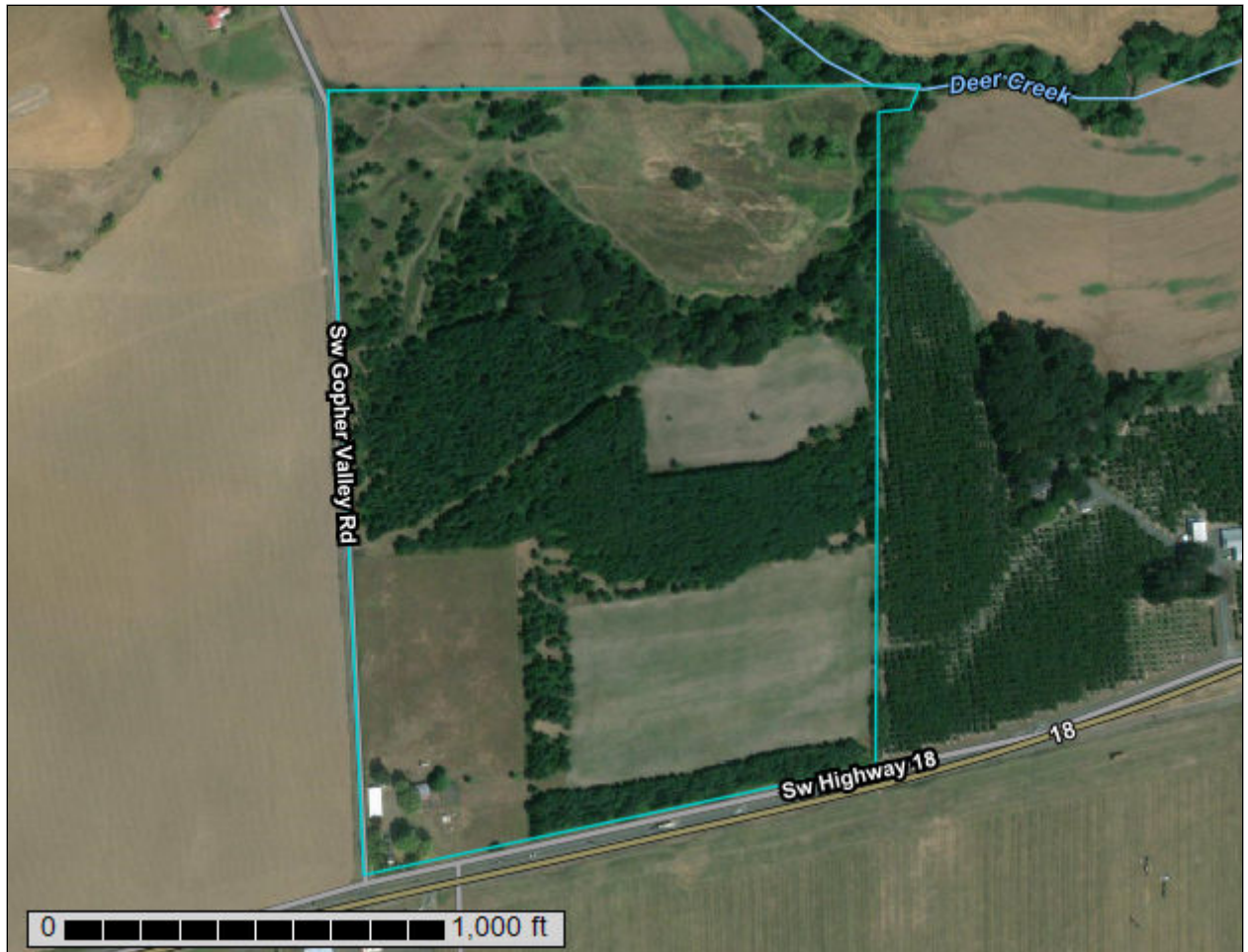


# Custom Soil Resource Report for Yamhill County, Oregon



# 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 (<https://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](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.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or a part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.) Persons with disabilities who require

alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD). To file a complaint of discrimination, write to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410 or call (800) 795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer.

