

Lincoln County, Colorado

104—Ascalon sandy loam, 3 to 5 percent slopes

Map Unit Setting

National map unit symbol: 3j87
Elevation: 4,400 to 6,000 feet
Mean annual precipitation: 14 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

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

Description of Ascalon

Setting

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

Typical profile

Ap - 0 to 4 inches: sandy loam
Bt - 4 to 15 inches: sandy clay loam
Bk - 15 to 60 inches: fine 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 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: 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): 3e
Hydrologic Soil Group: B
Ecological site: Sandy Plains (R067BY024CO)

Minor Components

Haxtun

Percent of map unit: 3 percent

Landform: Drainageways

Other vegetative classification: SANDY PLAINS (067XY024CO_1)

Pleasant

Percent of map unit: 3 percent

Landform: Depressions

Ecological site: Plains Swale (R067XY010CO)

Platner

Percent of map unit: 3 percent

Landform: Plains

Ecological site: Loamy Plains (R067BY002CO)

Other vegetative classification: LOAMY PLAINS (067XY002CO_1)

Vona

Percent of map unit: 3 percent

Landform: Hills

Landform position (three-dimensional): Side slope

Other vegetative classification: SANDY PLAINS (067XY024CO_1)

Otero

Percent of map unit: 3 percent

Landform: Hills

Landform position (three-dimensional): Side slope

Other vegetative classification: SANDY PLAINS (067XY024CO_1)

Data Source Information

Soil Survey Area: Lincoln County, Colorado

Survey Area Data: Version 12, Sep 23, 2014

Lincoln County, Colorado

127—Fort Collins-Platner loams, 1 to 5 percent slopes

Map Unit Setting

National map unit symbol: 3jgt
Elevation: 4,400 to 6,000 feet
Mean annual precipitation: 14 to 16 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 135 to 155 days
Farmland classification: Prime farmland if irrigated

Map Unit Composition

Fort collins and similar soils: 50 percent
Platner and similar soils: 35 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Fort Collins

Setting

Landform: Plains
Landform position (two-dimensional): Summit
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium and/or eolian deposits

Typical profile

A - 0 to 7 inches: loam
Bt - 7 to 13 inches: clay loam
Bk1 - 13 to 30 inches: loam
Bk2 - 30 to 60 inches: loam

Properties and qualities

Slope: 1 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 (0.20 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: 15 percent
Salinity, maximum in profile: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Available water storage in profile: High (about 10.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 4e

Hydrologic Soil Group: B
Ecological site: Loamy Plains (R067BY002CO)

Description of Platner

Setting

Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium and/or eolian deposits

Typical profile

A - 0 to 7 inches: loam
Bt - 7 to 15 inches: clay loam
Bk1 - 15 to 40 inches: silty clay loam
Bk2 - 40 to 60 inches: clay loam

Properties and qualities

Slope: 1 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 (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: High (about 10.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 4e
Hydrologic Soil Group: C
Ecological site: Loamy Plains (R067BY002CO)

Minor Components

Colby

Percent of map unit: 3 percent
Landform: Plains
Other vegetative classification: Loamy Plains (067XY002)

Vona

Percent of map unit: 3 percent
Landform: Hills
Landform position (three-dimensional): Side slope
Other vegetative classification: SANDY PLAINS (067XY024CO_1)

Pleasant

Percent of map unit: 3 percent
Landform: Depressions
Ecological site: Plains Swale (R067XY010CO)

Ascalon

Percent of map unit: 3 percent

Landform: Plains

Other vegetative classification: SANDY PLAINS (067XY024CO_1)

Karval

Percent of map unit: 3 percent

Landform: Hills

Landform position (three-dimensional): Side slope

Other vegetative classification: GRAVEL BREAKS
(067XY063CO_1)

Data Source Information

Soil Survey Area: Lincoln County, Colorado

Survey Area Data: Version 12, Sep 23, 2014