

Washington County, Colorado

31—Julesburg loamy sand, 3 to 9 percent slopes

Map Unit Setting

National map unit symbol: 35v8

Elevation: 4,000 to 5,400 feet

Mean annual precipitation: 14 to 17 inches

Mean annual air temperature: 46 to 52 degrees F

Frost-free period: 130 to 150 days

Farmland classification: Not prime farmland

Map Unit Composition

Julesburg and similar soils: 70 percent

Minor components: 30 percent

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

Description of Julesburg

Setting

Landform: Plains

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Eolian sands

Typical profile

H1 - 0 to 10 inches: loamy sand

H2 - 10 to 18 inches: sandy loam

H3 - 18 to 30 inches: loamy sand

H4 - 30 to 60 inches: sand

Properties and qualities

Slope: 3 to 9 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Well drained

Runoff class: 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

Available water storage in profile: Low (about 4.6 inches)

Interpretive groups

Land capability classification (irrigated): 4e

Land capability classification (nonirrigated): 4e

Hydrologic Soil Group: A

Ecological site: Sandy Plains (R072XY023CO)

Hydric soil rating: No

Minor Components

Valent

Percent of map unit: 20 percent

Hydric soil rating: No

Manter

Percent of map unit: 10 percent

Hydric soil rating: No

Data Source Information

Soil Survey Area: Washington County, Colorado

Survey Area Data: Version 18, Sep 22, 2016