

Weld County, Colorado, Northern Part

51—Peetz gravelly sandy loam, 5 to 20 percent slopes

Map Unit Setting

National map unit symbol: 3606
Elevation: 3,500 to 6,500 feet
Mean annual precipitation: 15 to 19 inches
Mean annual air temperature: 48 to 50 degrees F
Frost-free period: 120 to 150 days
Farmland classification: Not prime farmland

Map Unit Composition

Peetz and similar soils: 80 percent
Minor components: 20 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Peetz

Setting

Landform: Breaks, ridges
Landform position (two-dimensional): Backslope, shoulder
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Calcareous gravelly alluvium

Typical profile

H1 - 0 to 4 inches: gravelly sandy loam
H2 - 4 to 60 inches: very gravelly sand

Properties and qualities

Slope: 5 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 (2.00 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 20 percent
Available water storage in profile: Low (about 3.1 inches)

Interpretive groups

Land capability classification (irrigated): 6e
Land capability classification (nonirrigated): 6e
Hydrologic Soil Group: A
Ecological site: Gravel Breaks (R067BY063CO)

Minor Components

Wages

Percent of map unit: 10 percent

Altvan

Percent of map unit: 5 percent

Ascalon

Percent of map unit: 3 percent

Bushman

Percent of map unit: 2 percent

Data Source Information

Soil Survey Area: Weld County, Colorado, Northern Part

Survey Area Data: Version 10, Sep 23, 2014