

## Map Unit Description

4N - 66W, 6th P.M.  
SEC: 1 (SWNW)

Weld County, Colorado, Southern Part

## 3 Aquolls and Aquents, gravelly substratum

## Setting

Elevation: 4000 to 7200 feet  
 Mean annual precipitation: 12 to 18 inches  
 Mean annual air temperature: 45 to 55 degrees F  
 Frost-free period: 80 to 155 days

## Composition

Aquolls and similar soils: 55 percent  
 Aquents, gravelly substratum, and similar soils: 30 percent  
 Minor components: 15 percent

## Description of Aquolls

## Setting

Landform: Swales, streams, flood plains  
 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 high or high (0.20 to 2.00 in/hr)  
 Depth to water table: About 6 to 48 inches  
 Frequency of flooding: Frequent  
 Frequency of ponding: None  
 Calcium carbonate maximum: 0 percent  
 Gypsum maximum: 0 percent  
 Available water capacity: Moderate (about 8.0 inches)

## Interpretive Groups

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

## Typical Profile

0 to 48 inches: loam  
 48 to 60 inches: gravelly sand

## Description of Aquents, gravelly substratum

## 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 high or very high (0.57 to 19.98 in/hr)  
 Depth to water table: About 6 to 24 inches  
 Frequency of flooding: Frequent  
 Frequency of ponding: None  
 Calcium carbonate maximum: 10 percent  
 Gypsum maximum: 0 percent  
 Available water capacity: Moderate (about 6.6 inches)

## Interpretive Groups

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

## Typical Profile

0 to 48 inches: variable  
 48 to 60 inches: very gravelly sand