

Fremont County Area, Colorado

5—Arents, 10 to 45 percent slopes

Map Unit Setting

National map unit symbol: jqjq

Elevation: 5,500 to 6,100 feet

Mean annual precipitation: 12 to 14 inches

Mean annual air temperature: 50 to 52 degrees F

Frost-free period: 130 to 150 days

Farmland classification: Not prime farmland

Map Unit Composition

Arents and similar soils: 100 percent

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

Description of Arents

Setting

Landform: Hills

Landform position (three-dimensional): Side slope

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Coil-mining spoil and/or overburden material

Typical profile

C1 - 0 to 11 inches: channery loam

C2 - 11 to 60 inches: channery sandy clay loam

Properties and qualities

Slope: 10 to 45 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Well drained

Runoff class: High

Capacity of the most limiting layer to transmit water (Ksat):

Moderately high to high (0.20 to 2.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum in profile: 1 percent

Salinity, maximum in profile: Nonsaline to slightly saline (0.0 to 4.0 mmhos/cm)

Available water storage in profile: Low (about 5.8 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: B

Data Source Information

Soil Survey Area: Fremont County Area, Colorado
Survey Area Data: Version 13, Sep 24, 2014

Fremont County Area, Colorado

121—Ustic Torriorthents-Sedillo complex, 15 to 40 percent slopes

Map Unit Setting

National map unit symbol: jqh3

Elevation: 5,800 to 6,700 feet

Mean annual precipitation: 13 to 15 inches

Mean annual air temperature: 48 to 52 degrees F

Frost-free period: 130 to 160 days

Farmland classification: Not prime farmland

Map Unit Composition

Ustic torriorthents and similar soils: 70 percent

Sedillo and similar soils: 20 percent

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

Description of Ustic Torriorthents

Setting

Landform: Hills, fan terraces

Landform position (three-dimensional): Side slope

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Colluvium derived from sedimentary rock and/or residuum weathered from sedimentary rock

Typical profile

A - 0 to 2 inches: very gravelly loam

C1 - 2 to 27 inches: gravelly clay loam

C2 - 27 to 42 inches: gravelly loam

Cr - 42 to 46 inches: weathered bedrock

Properties and qualities

Slope: 15 to 40 percent

Depth to restrictive feature: 15 to 60 inches to paralithic bedrock

Natural drainage class: Well drained

Runoff class: High

Capacity of the most limiting layer to transmit water (Ksat):

Moderately low to moderately high (0.06 to 0.60 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum in profile: 15 percent

Salinity, maximum in profile: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Available water storage in profile: Low (about 5.7 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: C

Description of Sedillo

Setting

Landform: Hills, fan terraces
Landform position (three-dimensional): Side slope
Down-slope shape: Linear
Across-slope shape: Linear

Typical profile

A - 0 to 4 inches: extremely cobbly loam
Bt - 4 to 10 inches: extremely cobbly sandy clay loam
Bk1 - 10 to 35 inches: extremely stony sandy clay loam, extremely stony loam
Bk1 - 10 to 35 inches: loam
2Bk2 - 35 to 42 inches: loam
2C - 42 to 60 inches:

Properties and qualities

Slope: 15 to 40 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Runoff class: High
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 in profile: 35 percent
Salinity, maximum in profile: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Available water storage in profile: Moderate (about 7.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: B

Data Source Information

Soil Survey Area: Fremont County Area, Colorado
Survey Area Data: Version 13, Sep 24, 2014

Fremont County Area, Colorado

122—Wages loam, 2 to 9 percent slopes

Map Unit Setting

National map unit symbol: jqh4

Elevation: 6,000 to 6,800 feet

Mean annual precipitation: 14 to 16 inches

Mean annual air temperature: 47 to 52 degrees F

Frost-free period: 120 to 150 days

Farmland classification: Not prime farmland

Map Unit Composition

Wages and similar soils: 90 percent

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

Description of Wages

Setting

Landform: Hills, fan terraces

Landform position (two-dimensional): Footslope

Landform position (three-dimensional): Base slope

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Alluvium and/or eolian deposits

Typical profile

A - 0 to 5 inches: loam

Bt - 5 to 21 inches: clay loam, sandy clay loam

Bt - 5 to 21 inches: loam, fine sandy loam, sandy clay loam

C - 21 to 60 inches:

C - 21 to 60 inches:

C - 21 to 60 inches:

Properties and qualities

Slope: 2 to 9 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Well drained

Runoff class: Medium

Capacity of the most limiting layer to transmit water (Ksat):

Moderately high to high (0.20 to 2.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum in profile: 15 percent

Available water storage in profile: Very high (about 22.9 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 4c

Hydrologic Soil Group: B

Ecological site: Loamy Foothill 11-14 Inches P.Z. (R049XD202CO)

Data Source Information

Soil Survey Area: Fremont County Area, Colorado

Survey Area Data: Version 13, Sep 24, 2014