# Rio Blanco County Area, Colorado

## 33—Forelle loam, 3 to 8 percent slopes

### Map Unit Setting

*National map unit symbol:* jp4q
*Elevation:* 5,800 to 7,200 feet
*Mean annual precipitation:* 15 to 18 inches
*Mean annual air temperature:* 42 to 45 degrees F
*Frost-free period:* 80 to 105 days
*Farmland classification:* Prime farmland if irrigated

### Map Unit Composition

*Forelle and similar soils:* 85 percent
*Minor components:* 15 percent
*Estimates are based on observations, descriptions, and transects of the mapunit.*

### Description of Forelle

#### Setting

*Landform:* Terraces
*Landform position (three-dimensional):* Tread
*Down-slope shape:* Linear
*Across-slope shape:* Linear
*Parent material:* Alluvium derived from sedimentary rock and/or eolian deposits

#### Typical profile

*H1 - 0 to 4 inches:* loam
*H2 - 4 to 21 inches:* clay loam
*H3 - 21 to 60 inches:* loam

#### Properties and qualities

*Slope:* 3 to 8 percent
*Depth to restrictive feature:* More than 80 inches
*Drainage class:* Well drained
*Runoff class:* Medium
*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:* 15 percent
*Maximum salinity:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
*Sodium adsorption ratio, maximum:* 5.0
*Available water supply, 0 to 60 inches:* High (about 10.1 inches)

#### Interpretive groups

*Land capability classification (irrigated):* 4e
*Land capability classification (nonirrigated):* 4e

*Hydrologic Soil Group:* B
*Ecological site:* R048AY306UT - Upland Loam (Wyoming Big Sagebrush)
*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 17, Sep 6, 2022

# Rio Blanco County Area, Colorado

## 48—Kobase silty clay loam, moist, 3 to 8 percent slopes

### Map Unit Setting

*National map unit symbol:* jp57
*Elevation:* 5,800 to 7,200 feet
*Mean annual precipitation:* 15 to 18 inches
*Mean annual air temperature:* 42 to 45 degrees F
*Frost-free period:* 85 to 105 days
*Farmland classification:* Prime farmland if irrigated

### Map Unit Composition

*Kobase, moist, and similar soils:* 85 percent
*Minor components:* 15 percent
*Estimates are based on observations, descriptions, and transects of the mapunit.*

### Description of Kobase, Moist

#### Setting

*Landform:* Valley floors, fans
*Landform position (three-dimensional):* Talf
*Down-slope shape:* Linear
*Across-slope shape:* Linear
*Parent material:* Calcareous alluvium derived from shale

#### Typical profile

*H1 - 0 to 12 inches:* silty clay loam
*H2 - 12 to 60 inches:* silty clay

#### Properties and qualities

*Slope:* 3 to 8 percent
*Depth to restrictive feature:* More than 80 inches
*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
*Calcium carbonate, maximum content:* 15 percent
*Gypsum, maximum content:* 5 percent
*Maximum salinity:* Nonsaline to slightly saline (0.0 to 4.0 mmhos/cm)
*Sodium adsorption ratio, maximum:* 13.0
*Available water supply, 0 to 60 inches:* High (about 9.8 inches)

#### Interpretive groups

*Land capability classification (irrigated):* 3e
*Land capability classification (nonirrigated):* 3e
*Hydrologic Soil Group:* C

*Ecological site:* R048AY247CO - Deep Clay Loam
*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 17, Sep 6, 2022

# Rio Blanco County Area, Colorado

## 53—Moyerson stony clay loam, 15 to 65 percent slopes

### Map Unit Setting

*National map unit symbol:* jp5f
*Elevation:* 5,600 to 7,300 feet
*Mean annual precipitation:* 13 to 16 inches
*Mean annual air temperature:* 42 to 45 degrees F
*Frost-free period:* 85 to 105 days
*Farmland classification:* Not prime farmland

### Map Unit Composition

*Moyerson and similar soils:* 90 percent
*Minor components:* 10 percent
*Estimates are based on observations, descriptions, and transects of the mapunit.*

### Description of Moyerson

#### Setting

*Landform:* Ridges, plateaus
*Down-slope shape:* Linear
*Across-slope shape:* Linear
*Parent material:* Residuum weathered from calcareous shale

#### Typical profile

*H1 - 0 to 2 inches:* stony clay loam
*H2 - 2 to 17 inches:* silty clay
*H3 - 17 to 21 inches:* weathered bedrock

#### Properties and qualities

*Slope:* 15 to 65 percent
*Depth to restrictive feature:* 10 to 20 inches to paralithic bedrock
*Drainage class:* Well drained
*Runoff class:* Very high
*Capacity of the most limiting layer to transmit water (Ksat):* Very low (0.00 in/hr)
*Depth to water table:* More than 80 inches
*Frequency of flooding:* None
*Frequency of ponding:* None
*Calcium carbonate, maximum content:* 15 percent
*Gypsum, maximum content:* 3 percent
*Maximum salinity:* Very slightly saline to slightly saline (2.0 to 4.0 mmhos/cm)
*Sodium adsorption ratio, maximum:* 10.0
*Available water supply, 0 to 60 inches:* Very low (about 2.7 inches)

#### Interpretive groups

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

*Ecological site:* R034AY246CO - Clayey Slopes
*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 17, Sep 6, 2022

