

Map Unit Description

Weld County, Colorado, Northern Part

49 Paoli fine sandy loam, 0 to 6 percent slopes

Setting

Elevation: 3500 to 6500 feet
Mean annual precipitation: 13 to 17 inches
Mean annual air temperature: 46 to 48 degrees F
Frost-free period: 130 to 150 days

Composition

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

Description of Paoli

Setting

Landform: Alluvial fans
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Calcareous loamy alluvium

Properties and Qualities

Slope: 0 to 6 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: High (about 9.1 inches)

Interpretive Groups

Land capability classification (irrigated): 3e
Land capability (non irrigated): 3e
Ecological site: Sandy Plains (R067BY024CO)

Typical Profile

0 to 15 inches: fine sandy loam
15 to 45 inches: sandy loam
45 to 60 inches: sandy loam

Minor Components

Haverson

Percent of map unit: 8 percent

Fluvaquentic haplustolls

Percent of map unit: 2 percent
Landform: Terraces

Rangeland Productivity and Plant Composition

Weld County, Colorado, Northern Part

| Map symbol and soil name | Ecological site | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|-----------------------------|-----------------|-----------------------------|----------------|---------------------|---------------------------|--------------------------|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | <i>Lb/Ac</i> | <i>Lb/Ac</i> | <i>Lb/Ac</i> | | <i>Pct</i> |
| 49: | | | | | | |
| Paoli | Sandy Plains | 3,000 | 2,000 | 1,500 | Prairie sandreed | 15 |
| | | | | | Western wheatgrass | 10 |
| | | | | | Fourwing saltbush | 5 |
| | | | | | Green needlegrass | 5 |
| | | | | | Sideoats grama | 5 |
| | | | | | Switchgrass | 5 |
| | | | | | Winterfat | 5 |