

## Weld County, Colorado, Southern Part

### 36—Midway-Shingle complex, 5 to 20 percent slopes

#### Map Unit Setting

*National map unit symbol:* 362g

*Elevation:* 5,050 to 5,250 feet

*Mean annual precipitation:* 10 to 17 inches

*Mean annual air temperature:* 46 to 52 degrees F

*Frost-free period:* 100 to 180 days

*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Midway and similar soils:* 50 percent

*Shingle and similar soils:* 35 percent

*Minor components:* 15 percent

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

#### Description of Midway

##### Setting

*Landform:* Ridges, hills

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Calcareous residuum weathered from shale

##### Typical profile

*H1 - 0 to 7 inches:* clay

*H2 - 7 to 13 inches:* clay

*H3 - 13 to 17 inches:* weathered bedrock

##### Properties and qualities

*Slope:* 5 to 20 percent

*Depth to restrictive feature:* 6 to 20 inches to paralithic bedrock

*Natural drainage class:* Well drained

*Runoff class:* Medium

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately low to moderately high (0.06 to 0.20 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:* 15 percent

*Salinity, maximum in profile:* Very slightly saline to moderately saline (2.0 to 8.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 15.0

*Available water storage in profile:* Very low (about 2.0 inches)

##### Interpretive groups

*Land capability classification (irrigated):* 6e

*Land capability classification (nonirrigated):* 6e

*Hydrologic Soil Group:* D  
*Ecological site:* Shaly Plains (R067BY045CO)  
*Hydric soil rating:* No

## **Description of Shingle**

### **Setting**

*Landform:* Ridges, hills  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Parent material:* Residuum weathered from calcareous shale

### **Typical profile**

*H1 - 0 to 6 inches:* loam  
*H2 - 6 to 18 inches:* clay loam  
*H3 - 18 to 22 inches:* unweathered bedrock

### **Properties and qualities**

*Slope:* 5 to 20 percent  
*Depth to restrictive feature:* 10 to 20 inches to paralithic bedrock  
*Natural drainage class:* Well drained  
*Runoff class:* Medium  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately low to moderately high (0.06 to 0.20 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 very slightly saline (0.0  
to 2.0 mmhos/cm)  
*Available water storage in profile:* Low (about 3.3 inches)

### **Interpretive groups**

*Land capability classification (irrigated):* 6s  
*Land capability classification (nonirrigated):* 6s  
*Hydrologic Soil Group:* D  
*Ecological site:* Shaly Plains (R067BY045CO)  
*Hydric soil rating:* No

## **Minor Components**

### **Renohill**

*Percent of map unit:* 8 percent  
*Hydric soil rating:* No

### **Tassel**

*Percent of map unit:* 7 percent  
*Hydric soil rating:* No

## **Data Source Information**

Soil Survey Area: Weld County, Colorado, Southern Part  
Survey Area Data: Version 15, Sep 22, 2016