

## Weld County, Colorado, Southern Part

### 74—Vona loamy sand, 5 to 9 percent slopes

#### Map Unit Setting

*National map unit symbol:* 363t  
*Elevation:* 4,600 to 5,200 feet  
*Mean annual precipitation:* 13 to 15 inches  
*Mean annual air temperature:* 48 to 55 degrees F  
*Frost-free period:* 130 to 160 days  
*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Vona and similar soils:* 85 percent  
*Minor components:* 15 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Vona

##### Setting

*Landform:* Plains  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Parent material:* Eolian deposits

##### Typical profile

*H1 - 0 to 6 inches:* loamy sand  
*H2 - 6 to 28 inches:* fine sandy loam  
*H3 - 28 to 60 inches:* sandy loam

##### Properties and qualities

*Slope:* 5 to 9 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):* High (1.98 to 6.00 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 4.0 mmhos/cm)  
*Available water storage in profile:* Moderate (about 6.5 inches)

##### Interpretive groups

*Land capability classification (irrigated):* 6e  
*Land capability classification (nonirrigated):* 6e  
*Hydrologic Soil Group:* A  
*Ecological site:* Sandy plains (R067BY024CO)

WELLS RANCH STATE A36-655 PAD S31 T6N R63W 6TH PM WELD COUNTY, COLORADO
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### Minor Components

#### Valent

*Percent of map unit:* 10 percent

#### Remmit

*Percent of map unit:* 5 percent

## Data Source Information

Soil Survey Area: Weld County, Colorado, Southern Part

Survey Area Data: Version 13, Sep 23, 2014

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## Weld County, Colorado, Southern Part

### 76—Vona sandy loam, 1 to 3 percent slopes

#### Map Unit Setting

*National map unit symbol:* 363w  
*Elevation:* 4,600 to 5,200 feet  
*Mean annual precipitation:* 13 to 15 inches  
*Mean annual air temperature:* 48 to 55 degrees F  
*Frost-free period:* 130 to 160 days  
*Farmland classification:* Farmland of statewide importance

#### Map Unit Composition

*Vona and similar soils:* 85 percent  
*Minor components:* 15 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Vona

##### Setting

*Landform:* Plains, terraces  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Parent material:* Alluvium and/or eolian deposits

##### Typical profile

*H1 - 0 to 6 inches:* sandy loam  
*H2 - 6 to 28 inches:* fine sandy loam  
*H3 - 28 to 60 inches:* sandy loam

##### Properties and qualities

*Slope:* 1 to 3 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Well drained  
*Runoff class:* Very low  
*Capacity of the most limiting layer to transmit water (Ksat):* High (1.98 to 6.00 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 4.0 mmhos/cm)  
*Available water storage in profile:* Moderate (about 6.8 inches)

##### Interpretive groups

*Land capability classification (irrigated):* 3e  
*Land capability classification (nonirrigated):* 4e  
*Hydrologic Soil Group:* A  
*Ecological site:* Sandy plains (R067BY024CO)

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### Minor Components

**Remmit**

*Percent of map unit: 9 percent*

**Olney**

*Percent of map unit: 3 percent*

**Julesburg**

*Percent of map unit: 3 percent*

### Data Source Information

Soil Survey Area: Weld County, Colorado, Southern Part  
Survey Area Data: Version 13, Sep 23, 2014