

Archuleta County Area, Colorado

A0-B—Steimer loam, 1 to 3 percent slopes

Map Unit Setting

National map unit symbol: jvj4

Elevation: 6,000 to 6,500 feet

Mean annual precipitation: 13 to 15 inches

Mean annual air temperature: 48 to 50 degrees F

Frost-free period: 120 to 130 days

Farmland classification: Prime farmland if irrigated and either protected from flooding or not frequently flooded during the growing season

Map Unit Composition

Steimer and similar soils: 85 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Steimer

Setting

Landform: Flood-plain steps

Landform position (three-dimensional): Tread

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Alluvium derived from mixed sources

Typical profile

A1 - 0 to 8 inches: loam

A2 - 8 to 12 inches: very fine sandy loam

Bw - 12 to 23 inches: loam

C1 - 23 to 50 inches: stratified loam to very fine sandy loam to clay loam

2C2 - 50 to 70 inches: stratified extremely gravelly loamy sand

Properties and qualities

Slope: 1 to 3 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Somewhat poorly drained

Runoff class: Low

Capacity of the most limiting layer to transmit water (Ksat):

Moderately high to high (0.20 to 2.00 in/hr)

Depth to water table: About 24 to 36 inches

Frequency of flooding: Rare

Frequency of ponding: None

Calcium carbonate, maximum in profile: 5 percent

Salinity, maximum in profile: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Available water storage in profile: Moderate (about 8.8 inches)

Interpretive groups

Land capability classification (irrigated): 3w

Land capability classification (nonirrigated): 3w

Hydrologic Soil Group: C

Ecological site: River Bottom (R036XY327CO)

Other vegetative classification: RIVER BOTTOM (048AY236CO)

Data Source Information

Soil Survey Area: Archuleta County Area, Colorado

Survey Area Data: Version 8, Sep 22, 2014