# Contents

---

<b>Preface</b> .....	2
<b>Soil Map</b> .....	5
Soil Map (approximate boundaries 22331 SW Gopher Valley Rd Sheridan, OR).....	6
Legend.....	7
Map Unit Legend (approximate boundaries 22331 SW Gopher Valley Rd Sheridan, OR).....	8
Map Unit Descriptions (approximate boundaries 22331 SW Gopher Valley Rd Sheridan, OR).....	8
Yamhill County, Oregon.....	10
2002A—Chehalis silty clay loam, 0 to 3 percent slopes.....	10
2012A—Waldo silty clay loam, 0 to 3 percent slopes.....	11
2301A—Amity silt loam, 0 to 3 percent slopes.....	13
2310A—Woodburn silt loam, 0 to 3 percent slopes.....	14
2310C—Woodburn silt loam, 3 to 12 percent slopes.....	16
2310D—Woodburn silt loam, 12 to 20 percent slopes.....	17
2310F—Woodburn silt loam, 20 to 55 percent slopes.....	18

# 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.

Custom Soil Resource Report  
 Soil Map (approximate boundaries 22331 SW Gopher Valley Rd Sheridan, OR)




Map Scale: 1:3,700 if printed on A portrait (8.5" x 11") sheet.





### 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


 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

 US Routes

 Major Roads

 Local Roads

**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:  
 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: Yamhill County, Oregon  
 Survey Area Data: Version 6, Sep 18, 2018

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

Date(s) aerial images were photographed: Apr 16, 2015—Feb 12, 2017

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 (approximate boundaries 22331 SW Gopher Valley Rd Sheridan, OR)

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
2002A	Chehalis silty clay loam, 0 to 3 percent slopes	5.4	8.7%
2012A	Waldo silty clay loam, 0 to 3 percent slopes	5.4	8.6%
2301A	Amity silt loam, 0 to 3 percent slopes	6.7	10.7%
2310A	Woodburn silt loam, 0 to 3 percent slopes	22.5	36.0%
2310C	Woodburn silt loam, 3 to 12 percent slopes	12.9	20.7%
2310D	Woodburn silt loam, 12 to 20 percent slopes	5.4	8.7%
2310F	Woodburn silt loam, 20 to 55 percent slopes	4.1	6.6%
<b>Totals for Area of Interest</b>		<b>62.3</b>	<b>100.0%</b>

## Map Unit Descriptions (approximate boundaries 22331 SW Gopher Valley Rd Sheridan, OR)

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



## Custom Soil Resource Report

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.

## Yamhill County, Oregon

### 2002A—Chehalis silty clay loam, 0 to 3 percent slopes

#### Map Unit Setting

*National map unit symbol:* 2dgl4  
*Elevation:* 30 to 1,000 feet  
*Mean annual precipitation:* 40 to 60 inches  
*Mean annual air temperature:* 50 to 54 degrees F  
*Frost-free period:* 165 to 210 days  
*Farmland classification:* All areas are prime farmland

#### Map Unit Composition

*Chehalis and similar soils:* 91 percent  
*Minor components:* 9 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Chehalis

##### Setting

*Landform:* Flood plains  
*Landform position (three-dimensional):* Tread  
*Down-slope shape:* Linear  
*Across-slope shape:* Convex, concave  
*Parent material:* Silty and loamy alluvium

##### Typical profile

*Ap - 0 to 8 inches:* silty clay loam  
*A - 8 to 16 inches:* silty clay loam  
*Bw1 - 16 to 38 inches:* silty clay loam  
*Bw2 - 38 to 45 inches:* silty clay loam  
*C - 45 to 60 inches:* stratified fine sandy loam to silty clay loam

##### Properties and qualities

*Slope:* 0 to 3 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Well drained  
*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:* Occasional  
*Frequency of ponding:* None  
*Available water storage in profile:* Very high (about 12.2 inches)

##### Interpretive groups

*Land capability classification (irrigated):* 2w  
*Land capability classification (nonirrigated):* 2w  
*Hydrologic Soil Group:* B  
*Forage suitability group:* Well drained < 15% Slopes (G002XY002OR)  
*Hydric soil rating:* No

#### Minor Components

##### Mcbee

*Percent of map unit:* 3 percent  
*Landform:* Flood plains

## Custom Soil Resource Report

*Landform position (three-dimensional):* Tread  
*Down-slope shape:* Linear  
*Across-slope shape:* Concave  
*Hydric soil rating:* No

### **Camas**

*Percent of map unit:* 2 percent  
*Landform:* Flood plains  
*Landform position (three-dimensional):* Tread  
*Down-slope shape:* Convex, linear  
*Across-slope shape:* Convex  
*Hydric soil rating:* No

### **Newberg**

*Percent of map unit:* 2 percent  
*Landform:* Flood plains  
*Landform position (three-dimensional):* Tread  
*Down-slope shape:* Linear  
*Across-slope shape:* Convex  
*Hydric soil rating:* No

### **Wapato**

*Percent of map unit:* 2 percent  
*Landform:* Flood plains  
*Landform position (three-dimensional):* Tread  
*Down-slope shape:* Linear  
*Across-slope shape:* Concave  
*Hydric soil rating:* Yes

