

Weld County, Colorado, Northern Part

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

Map Unit Setting

National map unit symbol: 35z9
Elevation: 4,200 to 6,200 feet
Mean annual precipitation: 14 to 19 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 120 to 160 days
Farmland classification: Not prime farmland

Map Unit Composition

Eckley and similar soils: 35 percent
Dix and similar soils: 25 percent
Blakeland and similar soils: 20 percent
Minor components: 20 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Eckley

Setting

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

Typical profile

H1 - 0 to 8 inches: sandy clay loam
H2 - 8 to 14 inches: gravelly sandy clay loam, sandy clay loam
H2 - 8 to 14 inches: gravelly sand, very gravelly sand
H3 - 14 to 60 inches:
H3 - 14 to 60 inches:

Properties and qualities

Slope: 6 to 20 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat):
Moderately high to high (0.20 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 5 percent
Available water storage in profile: Moderate (about 7.7 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 6e
Hydrologic Soil Group: B

Ecological site: Gravel breaks (R067BY063CO)

Description of Dix

Setting

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

Typical profile

H1 - 0 to 12 inches: gravelly loamy sand
H2 - 12 to 24 inches: very gravelly sand
H3 - 24 to 37 inches: very gravelly coarse sand
H4 - 37 to 60 inches: gravelly sand

Properties and qualities

Slope: 6 to 20 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Excessively drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): High to very high (5.95 to 19.98 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: Very low (about 2.6 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 6s
Hydrologic Soil Group: A
Ecological site: Gravel breaks (R067BY063CO)

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

Typical profile

H1 - 0 to 12 inches: loamy sand
H2 - 12 to 60 inches: loamy sand

Properties and qualities

Slope: 6 to 20 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Somewhat excessively drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): High to very high (5.95 to 19.98 in/hr)
Depth to water table: More than 80 inches

Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 5 percent
Available water storage in profile: Low (about 4.3 inches)

Interpretive groups

Land capability classification (irrigated): 6e
Land capability classification (nonirrigated): 6e
Hydrologic Soil Group: A
Ecological site: Deep sand (R067BY015CO)

Minor Components

Manter

Percent of map unit: 8 percent

Ascalon

Percent of map unit: 7 percent

Bresser

Percent of map unit: 5 percent

Data Source Information

Soil Survey Area: Weld County, Colorado, Northern Part

Survey Area Data: Version 10, Sep 23, 2014