

Map Unit Description

Douglas-Plateau Area, Colorado, Parts of Garfield and Mesa Counties

54 Panitchen loam, 1 to 6 percent slopes

Setting

Elevation: 4800 to 5800 feet
Mean annual precipitation: 12 to 16 inches
Mean annual air temperature: 48 to 52 degrees F
Frost-free period: 95 to 130 days

Composition

Panitchen and similar soils: 85 percent

Description of Panitchen

Setting

Landform: Flood plains, terraces
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Mixed material alluvium

Properties and Qualities

Slope: 1 to 6 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Gypsum maximum: 0 percent
Salinity maximum: Very slightly saline or slightly saline (4.0 to 8.0 mmhos/cm)
Sodium adsorption ratio maximum: 5.0
Available water capacity: Moderate (about 8.3 inches)

Interpretive Groups

Land capability classification (irrigated): 3e
Land capability (non irrigated): 4c
Ecological site: Foothill Swale (R034XY285CO)

Typical Profile

0 to 7 inches: loam
7 to 29 inches: stratified gravelly loam to gravelly clay loam
29 to 60 inches: stratified sandy loam to loam