

State PC AB16-64-11NL  
State PC AB 16-65-14N

## Map Unit Description

Weld County, Colorado, Northern Part

T7N-R64W, 6<sup>th</sup> P.M., Weld County, CO  
Section 16 (NWSW)

55 Renohill fine sandy loam, 0 to 6 percent slopes

### Setting

Elevation: 3600 to 6200 feet  
Mean annual precipitation: 11 to 16 inches  
Mean annual air temperature: 46 to 48 degrees F  
Frost-free period: 100 to 160 days

### Composition

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

### Description of Renohill

#### Setting

Landform: Plains  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Calcareous, clayey loamy residuum weathered from shale

#### Properties and Qualities

Slope: 0 to 6 percent  
Depth to restrictive feature: 20 to 40 inches to Paralythic bedrock  
Drainage class: Well drained  
Capacity of the most limiting layer to transmit water (Ksat): Moderately low or moderately high (0.06 to 0.20 in/hr)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 15 percent  
Gypsum maximum: 0 percent  
Available water capacity: Low (about 5.4 inches)

#### Interpretive Groups

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

#### Typical Profile

0 to 5 inches: fine sandy loam  
5 to 18 inches: clay  
18 to 32 inches: clay loam  
32 to 36 inches: unweathered bedrock

### Minor Components

#### Shingle

Percent of map unit: 5 percent

#### Midway

Percent of map unit: 4 percent

#### Ulm

Percent of map unit: 3 percent

#### Other soils

Percent of map unit: 3 percent

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T7N-R64W, 6<sup>th</sup> P.M., Weld County, CO  
Sec. 16 (NW/4 SW/4)

## Map Unit Description

Weld County, Colorado, Northern Part

44 Olney fine sandy loam, 0 to 6 percent slopes

### Setting

Elevation: 3500 to 5800 feet  
Mean annual precipitation: 11 to 15 inches  
Mean annual air temperature: 46 to 54 degrees F  
Frost-free period: 125 to 175 days

### Composition

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

### Description of Olney

#### Setting

Landform: Plains  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Calcareous loamy alluvium

#### Properties and Qualities

Slope: 0 to 6 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: Moderate (about 8.1 inches)

#### Interpretive Groups

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

#### Typical Profile

0 to 6 inches: fine sandy loam  
6 to 18 inches: sandy clay loam  
18 to 60 inches: sandy loam  
60 to 64 inches: sandy loam

### Minor Components

#### Stoneham

Percent of map unit: 9 percent

#### Ascalon

Percent of map unit: 6 percent