Natural Resource Assessment Sherwood Industrial Park Phase 3 Development Site,

Sherwood, Oregon

(Township 2 South, Range 1 West, Section 29D, Tax Lots 150)

Prepared for

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PHS Project Number: 7296

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1.0 INTRODUCTION

Pacific Habitat Services, Inc. (PHS) conducted a natural resource assessment for a portion of a property located along SW Century Drive in Sherwood, Oregon. See Figure 1 for limits of the study area; all figures are in Appendix A. Existing development on this parcel has occurred in accordance with previously issued Service Provider Letters, CWS file numbers 08-001036 and 13-002298.

This report presents the definitions and the methodology used to assess the natural resources within the project site as required by Clean Water Services (CWS) design and construction standards (R&O 19-05). The field component of the natural resource assessment for this site was completed on August 25, September 22, and October 6, 2021.

2.0 EXISTING CONDITIONS

The study area is located directly east and south of SW Century Drive, and south of SW Tualatin-Sherwood Road in Washington County (tax lot 150). Topography is gently sloping east before a moderate decline in slope occurs toward a lower terrace surrounding Rock Creek, which flows north beyond study area. Elevations on-site range between approximately 190 feet and 130 feet (Oregon Metro LiDAR, 2014).

In the southwest portion of Tax Lot 150, the site contains four existing industrial buildings with adjacent parking lots, stormwater detention pond, truck turn-arounds, and loading docks. There is a railroad right-of-way (ROW) adjacent to a ditch bordering the southern study area; the ditch conveys stormwater east toward Rock Creek.

An examination of historical aerial photos shows that earthwork and vegetation clearing occurred on site between 2003 and 2005 (www.historicaerials.com). The stormwater detention basin and enhancement plantings (within Wetland A) were constructed between 2007 and 2008, while the existing industrial buildings and associated infrastructure followed between 2010 and 2016. The grass fields north of the detention basin are mowed regularly and consist mainly of invasive perennial grasses. Soils appear disturbed with some areas of mixed matrices and/or high-chroma soils.

Natural Resources Conservation Services (NRCS) mapped soils within the study area include Aloha silt loam, Quatama loam, Huberly silt loam, Briedwell stony silt loam, Wapato silty clay loam, urban land, and Cove clay. Cove clay, Huberly silt loam, and Wapato silty clay loam are hydric soils typically associated with wetland.

3.0 DISCUSSION OF ON AND OFF-SITE WATER QUALITY SENSITIVE AREAS

A delineation of sensitive areas was conducted across tax lot 150. Two wetlands totaling 11.97 acres were identified and one waters of the State/US totaling 0.50 acres (Figure 2). Both wetlands were delineated based on the presence of wetland hydrology, hydric soils, and hydrophytic vegetation in accordance with the Routine On-site Determination, as described in

the Corps of Engineers Wetland Delineation Manual, Wetlands Research Program Technical Report Y-87-1 ("The 1987 Manual") and the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Western Mountains, Valleys, and Coast Region.

Wetland A

Wetland A (11.17 acres/ 486,682 square feet) is a palustrine forested-broad leaved deciduous, and emergent-persistent, seasonally flooded/saturated (PFO1/EM1E) wetland with a hydrogeomorphic (HGM) classification of Riverine. The wetland receives hydrology from seasonal overflow from Rock Creek, overland flow, direct precipitation, and stormwater from adjacent developments. Dominant vegetation consists of Pacific willow, Oregon ash, black cottonwood, Himalayan blackberry, tall Oregon grape, reed canarygrass, colonial bentgrass, lesser hawkbit, field meadow foxtail, and velvet grass. The majority of the central portion is PEM, with PFO along the wetland/upland boundary. Wetland A continues north and south beyond the study area.

Vegetation in the adjoining upland east and west of Wetland A consists of black cottonwood, Oregon ash, tall Oregon grape, Scotch broom, Himalayan blackberry, trailing blackberry, reed canarygrass, orchard grass, field horsetail, Canada thistle, brome, sweet vernal grass, and oxeye daisy (*Leucanthemum vulgare*). No hydric soils or hydrology were present in the upland.

Wetland Ditch

Wetland Ditch (0.56 acres/ 24,194 square feet) exists in the southern study area and conveys seasonal runoff into Wetland A. Wetland Ditch is a palustrine scrub-shrub, broad leaved deciduous, seasonally flooded/saturated, excavated, partly drained/ditched (PSS1Exd) wetland with a HGM classification of Slope. The wetland receives hydrology from direct precipitation and overland flow, particularly stormwater accumulation. Dominant vegetation consists of Oregon ash, Himalayan blackberry, velvet grass, colonial bentgrass, spreading rush (*Juncus patens*), and Dewey's sedge (*Carex deweyana*).

Vegetation in the upland consists of Oregon white oak, Douglas fir, Western hazelnut, Scouler's willow, spirea, Scotch broom, tall Oregon grape, red alder, Himalayan blackberry, Douglas hawthorn, clustered rose, reed canarygrass, velvet grass, and bed straw. Wetland Ditch does not extend beyond the study area but does connect to Wetland A which is lower in elevation within the floodplain of Rock Creek.

Rock Creek

Rock Creek (0.50 acres/21,944 square feet) is a perennial tributary of the Tualatin River residing within Wetland A. The creek flows north and continues beyond the study area. The creek is a riverine, lower perennial, unconsolidated bottom (R2UB) with a HGM classification of Riverine. Dominant vegetation along the banks of the creek consists of reed canarygrass, but trees and shrubs populate the bank near SW Tualatin-Sherwood Road. The channel width varies between approximately 20-25 feet with steep, almost vertical banks aerially aligned with OHW.

Storm Pond

A Storm Pond (13,272 acres/ 0.30 square feet) exists directly north of existing development east of SW Century Drive. The pond is man-made (circa 2007) and designed to detain stormwater piped under SW Century Drive, as well as from development to the south. The Cowardin class is palustrine, aquatic bed, rooted vascular, artificially flooded, excavated (PAB3Kx) wetland with a HGM class of Depressional. The storm pond is excavated within upland and the edges are vegetated with Himalayan blackberry, some patchy reed canarygrass and other enhancement plantings, including spirea and Pacific willow. A stormwater pipe conveys overflow from the pond east, toward Rock Creek.

4.0 VEGETATED CORRIDOR ASSESSMENT

4.1 Vegetated Corridor Width Determinations

The slopes adjacent to the sensitive areas were assessed to determine the width of the vegetated corridor (VC). The area of VC within the study area totals 206,679 square feet (4.74 acres); the location of the VC, adjacent slopes, and corridor widths are shown on Figures 2A-2F.

The project VC widths are determined to be as follows:

Table 1. Summary of VC Widths

Sensitive Area	VC Width	Justification
Wetland A	Regulated: 50' to 35' beyond break in slope Actual: 50' to 65'*	 > 0.5 acres and not isolated Slopes majority < 25%; areas >25% to west
Wetland Ditch	Regulated: 50' Actual: 43-50*	< 0.5 acres and not isolatedSlopes < 25%
Stormwater Pond	0 -ft	Artificially created Stormwater Feature

^{*}In some areas the regulated VC is truncated by existing development

Wetland A is greater than 0.5 acres and not isolated with slopes <25% throughout the majority of the site; an area southeast along Wetland A has slopes >25%- these areas have an extended VC that ends at the edge of existing development- parking lot. The width of VC ranges from 50-65 feet.

Wetland Ditch is less than 0.5 acres and not isolated with slopes <25%, which warrants a 50-ft buffer. In some areas the full width of regulated VC is not present due to existing development to the northwest.

As the stormwater pond is artificially constructed for stormwater infrastructure, no VC was placed around the feature. All VC width measurements are in accordance with Section 3.03.1 of CWS regulations.

4.2 Vegetated Corridor Plant Communities

There are three plant communities within the VC as described below and shown on Figure 3, and detail Figures 3A to 3F, along with vegetation sample points and photograph locations.

Plant Community A (143,309 sf / 3.29 acre) encompasses a portion of VC surrounding Wetland A within the study area. The community is mainly forested with 50% native species. There are many enhancement plantings remaining along the Wetland Ditch, represented by sample point 1.

Plant Community B (29,247 sf / 0.67 acre) encompasses a portion of VC along the northeast corner of Wetland A and in the southwest portion of the lot, where off-site wetland has a VC that extends slightly into the site. The community has no canopy and contains invasive shrubs like Scotch broom and Himalayan blackberry with an herbaceous layer comprised of perennial grasses and weedy forbs.

Plant Community C (31,126 sf / 0.71 acre) encompasses a portion of VC on each side of Wetland A dominated by Himalayan blackberry and other invasives.

See Appendix C for plant species and percent cover as documented in the plant community. Appendix C also includes photographs of the sensitive area and the VC.

4.3 Vegetated Corridor Plant Community Condition

Table 2 shows the percent composition of native versus non-native species and tree canopy cover within each plant community in accordance with Clean Water Services' standards.

Table 2. Summary of Plant Communities

		Plant Community			
Corrid	or Condition	A	В	C	
Good	>80% cover of native plants, and >50% tree canopy	57% canopy cover			
Marg inal	50% - 80% cover of native plants, and 26-50% tree canopy	50% native species			
Degr aded	<50% cover of native plants, and < 25% tree canopy		0% canopy, 12% native species	0% canopy, 0% native species	

The condition of the vegetated corridor is defined by the percentages of native species and canopy cover. Plant Community A meets "Good Condition" while Plant Communities B and C meet "Degraded Condition".

5.0 PROPOSED PROJECT

The proposed project includes the continuation of a phased development plan for Sherwood Industrial Park that avoids all impacts to adjacent VC. The development site will have street

frontage on SW Tualatin-Sherwood Road and along SW Century Drive. The proposal is to construct two new industrial buildings in the northwest corner of tax lot 150 (Figure 4).

The project infrastructure must comply with minimum parking, pedestrian and vehicle circulation, ingress/egress to circulatory streets, as well as stormwater treatment compliance with Standard Local Operating Procedure for Endangered Species (SLOPES V) standards. The project will adhere to Clean Water Services Design & Construction Standards R&O 19-05. During the past construction of Phase 1 (Figure 2-Existing Conditions), water quality treatment was built to treat future stormwater anticipated for future phases of development. minor grading updates are required for the existing stormwater detention pond, storm sewer lateral connections and/or extensions. This work will be addressed through the City's Land Use Approval and review of stormwater management plan by CWS.

5.1 Vegetated Corridor Enhancement

No impacts are proposed to existing VC on site, and no mitigation is proposed. In accordance with CWS 3.06, the protection of sensitive areas and VC will be achieved through sediment control measures, including erosion control fencing, construction fencing, storm inlet protection, and other BMP's.

All VC plant communities within tax lot 150 will be enhanced to "good" corridor condition to comply with CWS requirements outlined under Section 3.08 (Figure 5). Enhancement will include the removal of any non-native species and comply with density requirements outlined in Appendix A: Planting Requirements (R&O 19-5).

Table 3 Appendix A: Planting Requirements and Vegetated Corridor Definitions

Vegetated Corridor Condition Definition	Requirements of Vegetated Corridor, Enhancement, and/or Mitigation
Good Corridor Condition: Combination of native trees, shrubs, and groundcover covering greater than 80% of the area and greater than 50% tree canopy exists (areal measure)	 Provide certification to District, per Section 3.14.5, that the Vegetated Corridor meets condition criteria. Remove any invasive non-native species within the corridor by hand and re-vegetate cleared area using low impact methods. If impact is to occur, provide District with a native plant revegetation plan appropriate to the site conditions developed by an ecologist/biologist or landscape architect to restore condition. See Appendix A: Planting Requirements. Re-vegetate impacted area per approved plan to re-establish Good Corridor Conditions
Degraded Corridor Condition: Combination of native trees, shrubs, and groundcover covering is less than 50% of the area and less than 25% tree canopy exists (areal measure) (Enhancement up to Good Corridor Condition required regardless of planned impact)	 Provide certification to District, per Section 3.14.5, that the Vegetated Corridor meets condition criteria. Remove any invasive non-native species within the corridor by hand or mechanically. Provide District with a native plant re-vegetation plan appropriate to the site conditions developed by an ecologist/biologist or landscape architect to restore to a Good Corridor Condition. See Appendix A: Planting Requirements. Vegetate Corridor to establish Good Corridor Condition

A final planting plan will be submitted after the issuance of a Service Provider Letter; however, the table below provides a suggested planting list for the VC.

Table 4. Proposed Plantings within Plant Community B and C: VC Enhancement Areas (63,370 square feet)*

Botanical Name	Common Name	Minimum Rooting Size	Quantity				
TREES 634							
Rhamnus purshiana	Cascara	2 gallon	54				
Prunus emarginata	Bitter cherry	2 gallon	150				
Alnus rubra	Red alder	1 gallon	330				
Thuja plicata	Western red cedar	2 gallon	100				
SHRUBS 3,169							
Amelanchier alnifolia	Western serviceberry	2 gallon	419				
Corylus cornuta	Western hazelnut	1 gallon	400				
Lonicera involucrata	Black twinberry	1 gallon	400				
Lonicera ciliosa	Orange honeysuckle	2 gallon	350				
Mahonia aquifolium	Tall Oregon grape	1 gallon	600				
Ribes sanguineum	Red flowering currant	1 gallon	500				
Symphoricarpos albus	Snowberry	1 gallon	500				
GRASS SEED		_					
Bromus carinatus	California brome	Broadcast Seed as	necessary				
Elymus glaucus	Blue wildrye	Broadcast Seed as	necessary				

^{*} Does not include "Good Condition" areas , which will comply with the requirements outlined in the table below to prevent disturbance to previously enhanced buffers.

Table 5. Proposed Enhancement within Plant Community A: VC Enhancement Area (143,309 square feet)

Requirements of Vegetated Corridor, Enhancement, and/or Mitigation

- Remove any invasive non-native species within the corridor by hand and re-vegetate cleared area using low impact methods.
- Broadcast seed bare ground or disturbed areas from weed removal with grass seed mix described above.

6.0 REFERENCES

Adamus, P.R. 2001. Guidebook for Hydrogeomorphic (HGM)-based Assessment of Oregon Wetland and Riparian Sites: Statewide Classification and Profiles. Oregon Division of State Lands, Salem, OR.

Clean Water Services, 2021. Design and Construction Standards (R&O 19-05).

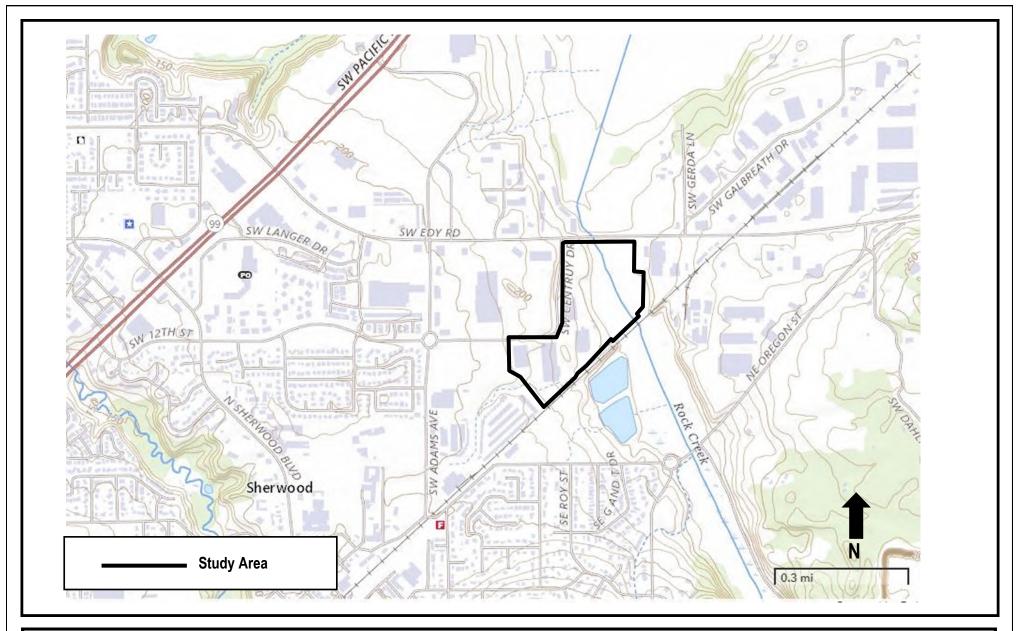
ORMAP tax maps, 2022. http://www.ormap.net/

- US Army Corps of Engineers, Environmental Laboratory, 2010. Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Western Mountains, Valleys, and Coast Region (Version 2.0).
- US Department of Agriculture, Natural Resources Conservation Service (NRCS), 2022. Web Soil Survey. http://websoilsurvey.sc.egov.usda.gov/App/HomePage.html
- US Geologic Survey, online, 2022. 7.5-minute topographic map, Sherwood, Oregon-Washington County quadrangle.

Appendix A

Figures

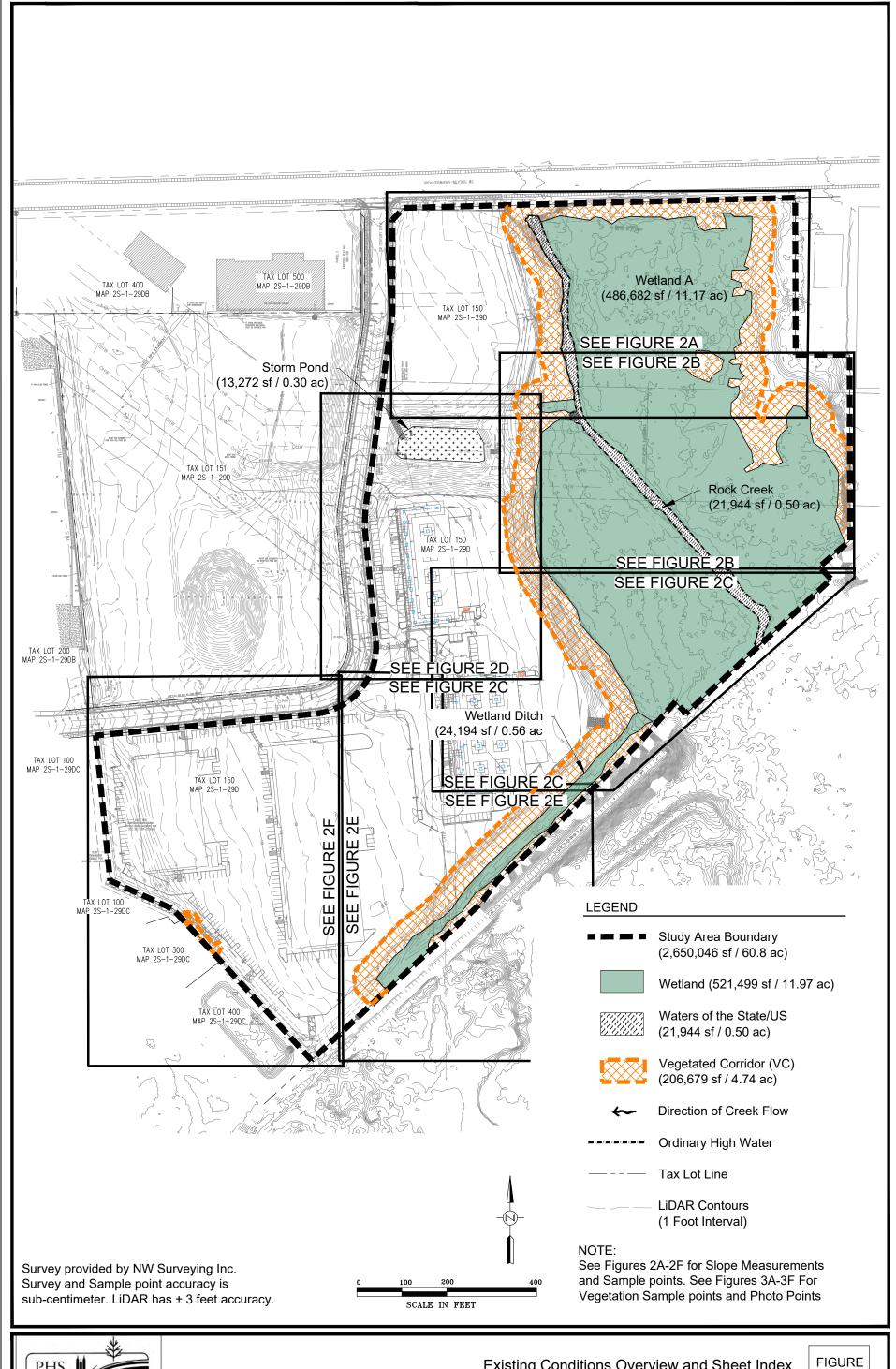






Pacific Habitat Services, Inc. 9450 SW Commerce Circle, Suite 180 Wilsonville, OR 97070 General Location and Topography Sherwood Industrial Park Phase III Development Site - Sherwood, Oregon United States Geological Survey (USGS) Sherwood, Oregon 7.5 quadrangle, 2022 (viewer.nationalmap.gov/basic) **FIGURE**

