

Rio Blanco County Area, Colorado

87—Starman-Vandamore complex, 5 to 40 percent slopes

Map Unit Setting

National map unit symbol: jp6m

Elevation: 7,500 to 8,900 feet

Mean annual precipitation: 18 to 22 inches

Mean annual air temperature: 37 to 39 degrees F

Frost-free period: 45 to 75 days

Farmland classification: Not prime farmland

Map Unit Composition

Starman and similar soils: 50 percent

Vandamore and similar soils: 40 percent

Minor components: 10 percent

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

Description of Starman

Setting

Landform: Ridges, ridges

Landform position (three-dimensional): Mountainflank

Down-slope shape: Linear, convex

Across-slope shape: Linear, convex

Parent material: Residuum weathered from shale

Typical profile

H1 - 0 to 2 inches: channery loam

H2 - 2 to 17 inches: very channery loam, extremely channery loam

H2 - 2 to 17 inches: unweathered bedrock

H3 - 17 to 21 inches:

Properties and qualities

Slope: 5 to 20 percent

Depth to restrictive feature: 3 to 20 inches to lithic 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 0.20 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

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

Available water storage in profile: Very low (about 2.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: D

Ecological site: Dry Exposure (R048AY235CO)
Hydric soil rating: No

Description of Vandamore

Setting

Landform: Ridges
Landform position (three-dimensional): Mountainflank
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Residuum weathered from shale

Typical profile

H1 - 0 to 4 inches: channery loam
H2 - 4 to 25 inches: very channery loam, extremely channery loam,
very channery fine sandy loam
H2 - 4 to 25 inches: unweathered bedrock
H2 - 4 to 25 inches:
H3 - 25 to 29 inches:

Properties and qualities

Slope: 5 to 40 percent
Depth to restrictive feature: 20 to 40 inches to lithic bedrock
Natural drainage class: Well drained
Runoff class: Very high
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 in profile: 10 percent
Available water storage in profile: Low (about 5.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: B
Ecological site: Dry Exposure (R048AY235CO)
Hydric soil rating: No

Minor Components

Other soils

Percent of map unit: 10 percent
Hydric soil rating: No

Data Source Information

Soil Survey Area: Rio Blanco County Area, Colorado
Survey Area Data: Version 13, Sep 10, 2018

Rio Blanco County Area, Colorado

96—Veatch channery loam, 12 to 50 percent slopes

Map Unit Setting

National map unit symbol: jp6y

Elevation: 6,500 to 7,500 feet

Mean annual precipitation: 16 to 20 inches

Mean annual air temperature: 39 to 42 degrees F

Frost-free period: 80 to 100 days

Farmland classification: Not prime farmland

Map Unit Composition

Veatch and similar soils: 85 percent

Minor components: 15 percent

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

Description of Veatch

Setting

Landform: Mountainsides

Landform position (three-dimensional): Mountainflank

Down-slope shape: Concave

Across-slope shape: Concave

Parent material: Colluvium derived from sedimentary rock

Typical profile

H1 - 0 to 8 inches: channery loam

H2 - 8 to 18 inches: channery loam, channery sandy loam

H2 - 8 to 18 inches: very channery sandy loam, extremely channery loam

H3 - 18 to 32 inches: unweathered bedrock

H3 - 18 to 32 inches:

H4 - 32 to 36 inches:

Properties and qualities

Slope: 12 to 50 percent

Depth to restrictive feature: 20 to 40 inches to lithic bedrock

Natural drainage class: Well drained

Runoff class: Very high

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 in profile: 5 percent

Available water storage in profile: Low (about 5.5 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: C
Ecological site: Loamy Slopes (R048AY303CO)
Hydric soil rating: No

Minor Components

Other soils

Percent of map unit: 15 percent
Hydric soil rating: No

Data Source Information

Soil Survey Area: Rio Blanco County Area, Colorado
Survey Area Data: Version 13, Sep 10, 2018