

Jackson County Area, Colorado

Wa—Walden sandy loam

Map Unit Setting

National map unit symbol: jq0y

Elevation: 7,900 to 8,200 feet

Mean annual precipitation: 9 to 12 inches

Mean annual air temperature: 36 to 38 degrees F

Frost-free period: 35 to 45 days

Farmland classification: Farmland of statewide importance

Map Unit Composition

Walden and similar soils: 90 percent

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

Description of Walden

Setting

Landform: Benches, terraces

Landform position (three-dimensional): Tread

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Calcareous alluvium

Typical profile

H1 - 0 to 10 inches: sandy loam

H2 - 10 to 35 inches: sandy clay loam, gravelly sandy clay loam

H2 - 10 to 35 inches: very gravelly loamy sand, very gravelly sand

H3 - 35 to 60 inches:

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Properties and qualities

Slope: 1 to 4 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Poorly drained

Runoff class: Low

Capacity of the most limiting layer to transmit water (Ksat):

Moderately high to high (0.20 to 2.00 in/hr)

Depth to water table: About 0 to 12 inches

Frequency of flooding: Frequent

Frequency of ponding: None

Calcium carbonate, maximum in profile: 40 percent

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

Sodium adsorption ratio, maximum in profile: 5.0

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

Interpretive groups

Land capability classification (irrigated): 6w

Land capability classification (nonirrigated): 6w

Hydrologic Soil Group: B/D
Hydric soil rating: Yes

Data Source Information

Soil Survey Area: Jackson County Area, Colorado
Survey Area Data: Version 7, Sep 22, 2014