



Oregon

Tina Kotek, Governor

Department of State Lands

775 Summer Street NE, Suite 100

Salem, OR 97301-1279

(503) 986-5200

FAX (503) 378-4844

www.oregon.gov/dsl

April 18, 2024

State Land Board

Horizon Community Church
Attn: Ken Allen
23370 SW Boones Ferry Road
Tualatin, OR 97602

Tina Kotek
Governor

Re: WD # 2024-0057 **Approved**
Wetland Delineation Report for Horizon Community Church
Washington County; T2S R1W S35D TL106
APP # 30645

LaVonne Griffin-Valade
Secretary of State

Tobias Read
State Treasurer

Dear Ken Allen:

The Department of State Lands has reviewed the wetland delineation report prepared by AKS Engineering & Forestry LLC for the site referenced above. Based upon the information presented in the report, we concur with the wetland and waterway boundaries as mapped in Figures 5 and 5A of the report. Please replace all copies of the preliminary wetland maps with these final Department-approved maps.

Within the study area, one wetland (Wetland A, totaling approximately 0.28 acres which includes 0.17 acres of wetland mitigation) and 5 ponds (Storm Pond 1 through 5) were identified. The wetland is subject to the permit requirements of the state Removal-Fill Law. Under current regulations, a state permit is required for cumulative fill or annual excavation of 50 cubic yards or more in wetlands or below the ordinary high-water line (OHWL) of the waterway (or the 2-year recurrence interval flood elevation if OHWL cannot be determined). The ponds are exempt per OAR 141-085-0515(7) and therefore, are not subject to these state permit requirements.

This concurrence is for purposes of the state Removal-Fill Law only. We recommend that you attach a copy of this concurrence letter to any subsequent state permit application to speed application review. Federal, other state agencies or local permit requirements may apply as well. The U.S. Army Corps of Engineers will determine jurisdiction under the Clean Water Act, which may require submittal of a complete Wetland Delineation Report.

Please be advised that state law establishes a preference for avoidance of wetland impacts. Because measures to avoid and minimize wetland impacts may include reconfiguring parcel layout and size or development design, we recommend that you work with Department staff on appropriate site design before completing the city or county land use approval process.

This concurrence is based on information provided to the agency. The jurisdictional determination is valid for five years from the date of this letter unless new information necessitates revision. Circumstances under which the Department may change a determination are found in OAR 141-090-0045 (available on our web site or upon request). In addition, laws enacted by the legislature and/or rules adopted by the Department may result in a change in jurisdiction; individuals and applicants are subject to the regulations that are in effect at the time of the removal-fill activity or complete permit application. The applicant, landowner, or agent may submit a request for reconsideration of this determination in writing within six months of the date of this letter.

Thank you for having the site evaluated. If you have any questions, please contact Chris Stevenson, PWS the Wetland Ecologist for Washington County at (503) 798-7622.

Sincerely,

A handwritten signature in black ink, appearing to read "Peter Ryan", written in a cursive style.

Peter Ryan, SPWS
Aquatic Resource Specialist

Enclosures

ec: Sonya Davis, PWS, AKS Engineering & Forestry, LLC
City of Tualatin Planning Department
Brittney Campos, Corps of Engineers
Michael De Blasi, DSL
Lindsey Obermiller, Clean Water Services

TERMINATION REPORT COVER FORM

A complete report and signed report cover form, along with [applicable review fee](#), are required before a report review timeline can be initiated by the Department of State Lands. All applicants will receive an emailed confirmation that includes the report's unique file number and other information.

Ways to submit report:

- ❖ **Under 50MB** - A single unlocked PDF can be emailed to: wetland.delineation@dsl.oregon.gov.
- ❖ **50MB or larger** - A single unlocked PDF can be uploaded to [DSL's Box.com](#) website. After upload notify DSL by email at: wetland.delineation@dsl.oregon.gov.
- ❖ **OR** a hard copy of the unbound report and signed cover form can be mailed to: Oregon Department of State Lands, 775 Summer Street NE, Suite 100, Salem, OR 97301-1279.

Ways to pay review fee:

- ❖ By credit card on [DSL's epayment portal](#) after receiving the unique file number from DSL's emailed confirmation.
- ❖ By check payable to the Oregon Department of State Lands attached to the unbound mailed hardcopy **OR** attached to the complete signed cover form if report submitted electronically.

Contact and Authorization Information

<input checked="" type="checkbox"/> Applicant <input type="checkbox"/> Owner Name, Firm and Address: Horizon Community Church Attn: Ken Allen 23370 SW Boones Ferry Road Tualatin, OR 97602	Business phone # (503) 519-4684 Mobile phone # (optional) E-mail: kenallenproperty@gmail.com
<input type="checkbox"/> Authorized Legal Agent, Name and Address (if different):	Business phone # Mobile phone # (optional) E-mail:
I either own the property described below or I have legal authority to allow access to the property. I authorize the Department to access the property for the purpose of confirming the information in the report, after prior notification to the primary contact.	
Typed/Printed Name: <u>Ken Allen</u> Signature: <u><i>Ken Allen</i></u> Date: <u>1/29/2024</u> Special instructions regarding site access: _____	

