

## 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:*

*H3 - 35 to 60 inches:*

##### 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