

Map Unit Description

Weld County, Colorado, Northern Part

42 Olney loamy sand, 0 to 3 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: 90 percent
Minor components: 10 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 3 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.60 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: Sandy Plains (R067BY024CO)

Typical Profile

0 to 5 inches: loamy sand
5 to 34 inches: sandy clay loam
34 to 60 inches: sandy loam
60 to 64 inches: sandy loam

Minor Components

Ascalon

Percent of map unit: 5 percent

Stoneham

Percent of map unit: 5 percent