

## Weld County, Colorado, Northern Part

### 81—Treon-Aberone fine sandy loams, 6 to 30 percent slopes

#### Map Unit Setting

*National map unit symbol:* 361b  
*Elevation:* 5,000 to 6,500 feet  
*Mean annual precipitation:* 15 to 17 inches  
*Mean annual air temperature:* 45 to 48 degrees F  
*Frost-free period:* 115 to 125 days  
*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Treon and similar soils:* 60 percent  
*Aberone and similar soils:* 30 percent  
*Minor components:* 10 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Treon

##### Setting

*Landform:* Hills  
*Down-slope shape:* Linear  
*Across-slope shape:* Convex  
*Parent material:* Residuum weathered from sandstone

##### Typical profile

*A - 0 to 8 inches:* fine sandy loam  
*Ck - 8 to 16 inches:* fine sandy loam  
*Cr - 16 to 60 inches:* bedrock

##### Properties and qualities

*Slope:* 15 to 30 percent  
*Depth to restrictive feature:* 10 to 20 inches to paralithic bedrock  
*Natural drainage class:* Well drained  
*Runoff class:* Very high  
*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:* 5 percent  
*Salinity, maximum in profile:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)  
*Available water storage in profile:* Very low (about 2.3 inches)

##### Interpretive groups

*Land capability classification (irrigated):* 7e  
*Land capability classification (nonirrigated):* 7e  
*Hydrologic Soil Group:* D  
*Ecological site:* SHALLOW SANDY (15-17SP) (R067XY266WY)

## Description of Aberone

### Setting

*Landform:* Draws, terraces, hills  
*Down-slope shape:* Linear  
*Across-slope shape:* Convex  
*Parent material:* Alluvium and/or colluvium derived from sandstone

### Typical profile

*A - 0 to 7 inches:* fine sandy loam  
*B - 7 to 16 inches:* sandy loam  
*Ck - 16 to 60 inches:* very gravelly sandy loam

### Properties and qualities

*Slope:* 6 to 15 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):* High (2.00 to 6.00 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Calcium carbonate, maximum in profile:* 70 percent  
*Salinity, maximum in profile:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)  
*Available water storage in profile:* Low (about 3.8 inches)

### Interpretive groups

*Land capability classification (irrigated):* 6s  
*Land capability classification (nonirrigated):* 6s  
*Hydrologic Soil Group:* A  
*Ecological site:* SANDY (15-17SP) (R067XY250WY)

## Minor Components

### Vetal

*Percent of map unit:* 10 percent

## Data Source Information

Soil Survey Area: Weld County, Colorado, Northern Part  
Survey Area Data: Version 10, Sep 23, 2014