Project and Site Information

Project Name: Horizon Community Church	Latitude: 45.351295° Longitude: -122.771703° decimal degree - centroid of site or start & end points of linear project
Proposed Use: Infrastructure improvement and new development.	Tax Map # 2S135D Tax Lot(s) 106 Tax Map # _____ Tax Lot(s) _____
Project Street Address (or other descriptive location): 23370 SW Boones Ferry Road	Township 2S Range 1W Section 35 QQ D Use separate sheet for additional tax and location information
City: Tualatin County: Washington	Waterway: N/A River Mile: N/A

Wetland Delineation Information

Wetland Consultant Name, Firm and Address: Sonya Davis AKS Engineering & Forestry, LLC 12965 SW Herman Rd, STE 100 Tualatin, OR 97602	Phone # (503) 562-6151 Mobile phone # (if applicable) E-mail: daviss@aks-eng.com
The information and conclusions on this form and in the attached report are true and correct to the best of my knowledge.	
Consultant Signature: <u><i>Sonya Davis</i></u>	Date: <u>1/29/2024</u>

Primary Contact for report review and site access is Consultant Applicant/Owner Authorized Agent

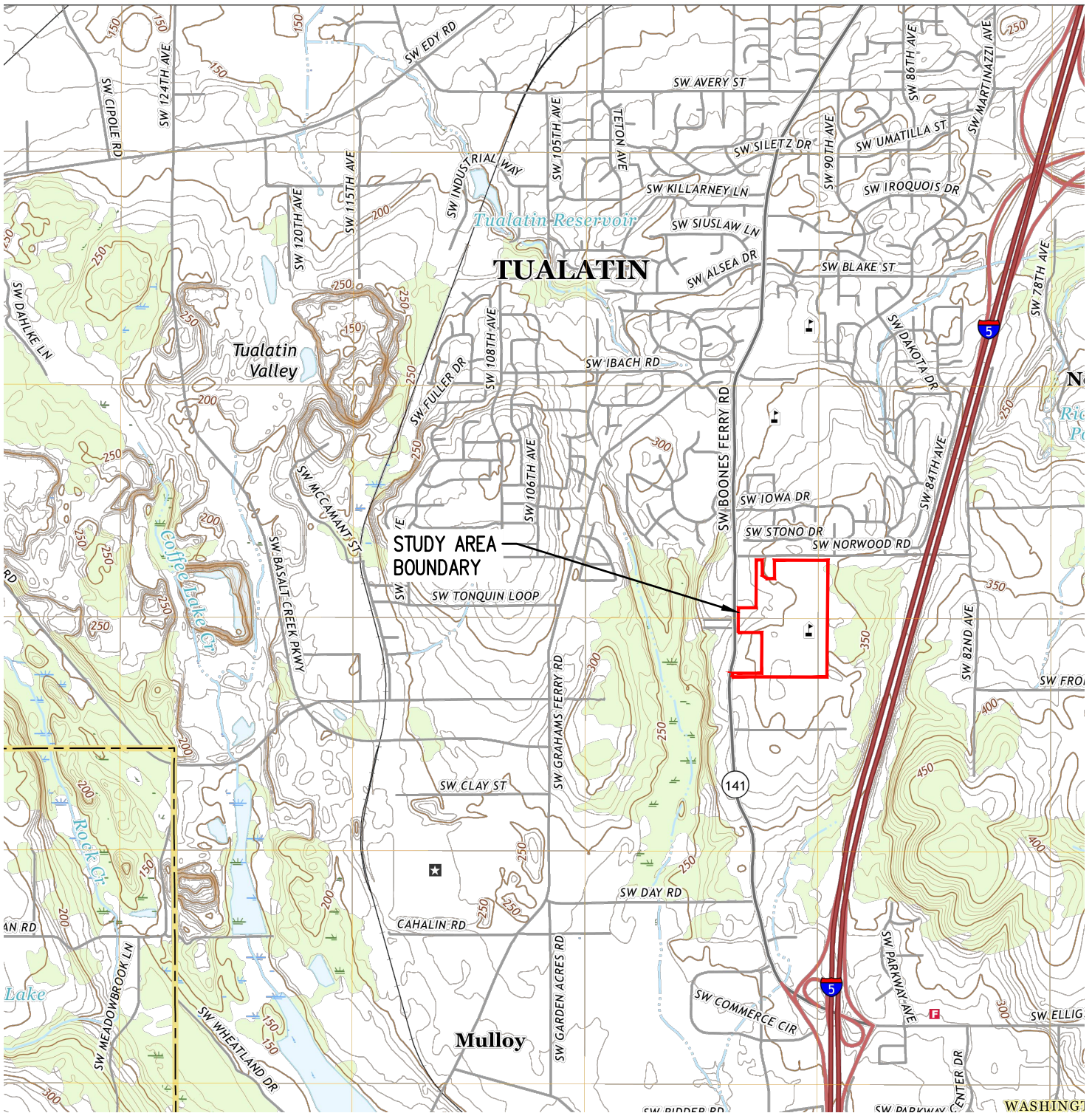
Wetland/Waters Present? Yes No Study Area size: 37.88 acres Total Wetland Acreage: 0.2800

