

Archuleta County Area, Colorado

R6-B—Wetherill loam, 1 to 3 percent slopes

Map Unit Setting

National map unit symbol: ss2c
Elevation: 6,100 to 7,500 feet
Mean annual precipitation: 13 to 16 inches
Mean annual air temperature: 45 to 50 degrees F
Frost-free period: 110 to 130 days
Farmland classification: Prime farmland if irrigated

Map Unit Composition

Wetherill and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Wetherill

Setting

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

Typical profile

A - 0 to 5 inches: loam
BA - 5 to 8 inches: silty clay loam
Bt - 8 to 16 inches: silty clay loam
Btk - 16 to 45 inches: silty clay loam
Bk - 45 to 60 inches: silty clay loam

Properties and qualities

Slope: 1 to 3 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 to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum in profile: 4.0
Available water storage in profile: High (about 10.8 inches)

Interpretive groups

Land capability classification (irrigated): 3e

Land capability classification (nonirrigated): 3e
Hydrologic Soil Group: C
Ecological site: Loamy Foothills (R036XY284CO)
Hydric soil rating: No

Minor Components

Soils moderately deep over sandstone

Percent of map unit: 10 percent
Landform: Mesas
Landform position (three-dimensional): Head slope
Ecological site: Loamy Foothills (R036XY284CO)
Hydric soil rating: No

Soils moderately deep over gravel

Percent of map unit: 5 percent
Landform: Mesas
Landform position (three-dimensional): Head slope
Ecological site: Loamy Foothills (R036XY284CO)
Hydric soil rating: No

Data Source Information

Soil Survey Area: Archuleta County Area, Colorado
Survey Area Data: Version 9, Sep 28, 2015