

# 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

# Map Unit Description

Weld County, Colorado, Northern Part

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