Check Applicable Boxes Below

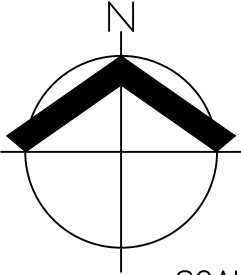
<input type="checkbox"/> R-F permit application submitted	<input checked="" type="checkbox"/> Fee payment submitted \$ <u>540</u>
<input type="checkbox"/> Mitigation bank site	<input type="checkbox"/> Resubmittal of rejected report (\$100)
<input type="checkbox"/> EFSC/ODOE Proj. Mgr: _____	<input type="checkbox"/> Request for Reissuance. See eligibility criteria. (no fee) DSL # _____ Expiration date _____
<input type="checkbox"/> Wetland restoration/enhancement project (not mitigation)	<input type="checkbox"/> LWI shows wetlands or waters on parcel Wetland ID code _____
<input checked="" type="checkbox"/> Previous delineation/application on parcel If known, previous DSL # <u>WD2013-0002</u>	

For Office Use Only

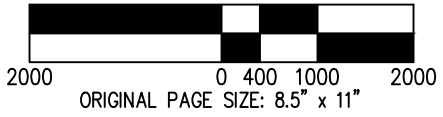
DSL Reviewer: CS Fee Paid Date: ____ / ____ / ____ DSL WD # 2024-0057
 Date Delineation Received: 1 / 30 / 23 DSL App.# _____



USGS 7.5' TOPOGRAPHIC SERIES
 QUADRANGLE: SHERWOOD, OR (2020)



SCALE: 1" = 2000 FEET



ORIGINAL PAGE SIZE: 8.5" x 11"

DATE: 12/19/2023

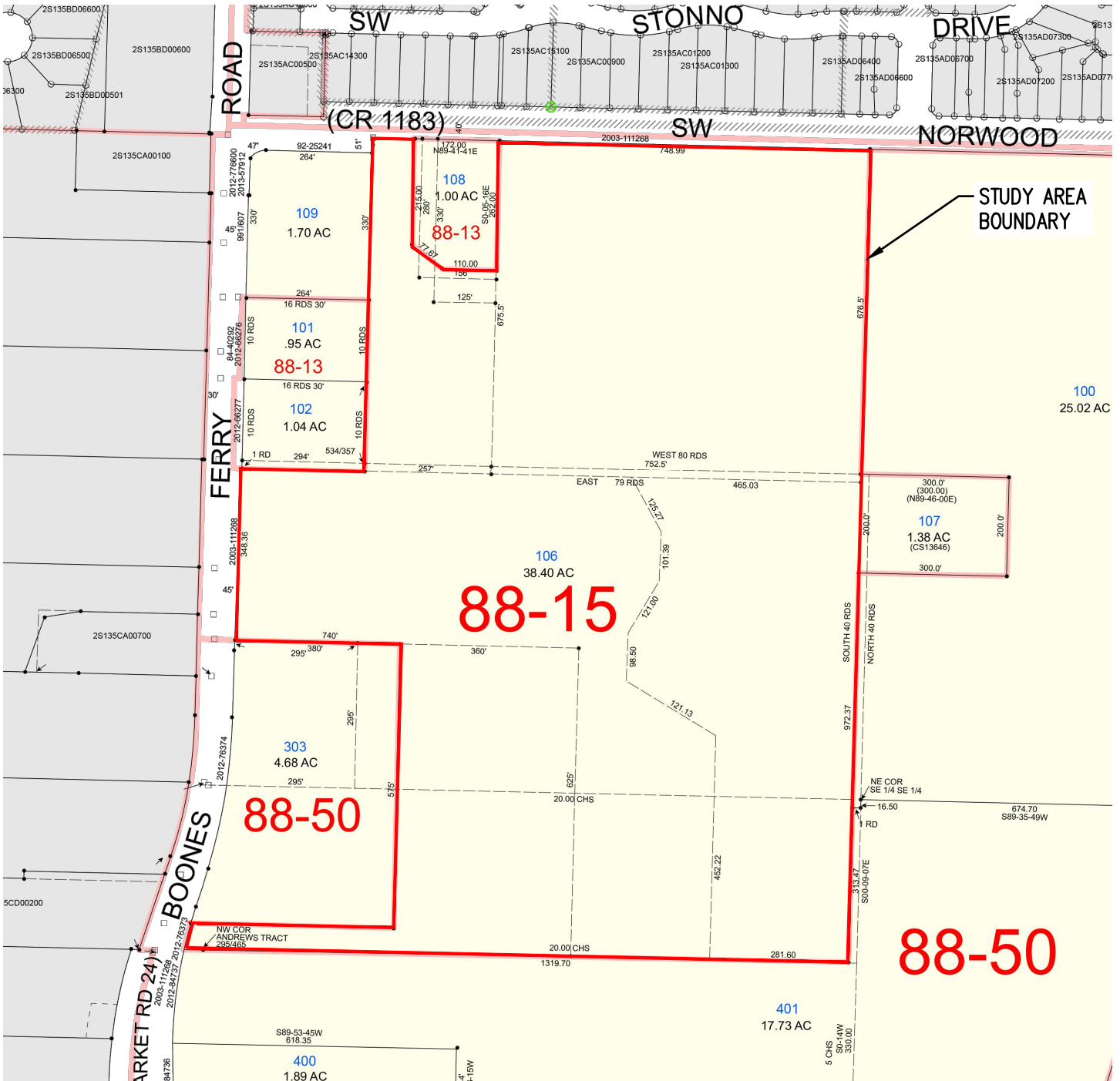
USGS VICINITY MAP
 HORIZON COMMUNITY CHURCH WETLAND AND WATER DELINEATION REPORT

