

Map Unit Description

Rio Blanco County Area, Colorado

48 Kobar silty clay loam, 3 to 8 percent slopes

Setting

Elevation: 5800 to 7200 feet
Mean annual precipitation: 15 to 18 inches
Mean annual air temperature: 42 to 45 degrees F
Frost-free period: 85 to 105 days

Composition

Kobar and similar soils: 85 percent
Minor components: 15 percent

Description of Kobar

Setting

Landform: Fans, valley floors
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Calcareous alluvium derived from shale

Properties and Qualities

Slope: 3 to 8 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low or moderately high (0.06 to 0.20 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Gypsum maximum: 5 percent
Sodium adsorption ratio maximum: 13.0
Available water capacity: High (about 9.8 inches)

Interpretive Groups

Land capability classification (irrigated): 3e
Land capability (non irrigated): 3e
Ecological site: Deep Clay Loam (R048AY247CO)

Typical Profile

0 to 12 inches: silty clay loam
12 to 60 inches: silty clay loam, silty clay, clay

Minor Components

Other soils

Percent of map unit: 15 percent

Map Unit Description

Rio Blanco County Area, Colorado

61 Patent loam, 3 to 8 percent slopes

Setting

Elevation: 5800 to 6800 feet
Mean annual precipitation: 15 to 17 inches
Mean annual air temperature: 42 to 45 degrees F
Frost-free period: 85 to 105 days

Composition

Patent and similar soils: 85 percent
Minor components: 15 percent

Description of Patent

Setting

Landform: Toes, fans
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium and/or colluvium and/or thin mantle eolian deposits

Properties and Qualities

Slope: 3 to 8 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.20 to 2.00 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 10 percent
Gypsum maximum: 0 percent
Available water capacity: High (about 10.0 inches)

Interpretive Groups

Land capability (non irrigated): 3e
Ecological site: Rolling Loam (R048AY298CO)

Typical Profile

0 to 10 inches: loam
10 to 60 inches: loam, clay loam, very fine sandy loam

Minor Components

Other soils

Percent of map unit: 15 percent

Map Unit Description

Rio Blanco County Area, Colorado

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

Setting

Landscape: Foothills
Elevation: 5800 to 7200 feet
Mean annual precipitation: 13 to 16 inches
Mean annual air temperature: 42 to 45 degrees F
Frost-free period: 75 to 105 days

Composition

Rentsac and similar soils: 40 percent
Moyerson and similar soils: 25 percent
Rock outcrop: 20 percent
Minor components: 15 percent

Description of Rentsac

Setting

Landform: Ridges
Down-slope shape: Convex, linear
Across-slope shape: Convex, linear
Parent material: Residuum weathered from sandstone

Properties and Qualities

Slope: 5 to 50 percent
Depth to restrictive feature: 10 to 20 inches to Lithic bedrock
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Very low (0.00 to 0.00 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Gypsum maximum: 0 percent
Available water capacity: Very low (about 1.2 inches)

Interpretive Groups

Land capability (non irrigated): 7e

Typical Profile

0 to 5 inches: channery loam
5 to 16 inches: extremely channery loam, extremely gravelly sandy loam, very flaggy loam
16 to 20 inches: unweathered bedrock

Description of Moyerson

Setting

Landform: Ridges
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Residuum weathered from sandstone

Properties and Qualities

Slope: 15 to 65 percent
Depth to restrictive feature: 10 to 20 inches to Paralithic bedrock
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Very low (0.00 to 0.00 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Gypsum maximum: 2 percent
Sodium adsorption ratio maximum: 2.0
Available water capacity: Very low (about 2.4 inches)

Interpretive Groups

Land capability (non irrigated): 7e
Ecological site: Clayey Slopes (R048AY246CO)

Typical Profile

Map Unit Description

Rio Blanco County Area, Colorado

0 to 2 inches: stony loam
2 to 17 inches: clay loam, clay, silty clay
17 to 21 inches: weathered bedrock

Description of Rock outcrop

Properties and Qualities

Slope: 0 to 5 percent

Depth to restrictive feature: 0 to 4 inches to Lithic bedrock

Capacity of the most limiting layer to transmit water (Ksat): Very low or moderately low (0.00 to 0.14 in/hr)

Frequency of flooding: None

Frequency of ponding: None

Available water capacity: Very low (about 0.0 inches)

Interpretive Groups

Land capability (non irrigated): 8s

Typical Profile

0 to 60 inches: unweathered bedrock

Minor Components

Other soils

Percent of map unit: 15 percent