

Map Unit Description

Weld County, Colorado, Southern Part

19 Colombo clay loam, 0 to 1 percent slopes

Setting

Elevation: 4600 to 4780 feet
Mean annual precipitation: 12 to 16 inches
Mean annual air temperature: 48 to 52 degrees F
Frost-free period: 130 to 160 days

Composition

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

Description of Colombo

Setting

Landform: Terraces, flood plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Stratified, calcareous alluvium

Properties and Qualities

Slope: 0 to 1 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 10 percent
Gypsum maximum: 0 percent
Available water capacity: High (about 9.4 inches)

Interpretive Groups

Land capability classification (irrigated): 1
Land capability (non irrigated): 3e
Ecological site: Clayey Plains (R067BY042CO)

Typical Profile

0 to 14 inches: clay loam
14 to 21 inches: stratified loam to clay loam
21 to 60 inches: stratified sand to loam to clay loam

Minor Components

Nunn

Percent of map unit: 5 percent

Heldt

Percent of map unit: 5 percent

Dacono

Percent of map unit: 5 percent

Map Unit Description Adams 030-310, Dechant 030-170

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

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Adams 030-290, Adams 030-300,

Map Unit Description Adams 030-310, Dechert 030-170

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