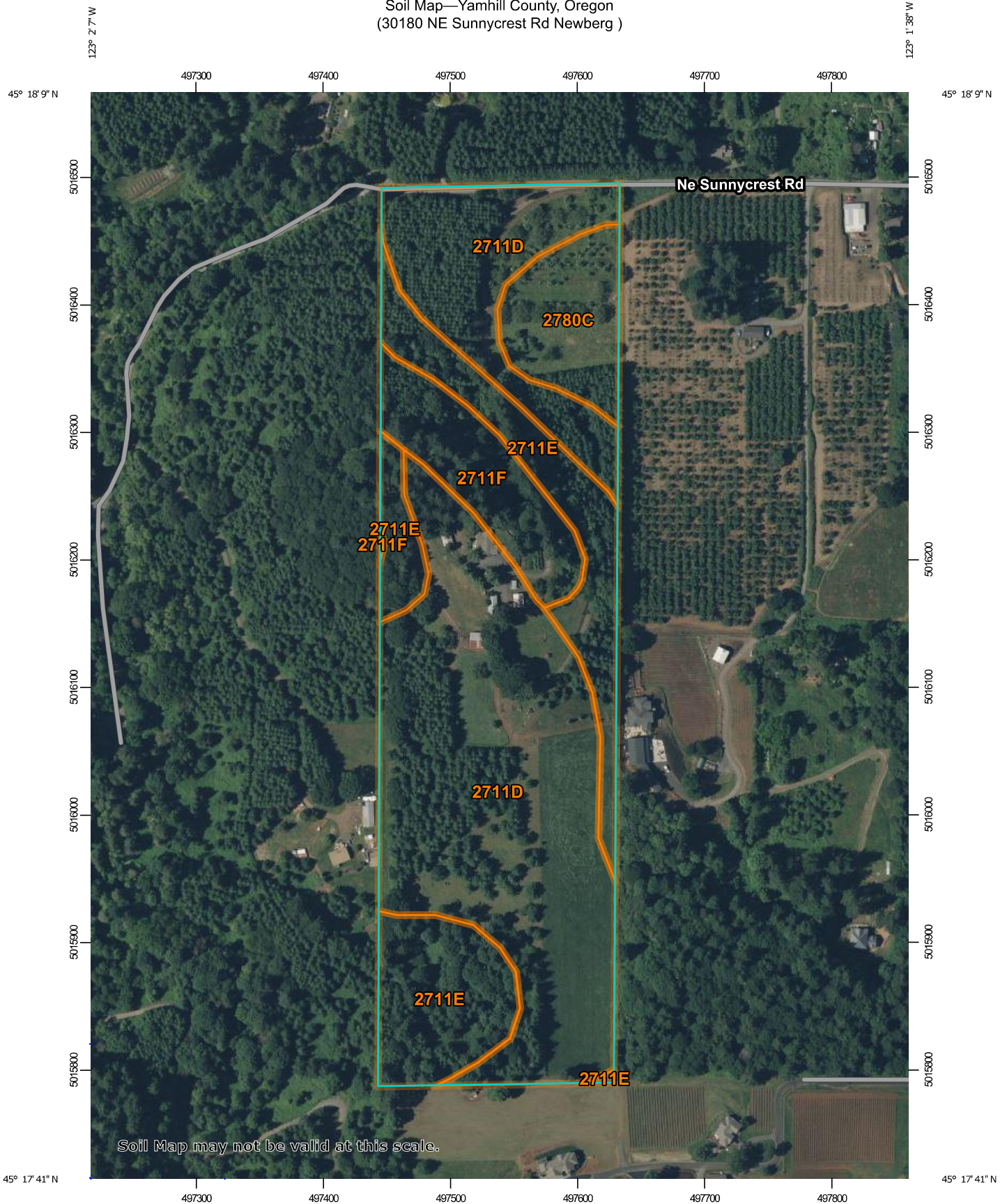
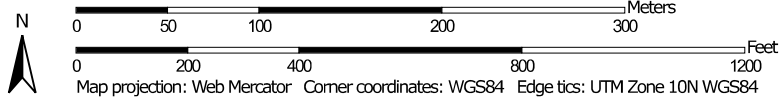


Soil Map—Yamhill County, Oregon  
(30180 NE Sunnycrest Rd Newberg )

































Map Scale: 1:4,140 if printed on A portrait (8.5" x 11") sheet.



Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 10N WGS84



## MAP LEGEND

-  Area of Interest (AOI)
-  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
-  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 12, Sep 8, 2023

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

Date(s) aerial images were photographed: May 28, 2020—Jun 22, 2020

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

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
2711D	Jory silty clay loam, 12 to 20 percent slopes	19.4	59.5%
2711E	Jory silty clay loam, 20 to 30 percent slopes	7.6	23.3%
2711F	Jory silty clay loam, 30 to 60 percent slopes	3.0	9.2%
2780C	Jory-Gelderman silty clay loams, 2 to 12 percent slopes	2.6	8.0%
<b>Totals for Area of Interest</b>		<b>32.6</b>	<b>100.0%</b>

## Yamhill County, Oregon

### 2711D—Jory silty clay loam, 12 to 20 percent slopes

#### Map Unit Setting

*National map unit symbol:* 1j8bj

*Elevation:* 200 to 1,100 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

*Jory and similar soils:* 86 percent

*Minor components:* 14 percent

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

#### Description of Jory

##### Setting

*Landform:* Hillslopes

*Landform position (two-dimensional):* Backslope, shoulder, footslope

*Landform position (three-dimensional):* Base slope, nose slope, side slope

*Down-slope shape:* Linear

*Across-slope shape:* Concave, linear

*Parent material:* Loamy colluvium derived from basalt over clayey residuum weathered from basalt

##### Typical profile

*Ap - 0 to 6 inches:* silty clay loam

*A - 6 to 16 inches:* silty clay

*AB - 16 to 19 inches:* silty clay

*Bt1 - 19 to 29 inches:* clay

*Bt2 - 29 to 48 inches:* clay

*Bt3 - 48 to 100 inches:* clay

##### Properties and qualities

*Slope:* 12 to 20 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 (0.20 to 0.57 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Available water supply, 0 to 60 inches:* High (about 10.1 inches)

##### Interpretive groups

*Land capability classification (irrigated):* None specified



*Land capability classification (nonirrigated):* 3e  
*Hydrologic Soil Group:* C  
*Ecological site:* R002XC012OR - Red Hill Group  
*Hydric soil rating:* No

### Minor Components

#### Gelderman

*Percent of map unit:* 10 percent  
*Landform:* Hillslopes  
*Landform position (two-dimensional):* Backslope, shoulder  
*Landform position (three-dimensional):* Nose slope, side slope  
*Down-slope shape:* Convex, linear  
*Across-slope shape:* Linear, convex  
*Hydric soil rating:* No

#### Cottrell

*Percent of map unit:* 2 percent  
*Landform:* Hillslopes  
*Landform position (two-dimensional):* Footslope  
*Landform position (three-dimensional):* Base slope  
*Down-slope shape:* Linear  
*Across-slope shape:* Concave  
*Hydric soil rating:* No

#### Witham, hummocky

*Percent of map unit:* 1 percent  
*Landform:* Earthflows  
*Landform position (two-dimensional):* Footslope  
*Landform position (three-dimensional):* Base slope  
*Down-slope shape:* Convex, linear  
*Across-slope shape:* Linear, convex  
*Hydric soil rating:* No

#### Ritner

*Percent of map unit:* 1 percent  
*Landform:* Hillslopes  
*Landform position (two-dimensional):* Backslope, shoulder  
*Landform position (three-dimensional):* Nose slope, side slope  
*Down-slope shape:* Convex, linear  
*Across-slope shape:* Convex  
*Hydric soil rating:* No

## Data Source Information

Soil Survey Area: Yamhill County, Oregon  
Survey Area Data: Version 12, Sep 8, 2023

## Yamhill County, Oregon

### 2711E—Jory silty clay loam, 20 to 30 percent slopes

#### Map Unit Setting

*National map unit symbol:* 1j8bk

*Elevation:* 200 to 1,100 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

*Jory and similar soils:* 87 percent

*Minor components:* 13 percent

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

#### Description of Jory

##### Setting

*Landform:* Hillslopes

*Landform position (two-dimensional):* Backslope

*Landform position (three-dimensional):* Nose slope, side slope

*Down-slope shape:* Linear

*Across-slope shape:* Concave, linear

*Parent material:* Loamy colluvium derived from basalt over clayey colluvium derived from basalt

