

Weld County, Colorado, Northern Part

19—Bushman-Curabith-Canyon complex, 0 to 20 percent slopes

Map Unit Setting

Elevation: 3,000 to 6,000 feet
Mean annual precipitation: 11 to 19 inches
Mean annual air temperature: 45 to 55 degrees F
Frost-free period: 120 to 160 days

Map Unit Composition

Bushman and similar soils: 45 percent
Curabith and similar soils: 30 percent
Canyon and similar soils: 20 percent
Minor components: 5 percent

Description of Bushman

Setting

Landform: Knolls, breaks, ridges
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Calcareous loamy alluvium

Properties and qualities

Slope: 0 to 9 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
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
Calcium carbonate, maximum content: 15 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 4.0 mmhos/cm)
Available water capacity: Moderate (about 8.4 inches)

Interpretive groups

Land capability classification (irrigated): 6e
Land capability (nonirrigated): 6e
Ecological site: Sandy Plains (R067BY024CO)

Typical profile

0 to 6 inches: Fine sandy loam
6 to 60 inches: Sandy loam

Description of Curabith

Setting

Landform: Breaks, knolls, ridges
Down-slope shape: Linear
Across-slope shape: Linear

Parent material: Calcareous loamy alluvium

Properties and qualities

Slope: 0 to 20 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Capacity of the most limiting layer to transmit water

(Ksat): Moderately high to high (0.60 to 2.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 35 percent

Maximum salinity: Nonsaline (0.0 to 2.0 mmhos/cm)

Available water capacity: Low (about 4.7 inches)

Interpretive groups

Land capability classification (irrigated): 6e

Land capability (nonirrigated): 6e

Ecological site: Limestone Breaks (R067BY060CO)

Typical profile

0 to 10 inches: Loam

10 to 25 inches: Very channery sandy loam

25 to 42 inches: Channery sandy loam

42 to 60 inches: Very channery loamy sand

Description of Canyon

Setting

Landform: Breaks, knolls, ridges

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Calcareous loamy residuum weathered from sandstone

Properties and qualities

Slope: 2 to 9 percent

Depth to restrictive feature: 10 to 20 inches to paralithic bedrock

Drainage class: Well drained

Capacity of the most limiting layer to transmit water

(Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 15 percent

Maximum salinity: Nonsaline (0.0 to 2.0 mmhos/cm)

Available water capacity: Very low (about 1.7 inches)

Interpretive groups

Land capability classification (irrigated): 6s

Land capability (nonirrigated): 6s

Ecological site: Limestone Breaks (R067BY060CO)

Typical profile

0 to 3 inches: Gravelly loam

3 to 14 inches: Gravelly loam

14 to 60 inches: Bedrock

Minor Components

Ascalon

Percent of map unit: 3 percent

Nunn

Percent of map unit: 1 percent

Haverson

Percent of map unit: 1 percent

Data Source Information

Soil Survey Area: Weld County, Colorado, Northern Part

Survey Area Data: Version 8, Apr 30, 2009