

Description of Epping

Setting

Landform: Plains

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Calcareous loamy residuum weathered from siltstone

Properties and qualities

Slope: 0 to 9 percent

Depth to restrictive feature: 10 to 20 inches to paralithic bedrock

Drainage class: Well drained

Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 15 percent

Available water capacity: Very low (about 2.9 inches)

Interpretive groups

Land capability (nonirrigated): 6s

Ecological site: Shallow Siltstone (R067BY039CO)

Typical profile

0 to 3 inches: Silt loam

3 to 17 inches: Silt loam

17 to 20 inches: Weathered bedrock

Minor Components

Keota

Percent of map unit: 5 percent

Thedalund

Percent of map unit: 4 percent

Mitchell

Percent of map unit: 3 percent

Kim

Percent of map unit: 3 percent

29—Haverson loam, 0 to 3 percent slopes

Map Unit Setting

Elevation: 3,500 to 6,000 feet

Mean annual precipitation: 12 to 17 inches

Mean annual air temperature: 46 to 54 degrees F

Frost-free period: 125 to 180 days

Map Unit Composition

Haverson and similar soils: 90 percent

Minor components: 10 percent

Description of Haverson

Setting

Landform: Stream terraces, flood plains

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Stratified, calcareous loamy alluvium

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high
(0.57 to 2.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 15 percent

Gypsum, maximum content: 1 percent

Maximum salinity: Nonsaline to slightly saline (0.0 to 8.0 mmhos/cm)

Available water capacity: High (about 9.6 inches)

Interpretive groups

Land capability (nonirrigated): 4c

Ecological site: Overflow (R067BY036CO)

Other vegetative classification: OVERFLOW (067BY036CO)

Typical profile

0 to 12 inches: Loam

12 to 60 inches: Stratified sandy loam to loam

Minor Components

Nunn

Percent of map unit: 6 percent

Fluvaquentic haplustolls

Percent of map unit: 4 percent

Landform: Terraces

32—Kim-Mitchell complex, 6 to 9 percent slopes

Map Unit Setting

Elevation: 3,500 to 6,500 feet

Mean annual precipitation: 11 to 17 inches

Mean annual air temperature: 46 to 54 degrees F

Frost-free period: 120 to 160 days