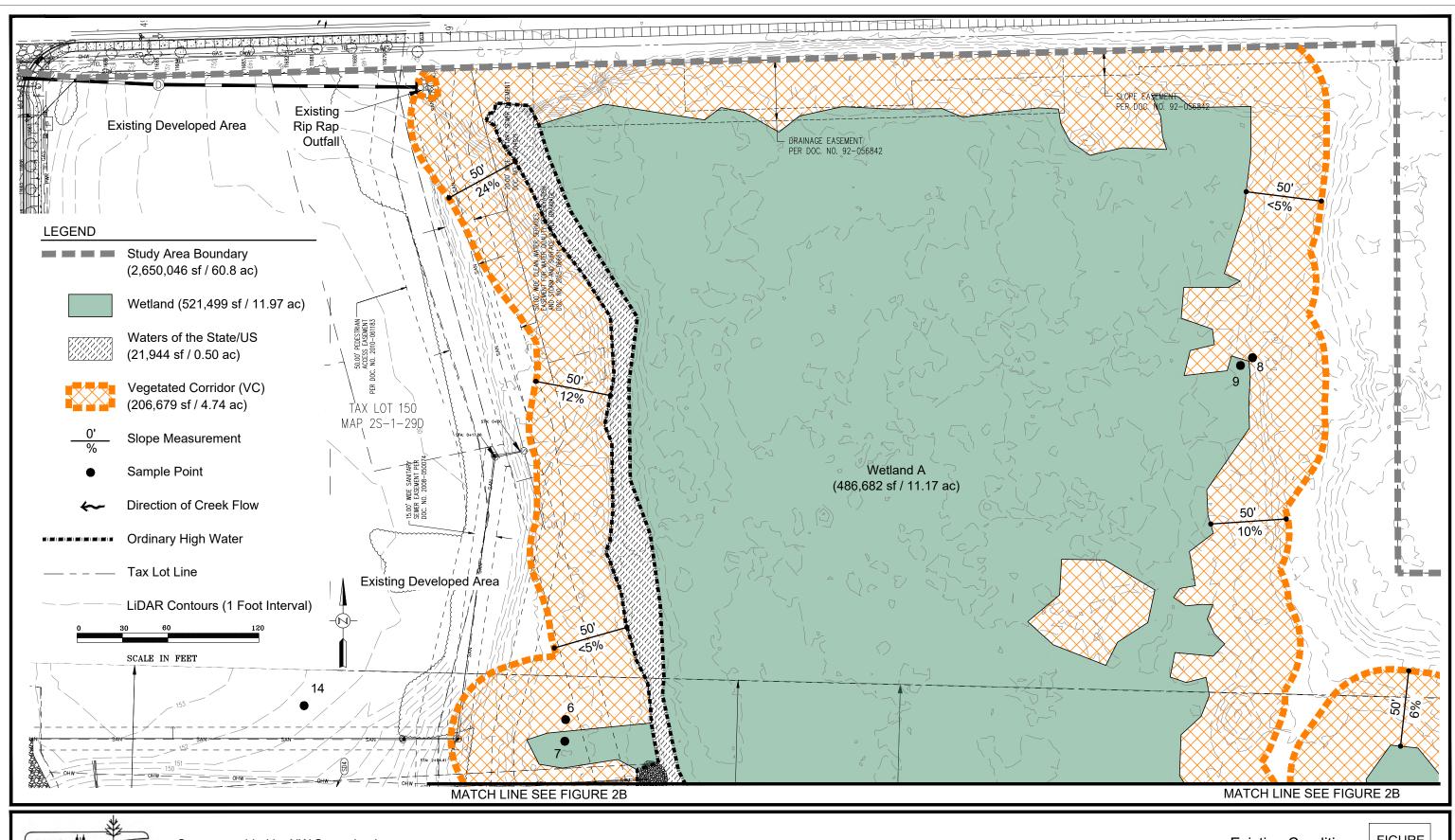
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Existing Conditions Overview and Sheet Index Sherwood Industrial Park Phase III Development Site - Sherwood, Oregon

figure 2

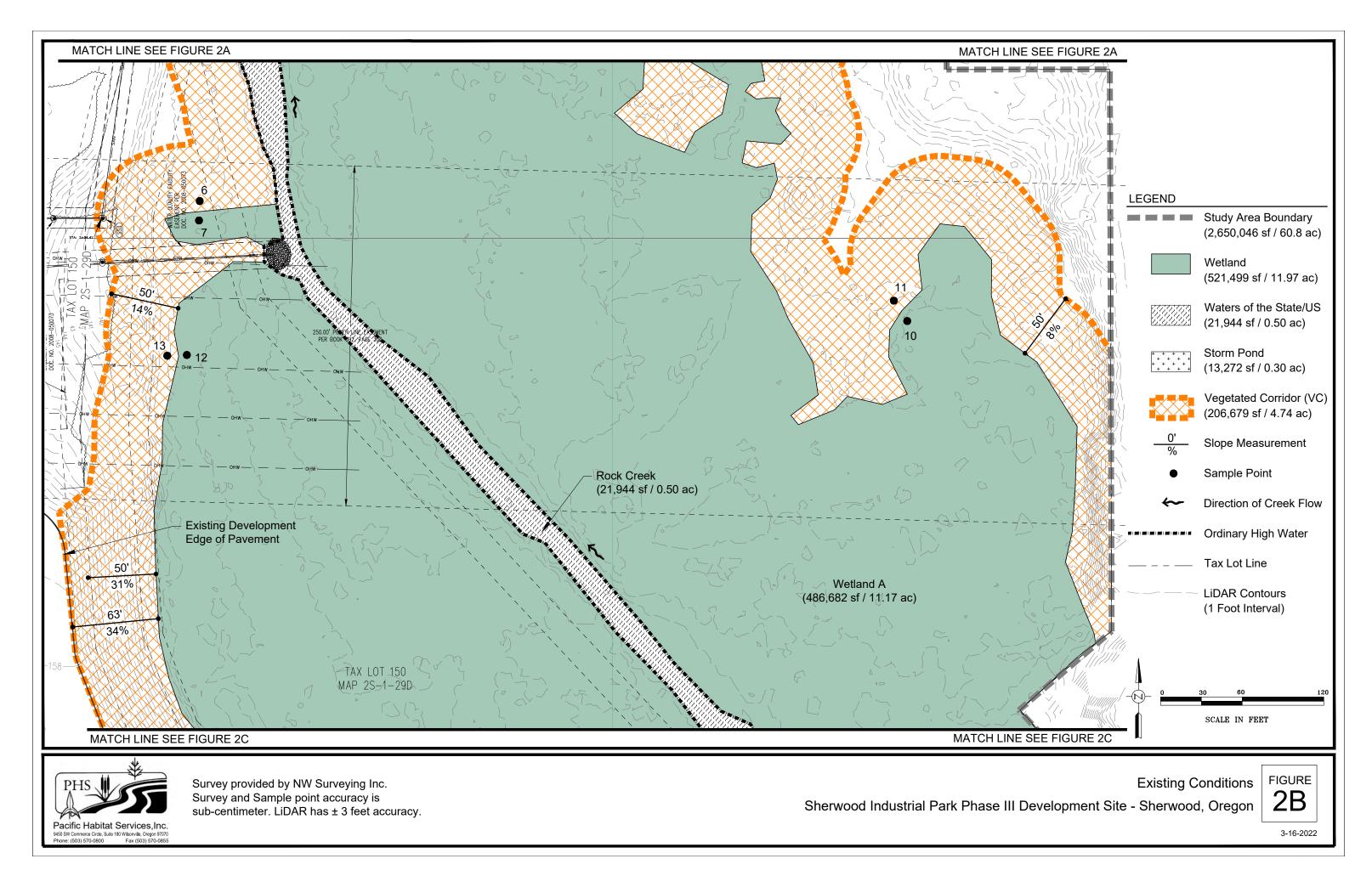


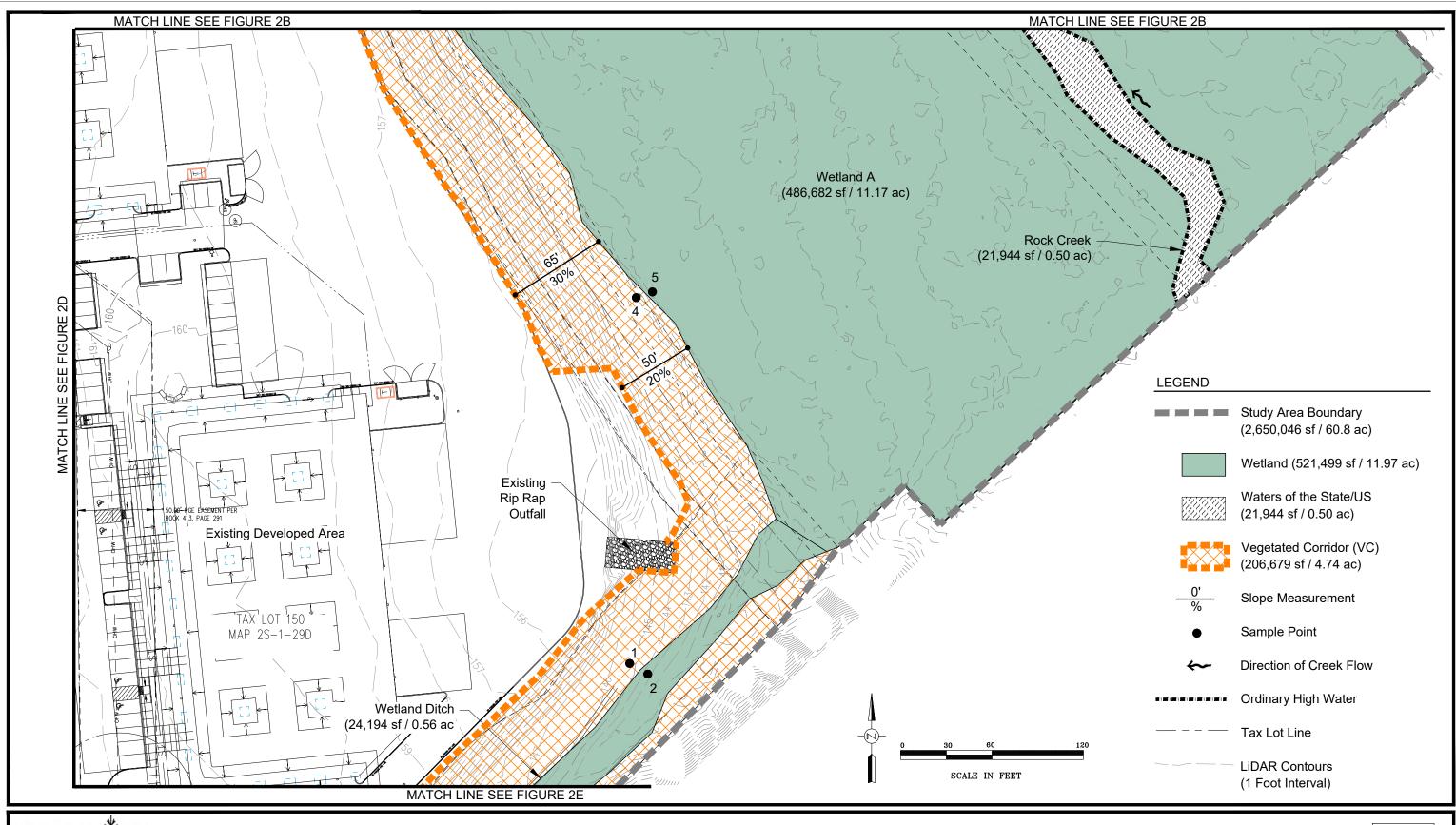


Existing Conditions

Sherwood Industrial Park Phase III Development Site - Sherwood, Oregon

FIGURE 2A

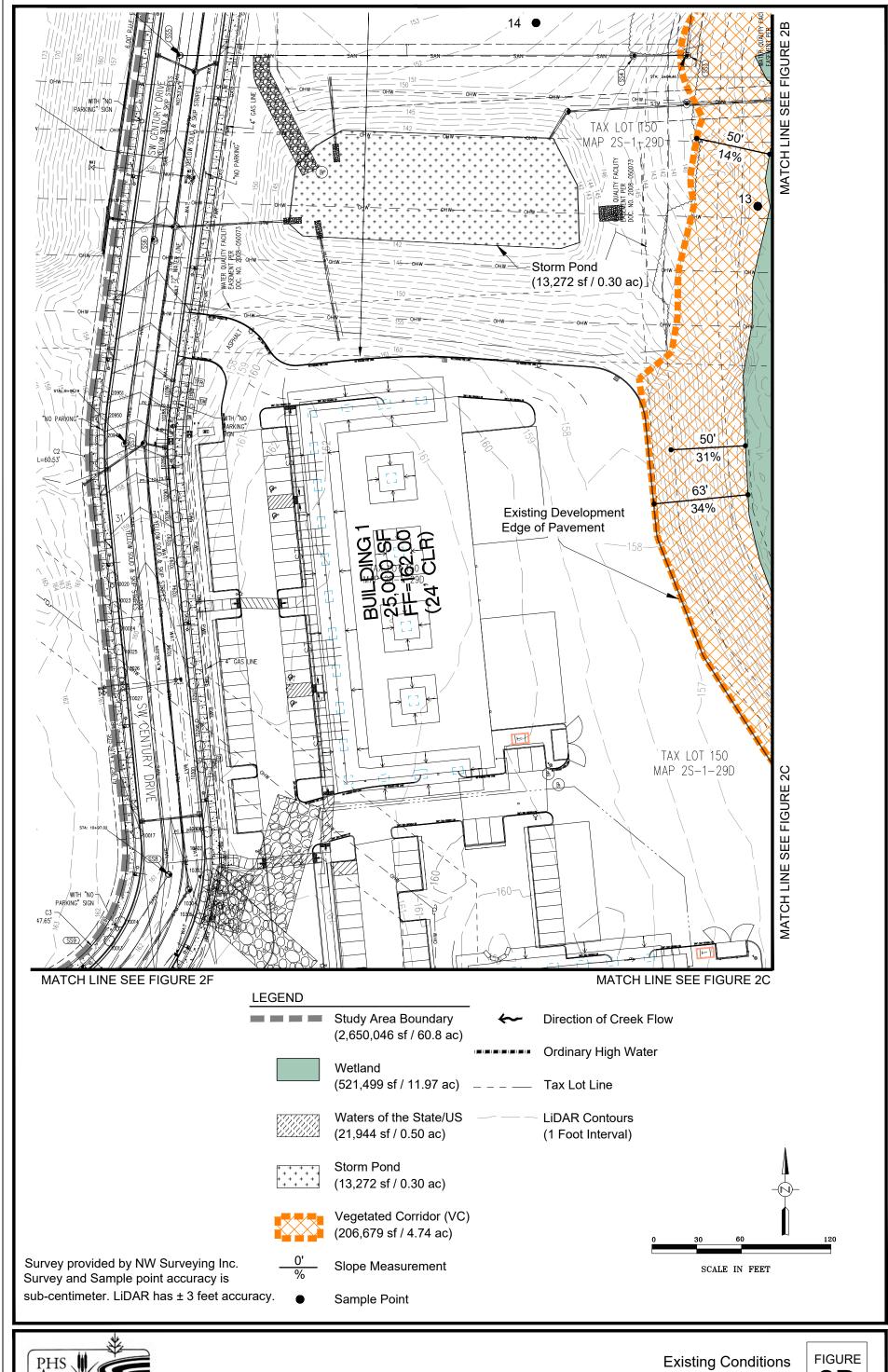






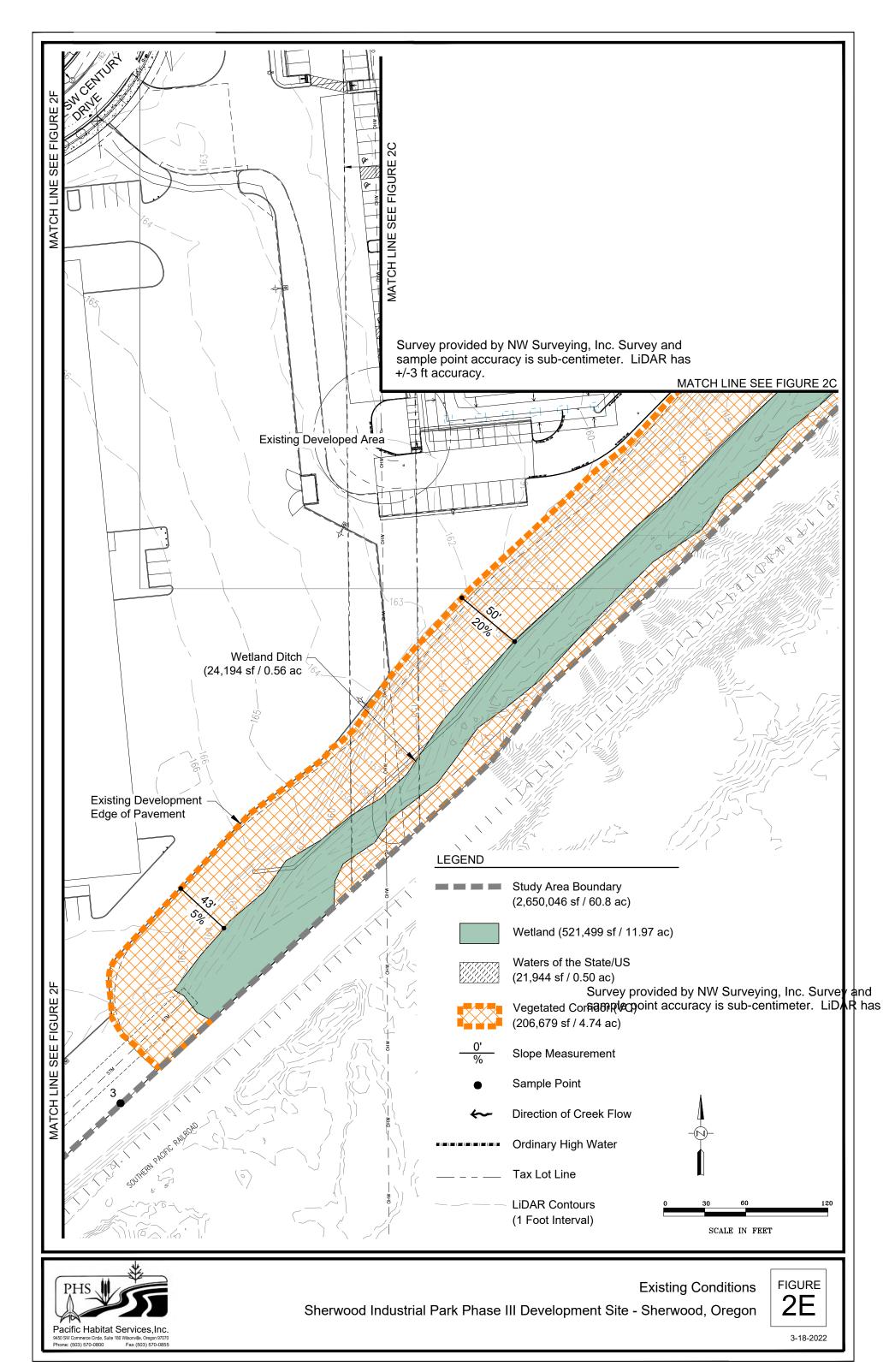
Existing Conditions
Sherwood Industrial Park Phase III Development Site - Sherwood, Oregon

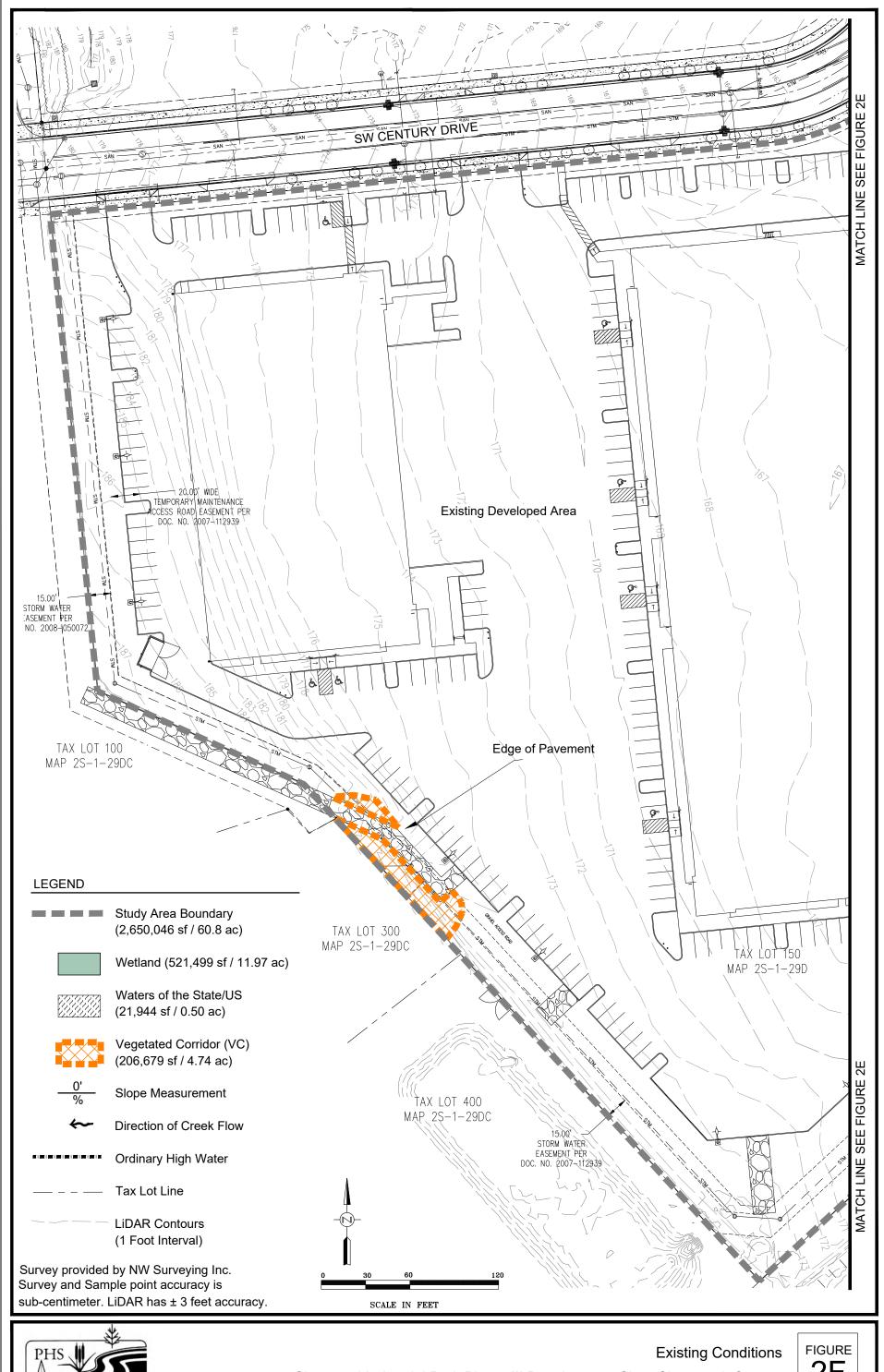
FIGURE 2C





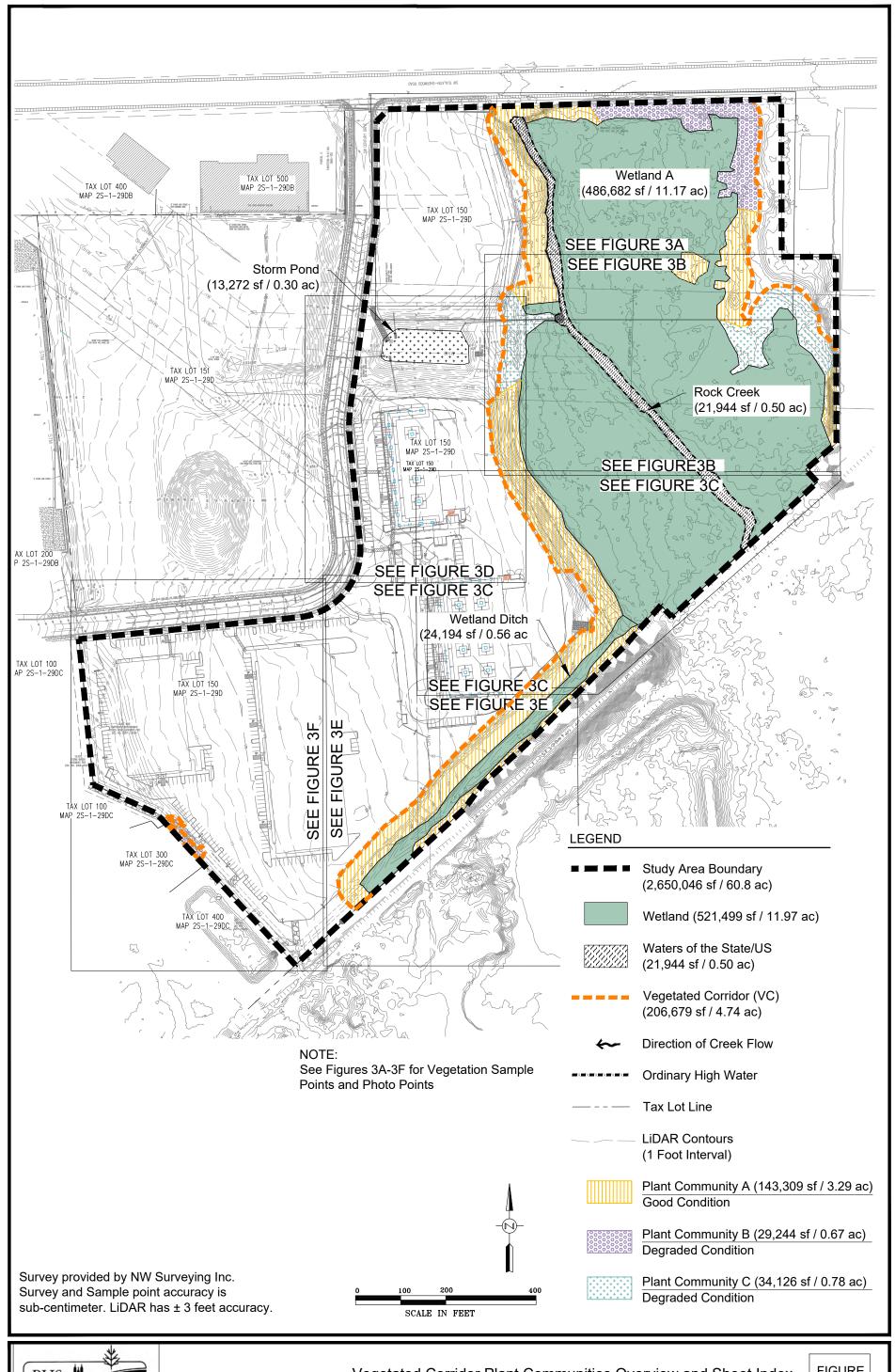
Sherwood Industrial Park Phase III Development Site - Sherwood, Oregon