FIGURE
1

AKS ENGINEERING & FORESTRY, LLC
 12965 SW HERMAN RD, STE 100
 TUALATIN, OR 97062
 503.563.6151 WWW.AKS-ENG.COM



DRWN: GPM
 CHKD: SKD
 AKS JOB:
 9349

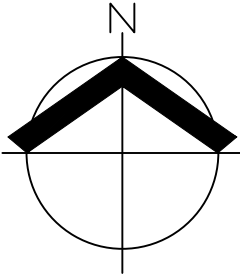


STUDY AREA BOUNDARY

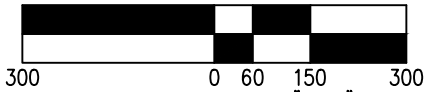
88-15

88-50

88-50



SCALE: 1" = 300 FEET



ORIGINAL PAGE SIZE: 8.5" x 11"

WASHINGTON COUNTY
TAX LOT 106
TAX MAP 2S 1 35D

DATE: 12/19/2023

TAX MAP (MAP 2S 1 35D)
HORIZON COMMUNITY CHURCH WETLAND AND WATER DELINEATION REPORT

FIGURE
2

AKS ENGINEERING & FORESTRY, LLC
12965 SW HERMAN RD, STE 100
TUALATIN, OR 97062
503.563.6151 WWW.AKS-ENG.COM



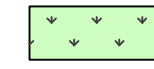
DRWN: GPM
CHKD: SKD
AKS JOB:
9349


DSL WD # 2024-0057
Approval Issued 4/18/2024
Approval Expires 4/18/2029

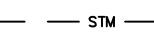
LEGEND (COLOR COPY):


TOTAL ON-SITE PSS/PFO/PEM/DEPRESSIONAL WETLAND A AREA:
12,256 SF± (0.28 ACRES)

 TOTAL ON-SITE PSS/DEPRESSIONAL WETLAND A AREA:
4,660 SF± (0.11 ACRES)

 TOTAL ON-SITE PFO/DEPRESSIONAL WETLAND A AREA:
4,385 SF± (0.10 ACRES)

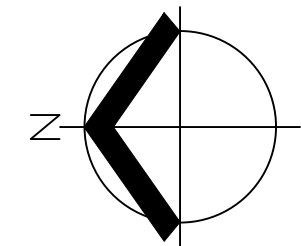
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3,211 SF± (0.07 ACRES)

 STM STORMWATER LINE

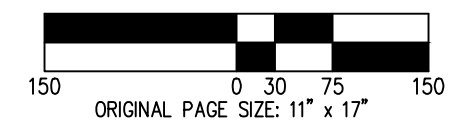
 PHOTO POINT LOCATION AND ORIENTATION

WETLAND BOUNDARY AND DATA PLOTS SHOWN WERE DELINEATED BY AKS ENGINEERING & FORESTRY, LLC (AKS) ON MAY 31, 2022 AND LOCATED WITH SUBMETER ACCURACY USING A TRIMBLE GEO 7X HANDHELD GPS RECEIVER.

1-FT INTERVAL GROUND CONTOURS, EXISTING CONDITIONS, STUDY AREA BOUNDARY, AND A PARTIAL TREE SURVEY OF TREES >6" DBH DERIVED FROM AKS PROFESSIONAL LAND SURVEY ON APRIL 4-6, OCTOBER 17-21, FEBRUARY 20-21, 2022 AND APRIL 22, 2023.



