

Coalview 602-63-1HN  
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T4N-R65W 6th p.m.  
Sec. 1: E2SE4  
Weld County, CO

## Weld County, Colorado, Southern Part

### 47—Olney fine sandy loam, 1 to 3 percent slopes

#### Map Unit Setting

*Elevation:* 4,600 to 5,200 feet  
*Mean annual precipitation:* 11 to 15 inches  
*Mean annual air temperature:* 46 to 54 degrees F  
*Frost-free period:* 125 to 175 days

#### Map Unit 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:* Mixed deposit outwash

##### Properties and qualities

*Slope:* 1 to 3 percent  
*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Well drained  
*Capacity of the most limiting layer to transmit water*  
*(Ksat):* Moderately high to high (0.57 to 2.00 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Calcium carbonate, maximum content:* 15 percent  
*Maximum salinity:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Available water capacity:* Moderate (about 7.0 inches)

##### Interpretive groups

*Farmland classification:* Prime farmland if irrigated and the product of  
I (soil erodibility) x C (climate factor) does not exceed 60  
*Land capability classification (irrigated):* 3e  
*Land capability (nonirrigated):* 4c  
*Hydrologic Soil Group:* B  
*Ecological site:* Sandy Plains (R067BY024CO)

##### Typical profile

*0 to 10 inches:* Fine sandy loam  
*10 to 20 inches:* Sandy clay loam  
*20 to 25 inches:* Sandy clay loam  
*25 to 60 inches:* Fine sandy loam

##### Minor Components

##### Zigweid

*Percent of map unit:* 10 percent

**Vona**

*Percent of map unit: 5 percent*

**Data Source Information**

Soil Survey Area: Weld County, Colorado, Southern Part

Survey Area Data: Version 12, Jan 3, 2014

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## Weld County, Colorado, Southern Part

### 57—Renohill clay loam, 3 to 9 percent slopes

#### Map Unit Setting

*Elevation:* 4,850 to 5,200 feet  
*Mean annual precipitation:* 11 to 16 inches  
*Mean annual air temperature:* 46 to 48 degrees F  
*Frost-free period:* 100 to 160 days

#### Map Unit Composition

*Renohill and similar soils:* 85 percent  
*Minor components:* 13 percent

#### Description of Renohill

##### Setting

*Landform:* Hills, ridges  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Parent material:* Residuum weathered from shale

##### Properties and qualities

*Slope:* 3 to 9 percent  
*Depth to restrictive feature:* 20 to 40 inches to paralithic bedrock  
*Drainage class:* Well drained  
*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 content:* 5 percent  
*Available water capacity:* Low (about 5.6 inches)

##### Interpretive groups

*Farmland classification:* Not prime farmland  
*Land capability classification (irrigated):* 4e  
*Land capability (nonirrigated):* 4e  
*Hydrologic Soil Group:* C  
*Ecological site:* Clayey Plains (R067BY042CO)

##### Typical profile

*0 to 9 inches:* Clay loam  
*9 to 32 inches:* Clay loam  
*32 to 36 inches:* Unweathered bedrock

#### Minor Components

##### Shingle

*Percent of map unit:* 8 percent

Ulm

*Percent of map unit: 5 percent*

## Data Source Information

Soil Survey Area: Weld County, Colorado, Southern Part

Survey Area Data: Version 12, Jan 3, 2014