

Arapahoe County, Colorado

BIB—Bijou sandy loam, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 34xw

Elevation: 4,400 to 6,000 feet

Mean annual precipitation: 14 inches

Mean annual air temperature: 46 to 52 degrees F

Frost-free period: 140 to 180 days

Farmland classification: Prime farmland if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60

Map Unit Composition

Bijou and similar soils: 85 percent

Minor components: 15 percent

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

Description of Bijou

Setting

Landform: Stream terraces, streams

Landform position (three-dimensional): Tread

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: From the dawson formation alluvium

Typical profile

H1 - 0 to 6 inches: sandy loam

H2 - 6 to 34 inches: coarse sandy loam, sandy loam

H2 - 6 to 34 inches: loamy coarse sand, loamy sand, sand

H3 - 34 to 60 inches:

H3 - 34 to 60 inches:

H3 - 34 to 60 inches:

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Natural 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

Calcium carbonate, maximum in profile: 5 percent

Available water storage in profile: High (about 11.4 inches)

Interpretive groups

Land capability classification (irrigated): 3e

Land capability classification (nonirrigated): 4e

Hydrologic Soil Group: A
Ecological site: Sandy Foothill (R049BY210CO)
Hydric soil rating: No

Minor Components

Bresser

Percent of map unit: 9 percent
Hydric soil rating: No

Blakeland

Percent of map unit: 6 percent
Hydric soil rating: No

Data Source Information

Soil Survey Area: Arapahoe County, Colorado
Survey Area Data: Version 12, Sep 22, 2016