

Cortez Area, Colorado, Parts of Dolores and Montezuma Counties

143—Wetherill loam, 1 to 3 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: 90 percent

Minor components: 10 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

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: 1 to 3 percent

Depth to restrictive feature: More than 80 inches

Natural 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 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

Farmland classification: Prime farmland if irrigated

Land capability classification (irrigated): 3c

Land capability classification (nonirrigated): 3c

Hydrologic Soil Group: C

Ecological site: Loamy Foothills (R036XY284CO)

Minor Components

Pulpit

Percent of map unit: 5 percent

Custom Soil Resource Report

Sharps

Percent of map unit: 4 percent

Aquents

Percent of map unit: 1 percent

Landform: Drainageways