

ARD COG-28D
WELL NAME: ARD COG-29D
T 4N, R 64W, 6th P.M.
SEC. 6: NE4NW4

Map Unit Description

Weld County, Colorado, Southern Part

47 Olny fine sandy loam, 1 to 3 percent slopes

Setting

Elevation: 4600 to 5200 feet
Mean annual precipitation: 11 to 15 inches
Mean annual air temperature: 46 to 54 degrees F
Frost-free period: 125 to 175 days

Composition

Olny and similar soils: 85 percent
Minor components: 15 percent

Description of Olny

Setting

Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Mixed deposit outwash

Properties and Qualities

Slope: 1 to 3 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.57 to 2.00 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Gypsum maximum: 0 percent
Available water capacity: Moderate (about 7.0 inches)

Interpretive Groups

Land capability classification (irrigated): 3e
Land capability (non irrigated): 4c
Ecological site: Sandy Plains (R067BY024CO)

Typical Profile

0 to 10 inches: fine sandy loam
10 to 20 inches: sandy clay loam
20 to 25 inches: sandy clay loam
25 to 60 inches: fine sandy loam

Minor Components

Zigweid

Percent of map unit: 10 percent

Vona

Percent of map unit: 5 percent

Map Unit Description

Weld County, Colorado, Southern Part

4 Aquolls and Aquepts, flooded**Setting**

Elevation: 3600 to 4700 feet
 Mean annual precipitation: 12 to 16 inches
 Mean annual air temperature: 50 to 55 degrees F
 Frost-free period: 100 to 165 days

Composition

Aquolls and similar soils: 55 percent
 Aquepts, flooded, and similar soils: 25 percent
 Minor components: 20 percent

Description of Aquolls**Setting**

Landform: Drainageways, plains, depressions
 Down-slope shape: Linear
 Across-slope shape: Linear
 Parent material: Recent alluvium

Properties and Qualities

Slope: 0 to 3 percent
 Drainage class: Poorly drained
 Capacity of the most limiting layer to transmit water (Ksat): Moderately low or high (0.06 to 6.00 in/hr)
 Depth to water table: About 6 to 36 inches
 Frequency of flooding: Frequent
 Frequency of ponding: None
 Calcium carbonate maximum: 10 percent
 Gypsum maximum: 0 percent
 Salinity maximum: Slightly saline or moderately saline (8.0 to 16.0 mmhos/cm)
 Sodium adsorption ratio maximum: 5.0
 Available water capacity: Low (about 4.7 inches)

Interpretive Groups

Land capability classification (irrigated): 6w
 Land capability (non irrigated): 6w
 Ecological site: Salt Meadow (R067BY035CO)

Typical Profile

0 to 8 inches: variable
 8 to 60 inches: stratified sandy loam to clay

Description of Aquepts, flooded**Setting**

Landform: Stream terraces
 Down-slope shape: Linear
 Across-slope shape: Linear
 Parent material: Recent alluvium

Properties and Qualities

Slope: 0 to 3 percent
 Drainage class: Poorly drained
 Capacity of the most limiting layer to transmit water (Ksat): Moderately low or high (0.06 to 6.00 in/hr)
 Depth to water table: About 6 to 36 inches
 Frequency of flooding: Frequent
 Frequency of ponding: None
 Calcium carbonate maximum: 10 percent
 Gypsum maximum: 0 percent
 Salinity maximum: Slightly saline or moderately saline (8.0 to 16.0 mmhos/cm)
 Sodium adsorption ratio maximum: 5.0
 Available water capacity: Low (about 4.7 inches)

Interpretive Groups

Land capability classification (irrigated): 6w
 Land capability (non irrigated): 6w

WELL NAME: ARDC06-290
T4N, R64W, 6th P.M.
SEC. 6: NE4NW4

Map Unit Description

Weld County, Colorado, Southern Part

Ecological site: Wet Meadow (R067BY038CO)

Typical Profile

0 to 8 inches: variable

8 to 60 inches: stratified sandy loam to clay

Minor Components

Thedalund

Percent of map unit: 10 percent

Haverson

Percent of map unit: 10 percent