

Map Unit Description

Fremont County Area, Colorado

105 Shanta loam, dry, 0 to 3 percent slopes

Setting

Elevation: 5000 to 5300 feet
Mean annual precipitation: 11 to 12 inches
Mean annual air temperature: 50 to 53 degrees F
Frost-free period: 140 to 165 days

Composition

Shanta, dry, and similar soils: 85 percent
Minor components: 15 percent

Description of Shanta, dry

Setting

Landform: Stream terraces
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: 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 (0.20 to 2.00 in/hr)
Frequency of flooding: Rare
Frequency of ponding: None
Calcium carbonate maximum: 10 percent
Gypsum maximum: 0 percent
Available water capacity: High (about 9.3 inches)

Interpretive Groups

Land capability classification (irrigated): 2e
Land capability (non irrigated): 6c
Ecological site: Saline Overflow (R069XY037CO)

Typical Profile

0 to 27 inches: loam
27 to 60 inches: stratified loam to silty clay loam

Minor Components

Very poorly drained soils

Percent of map unit: 5 percent
Landform: Flood-plain steps

Poorly drained soils

Percent of map unit: 5 percent
Landform: Flood-plain steps

Sandy loam soils

Percent of map unit: 5 percent