SCALE: 1" = 150 FEET



DATE: 01/10/2024

WETLAND DELINEATION OVERVIEW

FIGURE

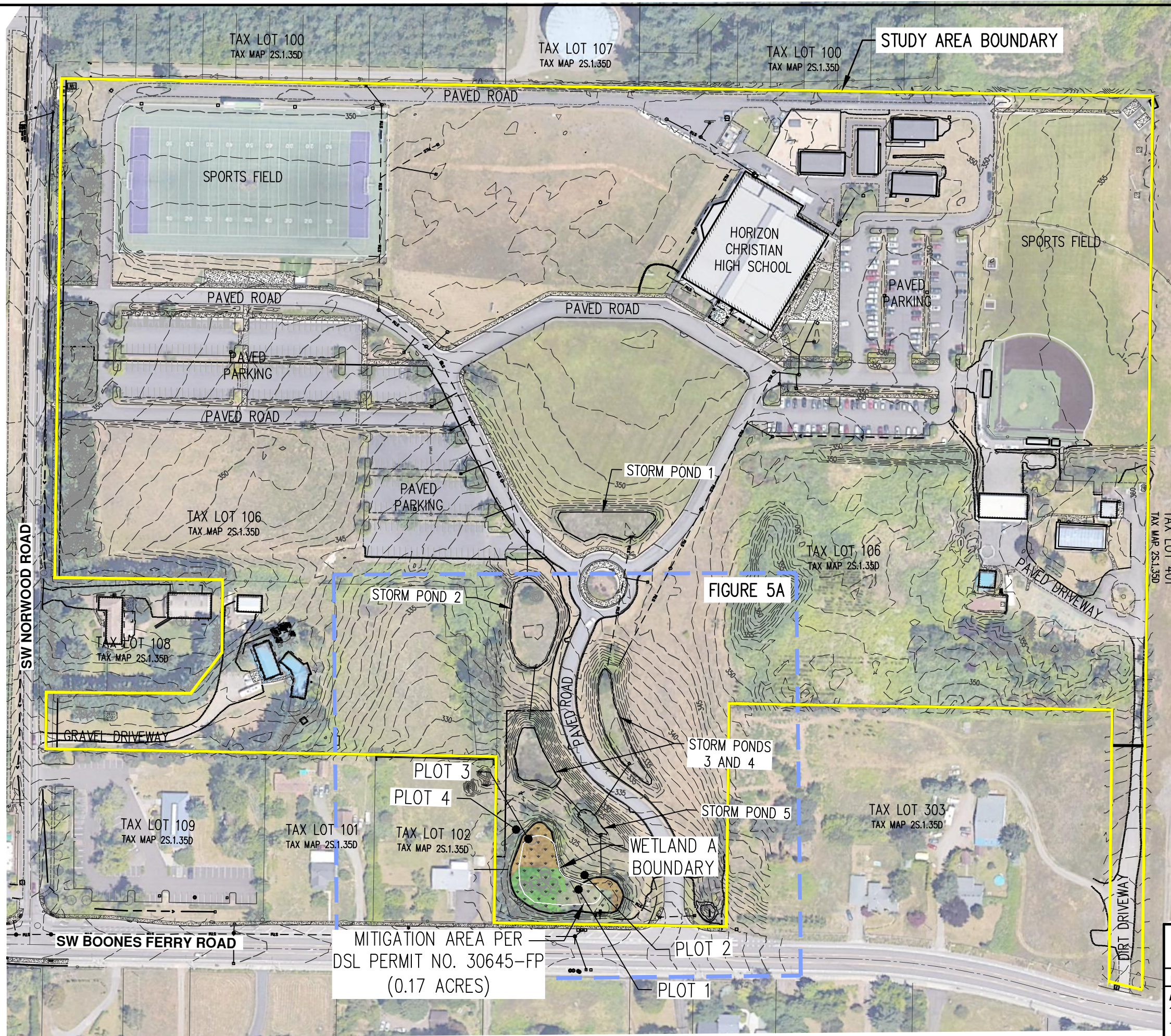
5

HORIZON COMMUNITY CHURCH WETLAND AND WATER DELINEATION REPORT

AKS ENGINEERING & FORESTRY, LLC
12965 SW HERMAN RD, STE 100
TUALATIN, OR 97062
503.563.6151 WWW.AKS-ENG.COM



DRWN: RAS
CHKD: SAR
AKS JOB:
9349




MITIGATION AREA PER
DSL PERMIT NO. 30645-FP
(0.17 ACRES)

DSL WD # 2024-0057
Approval Issued 4/18/2024
Approval Expires 4/18/2029

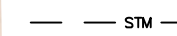
LEGEND (COLOR COPY):


TOTAL ON-SITE PSS/PFO/PEM/DEPRESSIONAL WETLAND A AREA:
12,256 SF± (0.28 ACRES)

 TOTAL ON-SITE PSS/DEPRESSIONAL WETLAND A AREA:
4,660 SF± (0.11 ACRES)

 TOTAL ON-SITE PFO/DEPRESSIONAL WETLAND A AREA:
4,385 SF± (0.10 ACRES)

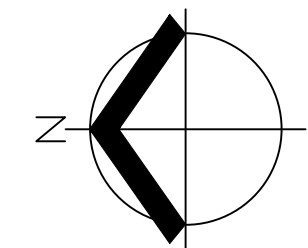
 TOTAL ON-SITE PEM/DEPRESSIONAL WETLAND A AREA:
3,211 SF± (0.07 ACRES)

 STM STORMWATER LINE

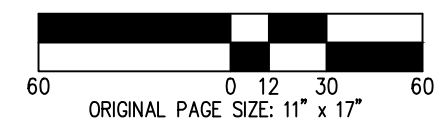
 PHOTO POINT LOCATION AND ORIENTATION

WETLAND BOUNDARY AND DATA PLOTS SHOWN WERE DELINEATED BY AKS ENGINEERING & FORESTRY, LLC (AKS) ON MAY 31, 2022 AND LOCATED WITH SUBMETER ACCURACY USING A TRIMBLE GEO 7X HANDHELD GPS RECEIVER.

