

Custom Soil Resource Report

Across-slope shape: Linear

Parent material: Colluvium and alluvium derived from sandstone

Properties and qualities

Slope: 3 to 12 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
(0.60 to 2.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 40 percent

Maximum salinity: Nonsaline (0.0 to 2.0 mmhos/cm)

Available water capacity: Low (about 5.4 inches)

Interpretive groups

Land capability (nonirrigated): 6s

Ecological site: Shallow Slopes (R034XY307CO)

Typical profile

0 to 2 inches: Gravelly sandy loam

2 to 16 inches: Gravelly sandy clay loam

16 to 30 inches: Very gravelly sandy loam, very cobbly sandy loam

30 to 60 inches: Very gravelly sandy loam

77—Forelle loam, 3 to 12 percent slopes

Map Unit Setting

Elevation: 6,200 to 7,200 feet

Mean annual precipitation: 11 to 13 inches

Mean annual air temperature: 42 to 45 degrees F

Frost-free period: 75 to 95 days

Map Unit Composition

Forelle and similar soils: 85 percent

Description of Forelle

Setting

Landform: Structural benches

Landform position (three-dimensional): Tread

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Loess and in alluvium derived from shale and sandstone

Properties and qualities

Slope: 3 to 12 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
(0.60 to 2.00 in/hr)

Depth to water table: More than 80 inches

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Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 15 percent
Maximum salinity: Nonsaline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 5.0
Available water capacity: High (about 9.9 inches)

Interpretive groups

Land capability (nonirrigated): 4e
Ecological site: Rolling Loam (R034XY298CO)

Typical profile

0 to 5 inches: Loam
5 to 23 inches: Clay loam
23 to 51 inches: Loam
51 to 60 inches: Sandy loam

78—Forelle loam, 12 to 25 percent slopes

Map Unit Setting

Elevation: 6,200 to 7,000 feet
Mean annual precipitation: 11 to 13 inches
Mean annual air temperature: 42 to 45 degrees F
Frost-free period: 75 to 95 days

Map Unit Composition

Forelle and similar soils: 85 percent

Description of Forelle

Setting

Landform: Hillslopes
Landform position (three-dimensional): Side slope
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Loess

Properties and qualities

Slope: 12 to 25 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
(0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 15 percent
Maximum salinity: Nonsaline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 5.0
Available water capacity: High (about 9.9 inches)

Interpretive groups

Land capability (nonirrigated): 6e