

# Map Unit Description

Weld County, Colorado, Northern Part

## 9 Avar fine sandy loam

### Setting

Elevation: 4500 to 5500 feet  
Mean annual precipitation: 11 to 14 inches  
Mean annual air temperature: 46 to 48 degrees F  
Frost-free period: 130 to 160 days

### Composition

Avar and similar soils: 80 percent  
Minor components: 20 percent

### Description of Avar

#### Setting

Landform: Stream terraces, swales, flood plains  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Calcareous loamy alluvium

#### Properties and Qualities

Slope: 0 to 3 percent  
Drainage class: Well drained  
Capacity of the most limiting layer to transmit water (Ksat): Moderately low or moderately high (0.06 to 0.60 in/hr)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 15 percent  
Gypsum maximum: 0 percent  
Salinity maximum: Very slightly saline or strongly saline (4.0 to 32.0 mmhos/cm)  
Sodium adsorption ratio maximum: 250.0  
Available water capacity: Moderate (about 6.6 inches)

#### Interpretive Groups

Land capability (non irrigated): 7s  
Ecological site: Salt Flat (R067XY033CO)

#### Typical Profile

0 to 3 inches: fine sandy loam  
3 to 8 inches: clay loam  
8 to 60 inches: sandy clay loam

### Minor Components

#### Fluvaquentic haplustolls

Percent of map unit: 6 percent  
Landform: Terraces

#### Ascalon

Percent of map unit: 5 percent

#### Haverson

Percent of map unit: 4 percent

#### Nunn

Percent of map unit: 3 percent

#### Bankard

Percent of map unit: 2 percent

# Rangeland Productivity and Plant Composition

Weld County, Colorado, Northern Part

Map symbol and soil name	Ecological site	Total dry-weight production			Characteristic vegetation	Rangeland composition
		Favorable year	Normal year	Unfavorable year		
		Lb/Ac	Lb/Ac	Lb/Ac		Pct
9:						
Avar	Salt Flat	1,500	1,000	500	Western wheatgrass	25
					Fourwing saltbush	5