

Wellsite & Tank Bat  
Locations

## Washington County, Colorado

### 78—Weld silt loam, 0 to 3 percent slopes

#### Map Unit Setting

*National map unit symbol:* 2x0hx  
*Elevation:* 3,600 to 6,000 feet  
*Mean annual precipitation:* 12 to 18 inches  
*Mean annual air temperature:* 46 to 54 degrees F  
*Frost-free period:* 115 to 155 days  
*Farmland classification:* Prime farmland if irrigated

#### Map Unit Composition

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

#### Description of Weld

##### Setting

*Landform:* Interfluves  
*Landform position (two-dimensional):* Summit  
*Landform position (three-dimensional):* Interfluve  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Parent material:* Calcareous loess

##### Typical profile

*Ap - 0 to 3 inches:* silt loam  
*Bt1 - 3 to 11 inches:* silty clay  
*Bt2 - 11 to 15 inches:* silty clay  
*Btk - 15 to 21 inches:* silty clay  
*Bk - 21 to 31 inches:* silt loam  
*C - 31 to 80 inches:* silt loam

##### Properties and qualities

*Slope:* 0 to 3 percent  
*Depth to restrictive feature:* More than 80 inches  
*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:* 14 percent  
*Salinity, maximum in profile:* Nonsaline to very slightly saline (0.1 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 5.0  
*Available water storage in profile:* High (about 11.7 inches)

### **Interpretive groups**

*Land capability classification (irrigated): 2e*  
*Land capability classification (nonirrigated): 3c*  
*Hydrologic Soil Group: C*  
*Ecological site: Loamy Plains (R067BY002CO)*  
*Hydric soil rating: No*

### **Minor Components**

#### **Colby**

*Percent of map unit: 7 percent*  
*Landform: Hillslopes*  
*Landform position (two-dimensional): Backslope*  
*Landform position (three-dimensional): Side slope*  
*Down-slope shape: Convex*  
*Across-slope shape: Convex*  
*Ecological site: Loamy Plains (R067BY002CO)*  
*Hydric soil rating: No*

#### **Keith**

*Percent of map unit: 5 percent*  
*Landform: Interfluves*  
*Landform position (two-dimensional): Summit*  
*Landform position (three-dimensional): Interfluve*  
*Down-slope shape: Linear*  
*Across-slope shape: Linear*  
*Ecological site: Loamy Plains (R067BY002CO)*  
*Hydric soil rating: No*

#### **Adena**

*Percent of map unit: 5 percent*  
*Landform: Interfluves*  
*Landform position (two-dimensional): Summit*  
*Landform position (three-dimensional): Interfluve*  
*Down-slope shape: Convex*  
*Across-slope shape: Convex*  
*Ecological site: Loamy Plains (R067BY002CO)*  
*Hydric soil rating: No*

#### **Rago, rarely flooded**

*Percent of map unit: 2 percent*  
*Landform: Drainageways*  
*Down-slope shape: Linear*  
*Across-slope shape: Concave*  
*Ecological site: Overflow (R067BY036CO)*  
*Hydric soil rating: No*

#### **Pleasant, ponded**

*Percent of map unit: 1 percent*  
*Landform: Playas, closed depressions*  
*Down-slope shape: Concave*  
*Across-slope shape: Concave*  
*Ecological site: Plains Swale (R067BY010CO)*

*Hydric soil rating: Yes*

## **Data Source Information**

Soil Survey Area: Washington County, Colorado

Survey Area Data: Version 18, Sep 22, 2016