

Natural Resources Conservation Service A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for Lawrence County, Missouri

Ricky Stine 155 acre farm



Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (http://offices.sc.egov.usda.gov/locator/app?agency=nrcs) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

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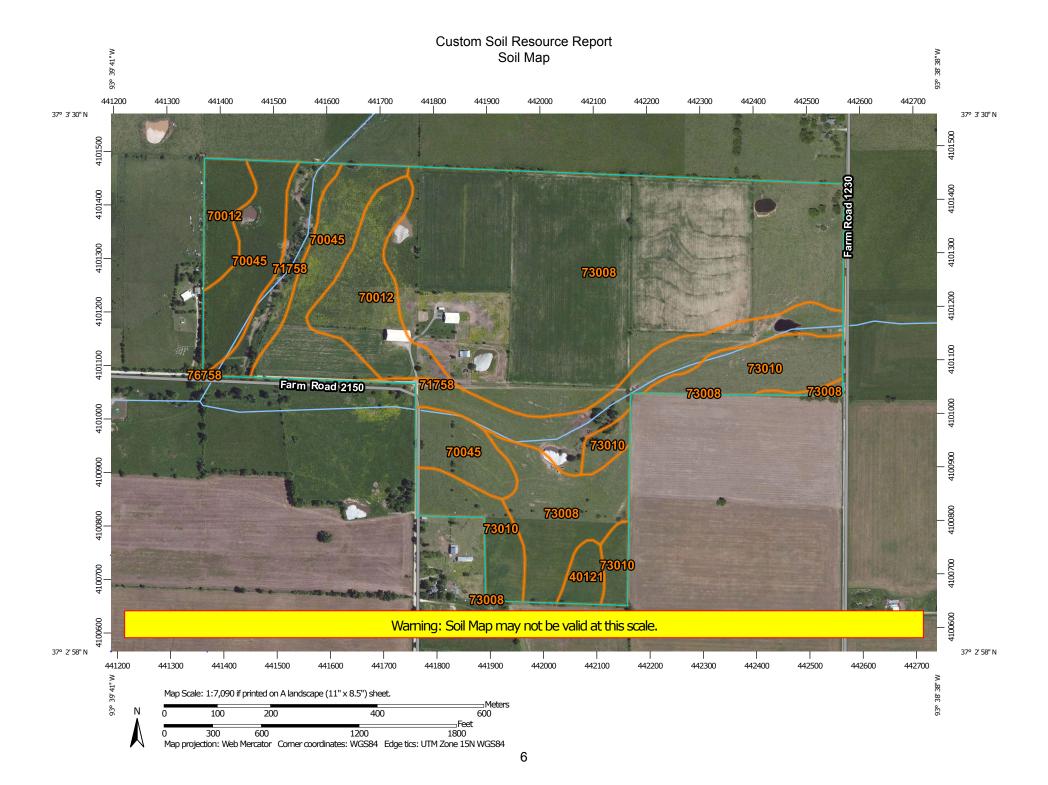
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Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.



MAP LEGEND

Area of Interest (AOI)

Area of Interest (AOI)

Soils

Soil Map Unit Polygons



Soil Map Unit Lines



Soil Map Unit Points

Special Point Features

Blowout

Borrow Pit

Clay Spot 36

 \Diamond Closed Depression

× Gravel Pit

Gravelly Spot

Landfill

Lava Flow

Marsh or swamp

Mine or Quarry

Miscellaneous Water

Perennial Water

Rock Outcrop

Saline Spot

Sandy Spot

Severely Eroded Spot

Sinkhole

Slide or Slip

Sodic Spot

Spoil Area Stony Spot



Very Stony Spot



Wet Spot Other



Special Line Features

Water Features

Streams and Canals

Transportation

Rails ---

Interstate Highways







Background



Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service Web Soil Survey URL: http://websoilsurvey.nrcs.usda.gov Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Lawrence County, Missouri Survey Area Data: Version 15, Sep 14, 2015

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Mar 12, 2011—Jul 19, 2011

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Lawrence County, Missouri (MO109)				
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI	
40121	Hepler silt loam, 0 to 3 percent slopes, frequently flooded	1.9	1.2%	
70012	Hoberg silt loam, 2 to 5 percent slopes	14.0	9.0%	
70045	Keeno gravelly silt loam, 3 to 8 percent slopes	23.0	14.8%	
71758	Secesh-Cedargap complex, 1 to 3 percent slopes, frequently flooded	17.9	11.5%	
73008	Viraton silt loam, 2 to 5 percent slopes	82.8	53.4%	
73010	Wilderness gravelly silt loam, 3 to 8 percent slopes	15.6	10.1%	
76758	Secesh-Cedargap complex, 0 to 2 percent slopes, frequently flooded	0.0	0.0%	
Totals for Area of Interest		155.2	100.0%	

