

## 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**

### **Colby**

*Percent of map unit:* 5 percent  
*Landform:* Hills  
*Landform position (three-dimensional):* Side slope  
*Ecological site:* Loamy Slopes (R067BY008CO)  
*Hydric soil rating:* No

### **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

**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 16, Sep 10, 2018

## Lincoln County, Colorado

### 124—Fort Collins loam, 0 to 3 percent slopes

#### Map Unit Setting

*National map unit symbol:* 2tlnc  
*Elevation:* 4,020 to 6,730 feet  
*Mean annual precipitation:* 14 to 16 inches  
*Mean annual air temperature:* 46 to 48 degrees F  
*Frost-free period:* 143 to 154 days  
*Farmland classification:* Prime farmland if irrigated

#### Map Unit Composition

*Fort collins and similar soils:* 85 percent  
*Minor components:* 15 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Fort Collins

##### Setting

*Landform:* Interfluves  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Parent material:* Pleistocene or older alluvium derived from igneous, metamorphic and sedimentary rock and/or eolian deposits

##### Typical profile

*Ap - 0 to 4 inches:* loam  
*Bt1 - 4 to 9 inches:* clay loam  
*Bt2 - 9 to 16 inches:* clay loam  
*Bk1 - 16 to 29 inches:* loam  
*Bk2 - 29 to 80 inches:* 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 (0.20 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:* 12 percent  
*Salinity, maximum in profile:* Nonsaline (0.1 to 1.0 mmhos/cm)  
*Sodium adsorption ratio, maximum in profile:* 0.5  
*Available water storage in profile:* High (about 9.1 inches)

##### Interpretive groups

*Land capability classification (irrigated):* 2e

*Land capability classification (nonirrigated):* 4c  
*Hydrologic Soil Group:* C  
*Ecological site:* Loamy Plains (R067BY002CO)  
*Hydric soil rating:* No

### Minor Components

#### Nunn

*Percent of map unit:* 10 percent  
*Landform:* Terraces  
*Landform position (three-dimensional):* Tread  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Ecological site:* Loamy Plains (R067BY002CO)  
*Hydric soil rating:* No

#### Vona

*Percent of map unit:* 5 percent  
*Landform:* Interfluves  
*Landform position (two-dimensional):* Backslope, footslope  
*Landform position (three-dimensional):* Side slope, base slope  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Ecological site:* Sandy Plains (R067BY024CO)  
*Hydric soil rating:* No

## Data Source Information

Soil Survey Area: Lincoln County, Colorado  
Survey Area Data: Version 16, Sep 10, 2018