

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

### AdB—Arvada loam, 0 to 3 percent slopes

#### Map Unit Setting

*National map unit symbol:* 34vj  
*Elevation:* 4,400 to 5,600 feet  
*Mean annual precipitation:* 12 to 14 inches  
*Mean annual air temperature:* 48 to 54 degrees F  
*Frost-free period:* 125 to 155 days  
*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Arvada and similar soils:* 80 percent  
*Minor components:* 20 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Arvada

##### Setting

*Landform:* Terraces  
*Landform position (three-dimensional):* Tread  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Parent material:* Alluvium derived from mixed

##### Typical profile

*H1 - 0 to 2 inches:* loam  
*H2 - 2 to 4 inches:* sandy loam  
*H3 - 4 to 15 inches:* clay  
*H4 - 15 to 28 inches:* sandy clay  
*H5 - 28 to 60 inches:* sandy loam

##### Properties and qualities

*Slope:* 0 to 3 percent  
*Depth to restrictive feature:* More than 80 inches  
*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  
*Gypsum, maximum in profile:* 5 percent  
*Salinity, maximum in profile:* Slightly saline to moderately saline (8.0 to 16.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 30.0  
*Available water storage in profile:* Moderate (about 6.9 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 7s

*Hydrologic Soil Group:* C

*Ecological site:* Salt flat (R067XY033CO)

**Minor Components**

**Nunn**

*Percent of map unit:* 20 percent

**Data Source Information**

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

Survey Area Data: Version 11, Sep 23, 2014

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

### UID—Ulm loam, 5 to 9 percent slopes

#### Map Unit Setting

*National map unit symbol:* 34x5  
*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:* Not prime farmland

#### 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 4 inches:* loam  
*H2 - 4 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:* 5 to 9 percent  
*Depth to restrictive feature:* 40 to 60 inches to paralithic bedrock  
*Natural drainage class:* Well drained  
*Runoff class:* Medium  
*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 (0.0 to 2.0 mmhos/cm)  
*Available water storage in profile:* Moderate (about 8.2 inches)

##### Interpretive groups

*Land capability classification (irrigated):* 4e  
*Land capability classification (nonirrigated):* 6e

*Hydrologic Soil Group: C*  
*Ecological site: Loamy plains (R067BY002CO)*

**Minor Components**

**Shingle**

*Percent of map unit: 10 percent*

**Renohill**

*Percent of map unit: 8 percent*

**Apishapa**

*Percent of map unit: 2 percent*

*Landform: Swales*

**Data Source Information**

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

Survey Area Data: Version 11, Sep 23, 2014

## 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)*

### **Minor Components**

#### **Renohill**

*Percent of map unit: 13 percent*

#### **Shingle**

*Percent of map unit: 5 percent*

#### **Apishapa**

*Percent of map unit: 2 percent*

*Landform: Swales*

## **Data Source Information**

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

Survey Area Data: Version 11, Sep 23, 2014