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified

by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An association is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Lawrence County, Missouri

40121—Hepler silt loam, 0 to 3 percent slopes, frequently flooded

Map Unit Setting

National map unit symbol: 2w7kw Elevation: 870 to 1,200 feet

Mean annual precipitation: 33 to 51 inches Mean annual air temperature: 54 to 60 degrees F

Frost-free period: 184 to 236 days

Farmland classification: Not prime farmland

Map Unit Composition

Hepler and similar soils: 90 percent Minor components: 10 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Hepler

Setting

Landform: Drainageways

Landform position (three-dimensional): Tread

Down-slope shape: Linear Across-slope shape: Linear Parent material: Silty alluvium

Typical profile

Ap - 0 to 9 inches: silt loam E - 9 to 25 inches: silt loam

Btg1 - 25 to 29 inches: silty clay loam Btg2 - 29 to 40 inches: silty clay loam BC - 40 to 79 inches: silty clay loam

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches Natural drainage class: Somewhat poorly drained

Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high

(0.20 to 1.98 in/hr)

Depth to water table: About 12 to 24 inches

Frequency of flooding: Frequent Frequency of ponding: None

Salinity, maximum in profile: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Available water storage in profile: High (about 11.2 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 5w

Hydrologic Soil Group: C/D

Ecological site: Wet Upland Drainageway Prairie (R112XY054MO)

Hydric soil rating: No

Minor Components

Osage

Percent of map unit: 5 percent

Landform: Flood plains

Landform position (three-dimensional): Tread

Down-slope shape: Linear Across-slope shape: Linear

Ecological site: Clay Lowland (PE 35-42) (R112XY004KS)

Hydric soil rating: Yes

Verdigris

Percent of map unit: 3 percent

Landform: Flood plains

Landform position (three-dimensional): Tread

Down-slope shape: Linear Across-slope shape: Linear

Ecological site: Loamy Lowland (Draft) (PE 35-42) (R112XY013KS)

Hydric soil rating: No

Parsons

Percent of map unit: 2 percent

Landform: Divides

Landform position (two-dimensional): Summit Landform position (three-dimensional): Interfluve

Down-slope shape: Concave Across-slope shape: Concave

Ecological site: Claypan Summit Prairie (R112XY011MO)

Hydric soil rating: No

70012—Hoberg silt loam, 2 to 5 percent slopes

Map Unit Setting

National map unit symbol: 2qpbn Elevation: 800 to 1.250 feet

Mean annual precipitation: 41 to 45 inches Mean annual air temperature: 55 to 57 degrees F

Frost-free period: 194 to 221 days

Farmland classification: All areas are prime farmland

Map Unit Composition

Hoberg and similar soils: 90 percent Minor components: 2 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Hoberg

Setting

Landform: Interfluves

Landform position (two-dimensional): Summit Landform position (three-dimensional): Crest

Down-slope shape: Convex Across-slope shape: Convex

Parent material: Loess over pedisediment over residuum weathered from limestone

Typical profile

Ap - 0 to 12 inches: silt loam Bt - 12 to 26 inches: silt loam

2Btx - 26 to 42 inches: extremely cobbly silty clay loam

3Bt - 42 to 80 inches: extremely cobbly clay

Properties and qualities

Slope: 2 to 5 percent

Depth to restrictive feature: 20 to 36 inches to fragipan Natural drainage class: Moderately well drained

Runoff class: Medium

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: About 12 to 36 inches

Frequency of flooding: None Frequency of ponding: None

Salinity, maximum in profile: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Available water storage in profile: Low (about 5.3 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 2e

Hydrologic Soil Group: C

Ecological site: Chert Upland Prairie (R116BY021MO)

Other vegetative classification: Mixed/Transitional (Mixed Native Vegetation)

Hydric soil rating: No

Minor Components

Sacville

Percent of map unit: 2 percent

Landform: Hillslopes

Landform position (two-dimensional): Footslope Landform position (three-dimensional): Base slope

Down-slope shape: Concave Across-slope shape: Concave

Other vegetative classification: Grass/Prairie (Herbaceous Vegetation)

Hydric soil rating: Yes

70045—Keeno gravelly silt loam, 3 to 8 percent slopes

Map Unit Setting

National map unit symbol: 2qpc6 Elevation: 800 to 1,300 feet

Mean annual precipitation: 41 to 45 inches Mean annual air temperature: 55 to 57 degrees F

Frost-free period: 194 to 221 days

Farmland classification: Not prime farmland

Map Unit Composition

Keeno and similar soils: 90 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Keeno

Setting

Landform: Hillslopes

Landform position (two-dimensional): Shoulder Landform position (three-dimensional): Side slope