##### Typical profile

*Ap - 0 to 6 inches:* silty clay loam

*A - 6 to 16 inches:* silty clay

*AB - 16 to 19 inches:* silty clay

*Bt1 - 19 to 29 inches:* clay

*Bt2 - 29 to 48 inches:* clay

*Bt3 - 48 to 100 inches:* clay

##### Properties and qualities

*Slope:* 20 to 30 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 (0.20 to 0.57 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Available water supply, 0 to 60 inches:* High (about 10.1 inches)

##### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 4e

*Hydrologic Soil Group:* C

*Ecological site:* R002XC012OR - Red Hill Group  
*Hydric soil rating:* No

### **Minor Components**

#### **Gelderman**

*Percent of map unit:* 7 percent  
*Landform:* Hillslopes  
*Landform position (two-dimensional):* Backslope  
*Landform position (three-dimensional):* Side slope, nose slope  
*Down-slope shape:* Linear  
*Across-slope shape:* Convex  
*Hydric soil rating:* No

#### **Ritner**

*Percent of map unit:* 2 percent  
*Landform:* Hillslopes  
*Landform position (two-dimensional):* Backslope  
*Landform position (three-dimensional):* Side slope, nose slope  
*Down-slope shape:* Convex, linear  
*Across-slope shape:* Convex  
*Hydric soil rating:* No

#### **Macdunn**

*Percent of map unit:* 2 percent  
*Landform:* Hillslopes  
*Landform position (two-dimensional):* Backslope  
*Landform position (three-dimensional):* Nose slope, side slope  
*Down-slope shape:* Linear  
*Across-slope shape:* Concave, linear  
*Hydric soil rating:* No

#### **Cottrell**

*Percent of map unit:* 1 percent  
*Landform:* Hillslopes  
*Landform position (two-dimensional):* Footslope  
*Landform position (three-dimensional):* Base slope  
*Down-slope shape:* Linear  
*Across-slope shape:* Concave  
*Hydric soil rating:* No

#### **Witham, hummocky**

*Percent of map unit:* 1 percent  
*Landform:* Earthflows  
*Landform position (two-dimensional):* Footslope  
*Landform position (three-dimensional):* Base slope  
*Down-slope shape:* Convex, linear  
*Across-slope shape:* Linear, convex

*Hydric soil rating:* No

## **Data Source Information**

Soil Survey Area: Yamhill County, Oregon  
Survey Area Data: Version 12, Sep 8, 2023



## Yamhill County, Oregon

### 2711F—Jory silty clay loam, 30 to 60 percent slopes

#### Map Unit Setting

*National map unit symbol:* 1j8bl

*Elevation:* 200 to 1,100 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:* Not prime farmland

#### Map Unit Composition

*Jory and similar soils:* 90 percent

*Minor components:* 10 percent

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

#### Description of Jory

##### Setting

*Landform:* Hillslopes

*Landform position (two-dimensional):* Backslope

*Landform position (three-dimensional):* Nose slope, side slope

*Down-slope shape:* Linear

*Across-slope shape:* Concave, linear

*Parent material:* Loamy colluvium derived from basalt over clayey colluvium derived from basalt

##### Typical profile

*Ap - 0 to 6 inches:* silty clay loam

*A - 6 to 16 inches:* silty clay

*AB - 16 to 19 inches:* silty clay

*Bt1 - 19 to 29 inches:* clay

*Bt2 - 29 to 48 inches:* clay

*Bt3 - 48 to 100 inches:* clay

##### Properties and qualities

*Slope:* 30 to 60 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 (0.20 to 0.57 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Available water supply, 0 to 60 inches:* High (about 10.1 inches)

##### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 6e

*Hydrologic Soil Group:* C

*Ecological site:* R002XC012OR - Red Hill Group  
*Hydric soil rating:* No

### **Minor Components**

#### **Gelderman**

*Percent of map unit:* 5 percent  
*Landform:* Hillslopes  
*Landform position (two-dimensional):* Backslope  
*Landform position (three-dimensional):* Side slope, nose slope  
*Down-slope shape:* Linear  
*Across-slope shape:* Convex  
*Hydric soil rating:* No

#### **Macdunn**

*Percent of map unit:* 3 percent  
*Landform:* Hillslopes  
*Landform position (two-dimensional):* Backslope  
*Landform position (three-dimensional):* Nose slope, side slope  
*Down-slope shape:* Linear  
*Across-slope shape:* Concave, linear  
*Hydric soil rating:* No

