

Map Unit Description

Weld County, Colorado, Northern Part

26 Eckley-Dix-Blakeland complex, 6 to 20 percent slopes

Setting

Elevation: 4200 to 6200 feet
Mean annual precipitation: 14 to 19 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 120 to 160 days

Composition

Eckley and similar soils: 35 percent
Dix and similar soils: 25 percent
Blakeland and similar soils: 20 percent
Minor components: 20 percent

Description of Eckley

Setting

Landform: Breaks, ridges
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Gravelly alluvium

Properties and Qualities

Slope: 6 to 20 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: 5 percent
Gypsum maximum: 0 percent
Available water capacity: Low (about 4.5 inches)

Interpretive Groups

Land capability (non irrigated): 6e
Ecological site: Gravel Breaks (R067BY063CO)

Typical Profile

0 to 8 inches: sandy clay loam
8 to 14 inches: gravelly sandy clay loam, sandy clay loam
14 to 60 inches: gravelly sand, very gravelly sand

Description of Dix

Setting

Landform: Breaks, ridges
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Gravelly alluvium

Properties and Qualities

Slope: 6 to 20 percent
Drainage class: Excessively drained
Capacity of the most limiting layer to transmit water (Ksat): High or very high (5.95 to 19.98 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 0 percent
Gypsum maximum: 0 percent
Available water capacity: Very low (about 2.6 inches)

Interpretive Groups

Land capability (non irrigated): 6s
Ecological site: Gravel Breaks (R067BY063CO)

Typical Profile

0 to 12 inches: gravelly loamy sand
12 to 24 inches: very gravelly sand
24 to 37 inches: very gravelly coarse sand

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37 to 60 inches: gravelly sand

Description of Blakeland

Setting

Landform: Breaks, ridges
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Arkosic sandy alluvium and/or arkosic sandy colluvium

Properties and Qualities

Slope: 6 to 20 percent
Drainage class: Somewhat excessively drained
Capacity of the most limiting layer to transmit water (Ksat): High or very high (5.95 to 19.98 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 5 percent
Gypsum maximum: 0 percent
Available water capacity: Low (about 4.3 inches)

Interpretive Groups

Land capability classification (irrigated): 6e
Land capability (non irrigated): 6e
Ecological site: Deep Sand (R067BY015CO)

Typical Profile

0 to 12 inches: loamy sand
12 to 60 inches: loamy sand

Minor Components

Manter

Percent of map unit: 8 percent

Ascalon

Percent of map unit: 7 percent

Bresser

Percent of map unit: 5 percent