

DEJONG USX AB 13-06P  
SENW 13-7N-64W

## 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

Dejong USX AB 13-06P  
T7N-R64W  
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## Map Unit Description

Weld County, Colorado, Northern Part

### 74 Vona sandy loam, 3 to 9 percent slopes

#### Setting

Elevation: 4000 to 5500 feet  
Mean annual precipitation: 13 to 15 inches  
Mean annual air temperature: 48 to 55 degrees F  
Frost-free period: 130 to 160 days

#### Composition

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

#### Description of Vona

##### Setting

Landform: Plains  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Calcareous sandy alluvium and/or eolian deposits

##### Properties and Qualities

Slope: 3 to 9 percent  
Drainage class: Well drained  
Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 6.00 in/hr)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 15 percent  
Gypsum maximum: 0 percent  
Available water capacity: Moderate (about 6.4 inches)

##### Interpretive Groups

Land capability (non irrigated): 6e  
Ecological site: Sandy Plains (R067BY024CO)

##### Typical Profile

0 to 6 inches: sandy loam  
6 to 15 inches: fine sandy loam, sandy loam  
15 to 60 inches: loamy sand

#### Minor Components

##### Remmit

Percent of map unit: 8 percent

##### Julesburg

Percent of map unit: 4 percent

##### Olney

Percent of map unit: 3 percent