## **2012A—Waldo silty clay loam, 0 to 3 percent slopes**

### **Map Unit Setting**

*National map unit symbol:* 1lym1  
*Elevation:* 100 to 900 feet  
*Mean annual precipitation:* 40 to 60 inches  
*Mean annual air temperature:* 50 to 54 degrees F  
*Frost-free period:* 165 to 210 days  
*Farmland classification:* Farmland of statewide importance

### **Map Unit Composition**

*Waldo and similar soils:* 86 percent  
*Minor components:* 14 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

### **Description of Waldo**

#### **Setting**

*Landform:* Flood plains  
*Landform position (three-dimensional):* Tread  
*Down-slope shape:* Linear  
*Across-slope shape:* Concave, linear

## Custom Soil Resource Report

*Parent material:* Clayey alluvium

### Typical profile

*Ap - 0 to 8 inches:* silty clay loam  
*A2 - 8 to 13 inches:* silty clay loam  
*BAg - 13 to 19 inches:* silty clay  
*Bg - 19 to 40 inches:* silty clay  
*BCg - 40 to 50 inches:* silty clay  
*Cg - 50 to 60 inches:* silty clay

### Properties and qualities

*Slope:* 0 to 3 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Poorly 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:* About 0 to 8 inches  
*Frequency of flooding:* Occasional  
*Frequency of ponding:* Frequent  
*Available water storage in profile:* High (about 10.5 inches)

### Interpretive groups

*Land capability classification (irrigated):* 3w  
*Land capability classification (nonirrigated):* 3w  
*Hydrologic Soil Group:* C/D  
*Forage suitability group:* Poorly Drained (G002XY006OR)  
*Hydric soil rating:* Yes

### Minor Components

#### **Chehalem, occasionally flooded**

*Percent of map unit:* 5 percent  
*Landform:* Flood plains  
*Landform position (three-dimensional):* Tread  
*Down-slope shape:* Linear  
*Across-slope shape:* Convex, linear  
*Hydric soil rating:* No

#### **Wapato**

*Percent of map unit:* 5 percent  
*Landform:* Flood plains  
*Landform position (three-dimensional):* Tread  
*Down-slope shape:* Linear  
*Across-slope shape:* Concave, linear  
*Hydric soil rating:* Yes

#### **Mcbee**

*Percent of map unit:* 2 percent  
*Landform:* Flood plains  
*Landform position (three-dimensional):* Tread  
*Down-slope shape:* Linear  
*Across-slope shape:* Convex  
*Hydric soil rating:* No

#### **Chehalis**

*Percent of map unit:* 1 percent  
*Landform:* Flood plains  
*Landform position (three-dimensional):* Tread

## Custom Soil Resource Report

*Down-slope shape:* Linear  
*Across-slope shape:* Convex  
*Hydric soil rating:* No

### **Waldo, nonflooded**

*Percent of map unit:* 1 percent  
*Landform:* Alluvial fans  
*Landform position (three-dimensional):* Tread  
*Down-slope shape:* Linear  
*Across-slope shape:* Concave  
*Hydric soil rating:* Yes

## **2301A—Amity silt loam, 0 to 3 percent slopes**

### **Map Unit Setting**

*National map unit symbol:* 1j8b1  
*Elevation:* 150 to 400 feet  
*Mean annual precipitation:* 40 to 50 inches  
*Mean annual air temperature:* 50 to 54 degrees F  
*Frost-free period:* 165 to 210 days  
*Farmland classification:* Prime farmland if drained

### **Map Unit Composition**

*Amity and similar soils:* 96 percent  
*Minor components:* 4 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

### **Description of Amity**

#### **Setting**

*Landform:* Terraces  
*Landform position (three-dimensional):* Tread  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear, concave  
*Parent material:* Silty glaciolacustrine deposits

#### **Typical profile**

*Ap - 0 to 7 inches:* silt loam  
*A - 7 to 16 inches:* silt loam  
*E - 16 to 22 inches:* silt loam  
*Bt1 - 22 to 28 inches:* silty clay loam  
*Bt2 - 28 to 35 inches:* silty clay loam  
*C - 35 to 72 inches:* silt 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 (0.20 to 0.57 in/hr)  
*Depth to water table:* About 16 to 22 inches

## Custom Soil Resource Report

*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Available water storage in profile:* Very high (about 12.2 inches)

### Interpretive groups

*Land capability classification (irrigated):* 2w  
*Land capability classification (nonirrigated):* 2w  
*Hydrologic Soil Group:* C/D  
*Forage suitability group:* Somewhat Poorly Drained (G002XY005OR)  
*Hydric soil rating:* No

