

Weld County, Colorado, Northern Part

37—Midway clay loam, 0 to 9 percent slopes

Map Unit Setting

National map unit symbol: 35zp

Elevation: 3,500 to 6,000 feet

Mean annual precipitation: 10 to 17 inches

Mean annual air temperature: 46 to 52 degrees F

Frost-free period: 100 to 180 days

Farmland classification: Not prime farmland

Map Unit Composition

Midway and similar soils: 80 percent

Minor components: 20 percent

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

Description of Midway

Setting

Landform: Plains, breaks, ridges

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Calcareous clayey residuum weathered from shale

Typical profile

H1 - 0 to 3 inches: clay loam

H2 - 3 to 11 inches: clay

H3 - 11 to 15 inches: weathered bedrock

Properties and qualities

Slope: 0 to 9 percent

Depth to restrictive feature: 6 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

Gypsum, maximum in profile: 15 percent

Salinity, maximum in profile: Very slightly saline to moderately saline (2.0 to 8.0 mmhos/cm)

Sodium adsorption ratio, maximum in profile: 15.0

Available water storage in profile: Very low (about 1.9 inches)

Interpretive groups

Land capability classification (irrigated): 6e

Land capability classification (nonirrigated): 6e

Hydrologic Soil Group: D
Ecological site: Shaly Plains (R067BY045CO)
Hydric soil rating: No

Minor Components

Renohill

Percent of map unit: 9 percent
Hydric soil rating: No

Stoneham

Percent of map unit: 6 percent
Hydric soil rating: No

Terry

Percent of map unit: 5 percent
Hydric soil rating: No

Data Source Information

Soil Survey Area: Weld County, Colorado, Northern Part
Survey Area Data: Version 12, Oct 10, 2017