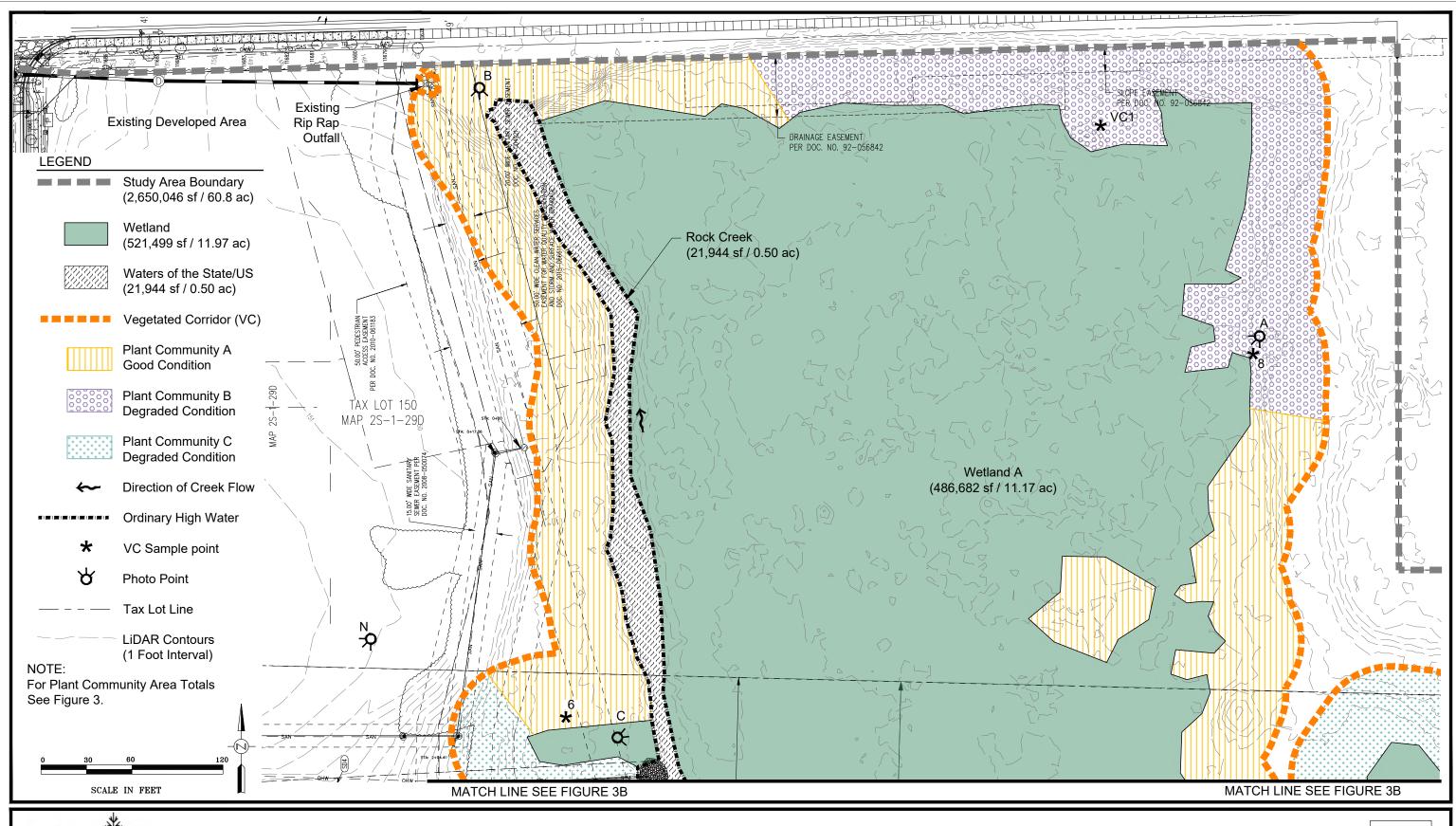
Sherwood Industrial Park Phase III Development Site - Sherwood, Oregon





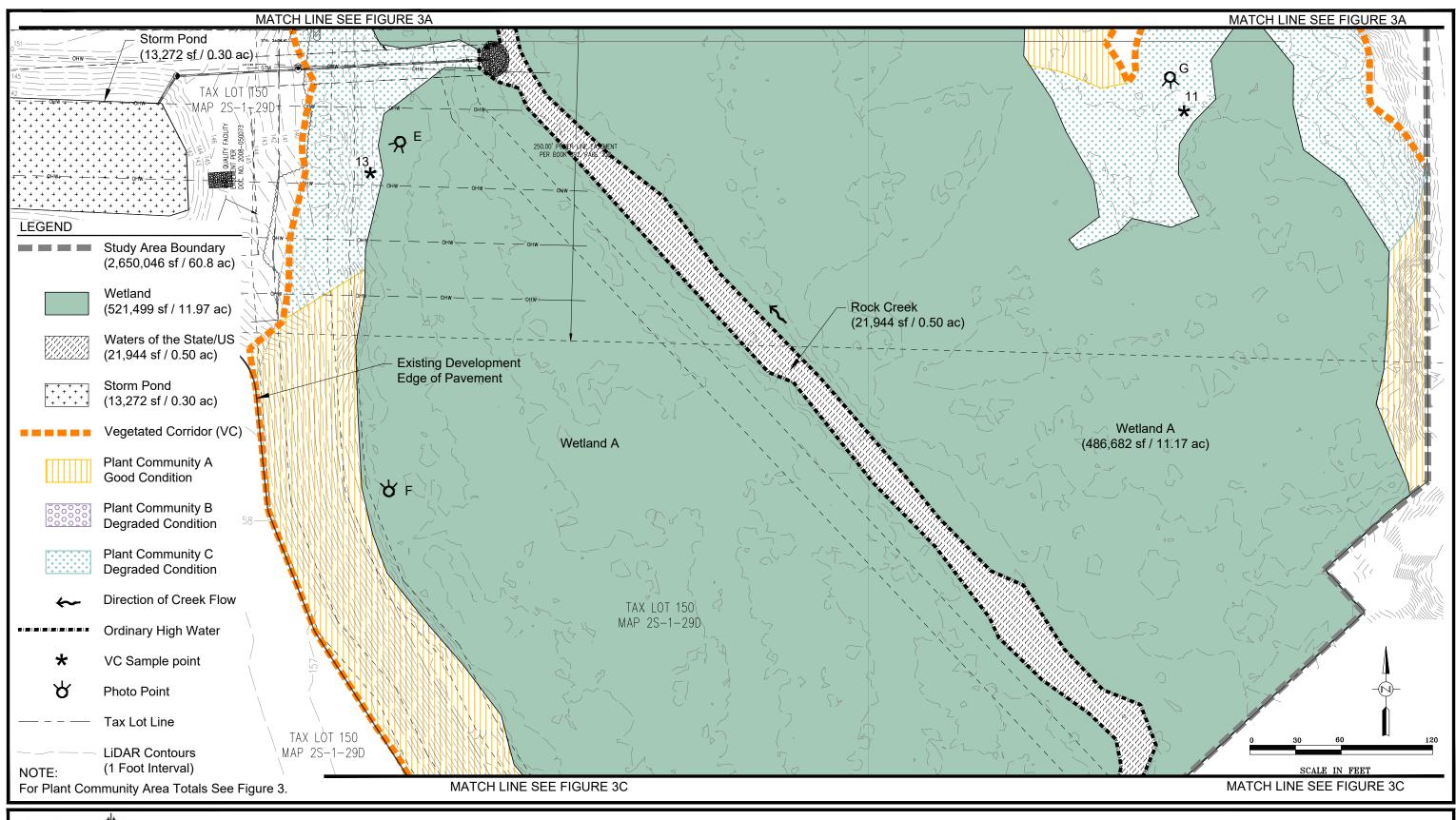
Vegetated Corridor Plant Communities Overview and Sheet Index Sherwood Industrial Park Phase III Development Site - Sherwood, Oregon FIGURE **2**

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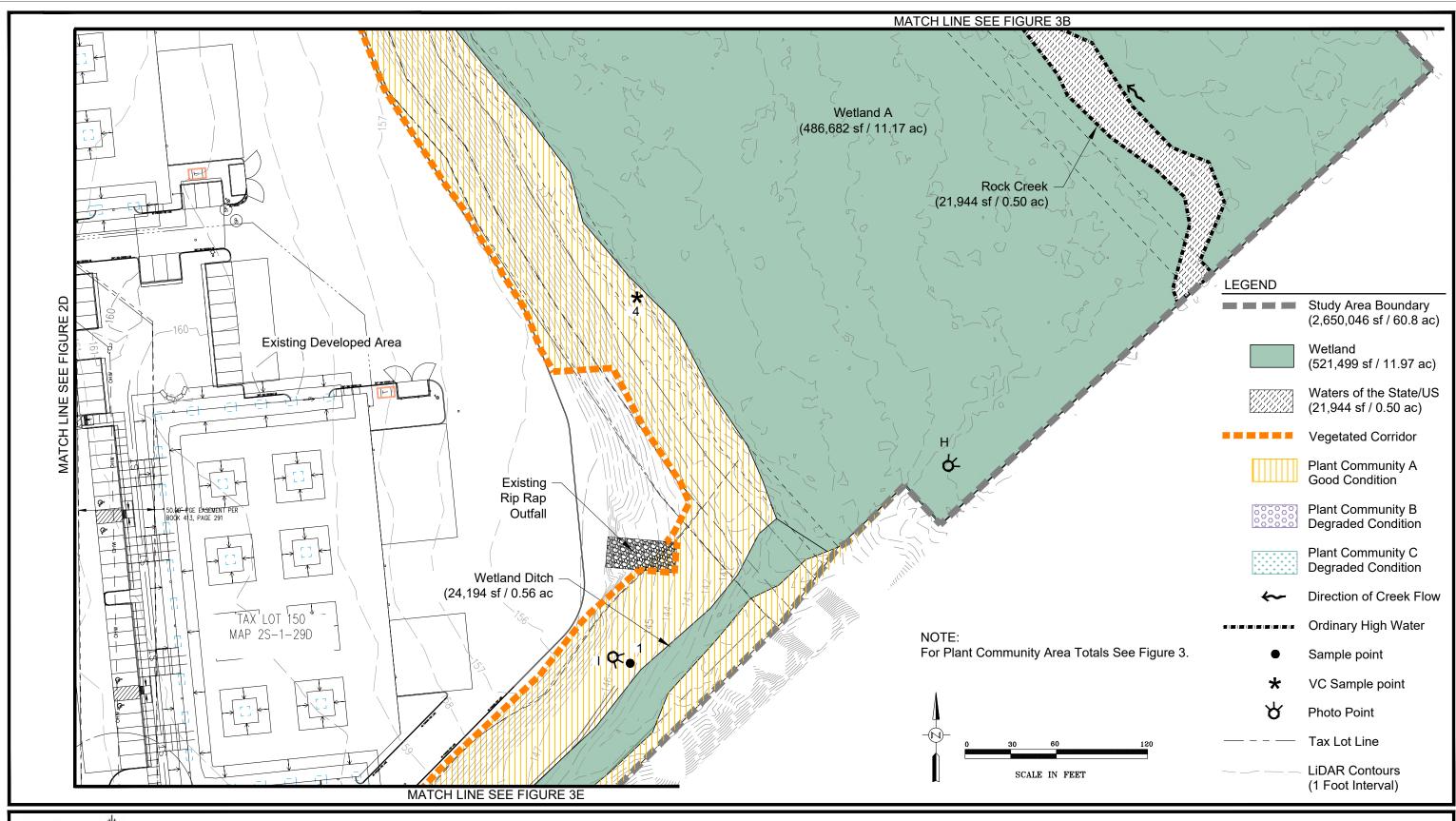
Vegetated Corridor Plant Communities Sherwood Industrial Park Phase III Development Site - Sherwood, Oregon





Vegetated Corridor Plant Communities
Sherwood Industrial Park Phase III Development Site - Sherwood, Oregon

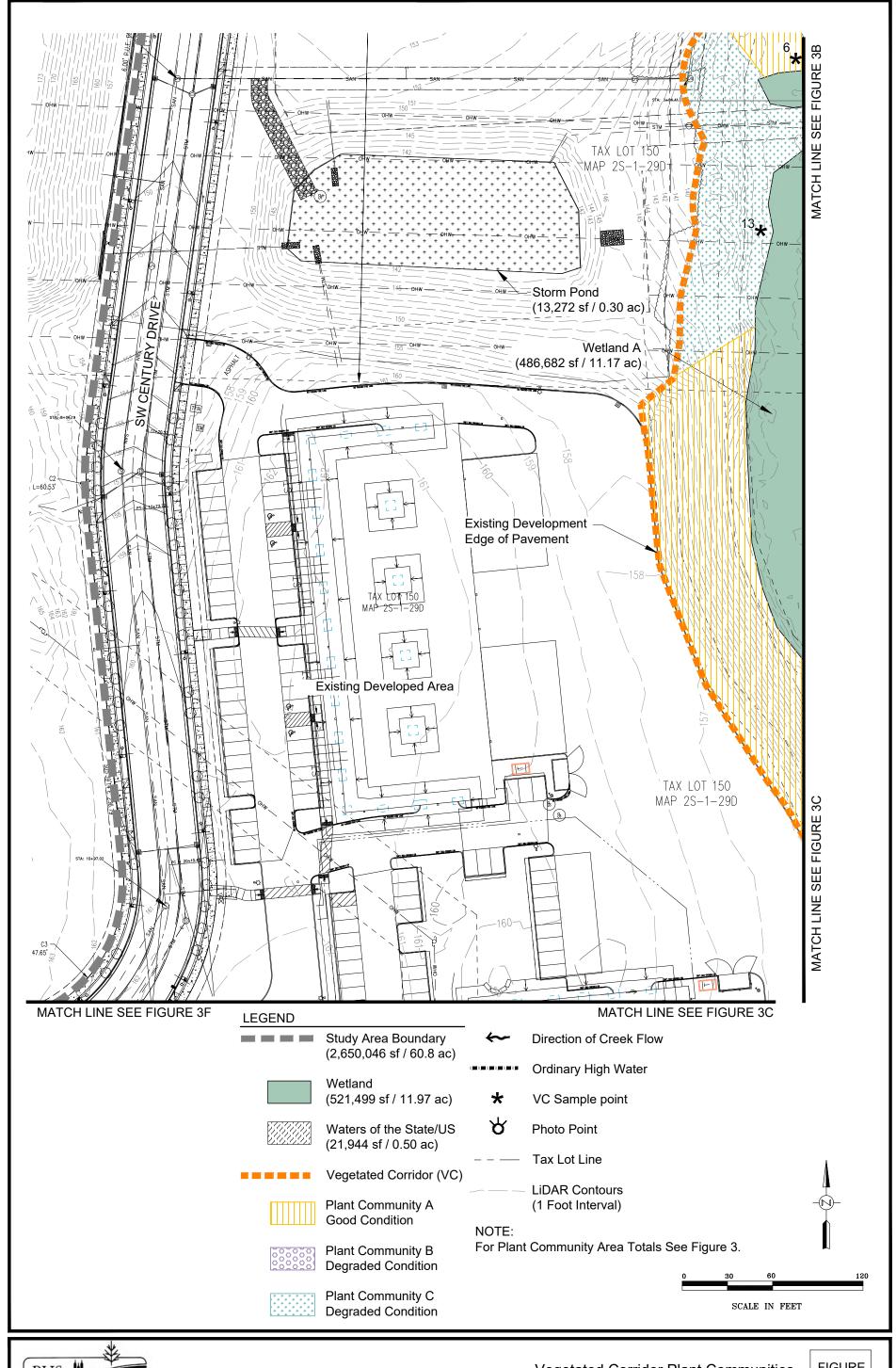
FIGURE 3B





Vegetated Corridor Plant Communities
Sherwood Industrial Park Phase III Development Site - Sherwood, Oregon