1-FT INTERVAL GROUND CONTOURS, EXISTING CONDITIONS, STUDY AREA BOUNDARY, AND A PARTIAL TREE SURVEY OF TREES >6" DBH DERIVED FROM AKS PROFESSIONAL LAND SURVEY ON APRIL 4-6, OCTOBER 17-21, FEBRUARY 20-21, 2022 AND APRIL 22, 2023.



SCALE: 1" = 60 FEET



DATE: 01/10/2024



WETLAND DELINEATION MAP		FIGURE
HORIZON COMMUNITY CHRUCH WETLAND AND WATER DELINEATION REPORT		5A
AKS ENGINEERING & FORESTRY, LLC 12965 SW HERMAN RD, STE 100 TUALATIN, OR 97062 503.563.6151 WWW.AKS-ENG.COM		DRWN: RAS CHKD: SAR AKS JOB: 9349

Horizon Community Church Tualatin, Oregon Wetland and Water Delineation Report

Date: January 2024

Prepared for: Horizon Community Church
23370 SW Boones Ferry Rd
Tualatin, OR 97602

Prepared by: AKS Engineering & Forestry, LLC
Grant McLendon, Natural Resource Specialist
Sonya Davis, Wetland Scientist
503.563.6151 | Daviss@aks-eng.com

Study Area: 23370 SW Boones Ferry Road
Tualatin, OR 97062
Washington County Assessor's Map 2S 1 35D
Tax Lot 106

AKS Job Number: 9349



AKS
ENGINEERING & FORESTRY
12965 SW Herman Road, Suite 100
Tualatin, OR 97062
(503) 563-6151

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Appendix A: Maps

Figure 1: USGS Vicinity Map

Figure 2: Clackamas County Assessor’s Map (2S 1 35D)

Figure 3: NRCS Soil Survey Map

Figure 4: National Wetlands Inventory (NWI) Map

Figure 5 and 5A: Wetland Delineation Map

Appendix B: Wetland Determination Data Forms

Appendix C: Representative Site Photographs

A. Introduction

This report was prepared by AKS Engineering & Forestry, LLC (AKS) in accordance with Oregon Administrative Rules (OAR) 141-090-0030 and 141-090-0035 and describes the results of a wetland and waters delineation conducted on Tax Lot 106 of Washington County Assessor's Map 2S 1 35D, which consists of the Horizon Community Church and is located at 23370 SW Boones Ferry Road in Tualatin, Washington County, Oregon (Figures 1 and 2 in Appendix A). The study area for the delineation was approximately 38.4 acres and is shown in Figures 1 through 5 in Appendix A.

AKS conducted a site visit on May 31, 2022, to delineate the on-site boundary of one palustrine scrub-shrub/forested/emergent (PSS/PFO/PEM) wetland (referred to as Wetland A). Seasonal surface water within Wetland A discharges via two storm grates under SW Boones Ferry Road. Wetland conditions do not extend off-site.

A wetland delineation was conducted by Schott & Associates (Schott) in 2002 for the Grace Community Church which covered the study area and received concurrence from DSL under WD2002-0127. Schott delineated one wetland 0.05 acres in size in the vicinity of Wetland A delineated under this study. No other jurisdictional features were delineated on tax lot 106 under WD2002-0127. In 2003, a removal-fill permit was issued by DSL for permanent impacts to the entire wetland for the half-street improvements along SW Boones Ferry Road (DSL Permit 30645-FP). Wetland impacts were mitigated through the on-site creation of 0.17 acres of PEM/PSS wetland adjacent to the impacted wetland.

Another wetland delineation was conducted on a portion of the study area by Pacific Habitat Services, Inc. (PHS) in 2013 for Washington County's SW Boones Ferry Road Widening project and received concurrence from DSL under WD2013-0002. Under the 2013 PHS study, a portion of wetland (totaling 0.17 acres in size) was delineated, with wetland conditions extending beyond their study area to the east. The PHS 2013 delineation included the mitigation wetland associated with DSL Permit 30645-FP for Grace Community Church. Under this study, AKS delineated a total of 0.28 acres wetland which exceeds the mitigation wetland (0.17 acres) in size.

B. Landscape Setting and Land Use

The study area consists of Horizon Community Church and includes the main church building, several smaller buildings, sports fields, paved driveways, parking lots, and stormwater ponds. A residence with associated outbuildings is present in the southern portion of the site. The study area is surrounded by high density residential to the north, with rural residential to the south and west. A forested area and Interstate 5 are located east of the study area. Surrounding land use is generally residential.

The majority of the site is landscaped and planted with turf grasses and ornamental trees around buildings and parking areas. The western portion of the study area is vegetated with trees and shrubs, including Oregon ash (*Fraxinus latifolia*; FACW), Douglas-fir (*Pseuotsuga menziesii*; FACU), balsam poplar (*Populus balsamifera*; FAC), Oregon white oak (*Quercus garryana*; FACU), English hawthorn (*Crataegus monogyna*; FAC), Himalayan blackberry (*Rubus armeniacus*; FAC), Douglas spirea (*Spiraea douglasii*; FACW), oceanspray (*Holodiscus discolor*; FACU), Nootka rose (*Rosa nutkana*; FAC), and snowberry (*Symphoricarpos albus*; FACU). The herb stratum is dominated by soft rush (*Juncus effusus*; FACW) and reed canary grass (*Phalaris arundinacea*, FACW) within the wetland, and sweet vernal grass (*Anthoxanthum odoratum*; FACU) in the upland, along with lesser amounts of other weedy herbaceous

species. The highest elevation on the site is approximately 360 feet in the southern and northern portions of the site. Topography within the study area gently slopes to the west towards Wetland A.

