

Washington County, Colorado

30—Julesburg loamy sand, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 2tlpv

Elevation: 3,520 to 4,620 feet

Mean annual precipitation: 15 to 20 inches

Mean annual air temperature: 46 to 52 degrees F

Frost-free period: 144 to 163 days

Farmland classification: Farmland of statewide importance

Map Unit Composition

Julesburg and similar soils: 85 percent

Minor components: 15 percent

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

Description of Julesburg

Setting

Landform: Interfluves, terraces

Landform position (two-dimensional): Summit, shoulder

Landform position (three-dimensional): Interfluve, tread

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Wind reworked eolian sands

Typical profile

A - 0 to 5 inches: loamy sand

Bt1 - 5 to 10 inches: sandy loam

Bt2 - 10 to 31 inches: sandy loam

C1 - 31 to 46 inches: loamy sand

C2 - 46 to 80 inches: sand

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: Very low

Capacity of the most limiting layer to transmit water (Ksat): High
(2.00 to 6.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Maximum salinity: Nonsaline to very slightly saline (0.1 to 2.0 mmhos/cm)

Available water supply, 0 to 60 inches: Low (about 5.0 inches)

Interpretive groups

Land capability classification (irrigated): 3e

Land capability classification (nonirrigated): 3e

Hydrologic Soil Group: A
Ecological site: R072XY111KS - Sandy Plains
Hydric soil rating: No

Minor Components

Haxtun

Percent of map unit: 10 percent
Landform: Interfluves, drainageways
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Interfluve
Down-slope shape: Linear
Across-slope shape: Concave
Ecological site: R072XY111KS - Sandy Plains
Hydric soil rating: No

Manter

Percent of map unit: 5 percent
Landform: Hills
Landform position (two-dimensional): Footslope
Landform position (three-dimensional): Interfluve
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: R072XY111KS - Sandy Plains
Hydric soil rating: No

Data Source Information

Soil Survey Area: Washington County, Colorado
Survey Area Data: Version 23, Aug 31, 2021