

## Adams County Area, Parts of Adams and Denver Counties, Colorado

### UIC—Ulm loam, 3 to 5 percent slopes

#### Map Unit Setting

*National map unit symbol:* 34x4

*Elevation:* 4,000 to 5,600 feet

*Mean annual precipitation:* 12 to 14 inches

*Mean annual air temperature:* 48 to 52 degrees F

*Frost-free period:* 125 to 155 days

*Farmland classification:* Prime farmland if irrigated

#### Map Unit Composition

*Ulm and similar soils:* 80 percent

*Minor components:* 20 percent

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

#### Description of Ulm

##### Setting

*Landform:* Plains

*Landform position (three-dimensional):* Talf

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Residuum weathered from sandstone and shale

##### Typical profile

*H1 - 0 to 7 inches:* loam

*H2 - 7 to 13 inches:* silty clay

*H3 - 13 to 30 inches:* clay

*H4 - 30 to 48 inches:* clay loam

*H5 - 48 to 52 inches:* unweathered bedrock

##### Properties and qualities

*Slope:* 3 to 5 percent

*Depth to restrictive feature:* 40 to 60 inches to paralithic bedrock

*Natural drainage class:* Well drained

*Runoff class:* Low

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

Moderately low to moderately high (0.06 to 0.20 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum in profile:* 15 percent

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

*Available water storage in profile:* Moderate (about 8.2 inches)

##### Interpretive groups

*Land capability classification (irrigated):* 3e

*Land capability classification (nonirrigated): 4e*  
*Hydrologic Soil Group: C*  
*Ecological site: Loamy Plains (R067BY002CO)*  
*Hydric soil rating: No*

#### **Minor Components**

##### **Renohill**

*Percent of map unit: 13 percent*  
*Hydric soil rating: No*

##### **Shingle**

*Percent of map unit: 5 percent*  
*Hydric soil rating: No*

##### **Apishapa**

*Percent of map unit: 2 percent*  
*Landform: Swales*  
*Hydric soil rating: Yes*

## **Data Source Information**

Soil Survey Area: Adams County Area, Parts of Adams and Denver Counties, Colorado

Survey Area Data: Version 13, Sep 22, 2016