The following soil units are mapped within the study area, according to the Natural Resources Conservation Service (NRCS) Washington County Area Soil Survey Map and Washington County hydric soil list (Figure 3):

- (Unit 11B) Cornelius and Kinton silt loams, 2 to 7 percent; Non-hydric
- (Unit 28B) Laurelwood silt loam, 3 to 7 percent; Non-hydric

C. Site Alterations

Historical aerial photos dating from May 1994 to April 2022 were reviewed from Google Earth. The site consisted of open fields since before 1994 until site clearing and grading began in 2003 to prepare for the development of the Horizon Community Church. Sometime between August 2005 and June 2006, the SW Boones Ferry Road widening project began per DSL Permit No. 30645-FP, resulting in the complete fill of the 0.05-acre wetland delineated under WD2002-0127. As a result of the wetland impacts, 0.17 acres of wetland was created for mitigation in 2005 per DSL Permit No. 30645-FP.

Additionally, five stormwater treatment ponds were constructed sometime between August 2005 and June 2006 as part of the Horizon Community Church development. These ponds were constructed in areas that were determined to be upland per WD2002-0127. The stormwater treatment ponds discharge post construction treated surface water into Wetland A. Seasonal overflow discharges through grated overflow outlets under SW Boones Ferry Road to discharge into an intermittent tributary to Tapman Creek located off-site to the west. The stormwater input likely increased hydrology fed into Wetland A, thus increasing wetland conditions as observed under this 2022 AKS study.

Since July 2014, the study area has remained relatively unchanged with no apparent site alterations that would impact the extent of wetland delineated under this study.

D. Precipitation Data and Analysis

Observed precipitation data were obtained from the Portland-Hillsboro AP weather station via the National Oceanic and Atmospheric Administration (NOAA) Applied Climate Information System (ACIS). The closest NRCS Climate Analysis for Wetlands Tables (WETS) station to the study area is the Portland-Hillsboro AP station. According to the Portland-Hillsboro AP WETS data, the growing season is almost year-round, between January 24 and December 9. The May 31, 2022, site visit was conducted within the WETS growing season.

According to the Portland-Hillsboro AP station, no rainfall was received the day of the May 31, 2022, site visit and 0.92 inches of rainfall was received within the two weeks prior. Observed water-year-to-date (starting October 1, 2021) was 31.18 inches, which was 4.27 inches above normal. According to the WETS data, monthly observed precipitation for the Portland-Hillsboro area was within the wetter than normal range. The wetter than normal conditions did not have an adverse impact to the results of the wetland delineation as vegetation and hydric soils were still reliable indicators. Indicators of wetland hydrology were not observed in the upland. Precipitation data is available upon request. Table 1 shows antecedent rainfall according to the WETS Portland-Hillsboro AP station for the three months prior to the May 31, 2022, site visit:

Table 1: Precipitation Data – Monthly Averages Based on the Climate Period 1991-2020

Prior Months	Observed Precipitation (Inches)	Average WETS Precipitation (Inches)	30% Chance Will Have		Condition Dry, Wet, Normal	Condition Value (1=dry, 2=normal, 3=wet)	Month Weight	Multiply Previous Two Columns
			Less Than (Inches)	More Than (Inches)				
May 2002	4.05	2.02	1.06	2.21	Wet	3	3	9
April 2022	4.80	2.57	1.78	2.82	Wet	3	2	6
Mar. 2022	1.94	3.70	2.77	4.43	Dry	1	1	1
							Sum	16- WET
Rainfall of prior period was: drier than normal (sum is 6-9), normal (sum is 10-14), wetter than normal (sum is 15-18)								

E. Site-Specific Methods

The methodology used to determine the presence of wetlands followed the *Corps of Engineers Wetlands Delineation Manual* (Environmental Laboratory 1987) and the *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Western Mountains, Valleys, and Coast Region* (Wakeley et al. 2010). The *National Wetland Plant List* (USACE 2020) was used to assign wetland indicator status for the appropriate region.

Field work was conducted on May 31, 2022, by AKS Wetland Scientist Sonya Davis and Natural Resource Specialist Rebecca Schilling. Soils, vegetation, and indicators of hydrology were recorded at 4 sample plot locations on standardized wetland determination data forms (Appendix B) to document site conditions. The Wetland Delineation Map is included as Figures 5 and 5A in Appendix A. The edge of water was delineated as the potentially jurisdictional limits of the five stormwater ponds.

Representative ground-level site photographs are included in Appendix C. References cited and literature used are listed at the end of this report.