# Rio Blanco County Area, Colorado

## 73—Rentsac channery loam, 5 to 50 percent slopes

### Map Unit Setting

*National map unit symbol:* jp64
*Elevation:* 6,000 to 7,600 feet
*Mean annual precipitation:* 14 to 18 inches
*Mean annual air temperature:* 42 to 45 degrees F
*Frost-free period:* 80 to 105 days
*Farmland classification:* Not prime farmland

### Map Unit Composition

*Rentsac and similar soils:* 80 percent
*Minor components:* 20 percent
*Estimates are based on observations, descriptions, and transects of the mapunit.*

### Description of Rentsac

#### Setting

*Landform:* Ridges
*Landform position (three-dimensional):* Upper third of mountainflank
*Down-slope shape:* Convex, linear
*Across-slope shape:* Convex, linear
*Parent material:* Residuum weathered from calcareous sandstone

#### Typical profile

*H1 - 0 to 5 inches:* channery loam
*H2 - 5 to 16 inches:* very channery loam
*H3 - 16 to 20 inches:* unweathered bedrock

#### Properties and qualities

*Slope:* 5 to 50 percent
*Depth to restrictive feature:* 10 to 20 inches to lithic bedrock
*Drainage class:* Well drained
*Runoff class:* Very high
*Capacity of the most limiting layer to transmit water (Ksat):* Very low (0.00 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 slightly saline (0.0 to 4.0 mmhos/cm)
*Available water supply, 0 to 60 inches:* Very low (about 1.2 inches)

#### Interpretive groups

*Land capability classification (irrigated):* None specified
*Land capability classification (nonirrigated):* 7e
*Hydrologic Soil Group:* D
*Ecological site:* F048AY448CO - Mountain Pinyon

*Hydric soil rating:* No

**Minor Components**

**Other soils**

*Percent of map unit:* 20 percent
*Hydric soil rating:* No

# Data Source Information

Soil Survey Area: Rio Blanco County Area, Colorado
Survey Area Data: Version 17, Sep 6, 2022

# Rio Blanco County Area, Colorado

## 74—Rentsac-Moyerson-Rock outcrop complex, 5 to 65 percent slopes

### Map Unit Setting

*National map unit symbol:* jp65
*Elevation:* 5,800 to 7,200 feet
*Mean annual precipitation:* 13 to 16 inches
*Mean annual air temperature:* 42 to 45 degrees F
*Frost-free period:* 75 to 105 days
*Farmland classification:* Not prime farmland

### Map Unit Composition

*Rentsac and similar soils:* 40 percent
*Moyerson and similar soils:* 25 percent
*Rock outcrop:* 20 percent
*Minor components:* 15 percent
*Estimates are based on observations, descriptions, and transects of the mapunit.*

### Description of Rentsac

#### Setting

*Landform:* Ridges
*Landform position (three-dimensional):* Upper third of mountainflank
*Down-slope shape:* Convex, linear
*Across-slope shape:* Convex, linear
*Parent material:* Residuum weathered from sandstone

#### Typical profile

*H1 - 0 to 5 inches:* channery loam
*H2 - 5 to 16 inches:* very channery loam
*H3 - 16 to 20 inches:* unweathered bedrock

#### Properties and qualities

*Slope:* 5 to 50 percent
*Depth to restrictive feature:* 10 to 20 inches to lithic bedrock
*Drainage class:* Well drained
*Runoff class:* Very high
*Capacity of the most limiting layer to transmit water (Ksat):* Very low (0.00 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 slightly saline (0.0 to 4.0 mmhos/cm)
*Available water supply, 0 to 60 inches:* Very low (about 1.2 inches)

#### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 7e
*Hydrologic Soil Group:* D
*Ecological site:* F048AY448CO - Mountain Pinyon
*Hydric soil rating:* No

### Description of Moyerson

#### Setting

*Landform:* Ridges
*Landform position (three-dimensional):* Upper third of mountainflank
*Down-slope shape:* Linear
*Across-slope shape:* Linear
*Parent material:* Residuum weathered from sandstone

#### Typical profile

*H1 - 0 to 2 inches:* stony loam
*H2 - 2 to 17 inches:* clay
*H3 - 17 to 21 inches:* weathered bedrock

#### Properties and qualities

*Slope:* 15 to 65 percent
*Depth to restrictive feature:* 10 to 20 inches to paralithic bedrock
*Drainage class:* Well drained
*Runoff class:* Very high
*Capacity of the most limiting layer to transmit water (Ksat):* Very low (0.00 in/hr)
*Depth to water table:* More than 80 inches
*Frequency of flooding:* None
*Frequency of ponding:* None
*Calcium carbonate, maximum content:* 15 percent
*Gypsum, maximum content:* 2 percent
*Maximum salinity:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
*Sodium adsorption ratio, maximum:* 2.0
*Available water supply, 0 to 60 inches:* Very low (about 2.4 inches)

#### Interpretive groups

*Land capability classification (irrigated):* None specified
*Land capability classification (nonirrigated):* 7e
*Hydrologic Soil Group:* D
*Ecological site:* R034AY246CO - Clayey Slopes
*Hydric soil rating:* No

### Description of Rock Outcrop

#### Typical profile

*H1 - 0 to 60 inches:* unweathered bedrock

#### Properties and qualities

*Slope:* 0 to 5 percent
*Depth to restrictive feature:* 0 to 4 inches to lithic bedrock
*Runoff class:* Medium
*Capacity of the most limiting layer to transmit water (Ksat):* Very low to moderately low (0.00 to 0.14 in/hr)

*Available water supply, 0 to 60 inches:* Very low (about 0.0 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified
*Land capability classification (nonirrigated):* 8s
*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 17, Sep 6, 2022