

Map Unit Description

Weld County, Colorado, Northern Part

29 Haverson loam, 0 to 3 percent slopes

Setting

Elevation: 3500 to 6000 feet
Mean annual precipitation: 12 to 17 inches
Mean annual air temperature: 46 to 54 degrees F
Frost-free period: 125 to 180 days

Composition

Haverson and similar soils: 90 percent
Minor components: 10 percent

Description of Haverson

Setting

Landform: Stream terraces, flood plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Stratified, 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 (0.57 to 2.00 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Gypsum maximum: 1 percent
Available water capacity: High (about 9.6 inches)

Interpretive Groups

Land capability (non irrigated): 4c
Ecological site: Overflow (R067BY036CO)
Other vegetative classification: OVERFLOW (067BY036CO)

Typical Profile

0 to 12 inches: loam
12 to 60 inches: stratified sandy loam to loam

Minor Components

Nunn

Percent of map unit: 6 percent

Fluvaquentic haplustolls

Percent of map unit: 4 percent
Landform: Terraces

Map Unit Description

Weld County, Colorado, Northern Part

45 Olney fine sandy loam, 6 to 9 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: 6 to 9 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): 6e
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: 5 percent

Vona

Percent of map unit: 5 percent

Ascalon

Percent of map unit: 5 percent