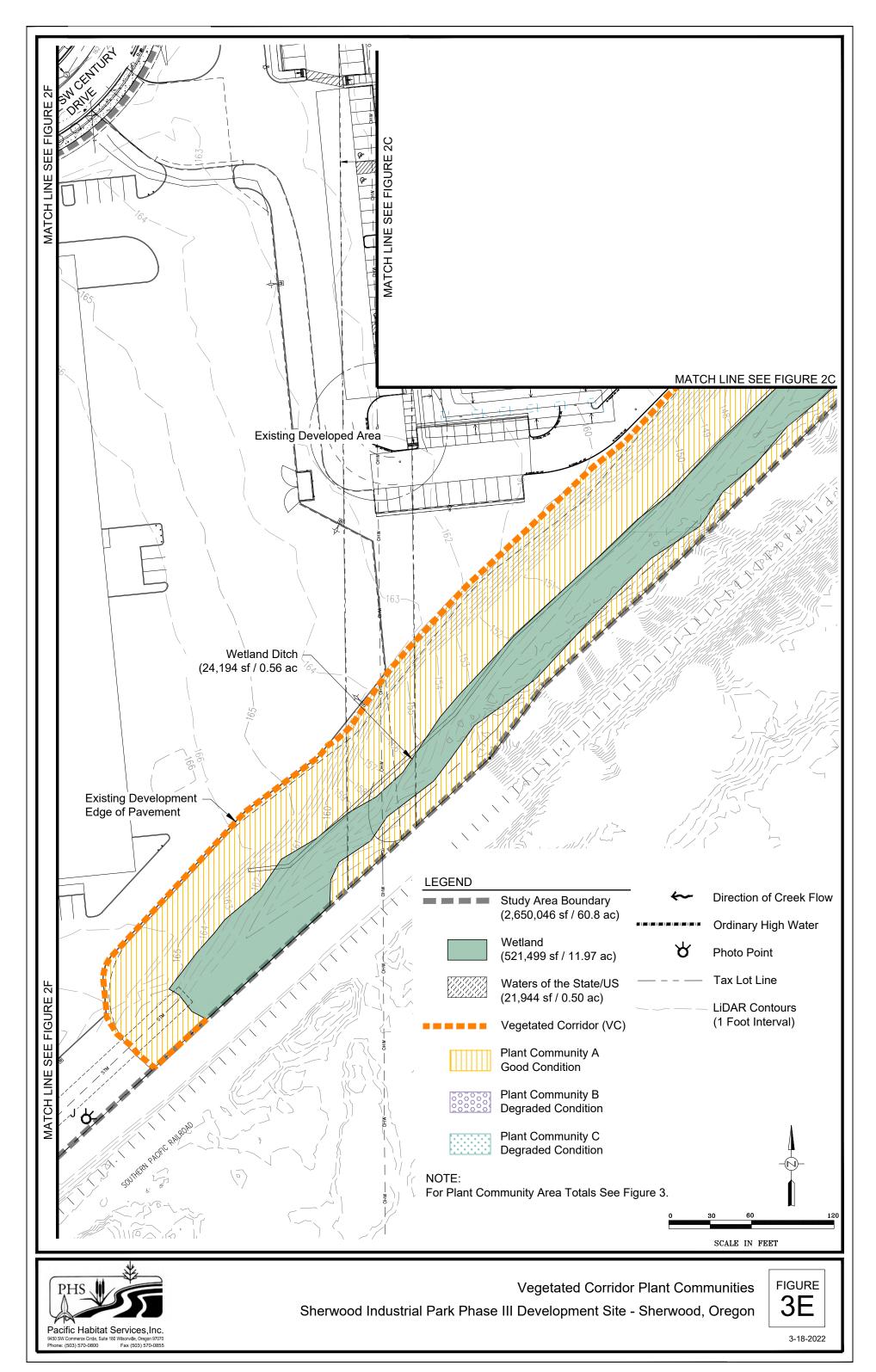
FIGURE 3C

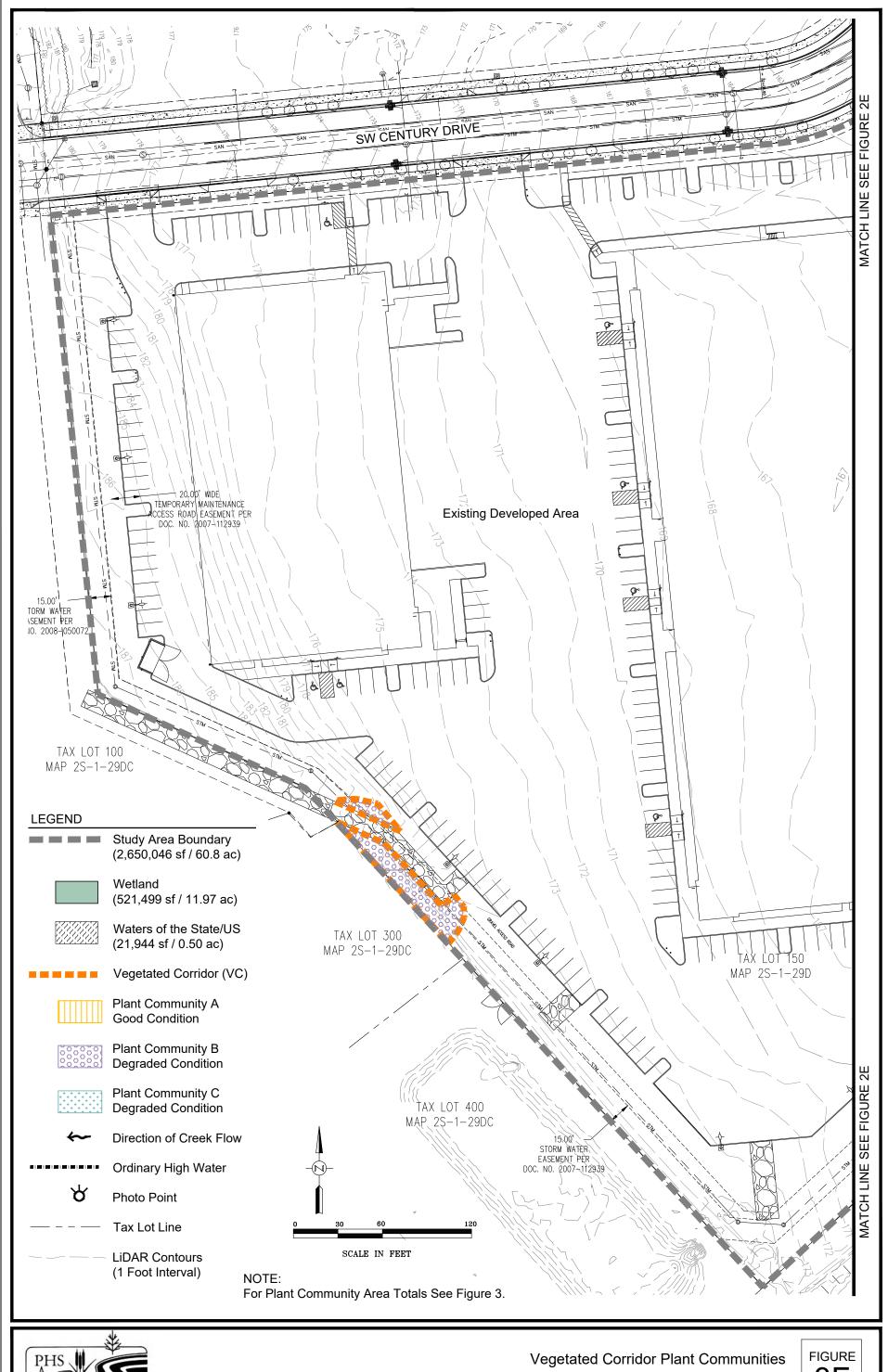




Vegetated Corridor Plant Communities

Sherwood Industrial Park Phase III Development Site - Sherwood, Oregon

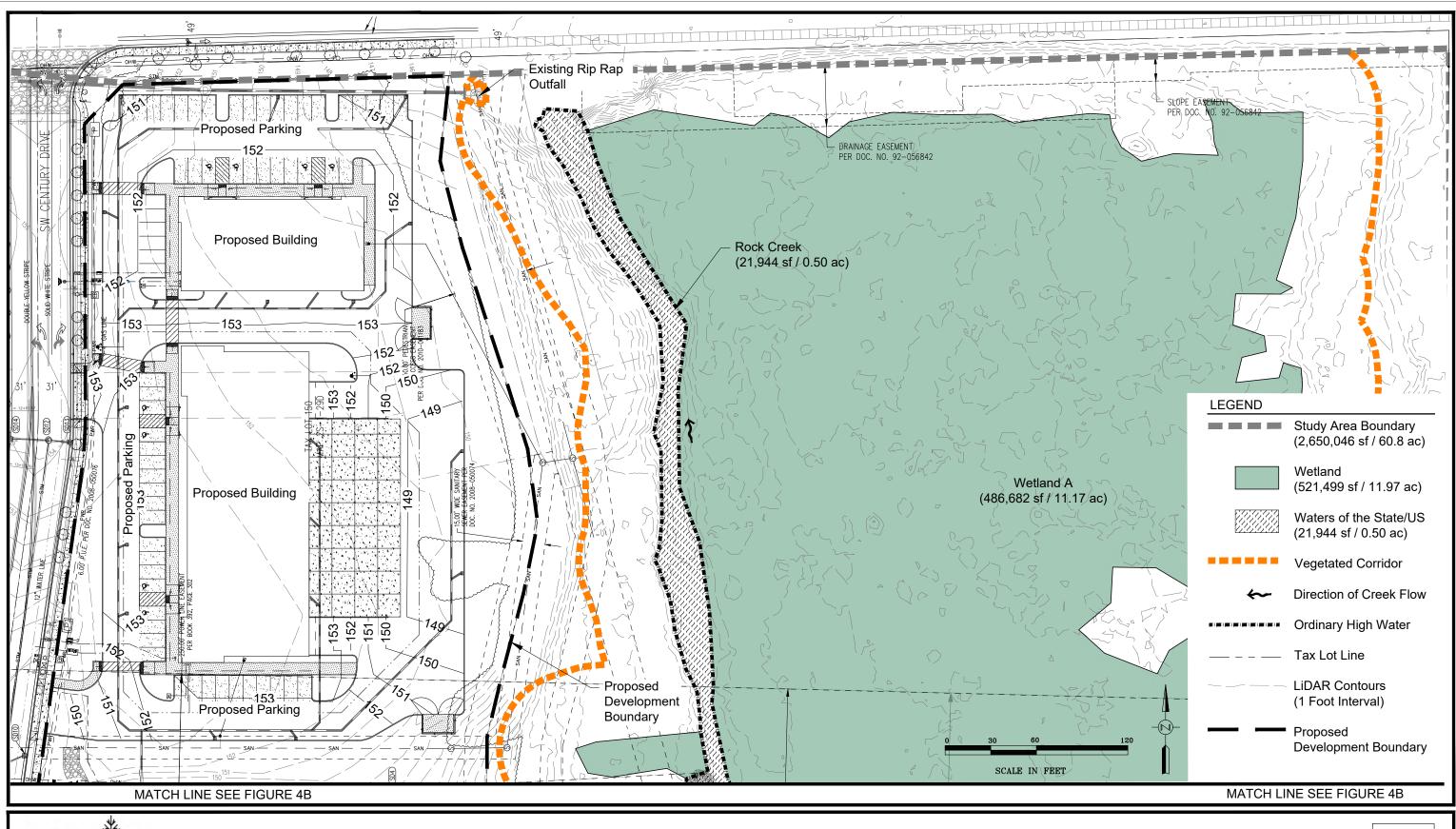






Vegetated Corridor Plant Communities
Sherwood Industrial Park Phase III Development Site - Sherwood, Oregon

3F

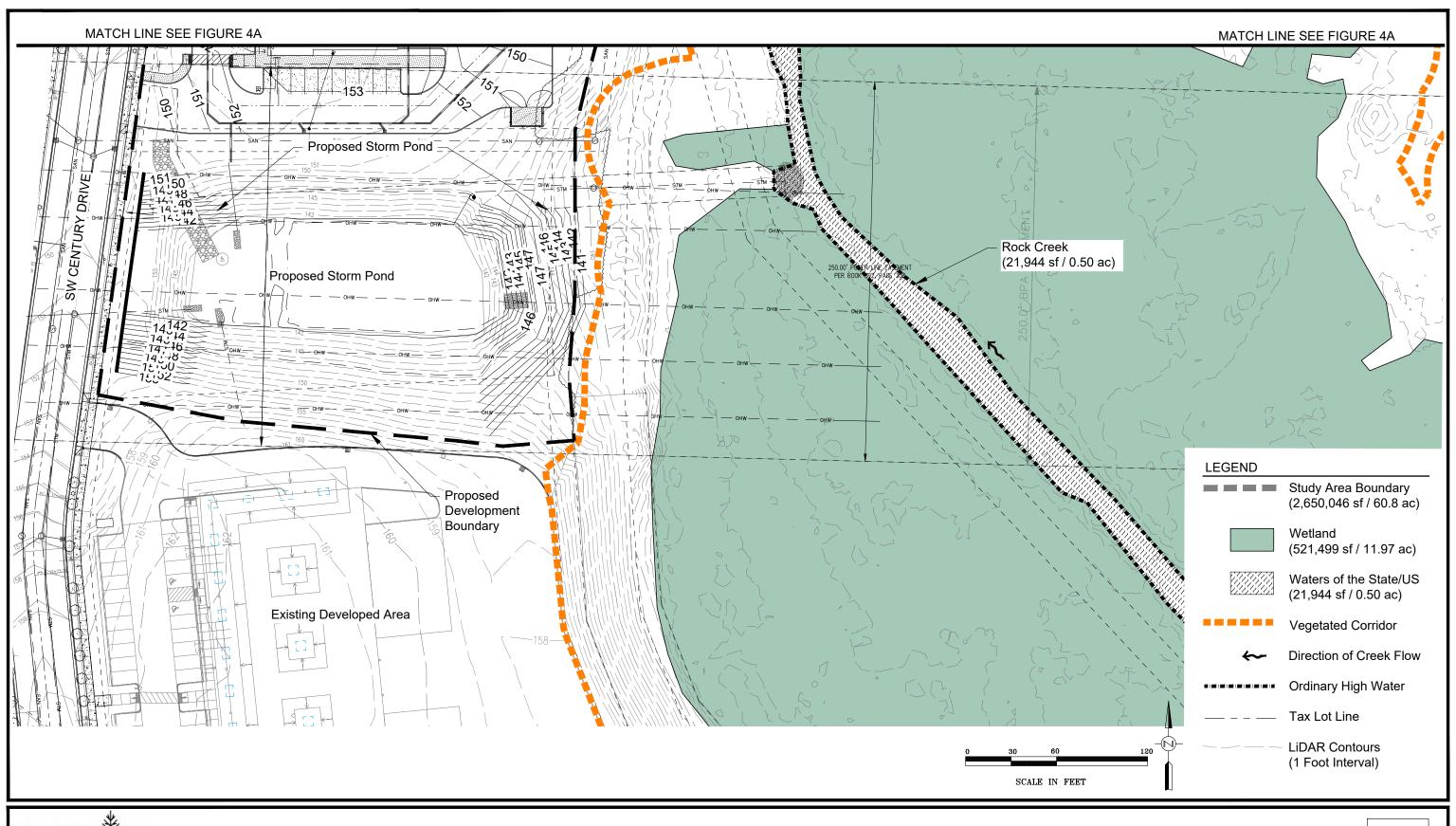




Plan provided by Mackenzie LiDAR has ± 3 feet accuracy.

Proposed Site Development Plan Sherwood Industrial Park Phase III Development Site - Sherwood, Oregon



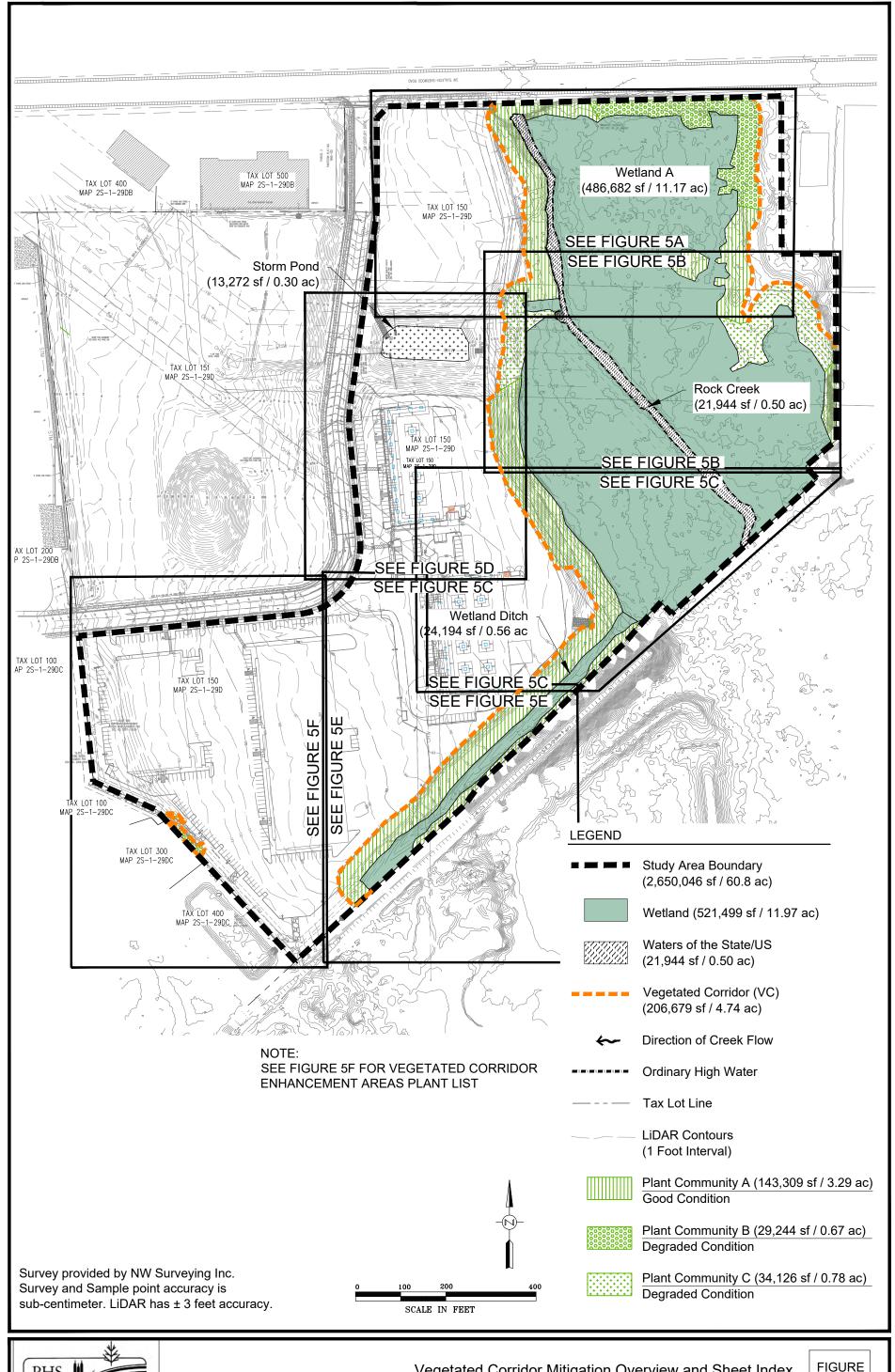




Plan provided by Mackenzie LiDAR has ± 3 feet accuracy.

Proposed Site Development Plan Sherwood Industrial Park Phase III Development Site - Sherwood, Oregon

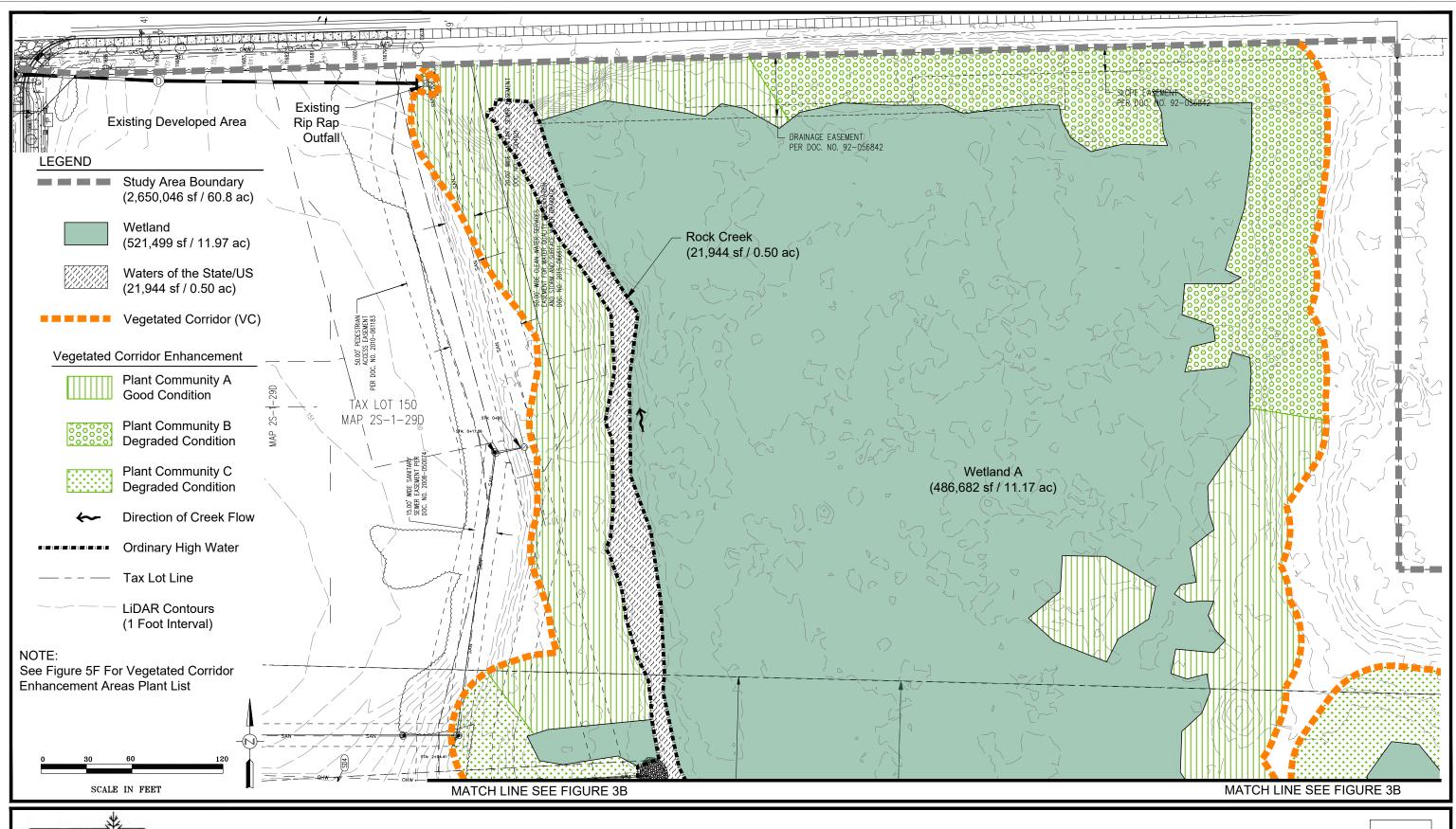
FIGURE 4B





Vegetated Corridor Mitigation Overview and Sheet Index Sherwood Industrial Park Phase III Development Site - Sherwood, Oregon FIGURE 5

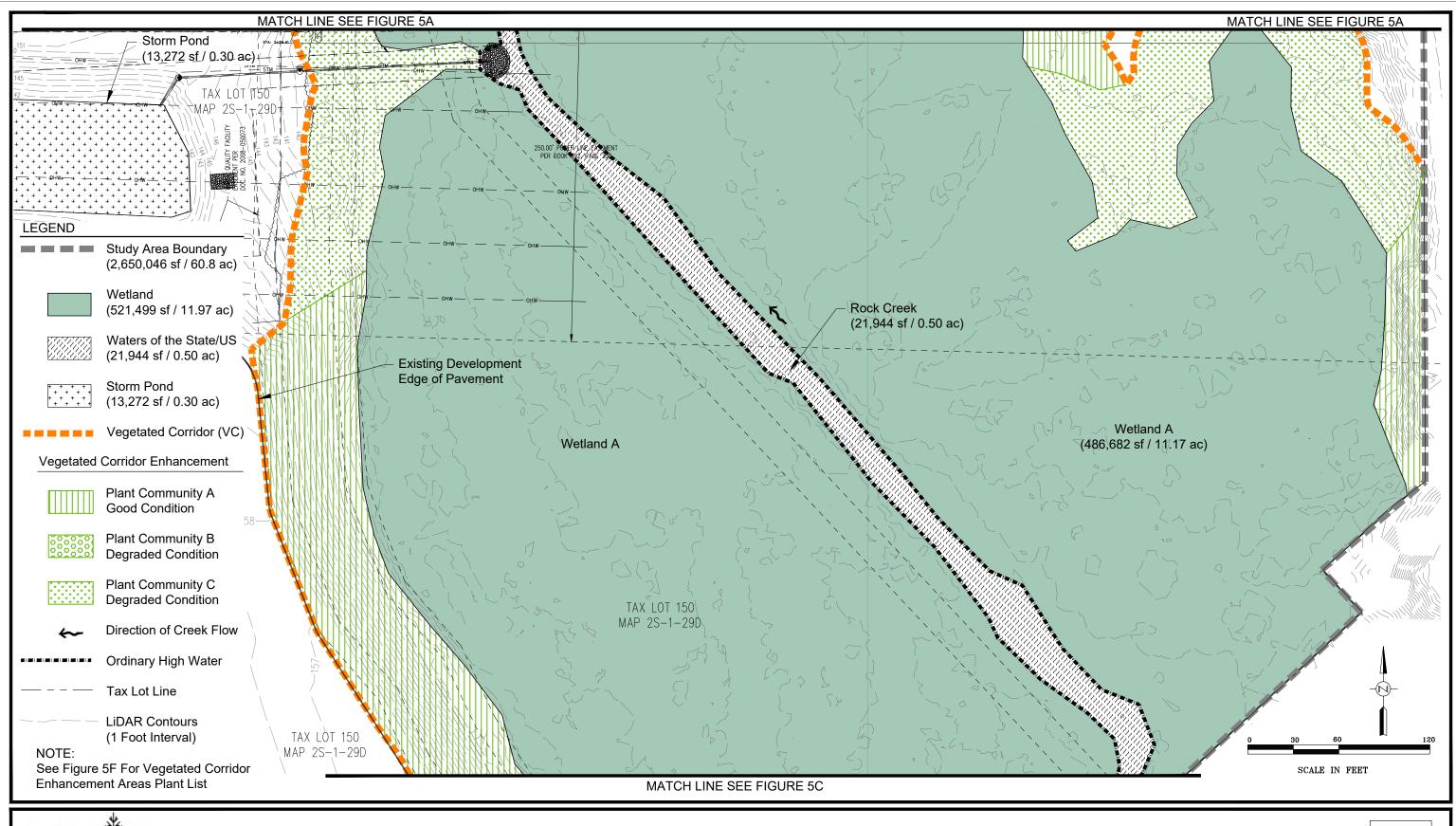
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Vegetated Corridor Enhancement Areas Sherwood Industrial Park Phase III Development Site - Sherwood, Oregon

