

## 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  
*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)*

## **Data Source Information**

Soil Survey Area: Archuleta County Area, Colorado  
Survey Area Data: Version 8, Sep 22, 2014