

Weld County, Colorado, Northern Part

60—Shingle clay loam, 0 to 9 percent slopes

Map Unit Setting

National map unit symbol: 360j

Elevation: 3,600 to 5,500 feet

Mean annual precipitation: 10 to 13 inches

Mean annual air temperature: 46 to 48 degrees F

Frost-free period: 110 to 140 days

Farmland classification: Not prime farmland

Map Unit Composition

Shingle and similar soils: 80 percent

Minor components: 20 percent

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

Description of Shingle

Setting

Landform: Breaks, ridges, plains

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Calcareous, clayey loamy residuum weathered from shale

Typical profile

H1 - 0 to 4 inches: clay loam

H2 - 4 to 11 inches: clay loam

H3 - 11 to 15 inches: unweathered bedrock

Properties and qualities

Slope: 0 to 9 percent

Depth to restrictive feature: 10 to 20 inches to paralithic bedrock

Natural drainage class: Well drained

Runoff class: Medium

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

Salinity, maximum in profile: Nonsaline (0.0 to 2.0 mmhos/cm)

Available water storage in profile: Very low (about 2.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 6s

Hydrologic Soil Group: D

Ecological site: Shaly plains (R067BY045CO)

Minor Components

Renohill

Percent of map unit: 10 percent

Thedalund

Percent of map unit: 5 percent

Keota

Percent of map unit: 5 percent

Data Source Information

Soil Survey Area: Weld County, Colorado, Northern Part

Survey Area Data: Version 10, Sep 23, 2014