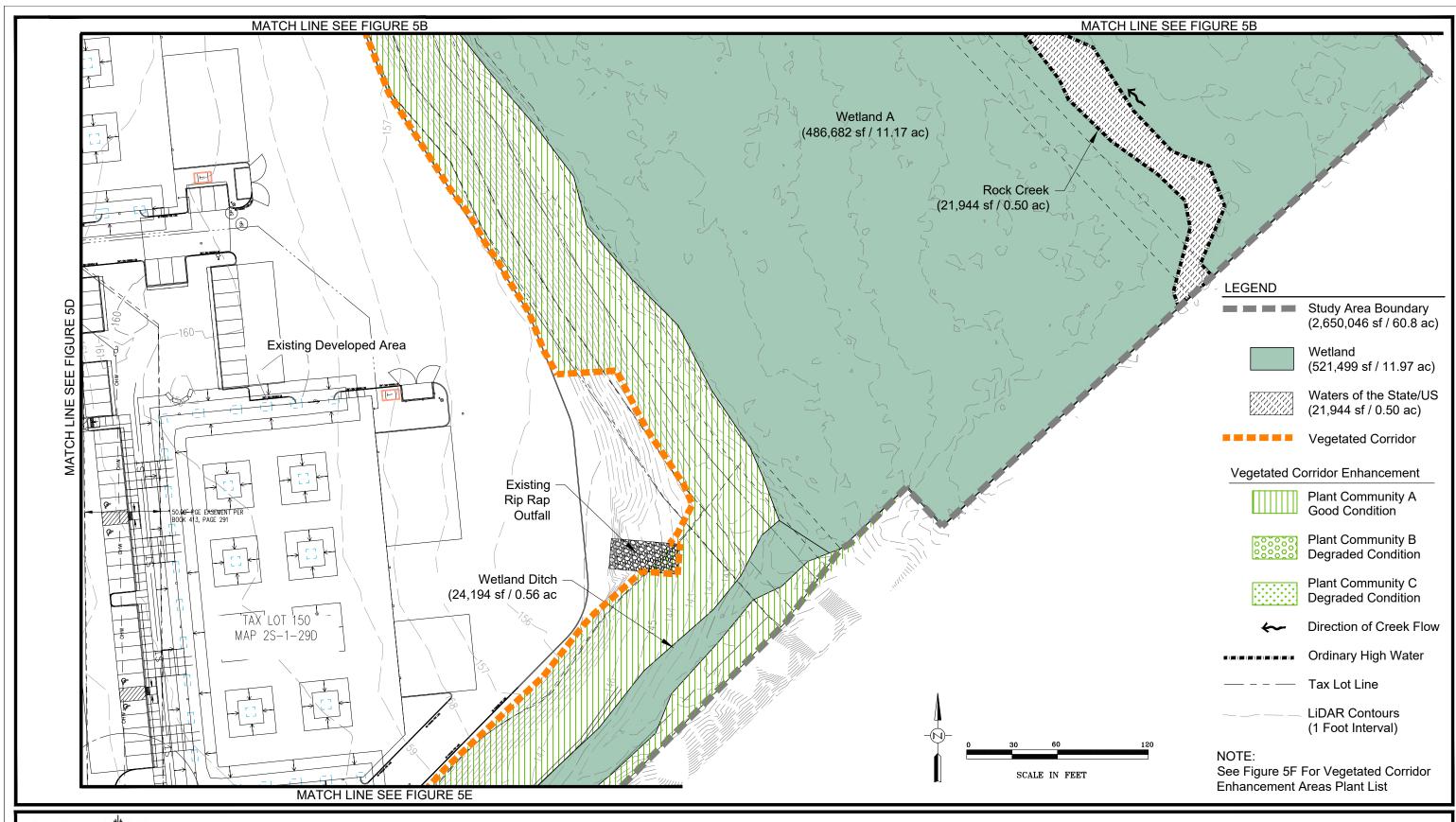






Vegetated Corridor Enhancement Areas Sherwood Industrial Park Phase III Development Site - Sherwood, Oregon

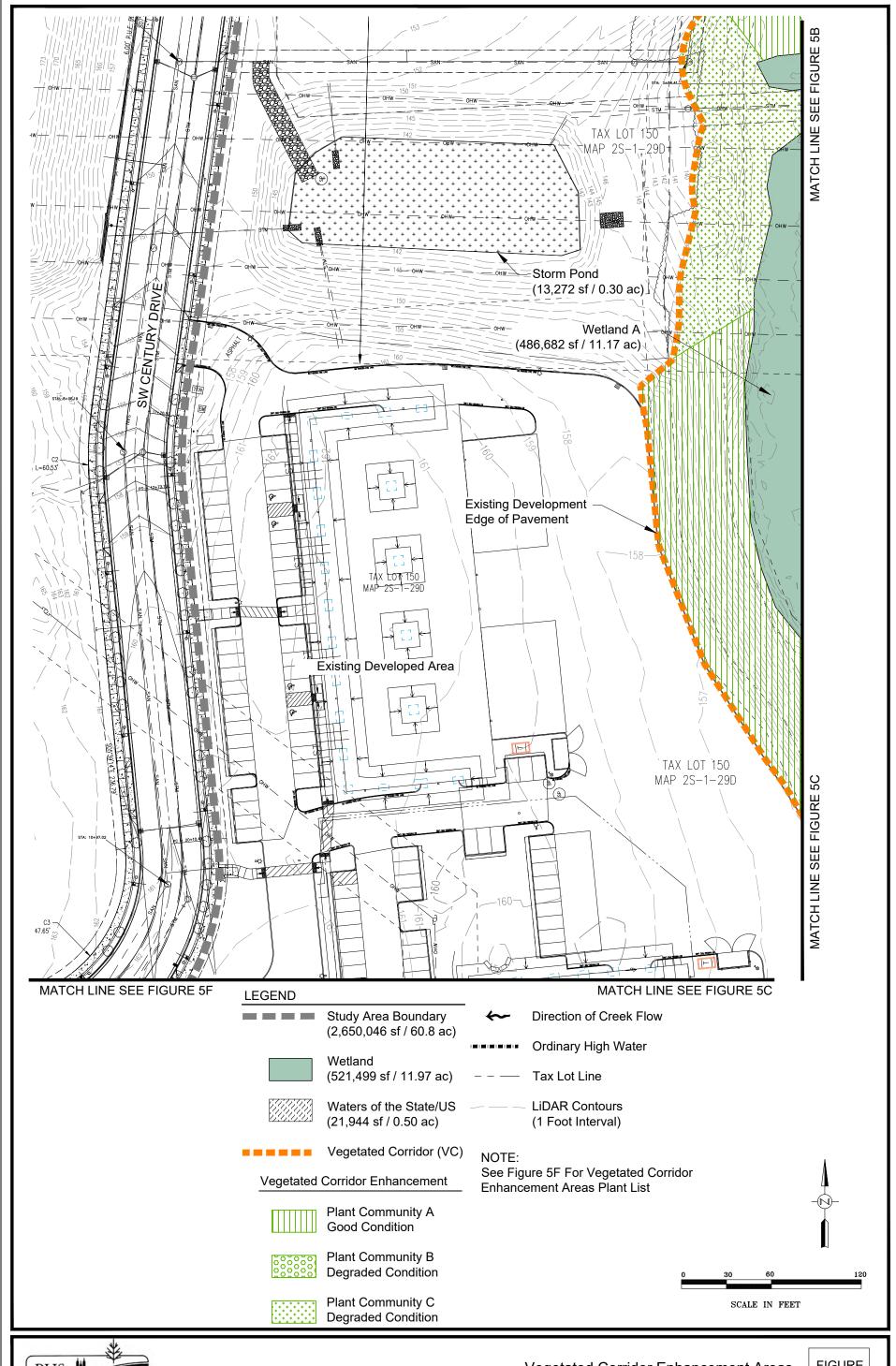
FIGURE 5B





Vegetated Corridor Enhancement Areas
Sherwood Industrial Park Phase III Development Site - Sherwood, Oregon

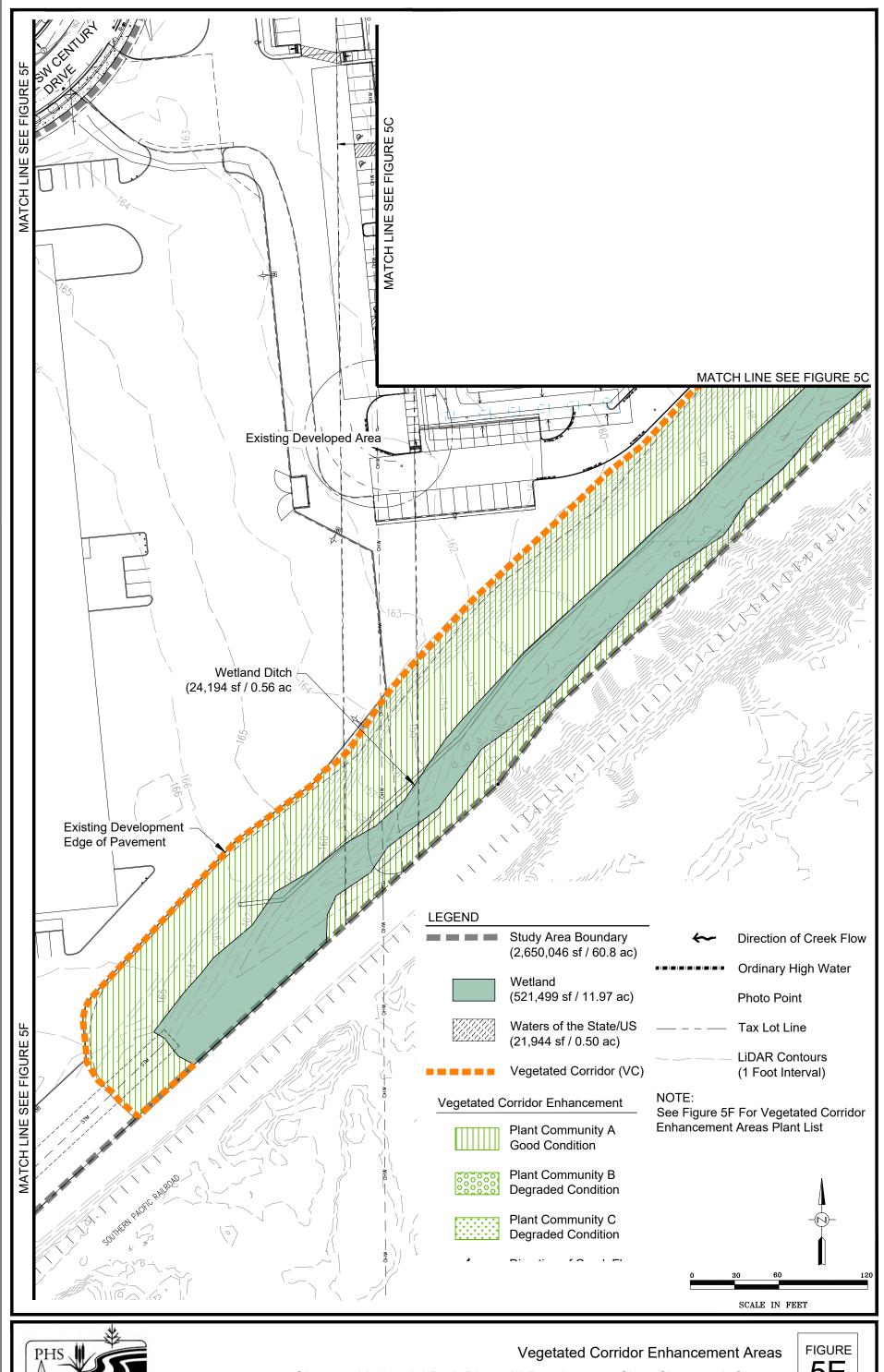
FIGURE 5C





Vegetated Corridor Enhancement Areas Sherwood Industrial Park Phase III Development Site - Sherwood, Oregon

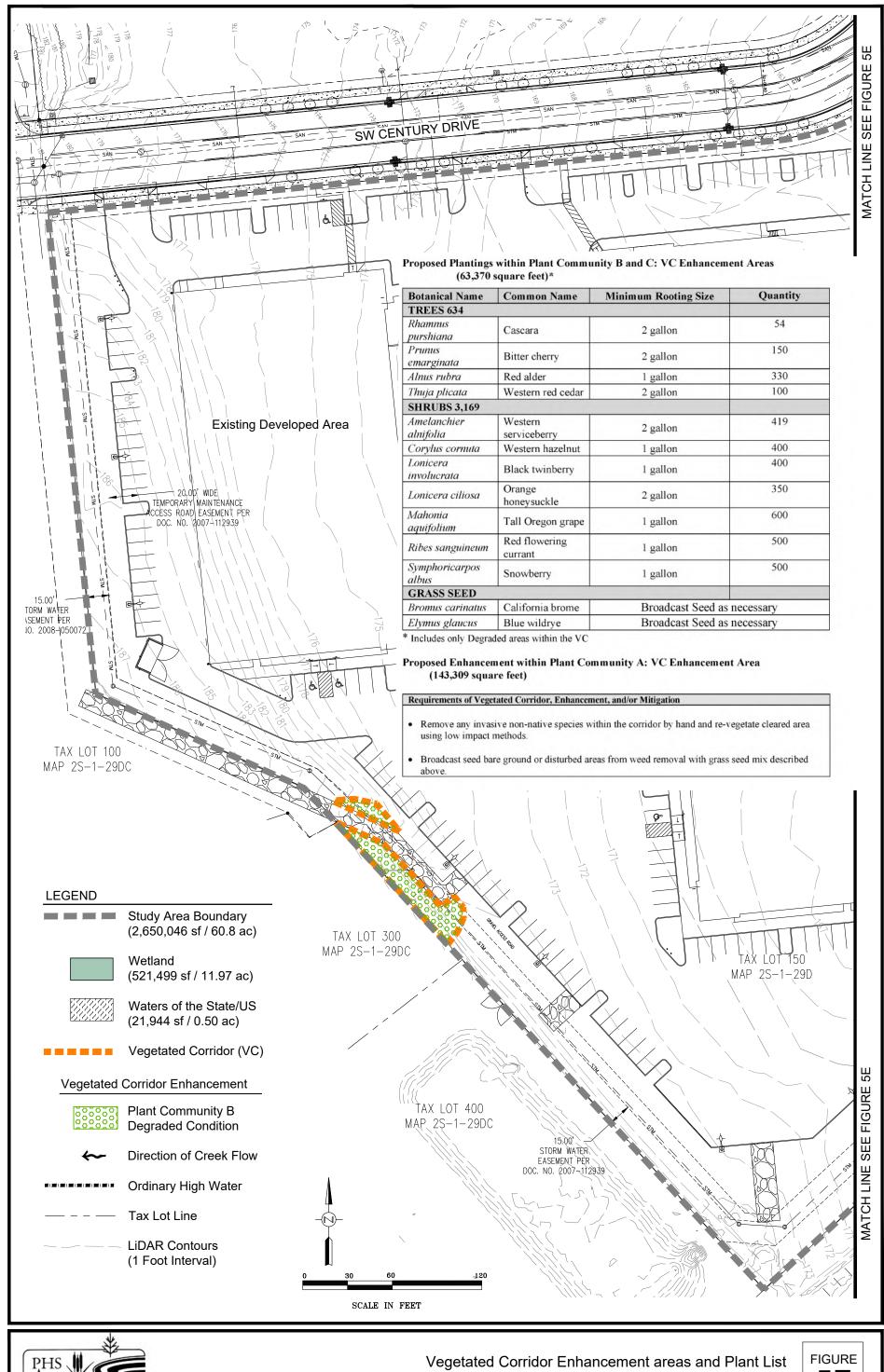
FIGURE 5D





Sherwood Industrial Park Phase III Development Site - Sherwood, Oregon

5E





Vegetated Corridor Enhancement areas and Plant List Sherwood Industrial Park Phase III Development Site - Sherwood, Oregon 5F

Appendix B

Wetland Delineation Data Sheets



PHS #

7296

WETLAND DETERMINATION DATA FORM - Western Mountains, Valleys, and Coast Region

Project/Site:	Sherwood Industrial Park		l Park	City/County:	Sherwood/Washington Sampling Date: 8/			e: 8/2	25/2021	
Applicant/Owner:	wner: OWRA Sherwood,		LLC			State:	OR	Sampling Point:	1	
Investigator(s): CM/CR			Section, To	wnship, Range:	Section 29I), Township 2S	outh, Range 1W	est		
Landform (hillslope	e, terrace, etc.:)		Slope/Dite	ch	Local relief (cor	ncave, convex, none):	Concave	Slope (%):	5	
Subregion (LRR):		LRR	A	Lat:	45.364	Long:	-122.8281	Datum:	WGS84	
Soil Map Unit Nam	ne:		Aloha	silt loam		NWI Cla	ssification:	None		
Are climatic/hydrol	ogic conditions on	the site	typical for this tim	ne of year?	Yes	No	X (if no, e	xplain in Remarks)		
Are vegetation	Soil	or H	ydrology	significantly dist	urbed?	Are "Normal Circumstance	es" present? (Y/N)) Y		
Are vegetation	Soil	_	ydrology	-		explain any answers in Rei	, , ,		-	
		-					,			
SUMMARY O	F FINDINGS -	- Atta	ch site map	showing san	npling point	locations, transects	, important fe	atures, etc.		
Hydrophytic Veget	ation Present?	Yes	X No							
Hydric Soil Presen	t?	Yes	No	X	Is Sampled Ar			No X	_	
Wetland Hydrology	/ Present?	Yes	No	X		_	<u> </u>		-	
Remarks: P	recipitation is	below i	normal, which	is now comm	on. As such.	we make sure to evalu	ate a dry-seaso	on water table in	areas of	
	-					are present. The site is	-			
						e and storm facilities.				
					receive contin	nual sheet flow from po	ervious upper s	lopes as before		
VEGETATION	l - Use scient	ific na	mes of plant	s.		•				
			absolute % cover	Dominant Species?	Indicator Status	Dominance Test work	ksheet:			
Tree Stratum (p	lot size:	30)	Species?	Otatus	Number of Dominant Spec	cies			
1 Quercus ga			, 30	X	FACU	That are OBL, FACW, or F		5	(A)	
2 Pseudotsug			10		FACU				_(' ')	
3 Corylus cor			10		FACU	Total Number of Dominan	t			
4 Salix scoule			20	X	FAC	Species Across All Strata:		7	(B)	
			65	= Total Cover					• ` ′	
Sapling/Shrub Stra	atum (plot size:	30	\			Dercent of Deminent Spec	ioo			
1 Spiraea dou	([/] 20	X	FACW	Percent of Dominant Spec That are OBL, FACW, or		71%	(A/B)	
2 Cytisus sco			10		(UPL)	That are OBL, I ACVV, Of		7 1 70	_(/////)	
3 Mahonia aq	•		10		FACU	Prevalence Index Wo	rksheet:			
4 Alnus rubra			30	X	FAC	Total % Cover of	Multiply	by:		
5						OBL Species	x 1			
			70	= Total Cover		FACW species	x 2	= 0	-	
						FAC Species	x 3	= 0	<u>-</u>	
Herb Stratum (p	lot size:	10)			FACU Species	x 4	= 0	_	
1 Phalaris aru	ındinacea		40	X	FACW	UPL Species	x 5	= 0	_	
2 Holcus lana			30	X	FAC	Column Totals	0 (A)	0	(B)	
3 Galium apa			20	X	FACU					
4 Dipsacus fu			5		FAC	Prevalence Index =E	B/A =	#DIV/0!	-	
			5		FAC					
5 Poa pratens	SIS						on indicators:			
6	SIS					Hydrophytic Vegetati				
6 7	SIS						I- Rapid Test for H	ydrophytic Vegetatio	on	
6	51S					x	I- Rapid Test for H	is >50%	on	
6 7	is s		100	= Total Cover		<u> </u>	I- Rapid Test for Hy 2- Dominance Test 3-Prevalence Index	is $>50\%$ is $\le 3.0^1$		
6 7			100	= Total Cover		X	I- Rapid Test for H 2- Dominance Test 3-Prevalence Index I-Morphological Ad	is >50%	supporting	
6 7 8			100	= Total Cover		X	I- Rapid Test for H 2- Dominance Test 3-Prevalence Index I-Morphological Ad	is >50% is ≤ 3.0¹ aptations¹ (provide on a separate shee	supporting	
6 7 8 Woody Vine Stratu			100	= Total Cover		X 2	I- Rapid Test for H 2- Dominance Test 3-Prevalence Index I-Morphological Ad data in Remarks or 5- Wetland Non-Va	is >50% is ≤ 3.0 ¹ aptations ¹ (provide on a separate shee scular Plants ¹	supporting it)	
6 7 8 Woody Vine Stratu			100			X 2	I- Rapid Test for H 2- Dominance Test 3-Prevalence Index I-Morphological Ad data in Remarks or 5- Wetland Non-Va Problematic Hydrop	is >50% is ≤ 3.0 ¹ aptations ¹ (provide on a separate shee scular Plants ¹ ohytic Vegetation ¹ (E	supporting t) Explain)	
6 7 8 Woody Vine Stratu			_)	= Total Cover		X 2	I- Rapid Test for H 2- Dominance Test 3-Prevalence Index I-Morphological Ad data in Remarks or 5- Wetland Non-Va Problematic Hydrop	is >50% is ≤ 3.0 ¹ aptations ¹ (provide on a separate shee scular Plants ¹ ohytic Vegetation ¹ (E	supporting t) Explain)	
6 7 8 Woody Vine Stratu	ı <u>m</u> (plot size:		_)			X 2 Indicators of hydric soil and disturbed or problematic. Hydrophytic	I- Rapid Test for H 2- Dominance Test 3-Prevalence Index I-Morphological Ad data in Remarks or 5- Wetland Non-Va Problematic Hydrop nd wetland hydrolog	is >50% is ≤ 3.0¹ aptations¹ (provide on a separate shee scular Plants¹ bhytic Vegetation¹ (E gy must be present,	supporting t) Explain) unless	
6 7 8 Woody Vine Stratu	ı <u>m</u> (plot size:		_)			X 2 4 5 6 6 1 Indicators of hydric soil and isturbed or problematic.	I- Rapid Test for H 2- Dominance Test 3-Prevalence Index I-Morphological Ad data in Remarks or 5- Wetland Non-Va Problematic Hydrop	is >50% is ≤ 3.0¹ aptations¹ (provide on a separate shee scular Plants¹ bhytic Vegetation¹ (E gy must be present,	supporting t) Explain) unless	