Down-slope shape: Convex Across-slope shape: Linear

Parent material: Colluvium over pedisediment over residuum weathered from

limestone

Typical profile

A - 0 to 6 inches: gravelly silt loam

Bt - 6 to 19 inches: very gravelly silty clay loam 2Btx - 19 to 29 inches: extremely gravelly silt loam 3Bt - 29 to 80 inches: extremely gravelly clay

Properties and qualities

Slope: 3 to 8 percent

Depth to restrictive feature: 18 to 36 inches to fragipan Natural drainage class: Moderately well drained

Runoff class: Very high

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: About 18 to 30 inches

Frequency of flooding: None Frequency of ponding: None

Salinity, maximum in profile: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Available water storage in profile: Very low (about 2.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 4s

Hydrologic Soil Group: D

Ecological site: Chert Upland Prairie (R116BY021MO)

Other vegetative classification: Grass/Prairie (Herbaceous Vegetation)

Hydric soil rating: No

71758—Secesh-Cedargap complex, 1 to 3 percent slopes, frequently flooded

Map Unit Setting

National map unit symbol: 2qpf2

Elevation: 500 to 800 feet

Mean annual precipitation: 41 to 45 inches Mean annual air temperature: 55 to 57 degrees F

Frost-free period: 194 to 221 days

Farmland classification: All areas are prime farmland

Map Unit Composition

Secesh and similar soils: 50 percent Cedargap and similar soils: 35 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Secesh

Setting

Landform: Drainageways

Landform position (three-dimensional): Tread

Down-slope shape: Linear Across-slope shape: Linear Parent material: Alluvium

Typical profile

Ap - 0 to 8 inches: silt loam Bt1 - 8 to 25 inches: silt loam

2Bt2 - 25 to 33 inches: gravelly clay loam

2Bt3 - 33 to 80 inches: very gravelly sandy clay loam

Properties and qualities

Slope: 1 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

(0.57 to 1.98 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: Rare Frequency of ponding: None

Salinity, maximum in profile: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Available water storage in profile: Moderate (about 8.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 2w

Hydrologic Soil Group: B

Ecological site: Gravelly/Loamy Upland Drainageway Woodland (F116BY017MO) Other vegetative classification: Mixed/Transitional (Mixed Native Vegetation)

Hydric soil rating: No

Description of Cedargap

Setting

Landform: Drainageways
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium

Typical profile

Ap - 0 to 8 inches: silt loam

A - 8 to 28 inches: very gravelly silt loam

C - 28 to 80 inches: very gravelly silty clay loam

Properties and qualities

Slope: 1 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

(0.57 to 1.98 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: Frequent Frequency of ponding: None

Salinity, maximum in profile: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Available water storage in profile: Moderate (about 7.3 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 3w

Hydrologic Soil Group: B

Ecological site: Gravelly/Loamy Upland Drainageway Woodland (F116BY017MO) Other vegetative classification: Mixed/Transitional (Mixed Native Vegetation)

Hydric soil rating: No

73008—Viraton silt loam, 2 to 5 percent slopes

Map Unit Setting

National map unit symbol: 2qpf6 Elevation: 800 to 1,500 feet

Mean annual precipitation: 39 to 49 inches Mean annual air temperature: 54 to 59 degrees F

Frost-free period: 172 to 232 days

Farmland classification: All areas are prime farmland

Map Unit Composition

Viraton and similar soils: 95 percent Minor components: 4 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Viraton

Setting

Landform: Ridges

Landform position (two-dimensional): Summit Landform position (three-dimensional): Crest

Down-slope shape: Convex Across-slope shape: Convex

Parent material: Loess over pedisediment over residuum weathered from limestone

Typical profile

Ap - 0 to 6 inches: silt loam Bt - 6 to 21 inches: silt loam

2Btx - 21 to 30 inches: very gravelly silty clay loam

3Bt - 30 to 80 inches: gravelly clay

Properties and qualities

Slope: 2 to 5 percent

Depth to restrictive feature: 18 to 33 inches to fragipan Natural drainage class: Moderately well drained

Runoff class: High

Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately

low (0.00 to 0.06 in/hr)

Depth to water table: About 18 to 30 inches

Frequency of flooding: None Frequency of ponding: None

Salinity, maximum in profile: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Available water storage in profile: Low (about 4.3 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 2e

Hydrologic Soil Group: D

Ecological site: Fragipan Upland Woodland (F116AY004MO)
Other vegetative classification: Trees/Timber (Woody Vegetation)

Hydric soil rating: No

Minor Components

Bado

Percent of map unit: 2 percent Landform: Depressions Down-slope shape: Concave Across-slope shape: Concave

