

Facility for Camenish P04-32D

Map Unit Description

Weld County, Colorado, Southern Part

T3N R67W 674p.m.
Sec 5 NE/4 NE/4

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

Facility for Camenish PO4-320

T3N R67W 6thpm

Sec 5 NE/4 NE/4

Map Unit Description

Weld County, Colorado, Southern Part

65 Thedalund loam, 3 to 9 percent slopes

Setting

Elevation: 4900 to 5250 feet
Mean annual precipitation: 13 to 15 inches
Mean annual air temperature: 46 to 48 degrees F
Frost-free period: 130 to 160 days

Composition

Thedalund and similar soils: 80 percent
Minor components: 20 percent

Description of Thedalund

Setting

Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Residuum weathered from shale

Properties and Qualities

Slope: 3 to 9 percent
Depth to restrictive feature: 20 to 40 inches to Paralithic bedrock
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low or high (0.06 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: Low (about 4.9 inches)

Interpretive Groups

Land capability classification (irrigated): 4e
Land capability (non irrigated): 6e
Ecological site: Loamy Plains (R067BY002CO)

Typical Profile

0 to 8 inches: loam
8 to 29 inches: loam
29 to 33 inches: weathered bedrock

Minor Components

Ulm

Percent of map unit: 7 percent

Renohill

Percent of map unit: 6 percent

Terry

Percent of map unit: 6 percent

Otero

Percent of map unit: 1 percent

Facility for Cameron PO4-32D
T3N R67W b74p
Sect 5 NE/4 NE/4

Map Unit Description

Weld County, Colorado, Southern Part

83 Wiley-Colby complex, 3 to 5 percent slopes

Setting

Elevation: 4850 to 5000 feet
Mean annual precipitation: 12 to 16 inches
Mean annual air temperature: 48 to 54 degrees F
Frost-free period: 135 to 170 days

Composition

Wiley and similar soils: 55 percent
Colby and similar soils: 30 percent
Minor components: 15 percent

Description of Wiley

Setting

Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Calcareous eolian deposits

Properties and Qualities

Slope: 3 to 5 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.60 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: High (about 11.7 inches)

Interpretive Groups

Land capability classification (irrigated): 3e
Land capability (non irrigated): 4e
Ecological site: Loamy Plains (R067BY002CO)

Typical Profile

0 to 11 inches: silt loam
11 to 60 inches: silty clay loam
60 to 64 inches: silty clay loam

Description of Colby

Setting

Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Calcareous eolian deposits

Properties and Qualities

Slope: 3 to 5 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: High (about 10.6 inches)

Interpretive Groups

Land capability classification (irrigated): 3e
Land capability (non irrigated): 4e
Ecological site: Loamy Plains (R067BY002CO)

Typical Profile

0 to 7 inches: loam
7 to 60 inches: silt loam