

# Map Unit Description

Weld County, Colorado, Northern Part

52 Peetz-Altvan complex, 0 to 20 percent slopes

## Setting

Elevation: 3500 to 6500 feet  
Mean annual precipitation: 14 to 19 inches  
Mean annual air temperature: 46 to 50 degrees F  
Frost-free period: 120 to 150 days

## Composition

Peetz and similar soils: 40 percent  
Altvan and similar soils: 35 percent  
Minor components: 25 percent

## Description of Peetz

### Setting

Landform: Plains, breaks, ridges  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Calcareous gravelly alluvium

### Properties and Qualities

Slope: 0 to 20 percent  
Drainage class: Somewhat excessively drained  
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 20 percent  
Gypsum maximum: 0 percent  
Available water capacity: Low (about 3.1 inches)

### Interpretive Groups

Land capability classification (irrigated): 6e  
Land capability (non irrigated): 6e  
Ecological site: Sandstone Breaks (R067BY056CO)

### Typical Profile

0 to 4 inches: gravelly sandy loam  
4 to 60 inches: very gravelly sand

## Description of Altvan

### Setting

Landform: Breaks, plains, ridges  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Calcareous, gravelly alluvium

### Properties and Qualities

Slope: 0 to 15 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 4.9 inches)

### Interpretive Groups

Land capability classification (irrigated): 6e  
Land capability (non irrigated): 6e  
Ecological site: Loamy Plains (R067BY002CO)

### Typical Profile

0 to 3 inches: fine sandy loam  
3 to 19 inches: sandy clay loam  
19 to 60 inches: gravelly coarse sand

# Map Unit Description

Weld County, Colorado, Northern Part

## Minor Components

Bushman

Percent of map unit: 15 percent

Otero

Percent of map unit: 5 percent

Paoli

Percent of map unit: 5 percent

# Map Unit Description

Weld County, Colorado, Northern Part

18 Bushman fine sandy loam, 3 to 9 percent slopes

## Setting

Elevation: 5000 to 6000 feet  
Mean annual precipitation: 11 to 15 inches  
Mean annual air temperature: 45 to 46 degrees F  
Frost-free period: 130 to 160 days

## Composition

Bushman and similar soils: 90 percent  
Minor components: 10 percent

## Description of Bushman

### Setting

Landform: Fans, alluvial fans  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Calcareous loamy alluvium and/or colluvium

### Properties and Qualities

Slope: 3 to 9 percent  
Drainage class: Well drained  
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 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: Moderate (about 8.4 inches)

### Interpretive Groups

Land capability classification (irrigated): 4e  
Land capability (non irrigated): 6e  
Ecological site: Sandy Plains (R067BY024CO)

### Typical Profile

0 to 6 inches: fine sandy loam  
6 to 60 inches: sandy loam

## Minor Components

### Wages

Percent of map unit: 6 percent

### Cushman

Percent of map unit: 4 percent

# Map Unit Description

Weld County, Colorado, Northern Part

29 Haverson loam, 0 to 3 percent slopes

## Setting

Elevation: 3500 to 6000 feet  
Mean annual precipitation: 12 to 17 inches  
Mean annual air temperature: 46 to 54 degrees F  
Frost-free period: 125 to 180 days

## Composition

Haverson and similar soils: 90 percent  
Minor components: 10 percent

## Description of Haverson

### Setting

Landform: Stream terraces, flood plains  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Stratified, calcareous loamy alluvium

### Properties and Qualities

Slope: 0 to 3 percent  
Drainage class: Well drained  
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.57 to 2.00 in/hr)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 15 percent  
Gypsum maximum: 1 percent  
Available water capacity: High (about 9.6 inches)

### Interpretive Groups

Land capability (non irrigated): 4c  
Ecological site: Overflow (R067BY036CO)  
Other vegetative classification: OVERFLOW (067BY036CO)

### Typical Profile

0 to 12 inches: loam  
12 to 60 inches: stratified sandy loam to loam

## Minor Components

### Nunn

Percent of map unit: 6 percent

### Fluvaquentic haplustolls

Percent of map unit: 4 percent  
Landform: Terraces