

Phillips County, Colorado

AsC—Ascalon sandy loam, 3 to 5 percent slopes

Map Unit Setting

National map unit symbol: 35m1

Mean annual precipitation: 17 to 20 inches

Frost-free period: 160 days

Farmland classification: Farmland of statewide importance

Map Unit Composition

Ascalon and similar soils: 90 percent

Minor components: 10 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Ascalon

Setting

Landform: Ridges

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Moderately coarse-textured eolian deposits

Typical profile

H1 - 0 to 10 inches: sandy loam

H2 - 10 to 19 inches: sandy clay loam

H3 - 19 to 27 inches: sandy clay loam

H4 - 27 to 60 inches: fine 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 high to high (0.57 to 2.00 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: Moderate (about 6.9 inches)

Interpretive groups

Land capability classification (irrigated): 3e

Land capability classification (nonirrigated): 3e

Hydrologic Soil Group: B

Ecological site: Sandy plains (R072XY023CO)

Minor Components

Other soils

Percent of map unit: 9 percent

Rock outcrop

Percent of map unit: 1 percent

Data Source Information

Soil Survey Area: Phillips County, Colorado

Survey Area Data: Version 8, Dec 23, 2013