Cortez Area, Colorado, Parts of Dolores and Montezuma Counties

144—Wetherill loam, 3 to 6 percent slopes

Map Unit Setting

Elevation: 6,200 to 7,400 feet
Mean annual precipitation: 13 to 16 inches
Mean annual air temperature: 46 to 50 degrees F
Frost-free period: 100 to 120 days

Map Unit Composition

Wetherill and similar soils: 85 percent
Minor components: 15 percent

Description of Wetherill

Setting

Landform: Hills, mesas
Landform position (three-dimensional): Base slope, side slope
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Eolian deposits derived from sandstone

Properties and qualities

Slope: 3 to 6 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 30 percent
Maximum salinity: Nonsaline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 4.0
Available water capacity: High (about 11.0 inches)

Interpretive groups

Farmland classification: Prime farmland if irrigated
Land capability classification (irrigated): 3e
Land capability (nonirrigated): 3e
Hydrologic Soil Group: C
Ecological site: Loamy Foothills (R036XY284CO)

Typical profile

0 to 3 inches: Loam
3 to 7 inches: Loam
7 to 48 inches: Clay loam
48 to 60 inches: Loam

Minor Components

Pulpit

Percent of map unit: 5 percent

Sharps
Percent of map unit: 5 percent

Aquents
Percent of map unit: 3 percent
Landform: Drainageways

Ackmen
Percent of map unit: 2 percent

145—Wetherill loam, 6 to 12 percent slopes

Map Unit Setting
Elevation: 6,200 to 7,400 feet
Mean annual precipitation: 13 to 16 inches
Mean annual air temperature: 46 to 50 degrees F
Frost-free period: 100 to 120 days

Map Unit Composition
Wetherill and similar soils: 80 percent
Minor components: 20 percent

Description of Wetherill

Setting
Landform: Hills, mesas
Landform position (three-dimensional): Base slope, side slope, crest
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Eolian deposits derived from sandstone

Properties and qualities
Slope: 6 to 12 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 30 percent
Maximum salinity: Nonsaline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 4.0
Available water capacity: High (about 11.0 inches)

Interpretive groups
Farmland classification: Not prime farmland
Land capability classification (irrigated): 4e
Land capability (nonirrigated): 4e
Hydrologic Soil Group: C
Ecological site: Loamy Foothills (R036XY284CO)

Typical profile

0 to 3 inches: Loam
3 to 7 inches: Loam
7 to 48 inches: Clay loam
48 to 60 inches: Loam

Minor Components

Sharps

Percent of map unit: 10 percent

Pulpit

Percent of map unit: 5 percent

Ackmen

Percent of map unit: 4 percent

Aquents

Percent of map unit: 1 percent
Landform: Drainageways