

Cortez Area, Colorado, Parts of Dolores and Montezuma Counties

144—Wetherill loam, 3 to 6 percent slopes MLRA 36

Map Unit Setting

National map unit symbol: 2tkxc
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
Farmland classification: Prime farmland if irrigated

Map Unit Composition

Wetherill and similar soils: 85 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Wetherill

Setting

Landform: Mesas
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Eolian deposits derived from sandstone

Typical profile

A - 0 to 3 inches: loam
Bt - 3 to 7 inches: loam
Btk1 - 7 to 48 inches: loam
Btk2 - 48 to 60 inches: loam

Properties and qualities

Slope: 3 to 6 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high
(0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 30 percent
Salinity, maximum in profile: Nonsaline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum in profile: 4.0
Available water storage in profile: High (about 9.1 inches)

Interpretive groups

Land capability classification (irrigated): 3e
Land capability classification (nonirrigated): 3e
Hydrologic Soil Group: B
Ecological site: Loamy foothills (R036XY284CO)

145—Wetherill loam, 6 to 12 percent slopes

Map Unit Setting

National map unit symbol: 1xxx
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
Farmland classification: Not prime farmland

Map Unit Composition

Wetherill and similar soils: 80 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

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

Typical profile

H1 - 0 to 3 inches: loam
H2 - 3 to 7 inches: loam
H3 - 7 to 48 inches: clay loam
H4 - 48 to 60 inches: loam

Properties and qualities

Slope: 6 to 12 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Runoff class: High
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 in profile: 30 percent
Salinity, maximum in profile: Nonsaline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum in profile: 4.0
Available water storage in profile: High (about 11.0 inches)

Interpretive groups

Land capability classification (irrigated): 4e
Land capability classification (nonirrigated): 4e
Hydrologic Soil Group: C
Ecological site: Loamy foothills (R036XY284CO)

Custom Soil Resource Report