F. Description of All Wetlands and Other Non-Wetland Waters

Wetlands

Wetland A

Wetland A is PSS/PFO/PEM wetland located in the western portion of the study area. A portion of Wetland A was created as mitigation under DSL permit No. 30645-RF and belongs to the Depressional Hydrogeomorphic (HGM) classification. Seasonal surface water within Wetland A discharges via two grated overflow outlets at Wetland A's west boundary, which discharges west under SW Boones Ferry Road through twin culverts into an intermittent drainage.

Vegetation within Wetland A is dominated by soft rush and reed canary grass in the herb layer with Oregon ash, Douglas spirea, and willows (*Salix* spp; FAC) in the tree and shrub layer. Other vegetation such as Himalayan blackberry and English hawthorn were observed within Wetland A but less prevalent than the previously mentioned species.

The wetland boundary was delineated based on a distinct change in the topography and landform from a low elevation, concave landform in the wetland to a higher elevation, convex landform in the upland. The elevation change coincides with a change in vegetation from hydrophytic dominated in the wetland (soft rush, reed canary grass, and Douglas spiraea) to non-hydrophytic dominated in the upland (sweet vernal

grass, snowberry, and oceanspray). The adjacent upland also lacked hydric soil and wetland hydrology indicators as documented at paired upland Plots 2 and 4.

Uplands

Upland conditions were recorded at Plots 2 and 4. The upland area adjacent to Wetland A is dominated by upland vegetation, predominantly sweet vernal grass (FACU) and shrubs such as snowberry (FACU), oceanspray (FACU), Himalayan blackberry (FAC), and English hawthorn (FAC). No hydric soil indicators or wetland hydrology indicators were observed at Plots 2 and 4.

Stormwater Ponds

East of Wetland A five stormwater treatment ponds of various sizes were delineated that were constructed for the Horizon Community Church in 2006. These ponds are not located within NRCS mapped hydric soils and based on review of historical aerial imagery, appear to have been created wholly from within uplands. Further, no wetlands were mapped in the vicinity of the stormwater treatment ponds per WD2002-0127. The ponds are connected via polyvinyl chloride (PVC) culverts ranging in size from 12 to 24 inches to divert treated runoff into Wetland A, which discharges through grated overflow outlets under SW Boones Ferry Road. Vegetation surrounding the ponds consists mainly of sweet vernal grass (FACU), English hawthorn (FAC), snowberry (FACU), oceanspray (FACU), and Himalayan blackberry (FAC). No wetland conditions were observed along the fringe of the ponds.

G. Deviation from NWI

The study area is not mapped on a DSL approved Local Wetland Inventory (LWI) map. According to the US Fish and Wildlife Service (USFWS) National Wetland Inventory (NWI) map, there are no wetland, lake, riverine or other features mapped within the study area or within 200 feet of the study area (Figure 4 in Appendix A). AKS delineated one wetland (Wetland A) in the western portion of the study area (Figure 5 in Appendix A).

H. Mapping Method

Wetland A boundary and sample plots 1 through 4 were flagged in the field and professionally land surveyed by AKS with submeter accuracy. The delineation map is included as Figures 5 and 5A in Appendix A.

I. Additional Information

A portion of Wetland A is an artificially created mitigation wetland and according to OAR 141-085-0515(6)(c) requiring a removal-fill authorization for any amount of disturbance.

Five stormwater ponds were delineated within the study area east and are likely non-jurisdictional to DSL per OAR 141-085-0515(7)(c) since they are artificially created ponds entirely from upland for use of stormwater detention and treatment.

Seasonal overflow may exit Wetland A through two grated overflow outlets under SW Boones Ferry Road into an intermittent tributary west of the study area. The intermittent tributary drains to Tapman Creek, which is a relatively permanent water with a direct hydrologic connection to the Willamette River (a traditional navigable water). Therefore, Wetland A may be considered WOTUS.

The stormwater ponds are likely non-jurisdictional to the USACE as they were constructed from within upland to convey and treat upland runoff and can be considered a paragraph (b)(10) non-jurisdictional water.

J. Summary of Results and Conclusions

Table 2 below provides a summary of the on-site sizes of the features, hydrologic connections to other nearby waters, the Cowardin and HGM classifications for the wetlands, and our prediction of whether each feature would likely be determined jurisdictional by DSL and USACE.

Table 2: Summary of Study Results and Conclusions

Potentially Jurisdictional Feature	Latitude/ Longitude	Size	Cowardin Class	HGM Subclass	Connection to Other Waters	DSL/USACE Predicted Jurisdiction
Wetland A	45.31572, -122.774308	0.28 Acre±	PSS/PFO/PEM	Depressional	Tributary to Tapman Creek	Jurisdictional to DSL and USACE
Stormwater Ponds	45.351502/ -122.773290	0.48 Acre±	Open Water	Depressional	Wetland A	Non-jurisdictional to DSL and USACE

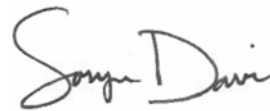
K. Required Disclaimer

This report documents the investigation, best professional judgment, and conclusions of the investigators. It is correct and complete to the best of our knowledge. It should be considered a Preliminary Jurisdictional Determination of wetlands and other waters and used at your own risk, unless it has been reviewed and approved in writing by the Oregon Department of State Lands in accordance with Oregon Administrative Rules (OAR) 141-090-0005 through 141-090-0055.

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