Map Unit Description

Rifle Area, Colorado, Parts of Garfield and Mesa Counties

40 Kim loam, 3 to 6 percent slopes

Setting

Elevation: 5000 to 6000 feet

Composition

Kim and similar soils: 85 percent

Description of Kim

Setting

Landform: Benches, alluvial fans
Down-slope shape: Convex, linear
Across-slope shape: Convex, linear
Parent material: Alluvium derived from sandstone and shale

Properties and Qualities

Slope: 3 to 6 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.60 to 6.00 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Gypsum maximum: 0 percent
Available water capacity: High (about 9.6 inches)

Interpretive Groups

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

Typical Profile

0 to 17 inches: loam
17 to 60 inches: loam

Map Unit Description

Rifle Area, Colorado, Parts of Garfield and Mesa Counties

57 Potts-Ildefonso complex, 3 to 12 percent slopes

Setting

Elevation: 5000 to 6500 feet

Composition

Potts and similar soils: 60 percent
Ildefonso and similar soils: 30 percent

Description of Potts

Setting

Landform: Valley sides, mesas
Down-slope shape: Convex, linear
Across-slope shape: Convex, linear
Parent material: Alluvium derived from basalt and/or alluvium derived from sandstone and shale

Properties and Qualities

Slope: 3 to 12 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Gypsum maximum: 0 percent
Available water capacity: High (about 10.3 inches)

Interpretive Groups

Land capability (non irrigated): 4e
Ecological site: Rolling Loam (R048AY298CO)

Typical Profile

0 to 4 inches: loam
4 to 28 inches: clay loam
28 to 60 inches: loam

Description of Ildefonso

Setting

Landform: Mesas, valley sides
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Alluvium derived from basalt and/or alluvium derived from sandstone and shale

Properties and Qualities

Slope: 6 to 12 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.60 to 6.00 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 35 percent
Gypsum maximum: 0 percent
Available water capacity: Low (about 5.1 inches)

Interpretive Groups

Land capability (non irrigated): 6e

Typical Profile

0 to 8 inches: stony loam
8 to 60 inches: very stony loam