 inches: loam  
7 to 11 inches: clay loam  
11 to 60 inches: fine sandy loam

#### Minor Components

##### Stoneham

Percent of map unit: 8 percent

##### Olney

Percent of map unit: 7 percent

##### Otero

Percent of map unit: 5 percent

VARRA P 31-764N (TANK)  
NW NW 31-3N-67W

## Map Unit Description

Weld County, Colorado, Southern Part

### 68 Ustic Torriorthents, moderately steep

#### Setting

Elevation: 4450 to 5100 feet  
Mean annual precipitation: 10 to 16 inches  
Mean annual air temperature: 46 to 54 degrees F  
Frost-free period: 120 to 160 days

#### Composition

Ustic torriorthents and similar soils: 85 percent  
Minor components: 15 percent

#### Description of Ustic torriorthents

##### Setting

Landform: Escarpments, breaks  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Gravelly alluvium

##### Properties and Qualities

Slope: 9 to 15 percent  
Drainage class: Excessively drained  
Capacity of the most limiting layer to transmit water (Ksat): High or very high (5.95 to 19.98 in/hr)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 5 percent  
Gypsum maximum: 0 percent  
Available water capacity: Very low (about 1.8 inches)

##### Interpretive Groups

Land capability (non irrigated): 7s

##### Typical Profile

0 to 10 inches: gravelly sand  
10 to 60 inches: gravelly sand

#### Minor Components

##### Columbo

Percent of map unit: 10 percent

##### Eckley

Percent of map unit: 3 percent

##### Otero

Percent of map unit: 2 percent