

Map Unit Description

Washington County, Colorado

42 Manter-Julesburg sandy loams, 2 to 5 percent slopes

Setting

Elevation: 4000 to 5400 feet
Mean annual precipitation: 14 to 17 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 130 to 155 days

Composition

Manter and similar soils: 50 percent
Julesburg and similar soils: 40 percent
Minor components: 10 percent

Description of Manter

Setting

Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Calcareous loamy eolian sands

Properties and Qualities

Slope: 2 to 5 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 6.00 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Gypsum maximum: 0 percent
Available water capacity: Moderate (about 7.1 inches)

Interpretive Groups

Land capability classification (irrigated): 3e
Land capability (non irrigated): 4e
Ecological site: Sandy Plains (R072XY023CO)

Typical Profile

0 to 7 inches: sandy loam
7 to 40 inches: fine sandy loam
40 to 60 inches: loamy fine sand

Description of Julesburg

Setting

Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Noncalcareous loamy eolian sands

Properties and Qualities

Slope: 2 to 5 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 0 percent
Gypsum maximum: 0 percent
Available water capacity: Low (about 5.9 inches)

Interpretive Groups

Land capability classification (irrigated): 3e
Land capability (non irrigated): 3e
Ecological site: Sandy Plains (R072XY023CO)

Typical Profile

0 to 7 inches: sandy loam
7 to 34 inches: sandy loam

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34 to 60 inches: loamy sand

Minor Components

Valent

Percent of map unit: 6 percent

Ascalon

Percent of map unit: 4 percent