### Minor Components

#### Dayton

*Percent of map unit:* 3 percent  
*Landform:* Terraces  
*Landform position (three-dimensional):* Tread  
*Down-slope shape:* Linear  
*Across-slope shape:* Concave  
*Hydric soil rating:* Yes

#### Willamette

*Percent of map unit:* 1 percent  
*Landform:* Terraces  
*Landform position (three-dimensional):* Tread  
*Down-slope shape:* Linear  
*Across-slope shape:* Convex  
*Hydric soil rating:* No

## 2310A—Woodburn silt loam, 0 to 3 percent slopes

### Map Unit Setting

*National map unit symbol:* 1j8b4  
*Elevation:* 100 to 290 feet  
*Mean annual precipitation:* 40 to 50 inches  
*Mean annual air temperature:* 50 to 54 degrees F  
*Frost-free period:* 165 to 210 days  
*Farmland classification:* All areas are prime farmland

### Map Unit Composition

*Woodburn and similar soils:* 93 percent  
*Minor components:* 7 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

### Description of Woodburn

#### Setting

*Landform:* Terraces  
*Landform position (three-dimensional):* Tread  
*Down-slope shape:* Linear  
*Across-slope shape:* Convex, linear

## Custom Soil Resource Report

*Parent material:* Silty glaciolacustrine deposits

### Typical profile

*Ap - 0 to 9 inches:* silt loam  
*A - 9 to 17 inches:* silt loam  
*2Bt1 - 17 to 25 inches:* silty clay loam  
*2Bt2 - 25 to 32 inches:* silty clay loam  
*2BCt1 - 32 to 39 inches:* silt loam  
*2BCt2 - 39 to 54 inches:* silt loam  
*2C1 - 54 to 68 inches:* silt loam  
*2C2 - 68 to 80 inches:* stratified fine sandy loam to silt loam  
*3C3 - 80 to 92 inches:* stratified fine sandy loam to silt loam

### Properties and qualities

*Slope:* 0 to 3 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Moderately well 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 25 to 32 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Available water storage in profile:* Very high (about 12.2 inches)

### Interpretive groups

*Land capability classification (irrigated):* 1  
*Land capability classification (nonirrigated):* 1  
*Hydrologic Soil Group:* C  
*Forage suitability group:* Moderately Well Drained < 15% Slopes (G002XY004OR)  
*Hydric soil rating:* No

### Minor Components

#### Amity

*Percent of map unit:* 5 percent  
*Landform:* Terraces  
*Landform position (three-dimensional):* Tread  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear, concave  
*Hydric soil rating:* No

#### Dayton

*Percent of map unit:* 2 percent  
*Landform:* Terraces  
*Landform position (three-dimensional):* Tread  
*Down-slope shape:* Linear  
*Across-slope shape:* Concave  
*Hydric soil rating:* Yes

## 2310C—Woodburn silt loam, 3 to 12 percent slopes

### Map Unit Setting

*National map unit symbol:* 1j8b5

*Elevation:* 100 to 350 feet

*Mean annual precipitation:* 40 to 50 inches

*Mean annual air temperature:* 50 to 54 degrees F

*Frost-free period:* 165 to 210 days

*Farmland classification:* Farmland of statewide importance

### Map Unit Composition

*Woodburn and similar soils:* 93 percent

*Minor components:* 7 percent

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

### Description of Woodburn

#### Setting

*Landform:* Terraces

*Landform position (three-dimensional):* Tread

*Down-slope shape:* Convex, linear

*Across-slope shape:* Linear

*Parent material:* Silty glaciolacustrine deposits

#### Typical profile

*Ap - 0 to 9 inches:* silt loam

*A - 9 to 17 inches:* silt loam

*2Bt1 - 17 to 25 inches:* silty clay loam

*2Bt2 - 25 to 32 inches:* silty clay loam

*2BCt1 - 32 to 39 inches:* silt loam

*2BCt2 - 39 to 54 inches:* silt loam

*2C1 - 54 to 68 inches:* silt loam

*2C2 - 68 to 80 inches:* stratified fine sandy loam to silt loam

*3C3 - 80 to 92 inches:* stratified fine sandy loam to silt loam

#### Properties and qualities

*Slope:* 3 to 12 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Moderately well 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 25 to 32 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Available water storage in profile:* Very high (about 12.2 inches)

