

## Weld County, Colorado, Southern Part

### 1—Altvan loam, 0 to 1 percent slopes

#### Map Unit Setting

*National map unit symbol:* 361j

*Elevation:* 4,500 to 4,900 feet

*Mean annual precipitation:* 14 to 16 inches

*Mean annual air temperature:* 46 to 48 degrees F

*Frost-free period:* 130 to 150 days

*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Altvan and similar soils:* 90 percent

*Minor components:* 10 percent

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

#### Description of Altvan

##### Setting

*Landform:* Terraces

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Old alluvium

##### Typical profile

*H1 - 0 to 10 inches:* loam

*H2 - 10 to 25 inches:* clay loam

*H3 - 25 to 60 inches:* gravelly sand

##### Properties and qualities

*Slope:* 0 to 1 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 high to high (0.20 to 2.00 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum in profile:* 5 percent

*Available water storage in profile:* Low (about 5.7 inches)

##### Interpretive groups

*Land capability classification (irrigated):* 3s

*Land capability classification (nonirrigated):* 4e

*Hydrologic Soil Group:* B

*Ecological site:* Loamy Plains (R067BY002CO)

### **Minor Components**

#### **Cascajo**

*Percent of map unit:* 9 percent

#### **Aquic haplustolls**

*Percent of map unit:* 1 percent

*Landform:* Swales

## **Data Source Information**

Soil Survey Area: Weld County, Colorado, Southern Part

Survey Area Data: Version 14, Sep 22, 2015