

## Lincoln County, Colorado

### 212—Wages-Karval complex, 6 to 15 percent slopes

#### Map Unit Setting

*National map unit symbol:* 3jkk  
*Elevation:* 4,400 to 6,000 feet  
*Mean annual precipitation:* 11 to 16 inches  
*Mean annual air temperature:* 46 to 52 degrees F  
*Frost-free period:* 135 to 155 days  
*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Wages and similar soils:* 60 percent  
*Karval and similar soils:* 25 percent  
*Minor components:* 15 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Wages

##### Setting

*Landform:* Hills  
*Landform position (three-dimensional):* Side slope  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Parent material:* Alluvium and/or eolian deposits

##### Typical profile

*A - 0 to 4 inches:* loam  
*Bt - 4 to 10 inches:* loam  
*Bk - 10 to 35 inches:* loam  
*C - 35 to 60 inches:* loam

##### Properties and qualities

*Slope:* 6 to 15 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 very slightly saline (0.0 to 2.0 mmhos/cm)  
*Available water storage in profile:* Moderate (about 8.9 inches)

##### Interpretive groups

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 6e

*Hydrologic Soil Group:* C  
*Ecological site:* Loamy Plains (R067BY002CO)  
*Hydric soil rating:* No

## Description of Karval

### Setting

*Landform:* Hills  
*Landform position (three-dimensional):* Side slope  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Parent material:* Alluvium

### Typical profile

*A - 0 to 5 inches:* gravelly loamy sand  
*Bk - 5 to 40 inches:* gravelly coarse sand  
*C - 40 to 60 inches:* sand

### Properties and qualities

*Slope:* 6 to 15 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Excessively drained  
*Runoff class:* Low  
*Capacity of the most limiting layer to transmit water (Ksat):* High to very high (6.00 to 19.99 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 2.6 inches)

### Interpretive groups

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 6e  
*Hydrologic Soil Group:* A  
*Ecological site:* Gravel Breaks (R067BY063CO)  
*Hydric soil rating:* No

## Minor Components

### Fort collins

*Percent of map unit:* 5 percent  
*Landform:* Hills  
*Landform position (three-dimensional):* Side slope  
*Ecological site:* Loamy Plains (R067BY002CO)  
*Other vegetative classification:* LOAMY PLAINS (067XY002CO\_1)  
*Hydric soil rating:* No

### Colby

*Percent of map unit:* 5 percent  
*Landform:* Hills  
*Landform position (three-dimensional):* Side slope

*Ecological site:* Loamy Slopes (R067BY008CO)  
*Hydric soil rating:* No

**Platner**

*Percent of map unit:* 4 percent  
*Landform:* Plains  
*Ecological site:* Loamy Plains (R067BY002CO)  
*Other vegetative classification:* LOAMY PLAINS (067XY002CO\_1)  
*Hydric soil rating:* No

**Rock outcrop**

*Percent of map unit:* 1 percent  
*Landform:* Scarps  
*Hydric soil rating:* No

## Data Source Information

Soil Survey Area: Lincoln County, Colorado  
Survey Area Data: Version 15, Oct 10, 2017

## Lincoln County, Colorado

### 104—Ascalon sandy loam, 3 to 5 percent slopes

#### Map Unit Setting

*National map unit symbol:* 2tln  
*Elevation:* 3,550 to 5,970 feet  
*Mean annual precipitation:* 12 to 16 inches  
*Mean annual air temperature:* 46 to 57 degrees F  
*Frost-free period:* 135 to 160 days  
*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Ascalon and similar soils:* 80 percent  
*Minor components:* 20 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Ascalon

##### Setting

*Landform:* Interfluves  
*Landform position (two-dimensional):* Shoulder, summit  
*Landform position (three-dimensional):* Interfluve  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Parent material:* Wind-reworked alluvium and/or calcareous sandy eolian deposits

##### Typical profile

*Ap - 0 to 6 inches:* sandy loam  
*Bt1 - 6 to 12 inches:* sandy clay loam  
*Bt2 - 12 to 19 inches:* sandy clay loam  
*Bk - 19 to 35 inches:* sandy clay loam  
*C - 35 to 80 inches:* sandy loam

##### Properties and qualities

*Slope:* 3 to 5 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 (0.60 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:* 10 percent  
*Salinity, maximum in profile:* Nonsaline (0.1 to 1.9 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 1.0  
*Available water storage in profile:* Moderate (about 6.9 inches)

### **Interpretive groups**

*Land capability classification (irrigated):* 3e  
*Land capability classification (nonirrigated):* 4c  
*Hydrologic Soil Group:* B  
*Ecological site:* Sandy Plains (R067BY024CO), Sandy Plains (R072XY111KS)  
*Hydric soil rating:* No

### **Minor Components**

#### **Stoneham**

*Percent of map unit:* 10 percent  
*Landform:* Interfluves  
*Landform position (two-dimensional):* Shoulder, summit  
*Landform position (three-dimensional):* Interfluve  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Ecological site:* Loamy Plains (R067BY002CO), Loamy Tableland (R072XY100KS)  
*Hydric soil rating:* No

#### **Vona**

*Percent of map unit:* 8 percent  
*Landform:* Interfluves  
*Landform position (two-dimensional):* Backslope, footslope, shoulder  
*Landform position (three-dimensional):* Interfluve  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Ecological site:* Sandy Plains (R067BY024CO), Sandy Plains (R072XY111KS)  
*Hydric soil rating:* No

#### **Platner**

*Percent of map unit:* 2 percent  
*Landform:* Interfluves  
*Landform position (two-dimensional):* Summit  
*Landform position (three-dimensional):* Interfluve  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Ecological site:* Loamy Plains (R067BY002CO), Loamy Tableland (R072XY100KS)  
*Hydric soil rating:* No

## **Data Source Information**

Soil Survey Area: Lincoln County, Colorado  
Survey Area Data: Version 15, Oct 10, 2017