

Wells Ranch AA22-688 Pad
Township 6 North, Range 63 West
Section 21: NENE
Weld County, CO

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)

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

Wells Ranch AA22-688 Pad
S21 T6N R63W 6TH P.M. ~~NE NE~~
Weld County, Colorado

•Weld County, Colorado, Southern Part

•72—Vona loamy sand, 0 to 3 percent slopes

•Map Unit Setting

- National map unit symbol:* 363r
- 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 local 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:* Terraces, plains
- Down-slope shape:* Linear
- Across-slope shape:* Linear
- Parent material:* Alluvium and/or 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:* 0 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 6.5 inches)

•Interpretive groups

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

Wells Ranch AA22-688 Pad
S21 T6N R63W 6TH P.M. ~~N&NE~~
Weld County, Colorado

•**Minor Components**

•**Remmit**

•*Percent of map unit:* 10 percent

•**Valent**

•*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