#### Interpretive groups

*Land capability classification (irrigated):* 4e

*Land capability classification (nonirrigated):* 2e

*Hydrologic Soil Group:* C



## Custom Soil Resource Report

*Forage suitability group:* Moderately Well Drained < 15% Slopes (G002XY004OR)  
*Hydric soil rating:* No

### Minor Components

#### Amity

*Percent of map unit:* 5 percent  
*Landform:* Terraces  
*Landform position (three-dimensional):* Tread  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear, concave  
*Hydric soil rating:* No

#### Dayton

*Percent of map unit:* 2 percent  
*Landform:* Terraces  
*Landform position (three-dimensional):* Tread  
*Down-slope shape:* Linear  
*Across-slope shape:* Concave  
*Hydric soil rating:* Yes

## 2310D—Woodburn silt loam, 12 to 20 percent slopes

### Map Unit Setting

*National map unit symbol:* 1j8b6  
*Elevation:* 100 to 380 feet  
*Mean annual precipitation:* 40 to 50 inches  
*Mean annual air temperature:* 50 to 54 degrees F  
*Frost-free period:* 165 to 210 days  
*Farmland classification:* Farmland of statewide importance

### Map Unit Composition

*Woodburn and similar soils:* 95 percent  
*Minor components:* 5 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

### Description of Woodburn

#### Setting

*Landform:* Terraces  
*Landform position (three-dimensional):* Tread  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Parent material:* Silty glaciolacustrine deposits

#### Typical profile

*Ap - 0 to 9 inches:* silt loam  
*A - 9 to 17 inches:* silt loam  
*2Bt1 - 17 to 25 inches:* silty clay loam  
*2Bt2 - 25 to 32 inches:* silty clay loam  
*2BCt1 - 32 to 39 inches:* silt loam

## Custom Soil Resource Report

2BCt2 - 39 to 54 inches: silt loam  
2C1 - 54 to 68 inches: silt loam  
2C2 - 68 to 80 inches: stratified fine sandy loam to silt loam  
3C3 - 80 to 92 inches: stratified fine sandy loam to silt loam

### Properties and qualities

*Slope:* 12 to 20 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Moderately well 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 25 to 32 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Available water storage in profile:* Very high (about 12.2 inches)

### Interpretive groups

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 3e  
*Hydrologic Soil Group:* C  
*Forage suitability group:* Moderately Well Drained >15% Slopes (G002XY003OR)  
*Hydric soil rating:* No

### Minor Components

#### Amity

*Percent of map unit:* 4 percent  
*Landform:* Terraces  
*Landform position (three-dimensional):* Tread  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear, concave  
*Hydric soil rating:* No

#### Dayton

*Percent of map unit:* 1 percent  
*Landform:* Terraces  
*Landform position (three-dimensional):* Tread  
*Down-slope shape:* Linear  
*Across-slope shape:* Concave  
*Hydric soil rating:* Yes

## 2310F—Woodburn silt loam, 20 to 55 percent slopes

### Map Unit Setting

*National map unit symbol:* 1j8b7  
*Elevation:* 100 to 400 feet  
*Mean annual precipitation:* 40 to 50 inches  
*Mean annual air temperature:* 50 to 54 degrees F  
*Frost-free period:* 165 to 210 days  
*Farmland classification:* Not prime farmland

**Map Unit Composition**

*Woodburn and similar soils: 100 percent*

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

**Description of Woodburn**

**Setting**

*Landform: Terraces*

*Landform position (three-dimensional): Tread*

*Down-slope shape: Convex*

*Across-slope shape: Linear*

*Parent material: Silty glaciolacustrine deposits*

**Typical profile**

*Ap - 0 to 9 inches: silt loam*

*A - 9 to 17 inches: silt loam*

*2Bt1 - 17 to 25 inches: silty clay loam*

*2Bt2 - 25 to 32 inches: silty clay loam*

*2BCt1 - 32 to 39 inches: silt loam*

*2BCt2 - 39 to 54 inches: silt loam*

*2C1 - 54 to 68 inches: silt loam*

*2C2 - 68 to 80 inches: stratified fine sandy loam to silt loam*

*3C3 - 80 to 92 inches: stratified fine sandy loam to silt loam*

**Properties and qualities**

*Slope: 20 to 55 percent*

*Depth to restrictive feature: More than 80 inches*

*Natural drainage class: Moderately well 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 25 to 32 inches*

*Frequency of flooding: None*

*Frequency of ponding: None*

*Available water storage in profile: Very high (about 12.2 inches)*

**Interpretive groups**

*Land capability classification (irrigated): None specified*

*Land capability classification (nonirrigated): 6e*

*Hydrologic Soil Group: C*

*Hydric soil rating: No*