rofila Dagge	ription: (Describe to th	na dansh -	needed to docume	nt the indicat	or or conf	irm the above	co of indicators \	
Depth	nption: (Describe to tr Matrix	ne aeptn i	needed to docume	nt tne indicat Redox Fe		irm the absen	ce of indicators.)	
(Inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-4	10YR 2/2	100					Silt Loam	
4-12	10YR 2/2	98	10YR 3/3		С .	М	Silt Loam	Fine
			10111010		<u> </u>		Oilt Louin	
								-
							,	
	· -						•	-
	·							
	· -							·
	ncentration, D=Depletio					Grains.		² Location: PL=Pore Lining, M=Matrix.
lydric Soil	Indicators: (Applic	cable to	all LRRs, unless	s otherwise	noted.)		Indic	cators for Problematic Hydric Soils ³ :
	Histosol (A1)				ndy Redox			2 cm Muck (A10)
	Histic Epipedon (A2)				ipped Matri			Red Parent Material (TF2)
	Black Histic (A3)			Loa	amy Mucky	Mineral (F1) (except MLRA 1)	Very Shallow Dark Surface (TF12)
	Hydrogen Sulfide (A4)	1		Loa	amy Gleyed	d Matrix (F2)		Other (explain in Remarks)
	Depleted Below Dark	Surface (A	A11)	De	pleted Matr	rix (F3)		
	Thick Dark Surface (A	12)		Re	dox Dark S	surface (F6)		3
	Sandy Mucky Mineral	(S1)		De	pleted Dark	Surface (F7)		³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or
	Sandy Gleyed Matrix (S4)		Re	dox Depres	ssions (F8)		problematic.
epth (inche	·s):						Hydric Soil Pre	esent? Yes NoX
Depth (inche							Hydric Soil Pre	esent? Yes NoX
Depth (inche		s:					Hydric Soil Pre	esent? Yes NoX
Depth (inche Remarks: HYDROLO Vetland Hy	DGY /drology Indicators		uired; check all th	nat apply)			Hydric Soil Pre	
Depth (inche Remarks: HYDROLO Vetland Hy	DGY		uired; check all th		ater stained	Leaves (B9) (Hydric Soil Pre	Secondary Indicators (2 or more required) Water stained Leaves (B9)
Depth (inche Remarks: HYDROLO Vetland Hy	OGY /drology Indicators icators (minimum of	one req	uired; check all th	Wa	ater stained 2 , 4A, and			Secondary Indicators (2 or more required)
Depth (inche demarks: HYDROLO Vetland Hy	OGY /drology Indicators icators (minimum of Surface Water (A1)	one req	uired; check all th	Wa		4B)		Secondary Indicators (2 or more required) Water stained Leaves (B9)
Depth (inche demarks: HYDROLO Vetland Hy	OGY /drology Indicators icators (minimum of Surface Water (A1) High Water Table (A2)	one req	uired; check all th	Wa 1, 2 Sa	2, 4A, and It Crust (B1	4B)		Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B)
Pepth (inche emarks: HYDROLO Vetland Hy	OGY /drology Indicators icators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3)	one req	uired; check all th	Wa 1, 2 Sal Aq	2, 4A, and and all the Crust (B1) uatic Invert	4B) 1)	Except MLRA	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)
Depth (inche Remarks: HYDROLO Vetland Hy	OGY //drology Indicators icators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	one req	uired; check all th	Wa 1, 2 Sal Aqı Hye	2, 4A, and	4B) 1) ebrates (B13) fide Odor (C1)	Except MLRA	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (
Depth (inche Remarks: HYDROLO Vetland Hy	OGY /drology Indicators icators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B3)	one req	uired; check all th	Waanaa Aqii Hyu Ox	2, 4A, and all Crust (B1 uatic Invertidrogen Sulfidized Rhiz	4B) 1) ebrates (B13) fide Odor (C1)	Except MLRA g Living Roots (C3)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (
Depth (inche Remarks: HYDROLO Vetland Hy	DGY /drology Indicators icators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B3)	one req	uired; check all th	Wa 1, 2 Sal Aqi Hyu Ox Pre	2, 4A, and all Crust (B1 uatic Invertidation Sulfidized Rhizesence of R	4B) 1) ebrates (B13) fide Odor (C1) ospheres alon Reduced Iron (C	Except MLRA g Living Roots (C3)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Geomorphic Position (D2)
Depth (inche Remarks: HYDROLO Vetland Hy	pogy /drology Indicators icators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4)	one req	uired; check all th	Wa 1, 2 Sal Aq Hyu Ox Pre Re	2, 4A, and all Crust (B1 uatic Invertidrogen Sulfidized Rhizesence of Recent Iron R	4B) 1) ebrates (B13) fide Odor (C1) ospheres alon Reduced Iron (C	Except MLRA g Living Roots (C3) C4) owed Soils (C6)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Geomorphic Position (D2) Shallow Aquitard (D3)
Depth (inche Remarks: HYDROLO Vetland Hy	OGY /drology Indicators icators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5)	one req) 2))		Sal Aqi Hyo Ox Pre Re	2, 4A, and all Crust (B1 uatic Invertidrogen Sulfidized Rhizesence of Recent Iron Runted or Structure (B1)	4B) 1) ebrates (B13) fide Odor (C1) ospheres alon Reduced Iron (C) eduction in Plo	Except MLRA g Living Roots (C3) C4) owed Soils (C6)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5)
Depth (inche Remarks: HYDROLO Vetland Hy	JOGY /drology Indicators icators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (E	one req 2) 36) Aerial Ima	gery (B7)	Sal Aqi Hyo Ox Pre Re	2, 4A, and all Crust (B1 uatic Invertidrogen Sulfidized Rhizesence of Recent Iron Runted or Structure (B1)	4B) 1) ebrates (B13) fide Odor (C1) ospheres alon Reduced Iron (C) eduction in Placessed Plants (Except MLRA g Living Roots (C3) C4) owed Soils (C6)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Pepth (inche demarks: HYDROLO Vetland Hy Primary Ind	DGY Idrology Indicators icators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (E Inundation Visible on A Sparsely Vegetated Ca	one req 2) 36) Aerial Ima	gery (B7)	Sal Aqi Hyo Ox Pre Re	2, 4A, and all Crust (B1 uatic Invertidrogen Sulfidized Rhizesence of Recent Iron Runted or Structure (B1)	4B) 1) ebrates (B13) fide Odor (C1) ospheres alon Reduced Iron (C) eduction in Placessed Plants (Except MLRA g Living Roots (C3) C4) owed Soils (C6)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Pepth (inche Remarks: HYDROLO Vetland Hy Primary Ind	JOGY /drology Indicators icators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (E Inundation Visible on A Sparsely Vegetated Corvations:	one req 2) 36) Aerial Ima	gery (B7)	Sal Aqi Hyo Ox Pre Re	2, 4A, and all treat (B1) uatic Inverted (B2)	4B) 1) ebrates (B13) fide Odor (C1) ospheres alon Reduced Iron (C) eduction in Placessed Plants (Except MLRA g Living Roots (C3) C4) owed Soils (C6)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Primary Ind Field Obse	DGY //drology Indicators icators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (E Inundation Visible on A Sparsely Vegetated Corvations: r Present? Yes	one req 2) 36) Aerial Ima	gery (B7) urface (B8)	Sal Aqı Hyo Ox Pre Stu	2, 4A, and all Crust (B1 uatic Invertidrogen Sulfidized Rhizesence of Recent Iron Runted or Straner (Explair	4B) 1) ebrates (B13) fide Odor (C1) ospheres alon Reduced Iron (C) eduction in Placessed Plants (Except MLRA g Living Roots (C3) C4) owed Soils (C6) D1) (LRR A)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Pepth (inche demarks: HYDROLO Vetland Hy Primary Ind Field Obse	DGY Idrology Indicators icators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (E Inundation Visible on A Sparsely Vegetated Co rvations: In Present? Yes Present? Yes Present? Yes Present? Yes	one req 2) 36) Aerial Ima	gery (B7) urface (B8) No <u>X</u>	Sal Aqu Hyu Ox Pre Re Stu Oth	2, 4A, and all Crust (B1 uatic Invertidrogen Sulfidized Rhizesence of Recent Iron Runted or Strate (Explair ches):	4B) 1) ebrates (B13) fide Odor (C1) ospheres alon Reduced Iron (C eduction in Plo essed Plants (I in in Remarks)	Except MLRA g Living Roots (C3) C4) owed Soils (C6) D1) (LRR A)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Field Obse Surface Water Vater Table Is Saturation Pre	DGY Idrology Indicators icators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (E Inundation Visible on A Sparsely Vegetated Co rvations: In Present? Yes Present? Yes Present? Yes Present? Yes	one req 2) 36) Aerial Ima oncave St	gery (B7) urface (B8) No	Sal Aqı Hyo Ox Pre Re Stu Oth Depth (inc	2, 4A, and all the Crust (B1 uatic Inverted or Sulfidized Rhiz esence of Recent Iron Recen	4B) 1) ebrates (B13) fide Odor (C1) ospheres alon Reduced Iron (Ceduction in Plotessed Plants (In in Remarks) >12 >12 >12	Except MLRA g Living Roots (C3) C4) owed Soils (C6) D1) (LRR A) Wetland Hyd	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
HYDROLO Wetland Hy Primary Ind Field Obse Surface Water Vater Table Is Saturation Pre Includes capilla	DGY /drology Indicators icators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (E Inundation Visible on A Sparsely Vegetated Co rvations: or Present? Yes	one req 2) 36) Aerial Ima oncave St	gery (B7) urface (B8) No	Sal Aqı Hyo Ox Pre Re Stu Oth Depth (inc	2, 4A, and all the Crust (B1 uatic Inverted or Sulfidized Rhiz esence of Recent Iron Recen	4B) 1) ebrates (B13) fide Odor (C1) ospheres alon Reduced Iron (Ceduction in Plotessed Plants (In in Remarks) >12 >12 >12	Except MLRA g Living Roots (C3) C4) owed Soils (C6) D1) (LRR A) Wetland Hyd	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
HYDROLO Wetland Hy Primary Ind Field Obse Surface Water Vater Table Is Saturation Pre Includes capilla	DGY /drology Indicators icators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (E Inundation Visible on A Sparsely Vegetated Co rvations: or Present? Yes	one req 2) 36) Aerial Ima oncave St	gery (B7) urface (B8) No	Sal Aqı Hyo Ox Pre Re Stu Oth Depth (inc	2, 4A, and all the Crust (B1 uatic Inverted or Sulfidized Rhiz esence of Recent Iron Recen	4B) 1) ebrates (B13) fide Odor (C1) ospheres alon Reduced Iron (Ceduction in Plotessed Plants (In in Remarks) >12 >12 >12	Except MLRA g Living Roots (C3) C4) owed Soils (C6) D1) (LRR A) Wetland Hyd	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)

Project/Site:	Sherwood Inc	lustrial	l Park	City/County:	Sherwo	ood/Washington	Sampling Date:	8/25/2	021
Applicant/Owner:	OWRA Sher	wood,	LLC			State:	OR	Sampling Point:	2
Investigator(s):		R/CM		Section, To	wnship, Range:	Section 29I	D, Township 2Sou	th, Range 1Wes	t
Landform (hillslope, te	errace, etc.:)		Swale	•		ncave, convex, none):	Concave	Slope (%):	3
Subregion (LRR):	·	LRR A	A	Lat:	45.364	14 Long:	-122.8281	 Datum:	WGS84
Soil Map Unit Name:				silt loam			ssification:	None	
Are climatic/hydrologic	c conditions on t	he site t			Yes	No		ain in Remarks)	
Are vegetation	Soil		drology	significantly dist		Are "Normal Circumstance	`` ' '	Y	
		_	drology drology	- ,			, , ,	<u> </u>	
Are vegetation	Soil	ог пу	diology	_ naturally problet	nauc? ii needed	, explain any answers in Re	marks.)		
SUMMARY OF I	FINDINGS -	Attac	h site map	showing san	npling point	locations, transects	, important feat	ıres, etc.	
Hydrophytic Vegetatio	on Present? `	Yes _	X No						
Hydric Soil Present?	•	Yes _	X No		Is Sampled Ar a Wetlar		X	No	
Wetland Hydrology Pr	resent?	Yes	X No			·			
Remarks: Pre	rinitation is h	elow n	ormal which	is now comm	on As such	we make sure to evalu	ate a dry-season	water table in a	nas of
	•		•		•	are present. The site is	•		
	•			-	-	e and storm facilities.	-	-	
					receive conti	nual sheet flow from p	ervious upper slo	oes as before.	
VEGETATION -	Use scienti	fic nar	nes of plant	s.		_			
			absolute	Dominant Species?	Indicator	Dominance Test wor	ksheet:		
Tree Stratum_ (plot	size.	١	% cover	Species?	Status	Number of Dominant Spe	ries		
1						That are OBL, FACW, or		6 (A	.)
2						That are OBE, 17(OVV, OF			•)
3						Total Number of Dominan	t		
4						Species Across All Strata:		6 (E	3)
			0	= Total Cover				· · · · · · · · · · · · · · · · · · ·	
Sapling/Shrub Stratun	<u>n</u> (plot size:	30	,			Percent of Dominant Spec	ries		
1 Fraxinus latifo	(_ [/] 30	X	FACW	That are OBL, FACW, or		100% (A	/B)
2 Rubus armeni			10	X	FAC			(/
3						Prevalence Index Wo	orksheet:		
4						Total % Cover of	Multiply by	:	
5						OBL Species	x 1 =	0	
			40	= Total Cover		FACW species	x 2 =	0	
						FAC Species	x 3 =	0	
Herb Stratum (plot)	05	v	F40	FACU Species	x 4 =		
1 Holcus lanatus			<u>25</u> 20	<u> </u>	FAC FAC	UPL Species	x 5 =	0 (B	`
2 Agrostis capil. 3 Juncus patens			20	X	FACW	Column Totals	0 (A)	0 (B	,
4 Carex sp			20	<u>x</u>	(FAC)	Prevalence Index =	B/A = #	DIV/0!	
5 Phalaris aruno	dinacea		15		FACW		<u></u>	<u>-</u>	
						Hydrophytic Vegetati	on Indicators:		
6 Epilobium cilia	atum		10		FACW	priyaropriyao regotati			
		_	10 5		FACW		1- Rapid Test for Hydro	ophytic Vegetation	
6 Epilobium cilia								-	
6 Epilobium cilia 7 Dipsacus fullo				= Total Cover		X	1- Rapid Test for Hydro 2- Dominance Test is 3 3-Prevalence Index is 3	>50% ≤ 3.0 ¹	
6 Epilobium cilia 7 Dipsacus fullo 8	onum		5	= Total Cover		x	1- Rapid Test for Hydro 2- Dominance Test is 3 3-Prevalence Index is 4 4-Morphological Adapt	>50% ≤ 3.0 ¹ ations ¹ (provide sup	porting
6 Epilobium cilia 7 Dipsacus fullo 8 Woody Vine Stratum			5	= Total Cover		x	1- Rapid Test for Hydro 2- Dominance Test is 3 3-Prevalence Index is 3 4-Morphological Adapt data in Remarks or on	>50% ≤ 3.0 ¹ ations ¹ (provide sup a separate sheet)	pporting
6 Epilobium cilia 7 Dipsacus fullo 8 Woody Vine Stratum 1	onum		5	= Total Cover		x	1- Rapid Test for Hydro 2- Dominance Test is 3 3-Prevalence Index is 3 4-Morphological Adapt data in Remarks or on 5- Wetland Non-Vascu	≥50% ≤ 3.0 ¹ ations ¹ (provide sup a separate sheet) llar Plants ¹	
6 Epilobium cilia 7 Dipsacus fullo 8 Woody Vine Stratum	onum					X	1- Rapid Test for Hydro 2- Dominance Test is 3 3-Prevalence Index is 3 4-Morphological Adapt data in Remarks or on 5 5- Wetland Non-Vascu Problematic Hydrophyl	>50% ≤ 3.0 ¹ ations ¹ (provide sup a separate sheet) llar Plants ¹ ic Vegetation ¹ (Exp	lain)
6 Epilobium cilia 7 Dipsacus fullo 8 Woody Vine Stratum 1	onum		5	= Total Cover		x	1- Rapid Test for Hydro 2- Dominance Test is 3 3-Prevalence Index is 3 4-Morphological Adapt data in Remarks or on 5 5- Wetland Non-Vascu Problematic Hydrophyl	>50% ≤ 3.0 ¹ ations ¹ (provide sup a separate sheet) llar Plants ¹ ic Vegetation ¹ (Exp	lain)
6 Epilobium cilia 7 Dipsacus fullo 8 Woody Vine Stratum 1	onum					X	1- Rapid Test for Hydro 2- Dominance Test is 3 3-Prevalence Index is 3 4-Morphological Adapt data in Remarks or on 5 5- Wetland Non-Vascu Problematic Hydrophyl	>50% ≤ 3.0 ¹ ations ¹ (provide sup a separate sheet) llar Plants ¹ ic Vegetation ¹ (Exp	lain)
6 Epilobium cilia 7 Dipsacus fullo 8 Woody Vine Stratum 1	(plot size:					X Indicators of hydric soil and disturbed or problematic.	1- Rapid Test for Hydro 2- Dominance Test is 3 3-Prevalence Index is 3 4-Morphological Adapt data in Remarks or on 5 5- Wetland Non-Vascu Problematic Hydrophyl	>50% ≤ 3.0 ¹ ations ¹ (provide sup a separate sheet) llar Plants ¹ ic Vegetation ¹ (Exp	lain)

