

Cheyenne County, Colorado

17—Haverson loam, 0 to 1 percent slopes

Map Unit Setting

National map unit symbol: 3542

Elevation: 3,500 to 6,000 feet

Mean annual precipitation: 12 to 17 inches

Mean annual air temperature: 46 to 54 degrees F

Frost-free period: 125 to 180 days

Farmland classification: Prime farmland if irrigated and either protected from flooding or not frequently flooded during the growing season

Map Unit Composition

Haverson and similar soils: 80 percent

Minor components: 20 percent

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

Description of Haverson

Setting

Landform: Flood plains

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Alluvium

Typical profile

A - 0 to 14 inches: loam

C - 14 to 60 inches: stratified sand to clay loam

Properties and qualities

Slope: 0 to 1 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 (0.60 to 2.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: Occasional

Frequency of ponding: None

Calcium carbonate, maximum in profile: 15 percent

Gypsum, maximum in profile: 1 percent

Salinity, maximum in profile: Nonsaline to moderately saline (0.0 to 8.0 mmhos/cm)

Available water storage in profile: High (about 9.6 inches)

Interpretive groups

Land capability classification (irrigated): 2w

Land capability classification (nonirrigated): 4w

Hydrologic Soil Group: B

Ecological site: Sandy Bottomland (R067BY031CO)

Minor Components

Glenberg

Percent of map unit: 10 percent

Bankard

Percent of map unit: 10 percent

Data Source Information

Soil Survey Area: Cheyenne County, Colorado

Survey Area Data: Version 16, Oct 3, 2014