

## Weld County, Colorado, Northern Part

### 29—Haverson loam, 0 to 3 percent slopes

#### Map Unit Setting

*National map unit symbol:* 35zd

*Elevation:* 3,500 to 6,000 feet

*Mean annual precipitation:* 12 to 17 inches

*Mean annual air temperature:* 46 to 54 degrees F

*Frost-free period:* 125 to 180 days

*Farmland classification:* Prime farmland if irrigated and either protected from flooding or not frequently flooded during the growing season

#### Map Unit Composition

*Haverson and similar soils:* 90 percent

*Minor components:* 10 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Haverson

##### Setting

*Landform:* Flood plains, stream terraces

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Stratified, calcareous loamy alluvium

##### Typical profile

*H1 - 0 to 12 inches:* loam

*H2 - 12 to 60 inches:* stratified sandy loam to loam

##### Properties and qualities

*Slope:* 0 to 3 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):*

Moderately high to high (0.57 to 2.00 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

*Gypsum, maximum in profile:* 1 percent

*Salinity, maximum in profile:* Nonsaline to moderately saline (0.0 to 8.0 mmhos/cm)

*Available water storage in profile:* High (about 9.6 inches)

##### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 4c

*Hydrologic Soil Group:* B

*Ecological site:* Overflow (R067BY036CO)  
*Other vegetative classification:* OVERFLOW (067BY036CO)  
*Hydric soil rating:* No

#### **Minor Components**

##### **Nunn**

*Percent of map unit:* 6 percent  
*Hydric soil rating:* No

##### **Fluvaquentic haplustolls**

*Percent of map unit:* 4 percent  
*Landform:* Terraces  
*Hydric soil rating:* Yes

## **Data Source Information**

Soil Survey Area: Weld County, Colorado, Northern Part  
Survey Area Data: Version 11, Sep 22, 2016

## Weld County, Colorado, Northern Part

### 32—Kim-Mitchell complex, 6 to 9 percent slopes

#### Map Unit Setting

*National map unit symbol:* 35zj  
*Elevation:* 3,500 to 6,500 feet  
*Mean annual precipitation:* 11 to 17 inches  
*Mean annual air temperature:* 46 to 54 degrees F  
*Frost-free period:* 120 to 160 days  
*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Kim and similar soils:* 45 percent  
*Mitchell and similar soils:* 35 percent  
*Minor components:* 20 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Kim

##### Setting

*Landform:* Alluvial fans, fans, plains  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Parent material:* Calcareous loamy alluvium and/or colluvium

##### Typical profile

*H1 - 0 to 3 inches:* loam  
*H2 - 3 to 7 inches:* clay loam  
*H3 - 7 to 60 inches:* loam

##### Properties and qualities

*Slope:* 6 to 9 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Well drained  
*Runoff class:* Medium  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately high (0.20 to 0.60 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 slightly saline (0.0 to 4.0 mmhos/cm)  
*Available water storage in profile:* High (about 9.7 inches)

##### Interpretive groups

*Land capability classification (irrigated):* 6e  
*Land capability classification (nonirrigated):* 6e  
*Hydrologic Soil Group:* C  
*Ecological site:* Loamy Plains (R067BY002CO)

*Hydric soil rating:* No

### **Description of Mitchell**

#### **Setting**

*Landform:* Alluvial fans, fans, plains

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Calcareous loamy alluvium

#### **Typical profile**

*H1 - 0 to 7 inches:* silt loam

*H2 - 7 to 60 inches:* silt loam

#### **Properties and qualities**

*Slope:* 6 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):*

Moderately high to high (0.57 to 5.95 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

*Available water storage in profile:* High (about 10.8 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* 6e

*Land capability classification (nonirrigated):* 6e

*Hydrologic Soil Group:* A

*Ecological site:* Siltstone Plains (R067BY009CO)

*Hydric soil rating:* No

### **Minor Components**

#### **Keota**

*Percent of map unit:* 7 percent

*Hydric soil rating:* No

#### **Thedalund**

*Percent of map unit:* 7 percent

*Hydric soil rating:* No

#### **Haverson**

*Percent of map unit:* 6 percent

*Hydric soil rating:* No

## **Data Source Information**

Soil Survey Area: Weld County, Colorado, Northern Part

Survey Area Data: Version 11, Sep 22, 2016