

Map Unit Description

Cheyenne County, Colorado

32 Olney sandy loam, 1 to 6 percent slopes

Setting

Elevation: 3500 to 4500 feet
Mean annual precipitation: 13 to 15 inches
Mean annual air temperature: 52 to 54 degrees F
Frost-free period: 100 to 150 days

Composition

Olney and similar soils: 80 percent
Minor components: 20 percent

Description of Olney

Setting

Landform: Hills, alluvial fans
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium and/or eolian deposits

Properties and Qualities

Slope: 1 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 7.0 inches)

Interpretive Groups

Land capability classification (irrigated): 3e
Land capability (non irrigated): 4e
Ecological site: Sandy Plains (R067BY024CO)

Typical Profile

0 to 4 inches: sandy loam
4 to 18 inches: sandy clay loam
18 to 23 inches: sandy loam
23 to 60 inches: sandy loam

Minor Components

Vona

Percent of map unit: 5 percent

Manzanola

Percent of map unit: 5 percent

Otero

Percent of map unit: 5 percent

Stoneham

Percent of map unit: 5 percent