

Flooding hazard: None
Depth to seasonal zone of saturation: Greater than 6 feet
Runoff class: Medium
Ecological site: Sandy Plains
Land capability (nonirrigated): 6e
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

Minor components

Olney and similar soils
Extent: About 5 percent of the unit
Slope: 5 to 12 percent
Drainage class: Well drained
Ecological site: Sandy Plains
 Oterodry and similar soils
Extent: About 5 percent of the unit
Slope: 5 to 9 percent
Drainage class: Somewhat excessively drained
Ecological site: Sandy Plains
 Platner and similar soils
Extent: About 3 percent of the unit
Slope: 0 to 3 percent
Drainage class: Well drained
Ecological site: Loamy Plains
 Karval and similar soils
Extent: About 2 percent of the unit
Slope: 5 to 9 percent
Drainage class: Excessively drained
Ecological site: Gravel Breaks

X 109—Ascalon-Haxtun complex, 0 to 3 percent slopes

Map Unit Composition

Ascalon and similar soils: 55 percent
 Haxtun and similar soils: 30 percent
 Minor components: 15 percent

Component Descriptions

Ascalon

MLRA: 67—Central High Plains
Landform: Plains
Parent material: Eolian deposits
Slope: 0 to 3 percent
Drainage class: Well drained
Slowest permeability class: Moderate
Available water capacity: Moderate (about 8.8 inches)
Shrink-swell potential: Low (about 1.5 LEP)

Flooding hazard: None
Depth to seasonal zone of saturation: Greater than 6 feet
Runoff class: Low
Ecological site: Sandy Plains
Land capability (nonirrigated): 3c
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

Haxtun

MLRA: 67—Central High Plains
Landform: Drainageways
Parent material: Alluvium and/or eolian deposits
Slope: 0 to 3 percent
Drainage class: Well drained
Slowest permeability class: Moderately slow
Available water capacity: Moderate (about 8.8 inches)
Shrink-swell potential: Low (about 1.5 LEP)
Flooding hazard: None
Depth to seasonal zone of saturation: Greater than 6 feet
Runoff class: Low
Ecological site: Sandy Plains
Land capability (nonirrigated): 3e
Typical profile:
 Ap—0 to 4 inches; loamy sand
 BA—4 to 17 inches; sandy loam
 Bt—17 to 44 inches; sandy clay loam
 Btkb—44 to 60 inches; silt loam

Minor components

Olneest and similar soils
Extent: About 3 percent of the unit
Slope: 1 to 3 percent
Drainage class: Well drained
Ecological site: Sandy Plains
 Otero and similar soils
Extent: About 3 percent of the unit
Slope: 1 to 5 percent
Drainage class: Somewhat excessively drained
Ecological site: Sandy Plains
 Platner and similar soils
Extent: About 3 percent of the unit
Slope: 0 to 3 percent
Drainage class: Well drained
Ecological site: Loamy Plains
 Pleasant and similar soils
Extent: About 3 percent of the unit
Slope: 0 to 1 percent

Drainage class: Moderately well drained

Ecological site: Plains Swale

Vona and similar soils

Extent: About 3 percent of the unit

Slope: 1 to 5 percent

Drainage class: Somewhat excessively drained

Ecological site: Sandy Plains

110—Ascalon-Haxtun complex, dry, 0 to 3 percent slopes

Map Unit Composition

Ascalon and similar soils: 55 percent

Haxtun and similar soils: 30 percent

Minor components: 15 percent

Component Descriptions

Ascalon

MLRA: 69—Upper Arkansas Valley Rolling Plains

Landform: Plains

Parent material: Eolian deposits

Slope: 0 to 3 percent

Drainage class: Well drained

Slowest permeability class: Moderate

Available water capacity: Moderate (about 8.8 inches)

Shrink-swell potential: Low (about 1.5 LEP)

Flooding hazard: None

Depth to seasonal zone of saturation: Greater than 6 feet

Runoff class: Low

Ecological site: Sandy Plains

Land capability (nonirrigated): 4c

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

Haxtun

MLRA: 69—Upper Arkansas Valley Rolling Plains

Landform: Drainageways

Parent material: Alluvium and/or eolian deposits

Slope: 0 to 3 percent

Drainage class: Well drained

Slowest permeability class: Moderately slow

Available water capacity: Moderate (about 8.8 inches)

Shrink-swell potential: Low (about 1.5 LEP)

Flooding hazard: None

Depth to seasonal zone of saturation: Greater than 6 feet

Runoff class: Low

Ecological site: Sandy Plains

Land capability (nonirrigated): 4c

Typical profile:

Ap—0 to 4 inches; loamy sand

BA—4 to 17 inches; sandy loam

Bt—17 to 44 inches; sandy clay loam

Btkb—44 to 60 inches; silt loam

Minor components

Apishapa and similar soils

Extent: About 3 percent of the unit

Slope: 0 to 3 percent

Drainage class: Somewhat poorly drained

Ecological site: Plains Swale

Karval and similar soils

Extent: About 3 percent of the unit

Slope: 1 to 7 percent

Drainage class: Excessively drained

Ecological site: Gravel Breaks

Oterodry and similar soils

Extent: About 3 percent of the unit

Slope: 5 to 9 percent

Drainage class: Somewhat excessively drained

Ecological site: Sandy Plains

Platner and similar soils

Extent: About 3 percent of the unit

Slope: 0 to 3 percent

Drainage class: Well drained

Ecological site: Loamy Plains

Vonid and similar soils

Extent: About 3 percent of the unit

Slope: 1 to 5 percent

Drainage class: Somewhat excessively drained

Ecological site: Sandy Plains

Additional feature

- Blowouts occur in areas of this map unit.

111—Bacid silt loam, 0 to 2 percent slopes

Map Unit Composition

Bacid and similar soils: 85 percent

Minor components: 15 percent

Component Descriptions

Bacid

MLRA: 69—Upper Arkansas Valley Rolling Plains

Landform: Plains

Parent material: Loess

Slope: 0 to 2 percent