

Adams County Area, Parts of Adams and Denver Counties, Colorado

PIC—Platner loam, 3 to 5 percent slopes

Map Unit Setting

National map unit symbol: 34wd
Elevation: 4,200 to 5,500 feet
Mean annual precipitation: 13 to 15 inches
Mean annual air temperature: 48 to 52 degrees F
Frost-free period: 135 to 155 days
Farmland classification: Prime farmland if irrigated

Map Unit Composition

Platner and similar soils: 80 percent
Minor components: 20 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Platner

Setting

Landform: Plains
Landform position (three-dimensional): Talf
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium derived from mixed

Typical profile

H1 - 0 to 9 inches: loam
H2 - 9 to 18 inches: clay
H3 - 18 to 49 inches: clay loam
H4 - 49 to 60 inches: sandy loam

Properties and qualities

Slope: 3 to 5 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat):
Moderately low to moderately high (0.06 to 0.20 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 15 percent
Available water storage in profile: High (about 10.2 inches)

Interpretive groups

Land capability classification (irrigated): 3e
Land capability classification (nonirrigated): 3e
Hydrologic Soil Group: C
Ecological site: Loamy plains (R067BY002CO)

Minor Components

Ascalon

Percent of map unit: 10 percent

Colby

Percent of map unit: 5 percent

Stoneham

Percent of map unit: 5 percent

Data Source Information

Soil Survey Area: Adams County Area, Parts of Adams and Denver Counties,
Colorado

Survey Area Data: Version 10, Dec 24, 2013