#### **Ritner**

*Percent of map unit:* 2 percent  
*Landform:* Hillslopes  
*Landform position (two-dimensional):* Backslope  
*Landform position (three-dimensional):* Side slope, nose slope  
*Down-slope shape:* Convex, linear  
*Across-slope shape:* Convex  
*Hydric soil rating:* No

## **Data Source Information**

Soil Survey Area: Yamhill County, Oregon  
Survey Area Data: Version 12, Sep 8, 2023

## Yamhill County, Oregon

### 2780C—Jory-Gelderman silty clay loams, 2 to 12 percent slopes

#### Map Unit Setting

*National map unit symbol:* 1j8d0

*Elevation:* 200 to 1,100 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

*Jory and similar soils:* 77 percent

*Gelderman and similar soils:* 20 percent

*Minor components:* 3 percent

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

#### Description of Jory

##### Setting

*Landform:* Hillslopes

*Landform position (two-dimensional):* Summit, toeslope

*Landform position (three-dimensional):* Base slope, interfluve

*Down-slope shape:* Linear

*Across-slope shape:* Concave, linear

*Parent material:* Loamy colluvium derived from basalt over clayey residuum weathered from basalt

##### Typical profile

*Ap - 0 to 6 inches:* silty clay loam

*A - 6 to 16 inches:* silty clay

*AB - 16 to 19 inches:* silty clay

*Bt1 - 19 to 29 inches:* clay

*Bt2 - 29 to 48 inches:* clay

*Bt3 - 48 to 100 inches:* clay

##### Properties and qualities

*Slope:* 2 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 (0.20 to 0.57 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Available water supply, 0 to 60 inches:* High (about 10.1 inches)

##### Interpretive groups

*Land capability classification (irrigated):* 4e

*Land capability classification (nonirrigated): 2e*  
*Hydrologic Soil Group: C*  
*Ecological site: R002XC012OR - Red Hill Group*  
*Hydric soil rating: No*

## Description of Gelderman

### Setting

*Landform: Hillslopes*  
*Landform position (two-dimensional): Summit, toeslope*  
*Landform position (three-dimensional): Base slope, interfluve*  
*Down-slope shape: Convex, linear*  
*Across-slope shape: Linear, convex*  
*Parent material: Loamy colluvium derived from basalt over clayey  
residuum weathered from basalt*

### Typical profile

*A - 0 to 5 inches: silty clay loam*  
*AB - 5 to 10 inches: silty clay loam*  
*Bt1 - 10 to 24 inches: clay*  
*Bt2 - 24 to 30 inches: paragravelly clay*  
*Cr - 30 to 40 inches: weathered bedrock*

### Properties and qualities

*Slope: 2 to 12 percent*  
*Depth to restrictive feature: 20 to 39 inches to paralithic bedrock*  
*Drainage class: Well drained*  
*Capacity of the most limiting layer to transmit water  
(Ksat): Moderately high (0.20 to 0.57 in/hr)*  
*Depth to water table: More than 80 inches*  
*Frequency of flooding: None*  
*Frequency of ponding: None*  
*Available water supply, 0 to 60 inches: Low (about 5.1 inches)*

### Interpretive groups

*Land capability classification (irrigated): 4e*  
*Land capability classification (nonirrigated): 4s*  
*Hydrologic Soil Group: C*  
*Ecological site: R002XC012OR - Red Hill Group*  
*Hydric soil rating: No*

## Minor Components

### Ritner

*Percent of map unit: 1 percent*  
*Landform: Hillslopes*  
*Landform position (two-dimensional): Summit, toeslope*  
*Landform position (three-dimensional): Base slope, interfluve*  
*Down-slope shape: Convex*  
*Across-slope shape: Linear, convex*  
*Hydric soil rating: No*

### Cottrell

*Percent of map unit: 1 percent*

*Landform:* Hillslopes  
*Landform position (two-dimensional):* Toeslope  
*Landform position (three-dimensional):* Base slope  
*Down-slope shape:* Linear  
*Across-slope shape:* Concave  
*Hydric soil rating:* No

**Witham, hummocky**

*Percent of map unit:* 1 percent  
*Landform:* Earthflows  
*Landform position (two-dimensional):* Footslope  
*Landform position (three-dimensional):* Base slope  
*Down-slope shape:* Convex, linear  
*Across-slope shape:* Linear, convex  
*Hydric soil rating:* No

## Data Source Information

Soil Survey Area: Yamhill County, Oregon  
Survey Area Data: Version 12, Sep 8, 2023