SOIL			PHS#	729	6			Sampling Point: 2
rofile Descri	ption: (Describe to t	he depth	needed to docume	ent the indica	ator or con	firm the absence	ce of indicators.)	
Depth	Matrix			Redox I	Features			
(Inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-14	10YR 3/2	87	7.5YR 4/6	10	С	M	Silt	Fine-medium
0-14			7.5YR 4/6	3	PL	M	Silt	Fine-medium
								· · · · · · · · · · · · · · · · · · ·
								· · · · · · · · · · · · · · · · · · ·
Type: C=Cond	centration, D=Depletic	on, RM=R	educed Matrix, CS=	Covered or C	Coated Sand	d Grains.		² Location: PL=Pore Lining, M=Matrix.
lydric Soil	Indicators: (Appli	cable to	all LRRs, unles	s otherwis	e noted.)		Indic	ators for Problematic Hydric Soils ³ :
	Histosol (A1)			S	andy Redox	(S5)		2 cm Muck (A10)
	Histic Epipedon (A2)			S	tripped Mati	rix (S6)		Red Parent Material (TF2)
!	Black Histic (A3)			L	oamy Muck	y Mineral (F1) (e	xcept MLRA 1)	Very Shallow Dark Surface (TF12)
	Hydrogen Sulfide (A4)		Lo	oamy Gleye	d Matrix (F2)		Other (explain in Remarks)
	Depleted Below Dark	Surface (A11)	D	epleted Mat	trix (F3)		
	Thick Dark Surface (A	A12)		X R	edox Dark S	Surface (F6)		3
	Sandy Mucky Mineral	(S1)		D	epleted Dar	k Surface (F7)		³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or
:	Sandy Gleyed Matrix	(S4)		R	edox Depre	ssions (F8)		problematic.
Restrictive I	Layer (if present):							
			lock					
уре:		I.	CON					
ype: Depth (inches Remarks:	:):		14				Hydric Soil Pres	sent? Yes <u>X</u> No
Depth (inches							Hydric Soil Pres	sent? Yes <u>X</u> No
Depth (inches							Hydric Soil Pres	sent? Yes X No
Depth (inches Remarks: HYDROLO Vetland Hyd	GY	s:	14	hat apply)			Hydric Soil Pres	Secondary Indicators (2 or more required)
Pepth (inches Remarks: HYDROLO Vetland Hyd Primary India	GY drology Indicators	s:	14	W		d Leaves (B9) (Secondary Indicators (2 or more required) Water stained Leaves (B9)
Pepth (inches Remarks: HYDROLO Vetland Hyd Primary India	GY drology Indicators cators (minimum o	s:	14	W	/ater staine 2, 4A, and	d Leaves (B9) (Secondary Indicators (2 or more required)
Pepth (inches Remarks: HYDROLO Vetland Hyd Primary India	GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3)	s:	14		2, 4A, and alt Crust (B	d Leaves (B9) (E 4B) 11)		Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) X Drainage Patterns (B10)
Pepth (inches Remarks: HYDROLO Vetland Hyd Primary India	GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	s: f one rec	14		, 2, 4A, and alt Crust (B quatic Inver	d Leaves (B9) (£ 4B) 11) tebrates (B13)		Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) X Drainage Patterns (B10) Dry-Season Water Table (C2)
Pepth (inches	GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B	s: f one rec	14	W 1, S. A. H	, 2, 4A, and alt Crust (B quatic Inver ydrogen Su	d Leaves (B9) (E 4B) 11) tebrates (B13) Ifide Odor (C1)	Except MLRA	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) X Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery
Pepth (inches	GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B Drift Deposits (B3)	s: f one rec	14		, 2, 4A, and alt Crust (B quatic Inver ydrogen Su xidized Rhi	d Leaves (B9) (E 4B) 11) tebrates (B13) Ifide Odor (C1) zospheres along	Except MLRA	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) X Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery X Geomorphic Position (D2)
Pepth (inches Remarks: HYDROLO Vetland Hyd Primary India	GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4	s: f one rec	14		alt Crust (B quatic Inver ydrogen Su xidized Rhiz resence of I	d Leaves (B9) (£ 4B) 11) tebrates (B13) Ifide Odor (C1) zospheres along Reduced Iron (C	Except MLRA g Living Roots (C3)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) X Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery X Geomorphic Position (D2) Shallow Aquitard (D3)
Pepth (inches Remarks: HYDROLO Vetland Hyd Primary India	GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5)	s: f one rec 2)	14		alt Crust (B quatic Inver ydrogen Su xidized Rhiz resence of I ecent Iron F	d Leaves (B9) (F 4B) 11) tebrates (B13) Ifide Odor (C1) zospheres along Reduced Iron (C	Except MLRA g Living Roots (C3) (4) wed Soils (C6)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) X Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery X Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5)
Pepth (inches	GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (I	s: f one rec () (2) (2)	uired; check all th		alt Crust (B quatic Inver ydrogen Su xidized Rhi: resence of I ecent Iron F tunted or St	d Leaves (B9) (E 4B) 11) tebrates (B13) Ifide Odor (C1) zospheres along Reduced Iron (C Reduction in Ploreressed Plants (E	Except MLRA g Living Roots (C3) (4) wed Soils (C6)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) X Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery X Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Pepth (inches Remarks: HYDROLO Vetland Hyd Primary India	GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (I Inundation Visible on	s: f one rec 2) 4) 4) Aerial Ima	guired; check all the		alt Crust (B quatic Inver ydrogen Su xidized Rhi: resence of I ecent Iron F tunted or St	d Leaves (B9) (F 4B) 11) tebrates (B13) Ifide Odor (C1) zospheres along Reduced Iron (C	Except MLRA g Living Roots (C3) (4) wed Soils (C6)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) X Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery X Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5)
Pepth (inches Remarks: HYDROLO Vetland Hyd Primary India	GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (I Inundation Visible on Sparsely Vegetated C	s: f one rec 2) 4) 4) Aerial Ima	guired; check all the		alt Crust (B quatic Inver ydrogen Su xidized Rhi: resence of I ecent Iron F tunted or St	d Leaves (B9) (E 4B) 11) tebrates (B13) Ifide Odor (C1) zospheres along Reduced Iron (C Reduction in Ploreressed Plants (E	Except MLRA g Living Roots (C3) (4) wed Soils (C6)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) X Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery X Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Pepth (inches Remarks: HYDROLO Vetland Hyd Primary India	GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (I Inundation Visible on Sparsely Vegetated Covations:	s: f one rec 2) 4) 4) Aerial Ima	guired; check all the segery (B7) urface (B8)	X O P R S O	alt Crust (B quatic Inver ydrogen Su xidized Rhi: resence of I ecent Iron F tunted or St ther (Explai	d Leaves (B9) (E 4B) 11) tebrates (B13) Ifide Odor (C1) zospheres along Reduced Iron (C Reduction in Ploreressed Plants (E	Except MLRA g Living Roots (C3) (4) wed Soils (C6)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) X Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery X Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Pepth (inches Remarks: HYDROLO Vetland Hyu Primary India	GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (Inundation Visible on Sparsely Vegetated Covations: Present? Yes	s: f one rec 2) 4) 4) Aerial Ima	guired; check all the sign of	M 1, S A H X O P R S O Depth (in	alt Crust (B quatic Inver ydrogen Su xidized Rhi: resence of I ecent Iron F tunted or St ther (Explain thes):	d Leaves (B9) (F 4B) 11) tebrates (B13) Ifide Odor (C1) zospheres along Reduced Iron (C Reduction in Plo ressed Plants (I n in Remarks)	Except MLRA g Living Roots (C3) (4) wed Soils (C6) D1) (LRR A)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) X Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (X Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Pepth (inches Remarks: HYDROLO Vetland Hyd Primary India Field Obserturface Water Vater Table P	GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (I Inundation Visible on Sparsely Vegetated C vations: Present? Yes resent? Yes	s: f one rec 2) 4) 4) Aerial Ima	ngery (B7) urface (B8) No X No X	M 1, S A A B C C C C C C C C C C C C C C C C C	alt Crust (B quatic Inversed programs of the control of the contro	d Leaves (B9) (E 4B) 11) tebrates (B13) Iffide Odor (C1) zospheres along Reduced Iron (C Reduction in Plor ressed Plants (I n in Remarks)	Except MLRA g Living Roots (C3) (4) wed Soils (C6) D1) (LRR A)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) X Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C2) Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Pepth (inches Remarks: HYDROLO Vetland Hyu Primary India	GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (I Inundation Visible on Sparsely Vegetated C vations: Present? Yes resent? Yes sent? Yes	s: f one rec 2) 4) 4) Aerial Ima	guired; check all the sign of	M 1, S A H X O P R S O Depth (in	alt Crust (B quatic Inversed programs of the control of the contro	d Leaves (B9) (F 4B) 11) tebrates (B13) Ifide Odor (C1) zospheres along Reduced Iron (C Reduction in Plo ressed Plants (I n in Remarks)	Except MLRA g Living Roots (C3) (4) wed Soils (C6) D1) (LRR A)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) X Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (X Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
HYDROLO Vetland Hyd Primary India Field Observatoriace Water Table Princludes capillar	GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (I Inundation Visible on Sparsely Vegetated C vations: Present? Yes resent? Yes sent? Yes	s: f one rec	ngery (B7) urface (B8) No X No X No X	M 1, S. A H X O P R S O Depth (in	alt Crust (B quatic Inver ydrogen Su xidized Rhizresence of lecent Iron F tunted or St ther (Explainches):	d Leaves (B9) (E4B) 11) tebrates (B13) Ifide Odor (C1) zospheres along Reduced Iron (CReduction in Ploressed Plants (In in Remarks)	Except MLRA g Living Roots (C3) 64) wed Soils (C6) D1) (LRR A) Wetland Hyd	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) X Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (X Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
HYDROLO Vetland Hyd Primary India Field Observatoriace Water Table Princludes capillar	GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (I Inundation Visible on Sparsely Vegetated C vations: Present? Yes resent? Yes sent? Yes y fringe)	s: f one rec	ngery (B7) urface (B8) No X No X No X	M 1, S. A H X O P R S O Depth (in	alt Crust (B quatic Inver ydrogen Su xidized Rhizresence of lecent Iron F tunted or St ther (Explainches):	d Leaves (B9) (E4B) 11) tebrates (B13) Ifide Odor (C1) zospheres along Reduced Iron (CReduction in Ploressed Plants (In in Remarks)	Except MLRA g Living Roots (C3) 64) wed Soils (C6) D1) (LRR A) Wetland Hyd	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) X Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (X Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
HYDROLO Vetland Hyd Primary India Field Observatoriace Water Table Princludes capillar	GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (I Inundation Visible on Sparsely Vegetated C vations: Present? Yes resent? Yes sent? Yes y fringe)	s: f one rec	ngery (B7) urface (B8) No X No X No X	M 1, S. A H X O P R S O Depth (in	alt Crust (B quatic Inver ydrogen Su xidized Rhizresence of lecent Iron F tunted or St ther (Explainches):	d Leaves (B9) (E4B) 11) tebrates (B13) Ifide Odor (C1) zospheres along Reduced Iron (CReduction in Ploressed Plants (In in Remarks)	Except MLRA g Living Roots (C3) 64) wed Soils (C6) D1) (LRR A) Wetland Hyd	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) X Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (X Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
HYDROLO Vetland Hyd Primary India Field Observatoriace Water Table Princludes capillar	GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (I Inundation Visible on Sparsely Vegetated C vations: Present? Yes resent? Yes sent? Yes y fringe)	s: f one rec	ngery (B7) urface (B8) No X No X No X	M 1, S. A H X O P R S O Depth (in	alt Crust (B quatic Inver ydrogen Su xidized Rhizresence of lecent Iron F tunted or St ther (Explainches):	d Leaves (B9) (E4B) 11) tebrates (B13) Ifide Odor (C1) zospheres along Reduced Iron (CReduction in Ploressed Plants (In in Remarks)	Except MLRA g Living Roots (C3) 64) wed Soils (C6) D1) (LRR A) Wetland Hyd	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) X Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery X Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)

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Project/Site: Sherwood Industr	ial Park	City/County:	Sherwo	ood/Washington	Sampling Date:	8/25/	2021
Applicant/Owner: OWRA Sherwood	d, LLC			State:	OR	Sampling Point:	3
Investigator(s): CM/CF	₹	Section, To	wnship, Range:	Section 29D,	Township 2Sou	th, Range 1We	st
Landform (hillslope, terrace, etc.:)	Swale		Local relief (cor	ncave, convex, none):	Concave	Slope (%):	5
Subregion (LRR):	RA	Lat:	45.363	Long:	-122.8294	Datum:	WGS84
Soil Map Unit Name:	Aloha	silt loam		NWI Class	sification:	None	
Are climatic/hydrologic conditions on the sit	e typical for this tim	e of year?	Yes	No	X (if no, expl	ain in Remarks)	
Are vegetation Soil or	Hydrology	significantly dist	urbed?	Are "Normal Circumstances	s" present? (Y/N)	Y	
Are vegetation Soil or	Hydrology	naturally proble	matic? If needed,	explain any answers in Rem	arks.)		
		_					
SUMMARY OF FINDINGS – Att	ach site map s	showing san	npling point	locations, transects,	important feat	ures, etc.	
Hydrophytic Vegetation Present? Yes	X No		Is Sampled Ar	ea within			
Hydric Soil Present? Yes		X	a Wetlan			No X	
Wetland Hydrology Present? Yes	X No						
•	•		•	we make sure to evaluat	•		
lower topography, or in areas whe BPJ that hydrology is slowly being							
slopes on site are not conducive to							idai apiana
VEGETATION - Use scientific n	ames of plant	s.		,			
	absolute % cover	Dominant Species?	Indicator Status	Dominance Test works	sheet:		
Tree Stratum (plot size:)	Opecies:	Otatus	Number of Dominant Specie	es		
1				That are OBL, FACW, or FA		4	(A)
2					·		•
3				Total Number of Dominant			
4				Species Across All Strata:		4	(B)
	0	= Total Cover					
Sapling/Shrub Stratum (plot size: 30)			Percent of Dominant Specie	es		
1 Rubus armeniacus	40	X	FAC	That are OBL, FACW, or FA	AC:	100%	A/B)
2 Crataegus douglasii	40	<u>X</u>	FAC				
3 Rosa pisocarpa	20	X	FAC	Prevalence Index Worl			
5				Total % Cover of OBL Species	Multiply by	<u>: </u>	
	100	= Total Cover		FACW species	x 2 =		
				FAC Species	x 3 =	0	
Herb Stratum (plot size: 10	_)			FACU Species	x 4 =	0	
1 Phalaris arundinacea	90	X	FACW	UPL Species	x 5 =	0	
2				Column Totals	0 (A)	(В)
3				Prevalence Index =B/	^ - #	DIV/0!	
5				Frevalence index -b//		DIV/U:	
6				Hydrophytic Vegetatio	n Indicators:		
7				1-	Rapid Test for Hydr	ophytic Vegetation	
8				X 2-	Dominance Test is	>50%	
	90	= Total Cover			Prevalence Index is		
Woody Vine Stratum (plot size:	,				Morphological Adapt		
Woody Vine Stratum (plot size: 1	 '				ata in Remarks or on Wetland Non-Vascu		
2					oblematic Hydrophy		plain)
	0	= Total Cover		¹ Indicators of hydric soil and			
				disturbed or problematic.	, J		
% Bare Ground in Herb Stratum	10			Hydrophytic Vegetation	Yes X	No	
				Present?	100 A		
Remarks:							

SOIL			PHS#	729	6			Sampling Point: 3
rofile Descri	ption: (Describe to t	he depth	needed to docume	nt the indica	ator or con	firm the absen	ce of indicators.)	
Depth	Matrix			Redox I	Features			
(Inches)	Color (moist)	%	Color (moist)	<u>%</u>	Type'	Loc ²	Texture	Remarks
0-12	7.5YR 2.5/2	100					Silt Loam	
12-17	7.5YR 2.5/2	98	10YR 4/6	2	С	M	Silt Loam	Fine
17-20	10YR 3/2	95	10YR 4/6		С	M	Silt Loam	Coarse
								· -
Type: C=Cond	centration, D=Depletio	on, RM=Re	educed Matrix, CS=0	Covered or C	Coated Sand	d Grains.		² Location: PL=Pore Lining, M=Matrix.
lydric Soil	Indicators: (Appli	cable to	all LRRs, unless	s otherwis	e noted.)		Indic	cators for Problematic Hydric Soils ³ :
	Histosol (A1)			s	andy Redox	x (S5)		2 cm Muck (A10)
!	Histic Epipedon (A2)			s	tripped Mat	rix (S6)		Red Parent Material (TF2)
	Black Histic (A3)			L	oamy Muck	y Mineral (F1) (except MLRA 1)	Very Shallow Dark Surface (TF12)
	Hydrogen Sulfide (A4))		L	oamy Gleye	ed Matrix (F2)		Other (explain in Remarks)
	Depleted Below Dark	Surface (A	A11)	D	epleted Ma	trix (F3)		
	Thick Dark Surface (A	A12)		R	ledox Dark	Surface (F6)		
	Sandy Mucky Mineral	(S1)		D	epleted Dai	rk Surface (F7)		³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or
(Sandy Gleyed Matrix ((S4)		R	ledox Depre	essions (F8)		problematic.
Restrictive	Layer (if present):							
Гуре:	,							
Depth (inches							Hydric Soil Pre	sent? Yes No X
Remarks:							Injune 3011 FTE	
Remarks:							Injune 3011 File	
Remarks: HYDROLO Wetland Hyd	GY drology Indicators						Injunic Son Fre	
Remarks: HYDROLO Wetland Hyder Primary India	GY drology Indicators cators (minimum of		uired; check all th			d1(P0)/		Secondary Indicators (2 or more required)
HYDROLO Wetland Hyderimary India	drology Indicators cators (minimum of Surface Water (A1)	f one req	uired; check all th	W		d Leaves (B9) (Secondary Indicators (2 or more required) Water stained Leaves (B9)
HYDROLO Wetland Hyo	drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2	f one req	uired; check all th		, 2, 4A, and	I 4B)		Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B)
HYDROLO Wetland Hyd Primary Indic	drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3)	f one req	uired; check all th		, 2, 4A, and alt Crust (B	1 4B) 11)		Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10)
HYDROLO Wetland Hyderimary Indic	drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1)	f one req	uired; check all th		, 2, 4A, and alt Crust (B quatic Inver	14B) 11) rtebrates (B13)		Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)
HYDROLO Wetland Hyderimary India	drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B	f one req	uired; check all th	W 1, S A H	, 2, 4A , and alt Crust (B quatic Inver lydrogen Su	14B) 11) rtebrates (B13) ulfide Odor (C1)	Except MLRA	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery
HYDROLO Wetland Hyo	drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B Drift Deposits (B3)	f one req	uired; check all th		, 2, 4A , and alt Crust (B quatic Inver lydrogen Su oxidized Rhi	14B) 11) rtebrates (B13) ulfide Odor (C1) zospheres along	Except MLRA g Living Roots (C3)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery X Geomorphic Position (D2)
HYDROLO Wetland Hyd Primary India	cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B Drift Deposits (B3)	f one req	uired; check all th	M 1,	, 2, 4A, and alt Crust (B quatic Inver lydrogen Su bxidized Rhi.	14B) 11) rtebrates (B13) Ilfide Odor (C1) zospheres along Reduced Iron (C	Except MLRA g Living Roots (C3) C4)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery X Geomorphic Position (D2) Shallow Aquitard (D3)
HYDROLO Wetland Hyderimary India	drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5)	f one req	uired; check all th	M 1, S A A H O P R	, 2, 4A, and alt Crust (B quatic Inver lydrogen Su oxidized Rhi. resence of lecent Iron F	14B) 11) rtebrates (B13) Ilfide Odor (C1) zospheres along Reduced Iron (C	Except MLRA g Living Roots (C3) C4) owed Soils (C6)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery X Geomorphic Position (D2)
HYDROLO Wetland Hyderimary India	drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (I	f one req (2) (32) (4) (86)		M 1, S A H O P R S	alt Crust (B quatic Inver lydrogen Su dividized Rhi. resence of decent Iron F	14B) 11) rtebrates (B13) ulfide Odor (C1) zospheres along Reduced Iron (C	Except MLRA g Living Roots (C3) C4) owed Soils (C6)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery X Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5)
HYDROLO Wetland Hydelerimary India	drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5)	f one req (2) (2) (4) (4) (5) (6) (6) (7) (7) (7) (8) (8) (9) (9) (9) (9) (9) (9) (9) (9) (9) (9	gery (B7)	M 1, S A H O P R S	alt Crust (B quatic Inver lydrogen Su dividized Rhi. resence of decent Iron F	14B) 11) rtebrates (B13) ulfide Odor (C1) zospheres along Reduced Iron (C Reduction in Plot tressed Plants (Except MLRA g Living Roots (C3) C4) owed Soils (C6)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery X Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
HYDROLO Wetland Hyde	drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (I Inundation Visible on	f one req (2) (2) (4) (4) (5) (6) (6) (7) (7) (7) (8) (8) (9) (9) (9) (9) (9) (9) (9) (9) (9) (9	gery (B7)	M 1, S A H O P R S	alt Crust (B quatic Inver lydrogen Su dividized Rhi. resence of decent Iron F	14B) 11) rtebrates (B13) ulfide Odor (C1) zospheres along Reduced Iron (C Reduction in Plot tressed Plants (Except MLRA g Living Roots (C3) C4) owed Soils (C6)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery X Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
HYDROLO Wetland Hyd Primary India	drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (I Inundation Visible on Sparsely Vegetated C	f one req (2) (2) (4) (4) (5) (6) (6) (7) (7) (7) (8) (8) (9) (9) (9) (9) (9) (9) (9) (9) (9) (9	gery (B7) urface (B8)	M, 1, S A A H O P R S O O	alt Crust (B quatic Inver lydrogen Su dividized Rhi. dresence of lecent Iron F dutunted or St other (Explain	14B) 11) rtebrates (B13) ulfide Odor (C1) zospheres along Reduced Iron (C Reduction in Plot tressed Plants (Except MLRA g Living Roots (C3) C4) owed Soils (C6)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery X Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
HYDROLO Wetland Hyd Primary India	drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (I Inundation Visible on Sparsely Vegetated C vations: Present? Yes	f one req (2) (2) (4) (4) (5) (6) (6) (7) (7) (7) (8) (8) (9) (9) (9) (9) (9) (9) (9) (9) (9) (9	gery (B7) urface (B8) No <u>X</u>	M 1, S A A H O O P R S O O Depth (iii	alt Crust (B quatic Invertydrogen Su dydrogen Su dydd dydrogen Su dydrogen Su dydrogen Su dydrogen Su dydrogen Su	14B) 11) rtebrates (B13) Ilfide Odor (C1) zospheres along Reduced Iron (C Reduction in Plot tressed Plants (in in Remarks)	g Living Roots (C3) C4) owed Soils (C6) D1) (LRR A)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery X Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
HYDROLO Wetland Hyd Primary India	drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (I Inundation Visible on Sparsely Vegetated C vations: Present? Yes	f one req (2) (2) (4) (4) (5) (6) (6) (7) (7) (7) (8) (8) (9) (9) (9) (9) (9) (9) (9) (9) (9) (9	gery (B7) urface (B8) No X	M 1, S A H OO P R S O Depth (in	alt Crust (Budatic Inversity of Sundatic Inv	14B) 11) rtebrates (B13) ulfide Odor (C1) zospheres along Reduced Iron (C Reduction in Plot tressed Plants (in in Remarks)	g Living Roots (C3) C4) owed Soils (C6) D1) (LRR A)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery X Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
HYDROLO Wetland Hyd Primary India	drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (I Inundation Visible on Sparsely Vegetated C vations: Present? Yes resent? Yes sent? Yes	f one req (2) (2) (4) (4) (5) (6) (6) (7) (7) (7) (8) (8) (9) (9) (9) (9) (9) (9) (9) (9) (9) (9	gery (B7) urface (B8) No <u>X</u>	M 1, S A A H O O P R S O O Depth (iii	alt Crust (Budatic Inversity of Sundatic Inv	14B) 11) rtebrates (B13) Ilfide Odor (C1) zospheres along Reduced Iron (C Reduction in Plot tressed Plants (in in Remarks)	g Living Roots (C3) C4) owed Soils (C6) D1) (LRR A)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery X Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Field Obser Surface Water Vater Table P Saturation Presincludes capillar	drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (I Inundation Visible on Sparsely Vegetated C vations: Present? Yes resent? Yes sent? Yes	f one req	gery (B7) urface (B8) No	My 1, S A A H OO P P R S OO Depth (ii Depth (i	alt Crust (Buguatic Inversity of the cent Iron Futunted or Stother (Explainments): nches): nches):	14B) 11) rtebrates (B13) ilfide Odor (C1) zospheres along Reduced Iron (C Reduction in Plot tressed Plants (in in Remarks)	Except MLRA g Living Roots (C3) (C4) owed Soils (C6) D1) (LRR A) Wetland Hyd	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery X Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Field Obser Surface Water Vater Table P Saturation Presincludes capillar	cators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (I Inundation Visible on Sparsely Vegetated Covations: Present? Yes Iresent? Yes Sent? Yes Syrfinge)	f one req	gery (B7) urface (B8) No	My 1, S A A H OO P P R S OO Depth (ii Depth (i	alt Crust (Buguatic Inversity of the cent Iron Futunted or Stother (Explainments): nches): nches):	14B) 11) rtebrates (B13) ilfide Odor (C1) zospheres along Reduced Iron (C Reduction in Plot tressed Plants (in in Remarks)	Except MLRA g Living Roots (C3) (C4) owed Soils (C6) D1) (LRR A) Wetland Hyd	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery X Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Field Obser Surface Water Vater Table P Saturation Presincludes capillar	cators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (I Inundation Visible on Sparsely Vegetated Covations: Present? Yes Iresent? Yes Sent? Yes Syrfinge)	f one req	gery (B7) urface (B8) No	My 1, S A A H OO P P R S OO Depth (ii Depth (i	alt Crust (Buguatic Inversity of the cent Iron Futunted or Stother (Explainments): nches): nches):	14B) 11) rtebrates (B13) ilfide Odor (C1) zospheres along Reduced Iron (C Reduction in Plot tressed Plants (in in Remarks)	Except MLRA g Living Roots (C3) (C4) owed Soils (C6) D1) (LRR A) Wetland Hyd	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery X Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Field Obser Surface Water Vater Table P Saturation Presincludes capillar	cators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (I Inundation Visible on Sparsely Vegetated Covations: Present? Yes Iresent? Yes Sent? Yes Syrfinge)	f one req	gery (B7) urface (B8) No	My 1, S A A H OO P P R S OO Depth (ii Depth (i	alt Crust (Buguatic Inversity of the cent Iron Futunted or Stother (Explainments): nches): nches):	14B) 11) rtebrates (B13) ilfide Odor (C1) zospheres along Reduced Iron (C Reduction in Plot tressed Plants (in in Remarks)	Except MLRA g Living Roots (C3) (C4) owed Soils (C6) D1) (LRR A) Wetland Hyd	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery X Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)