Other vegetative classification: Trees/Timber (Woody Vegetation)

Hydric soil rating: Yes

Lowassie

Percent of map unit: 2 percent

Landform: Sinkholes

Landform position (two-dimensional): Toeslope Landform position (three-dimensional): Base slope

Down-slope shape: Concave Across-slope shape: Concave

Other vegetative classification: Trees/Timber (Woody Vegetation)

Hydric soil rating: Yes

73010—Wilderness gravelly silt loam, 3 to 8 percent slopes

Map Unit Setting

National map unit symbol: 2vxwj Elevation: 900 to 1.200 feet

Mean annual precipitation: 39 to 49 inches
Mean annual air temperature: 54 to 59 degrees F

Frost-free period: 172 to 232 days

Farmland classification: Not prime farmland

Map Unit Composition

Wilderness and similar soils: 95 percent

Minor components: 5 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Wilderness

Setting

Landform: Ridges

Landform position (two-dimensional): Summit Landform position (three-dimensional): Crest

Down-slope shape: Convex Across-slope shape: Convex

Parent material: Slope alluvium over pedisediment over residuum weathered from

dolomite

Typical profile

A - 0 to 6 inches: gravelly silt loam E - 6 to 11 inches: gravelly silt loam

Bt - 11 to 25 inches: extremely gravelly silt loam 2Btx - 25 to 32 inches: very gravelly silt loam

3Bt - 32 to 79 inches: gravelly clay

Properties and qualities

Slope: 3 to 8 percent

Depth to restrictive feature: 15 to 29 inches to fragipan Natural drainage class: Moderately well drained

Runoff class: Very high

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: About 12 to 24 inches

Frequency of flooding: None Frequency of ponding: None

Salinity, maximum in profile: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Available water storage in profile: Low (about 3.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 3w

Hydrologic Soil Group: C/D

Ecological site: Low-Base Chert Upland Woodland (F116AY012MO) Other vegetative classification: Trees/Timber (Woody Vegetation)

Hydric soil rating: No

Minor Components

Viraton

Percent of map unit: 3 percent

Landform: Ridges

Landform position (two-dimensional): Summit Landform position (three-dimensional): Crest

Down-slope shape: Convex Across-slope shape: Convex

Ecological site: Fragipan Upland Woodland (F116AY004MO)

Other vegetative classification: Trees/Timber (Woody Vegetation)

Hydric soil rating: No

Lowassie

Percent of map unit: 2 percent

Landform: Sinkholes

Landform position (two-dimensional): Toeslope Landform position (three-dimensional): Base slope

Down-slope shape: Concave Across-slope shape: Concave

Other vegetative classification: Trees/Timber (Woody Vegetation)

Hydric soil rating: Yes

76758—Secesh-Cedargap complex, 0 to 2 percent slopes, frequently flooded

Map Unit Setting

National map unit symbol: 2rt1q

Elevation: 500 to 800 feet

Mean annual precipitation: 41 to 45 inches Mean annual air temperature: 55 to 57 degrees F

Frost-free period: 194 to 221 days

Farmland classification: All areas are prime farmland

Map Unit Composition

Secesh and similar soils: 50 percent Cedargap and similar soils: 35 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Secesh

Setting

Landform: Stream terraces

Landform position (three-dimensional): Tread

Down-slope shape: Linear Across-slope shape: Linear Parent material: Alluvium

Typical profile

Ap - 0 to 8 inches: silt loam Bt1 - 8 to 25 inches: silt loam

2Bt2 - 25 to 33 inches: gravelly clay loam

2Bt3 - 33 to 80 inches: very gravelly sandy clay loam

Properties and qualities

Slope: 0 to 2 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

(0.57 to 1.98 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: Rare

Frequency of ponding: None

Salinity, maximum in profile: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Available water storage in profile: Moderate (about 8.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 2w

Hydrologic Soil Group: B

Ecological site: Loamy Terrace Woodland (F116BY015MO)

Other vegetative classification: Mixed/Transitional (Mixed Native Vegetation)

Hydric soil rating: No

Description of Cedargap

Setting

Landform: Flood plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium

Typical profile

Ap - 0 to 8 inches: silt loam

A - 8 to 28 inches: very gravelly silt loam

C - 28 to 80 inches: very gravelly silty clay loam

Properties and qualities

Slope: 0 to 2 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

(0.57 to 1.98 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: Frequent Frequency of ponding: None

Salinity, maximum in profile: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Available water storage in profile: Moderate (about 7.3 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 3w

Hydrologic Soil Group: B

Ecological site: Sandy/Gravelly Floodplain Forest (F116BY029MO)

Other vegetative classification: Mixed/Transitional (Mixed Native Vegetation)

Hydric soil rating: No