

Rio Blanco County Area, Colorado

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

Map Unit Setting

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

Map Unit Composition

Starman and similar soils: 50 percent

Vandamore and similar soils: 40 percent

Description of Starman

Setting

Landform: Ridges, ridges

Landform position (three-dimensional): Mountainflank

Down-slope shape: Convex, linear

Across-slope shape: Convex, linear

Parent material: Residuum weathered from shale

Typical profile

H1 - 0 to 5 inches: channery loam

H2 - 5 to 43 inches: very channery loam, extremely channery loam

H2 - 5 to 43 inches: unweathered bedrock

H3 - 43 to 53 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

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 (0.0 to 2.0 mmhos/cm)

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

Interpretive groups

Farmland classification: Not prime farmland

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: D

Ecological site: Dry Exposure (R048AY235CO)

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 10 inches: channery loam
H2 - 10 to 64 inches: very channery loam, very channery fine sandy loam, extremely channery loam
H2 - 10 to 64 inches: unweathered bedrock
H2 - 10 to 64 inches:
H3 - 64 to 74 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
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

Farmland classification: Not prime farmland
Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: B
Ecological site: Dry Exposure (R048AY235CO)

Data Source Information

Soil Survey Area: Rio Blanco County Area, Colorado
Survey Area Data: Version 9, Dec 23, 2013