

Jeanie AB10.01R  
T7N R 64W 6<sup>th</sup> P.M.  
Sec: 10 SE 1/4 NE 1/4

## Map Unit Description

Weld County, Colorado, Northern Part

### 36 Manzanola clay loam, 0 to 3 percent slopes

#### Setting

Elevation: 4400 to 5600 feet  
Mean annual precipitation: 11 to 15 inches  
Mean annual air temperature: 46 to 52 degrees F  
Frost-free period: 140 to 180 days

#### Composition

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

#### Description of Manzanola

##### Setting

Landform: Stream terraces, swales, plains  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Calcareous clayey alluvium

##### Properties and Qualities

Slope: 0 to 3 percent  
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: 5 percent  
Gypsum maximum: 3 percent  
Sodium adsorption ratio maximum: 15.0  
Available water capacity: High (about 9.6 inches)

##### Interpretive Groups

Land capability (non irrigated): 4e  
Ecological site: Clayey Plains (R067BY042CO)

##### Typical Profile

0 to 3 inches: clay loam  
3 to 25 inches: clay  
25 to 48 inches: clay  
48 to 60 inches: clay loam

#### Minor Components

##### Avar

Percent of map unit: 15 percent

JEANIE AB10-01R  
T7N R64W G4 P.M.  
Sec: 10 SE/4 NE/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

JEANIE AB10-01R  
T7N R64W 6th P.M.  
Sec:10 SE/4 NE/4

## Map Unit Description

Weld County, Colorado, Northern Part

### 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 Paralithic 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