	HS	#			
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Project/Site:	Sherwood Ir	ndustrial	Park	City/County:	Sherwo	ood/Washington	Sampling Date:	8/25/2	2021
Applicant/Owner:	OWRA She	rwood, l	LC			State:	OR	Sampling Point:	4
Investigator(s):		CM/CR		Section, To	wnship, Range:	Section 29D	, Township 2Sou	uth, Range 1Wes	st
Landform (hillslope,	, terrace, etc.:)		Ditch	<u>-</u>	Local relief (cor	ncave, convex, none):	None	Slope (%):	10
Subregion (LRR):		LRR A	1	Lat:	45.365	51 Long:	-122.8283	Datum:	WGS84
Soil Map Unit Name	e:		Aloha	silt loam		NWI Clas	sification:	None	
Are climatic/hydrolo	ogic conditions or	n the site ty	pical for this tim	e of year?	Yes	No	X (if no, exp	lain in Remarks)	
Are vegetation	Soil	or Hyd	drology	significantly dist	urbed?	Are "Normal Circumstance	es" present? (Y/N)	Y	
Are vegetation	Soil	or Hyd	drology	naturally proble	matic? If needed	, explain any answers in Ren	narks.)		
		_		•					
SUMMARY OF	FINDINGS	Attac	h site map s	showing san	npling point	locations, transects,	important feat	ures, etc.	
Hydrophytic Vegeta	tion Present?	Yes _	X No		Is Sampled Ar	ea within			
Hydric Soil Present	?	Yes	No.	X	a Wetlar			No X	
Wetland Hydrology	Present?	Yes	No	X					
lower topograp BPJ that hydrol	ohy, or in area ogy is slowly	s where being di	hydrophytic v	vegetation and gh stormwate	d hydric soils infrastructur	we make sure to evalua are present. The site is a and storm facilities. T nual sheet flow from pe	surrounded by in the geomorphic	new developmer position of grad	nt. It is our
VEGETATION									
			absolute	Dominant	Indicator	Dominance Test work	sheet:		
Tree Stratum (plo	ot oizo:	30)	% cover	Species?	Status	Number of Deminerat Co.			
1 Populus bals		,	30	X	FAC	Number of Dominant Spec That are OBL, FACW, or F		5 (/	A)
2	Sammera				TAC	That are OBL, I ACW, OF I		(/	¬)
3						Total Number of Dominant			
4						Species Across All Strata:		7 (i	В)
			30	= Total Cover				·	
Sapling/Shrub Strat	tum (plot size	30)			Percent of Dominant Speci	es		
1 Rubus arme			-′ 80	X	FAC	That are OBL, FACW, or I		71% (/	A/B)
2 Populus bals	samifera		20		FAC			`	,
3 Cytisus scop	parius		20		(UPL)	Prevalence Index Wo	rksheet:		
4						Total % Cover of	Multiply by	y:	
5						OBL Species	x 1 =	0	
			120	= Total Cover		FACW species	x 2 =	0	
Herb Stratum (plo	ot size:	10)				FAC Species FACU Species	x 3 = x 4 =	0	
1 <i>Phalaris arui</i>		,	10	Х	FACW	UPL Species	x5=	0	
2 Dactylis glor			10	X	FACU	Column Totals	0 (A)	0 (E	3)
3 Equisetum a	arvense		10	X	FAC	_			•
4 Cirsium arve	ense		10	Х	FAC	Prevalence Index =B	/A =	#DIV/0!	
5									
6						Hydrophytic Vegetation	on Indicators:		
7							- Rapid Test for Hyd		
							- Dominance Test is		
8			40	= Total Cover		l —	-Prevalence Index is -Morphological Adap		pportina
8								(piovido 3u	
8Woody Vine Stratur	m (plot size:)				ata in Remarks or or	n a separate sheet)	
	_		_) 30	x	FACU	d	ata in Remarks or or - Wetland Non-Vasc		
Woody Vine Stratur	_)	x	FACU	d		ular Plants ¹	olain)
Woody Vine Stratur	_)	X = Total Cover	FACU	d	- Wetland Non-Vasc roblematic Hydrophy	ular Plants ¹ /tic Vegetation ¹ (Exp	•
Woody Vine Stratur	_		30		FACU	d 5 F Indicators of hydric soil an disturbed or problematic.	- Wetland Non-Vasc roblematic Hydrophy	ular Plants ¹ /tic Vegetation ¹ (Exp	•
Woody Vine Stratur	us		30		FACU	d 5 P ¹ Indicators of hydric soil an	- Wetland Non-Vasc roblematic Hydrophy	ular Plants ¹ /tic Vegetation ¹ (Exp	•

Profile Descrip Depth (Inches)			PHS#	7296			Sampling Point: 4
•	ption: (Describe to t	the depth	needed to docume			sence of indicators.)	
(Inches)	Matrix			Redox Fe			
	Color (moist)	<u></u> %	Color (moist)	<u></u> %	Type ¹ Loc ²	Texture	Remarks
0-9	7.5YR 2.5/2	100				Silt Loam	<u> </u>
9-11	7.5YR 2.5/2	98	7.5YR 3/4	2	С М	Silt Loam	Fine
11-16	7.5YR 2.5/2	90	7.5YR 3/4	10	С М	Silt Loam	Fine
							· -
					-	_	·
**	centration, D=Depletion	-				India	² Location: PL=Pore Lining, M=Matrix. cators for Problematic Hydric Soils ³ :
-		icable to	all LNNs, ullies			mun	•
	Histosol (A1)				ndy Redox (S5)		2 cm Muck (A10)
ŀ	Histic Epipedon (A2)				pped Matrix (S6)		Red Parent Material (TF2)
F	Black Histic (A3)			Loa	amy Mucky Mineral (I	1) (except MLRA 1)	Very Shallow Dark Surface (TF12)
H	Hydrogen Sulfide (A4	-)		Loa	amy Gleyed Matrix (F	2)	Other (explain in Remarks)
	Depleted Below Dark	Surface (A11)	Dep	oleted Matrix (F3)		
	Thick Dark Surface (A	A12)		Red	dox Dark Surface (F6)	
	Sandy Mucky Mineral	I (S1)			oleted Dark Surface	F7)	³ Indicators of hydrophytic vegetation and wetland
	Sandy Gleyed Matrix				dox Depressions (F8	•	hydrology must be present, unless disturbed or problematic.
Restrictive L	_ayer (if present):						
Гуре:							
Depth (inches	·					Hydric Soil Pre	esent? Yes No X
Remarks:							
HYDROLO							
Wetland Hyd	drology Indicator						
	urology mulcators	s:					
Primary Indic	cators (minimum o		juired; check all th	hat apply)			Secondary Indicators (2 or more required)
-			_l uired; check all th		ter stained Leaves (l	39) (Except MLRA	Secondary Indicators (2 or more required) Water stained Leaves (B9)
	cators (minimum o	f one req	juired; check all th	Wa	nter stained Leaves (i	39) (Except MLRA	
	cators (minimum o Surface Water (A1) High Water Table (A2	f one req	juired; check all tl	Wa	2, 4A, and 4B)	39) (Except MLRA	Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B)
\$ H	cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3)	f one req	juired; check all th	Wa 1, 2	2, 4A , and 4B) t Crust (B11)		Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10)
\$ F \$	cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1)	one req	juired; check all th	Wa 1, 2 Sali Aqu	t Crust (B11) uatic Invertebrates (E	13)	Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)
\$ 	cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B	one req	juired; check all tl	Wa 1, 2 Sali Aqu Hyd	2, 4A, and 4B) t Crust (B11) uatic Invertebrates (Edrogen Sulfide Odor	13) C1)	Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery
\$ 	cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B Drift Deposits (B3)	f one req	juired; check all th	Wa 1, 2 Sall Aqu Hyc	2, 4A, and 4B) t Crust (B11) uatic Invertebrates (Edrogen Sulfide Odor dized Rhizospheres	13) C1) along Living Roots (C3)	Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery Geomorphic Position (D2)
\$ 6 9 9	cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B Drift Deposits (B3)	f one req	juired; check all th	Wa 1, 2 Sali Aqu Hyc Oxi	2, 4A, and 4B) t Crust (B11) uatic Invertebrates (Edrogen Sulfide Odor dized Rhizospheres esence of Reduced In	13) C1) along Living Roots (C3) on (C4)	Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery Geomorphic Position (D2) Shallow Aquitard (D3)
\$ 	cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Drift Deposits (B3) Algal Mat or Crust (B4	f one req 2) 32) 4)	uired; check all tl	Wa 1, 2 Sall Aqu Hyc Oxi Pre	2, 4A, and 4B) t Crust (B11) uatic Invertebrates (Edrogen Sulfide Odor dized Rhizospheres asence of Reduced Incent Iron Reduction i	13) C1) along Living Roots (C3) on (C4) n Plowed Soils (C6)	Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5)
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	cators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (Inundation Visible on Sparsely Vegetated C	of one requestion (2) 32) 4) B6) Aerial Ima	ngery (B7)	Wa 1, 2 Salt Aqu Hyc Oxi Pre Rec Stu	t Crust (B11) uatic Invertebrates (Edrogen Sulfide Odordized Rhizospheres sence of Reduced Incent Iron Reduction inted or Stressed Pla	13) C1) along Living Roots (C3) on (C4) n Plowed Soils (C6) nts (D1) (LRR A)	Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
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Field Observ Surface Water Water Table Pr Saturation Pres	cators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (Inundation Visible on Sparsely Vegetated Covations: Present? Yes resent? Yes sent? Yes y fringe)	one requestion (2) 32) 4) B6) Aerial Ima	ngery (B7) urface (B8) No X No X No X	Ma 1, 2 Salt Aqu Hyc Oxi Pre Rec Stu Oth Depth (inc	t Crust (B11) uatic Invertebrates (Edrogen Sulfide Odor dized Rhizospheres esence of Reduced Invertebrate (Parent Iron Reduction inted or Stressed Plater (Explain in Remaindent): ches): >16 >16	13) C1) along Living Roots (C3) on (C4) n Plowed Soils (C6) nts (D1) (LRR A) ks) Wetland Hy	Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)

4S	#	7	,
13	#	,	

Project/Site:	Sherwood In	ndustrial F	Park	City/County:	Sherw	ood/Washington	Sampling Date:	8/26/2	2021
Applicant/Owner:	OWRA She	rwood, L	LC			State:	OR	Sampling Point:	5
nvestigator(s):		CR/CM		Section, To	wnship, Range:	Section 29D	, Township 2So	_	
Landform (hillslope	e, terrace, etc.:)		Terrace	-	Local relief (co	ncave, convex, none):	Concave	Slope (%):	3
Subregion (LRR):		LRR A		Lat:	45.36	52 Long:	-122.8282	 Datum:	WGS84
Soil Map Unit Nam	ne:		Wapato si	ilty clay loam		NWI Clas	sification:	None	
Are climatic/hydrolo		the site typ	oical for this time	e of year?	Yes	No	X (if no, exp	lain in Remarks)	
Are vegetation	Soil			significantly dist	urbed?	Are "Normal Circumstance		Y	
Are vegetation	Soil	_		• • •		I, explain any answers in Ren			
				- naturally problem	nado. Il noodod	, explain any anowere in reci	indirec.)		
SUMMARY O	F FINDINGS -	- Attach	site map s	showing san	npling point	locations, transects,	important feat	ures, etc.	
Hydrophytic Vegeta	ation Present?	Yes	X No		l				
Hydric Soil Present	t?	Yes	X No		Is Sampled Ar		X	No	
Wetland Hydrology	/ Present?	Yes	X No			_			
Remarks: P i	recinitation is	helow no	rmal which	is now comm	on As such	we make sure to evalua	oto a dry-soason	water table in a	ross of
	-					are present. The site is	-		
BPJ that hydrol	logy is slowly	being div	erted throug	jh stormwatei	· infrastructur	e and storm facilities. T	he geomorphic	position of grad	
					receive conti	nual sheet flow from pe	ervious upper slo	pes as before.	
VEGETATION	I - Use scient	tific nam			Indicator	Dominanas Tast ward	rahaati		
			absolute % cover	Dominant Species?	Indicator Status	Dominance Test work	.S.1661.		
<u>Γree Stratum</u> (pl	lot size:	30)				Number of Dominant Spec	ies		
1 Salix lasiand	dra		10	X	FACW	That are OBL, FACW, or F	AC:	6 (/	A)
2 Fraxinus lat	tifolia		30	Х	FACW			_	
3						Total Number of Dominant			
4						Species Across All Strata:		6 (l	В)
			40	= Total Cover					
Sapling/Shrub Stra	atum (plot size:	30)			Percent of Dominant Speci	ies		
1 Rubus arme	eniacus		35	X	FAC	That are OBL, FACW, or I	FAC:	100% (/	A/B)
2 Mahonia aq	uifolium		5		FACU				
3						Prevalence Index Wo	rksheet:		
4						Total % Cover of	Multiply b	y:	
5						OBL Species	x 1 =	0	
		-	40	= Total Cover		FACW species	x 2 =	0	
1 Ctt (p)	lot size: 1	10)				FAC Species	x 3 =	0	
<u>lerb Stratum</u> (pl 1 Phalaris aru		,	35	X	FACW	FACU Species UPL Species	x 4 = x 5 =	0	
2 Alopecurus			20	<u> </u>	(FAC)	Column Totals	0 (A)	0 (E	3)
3 Holcus lana		<u> </u>	20	<u> </u>	FAC			(L	-,
4 Carex sp			10		(UPL)	Prevalence Index =B	/A = 3	#DIV/0!	
5 Dipsacus fu	ıllonum		5		FAC	1			
6 Juncus effu			5		FACW	Hydrophytic Vegetation	on Indicators:		
7 Juncus pate	ens		5		FACW		- Rapid Test for Hyd	rophytic Vegetation	
8						X 2	- Dominance Test is	>50%	
			100	= Total Cover			-Prevalence Index is		
						<u> </u>	-Morphological Adap		pporting
)				ata in Remarks or or		
	ım (plot size:					5	- Wetland Non-Vasc		
1	ı <u>m</u> (plot size:					_	marketana (C. 17, 17, 17)		
	<u>ım</u> (plot size:						roblematic Hydrophy		
	ı <u>m</u> (plot size:		0	= Total Cover		¹ Indicators of hydric soil an			
1	ı <u>m</u> (plot size:	 	0	= Total Cover					•
1		0		= Total Cover		¹ Indicators of hydric soil an disturbed or problematic.			

	iption: (Describe to the	he depth i	needed to docur			firm the absen	ce of indicators.)	
Depth (Inches)	Matrix Color (moist)	%	Color (moist)	Redo %	Type ¹	Loc ²	Texture	Remarks
0-13	10YR 3/2	95	7.5YR 3/4		C	M	Silt Loam	Fine-Medium
0-13	1011372	95	7.51K 3/4			IVI	Siit Loaiii	rine-wedium
	· ·			_				
			-	_				
	· ·							
	. <u> </u>							
				_			,	
	. <u> </u>							
				_				
Type: C=Con	centration, D=Depletio	n, RM=Re	duced Matrix, CS	S=Covered o	r Coated San	d Grains.		² Location: PL=Pore Lining, M=Matrix.
lydric Soil	Indicators: (Applie	cable to	all LRRs, unle	ss otherv	ise noted.))	Indic	cators for Problematic Hydric Soils ³ :
	Histosol (A1)				Sandy Redo	x (S5)		2 cm Muck (A10)
	Histic Epipedon (A2)				Stripped Mat	trix (S6)		Red Parent Material (TF2)
	Black Histic (A3)				-	xy Mineral (F1) (except MLRA 1)	Very Shallow Dark Surface (TF12)
	Hydrogen Sulfide (A4)	١			-	ed Matrix (F2)	,	Other (explain in Remarks)
	Depleted Below Dark		.11)	-	Depleted Ma			Curer (explain in Nemarks)
	•	•	X11 <i>)</i>		•			
	Thick Dark Surface (A	•		<u> </u>	Redox Dark	, ,		³ Indicators of hydrophytic vegetation and wetland
	Sandy Mucky Mineral				•	rk Surface (F7)		hydrology must be present, unless disturbed or
	Sandy Gleyed Matrix ((S4)			Redox Depre	essions (F8)		problematic.
epth (inche	s):				- 		Hydric Soil Pre	sent? Yes X No
Depth (inche					<u>-</u>		Hydric Soil Pre	sent? Yes <u>X</u> No
Depth (inche	OGY	S:			-		Hydric Soil Pre	sent? Yes X No
Depth (inche Remarks: HYDROLC	DGY rdrology Indicators		iired: check al	that anniv			Hydric Soil Pre	
Depth (inche Remarks: HYDROLC	OGY rdrology Indicators cators (minimum of		uired; check al	that apply		ed Leaves (B9) (Secondary Indicators (2 or more required)
Depth (inche Remarks: HYDROLC Vetland Hy	OGY rdrology Indicators cators (minimum of Surface Water (A1)	one req	uired; check al	that apply		ed Leaves (B9) (
Depth (inche Remarks: HYDROLO Vetland Hy	OGY rdrology Indicators cators (minimum of Surface Water (A1) High Water Table (A2	one req	uired; check al	that apply	Water staine	d 4B)		Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B)
Depth (inche Remarks: HYDROLO Vetland Hy	ogy rdrology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3)	one req	uired; check al	that apply	Water staine 1, 2, 4A, and Salt Crust (B	d 4B) 311)		Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10)
Depth (inche Remarks: HYDROLO Vetland Hy	ogy rdrology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1)	one req	uired; check al	that apply	Water staine 1, 2, 4A, and Salt Crust (B Aquatic Inve	d 4B) B11) rtebrates (B13)	Except MLRA	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)
Depth (inche Remarks: HYDROLO Vetland Hy	ody rdrology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B	one req	uired; check al	that apply	Water staine 1, 2, 4A, and Salt Crust (B Aquatic Inve	d 4B) 311) rtebrates (B13) ulfide Odor (C1)	Except MLRA	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery
Depth (inche Remarks: HYDROLC Vetland Hy	Cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B Drift Deposits (B3)	one req	uired; check al	that apply	Water staine 1, 2, 4A, and Salt Crust (B Aquatic Inve Hydrogen Su Oxidized Rhi	d 4B) rtebrates (B13) ulfide Odor (C1) izospheres along	Except MLRA g Living Roots (C3)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery X Geomorphic Position (D2)
Depth (inche Remarks: HYDROLC Vetland Hy	cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B Drift Deposits (B3) Algal Mat or Crust (B4	one req	uired; check al	that apply	Water staine 1, 2, 4A, and Salt Crust (B Aquatic Inve Hydrogen St Oxidized Rhi Presence of	at 4B) statt) rtebrates (B13) ulfide Odor (C1) izospheres alone Reduced Iron (C	Except MLRA g Living Roots (C3) C4)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery X Geomorphic Position (D2) Shallow Aquitard (D3)
Depth (inche Remarks: HYDROLC Vetland Hy	cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B Drift Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5)	one req	uired; check al	that apply	Water staine 1, 2, 4A, and Salt Crust (B Aquatic Inve Hydrogen Su Oxidized Rhi Presence of Recent Iron	d 4B) In the state (B13) In the state (B13)	Except MLRA g Living Roots (C3) C4) owed Soils (C6)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery X Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5)
Depth (inche Remarks: HYDROLO Wetland Hy	Cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B Drift Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (E	one req) 2)		that apply	Water staine 1, 2, 4A, and Salt Crust (B Aquatic Inve Hydrogen St Oxidized Rhi Presence of Recent Iron I Stunted or S	d 4B) st11) rtebrates (B13) ulfide Odor (C1) izospheres alone Reduced Iron (C Reduction in Plateressed Plants (Except MLRA g Living Roots (C3) C4) owed Soils (C6)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery X Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Depth (inche Remarks: HYDROLO Wetland Hy	cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B Drift Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5)	one req) 2) 36) Aerial Ima	gery (B7)	that apply	Water staine 1, 2, 4A, and Salt Crust (B Aquatic Inve Hydrogen St Oxidized Rhi Presence of Recent Iron I Stunted or S	d 4B) In the state (B13) In the state (B13)	Except MLRA g Living Roots (C3) C4) owed Soils (C6)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery X Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Depth (inche Remarks: HYDROLC Wetland Hy Primary Indi	cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (B1) Inundation Visible on A	one req) 2) 36) Aerial Ima	gery (B7)	that apply	Water staine 1, 2, 4A, and Salt Crust (B Aquatic Inve Hydrogen St Oxidized Rhi Presence of Recent Iron I Stunted or S	d 4B) st11) rtebrates (B13) ulfide Odor (C1) izospheres alone Reduced Iron (C Reduction in Plateressed Plants (Except MLRA g Living Roots (C3) C4) owed Soils (C6)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (X) Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Pepth (inche Remarks: HYDROLC Vetland Hy Primary Indi	cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (E3) Inundation Visible on A Sparsely Vegetated C	one req) 2) 36) Aerial Ima	gery (B7) ırface (B8)		Water staine 1, 2, 4A, and Salt Crust (B Aquatic Inve Hydrogen St Oxidized Rhi Presence of Recent Iron I Stunted or S Other (Explain	d 4B) rtebrates (B13) ulfide Odor (C1) izospheres alone Reduced Iron (C Reduction in Plateressed Plants (Except MLRA g Living Roots (C3) C4) owed Soils (C6)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (X) Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Depth (inche Remarks: HYDROLC Wetland Hy Primary Indi Field Obset	cators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (E1) Inundation Visible on A Sparsely Vegetated C rvations: r Present? Yes	one req) 2) 36) Aerial Ima	gery (B7) ırface (B8) No <u>X</u>	Depth	Water stained 1, 2, 4A, and Salt Crust (B Aquatic Inve Hydrogen Su Oxidized Rhi Presence of Recent Iron I Stunted or S Other (Explain	ti 4B) rtebrates (B13) ulfide Odor (C1) izospheres along Reduced Iron (C Reduction in Plottressed Plants (in in Remarks)	Except MLRA g Living Roots (C3) C4) owed Soils (C6) D1) (LRR A)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (X Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) X Frost-Heave Hummocks (D7)
Depth (inche Remarks: HYDROLC Wetland Hy Primary Indi	cators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B1) Inundation Visible on A Sparsely Vegetated C rvations: r Present? Yes Present? Yes	one req) 2) 36) Aerial Ima	gery (B7) urface (B8) No X	Depth_	Water staine 1, 2, 4A, and Salt Crust (B Aquatic Inve Hydrogen St Oxidized Rhi Presence of Recent Iron I Stunted or S Other (Expla	d 4B) st11) rtebrates (B13) ulfide Odor (C1) izospheres alone Reduced Iron (C Reduction in Plot tressed Plants (in in Remarks)	Except MLRA g Living Roots (C3) C4) owed Soils (C6) D1) (LRR A)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C2) Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) X Frost-Heave Hummocks (D7)
_	cators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (E) Inundation Visible on A Sparsely Vegetated C rvations: r Present? Yes esent? Yes	one req) 2) 36) Aerial Ima	gery (B7) ırface (B8) No <u>X</u>	Depth_	Water stained 1, 2, 4A, and Salt Crust (B Aquatic Inve Hydrogen Su Oxidized Rhi Presence of Recent Iron I Stunted or S Other (Explain	ti 4B) rtebrates (B13) ulfide Odor (C1) izospheres along Reduced Iron (C Reduction in Plottressed Plants (in in Remarks)	Except MLRA g Living Roots (C3) C4) owed Soils (C6) D1) (LRR A)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery X Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) X Frost-Heave Hummocks (D7)
Primary Indi Field Obsel Surface Wate Water Table F Saturation Pre includes capilla	cators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (E) Inundation Visible on A Sparsely Vegetated C rvations: r Present? Yes esent? Yes	cone required ()	gery (B7) Irface (B8) No	Depth Depth	Water staine 1, 2, 4A, and Salt Crust (B Aquatic Inve Hydrogen St Oxidized Rhi Presence of Recent Iron I Stunted or S Other (Explain in (inches): in (inches): in (inches):	at 4B) states (B13) ulfide Odor (C1) sizospheres along Reduced Iron (C Reduction in Plottressed Plants (sin in Remarks) >13 >13	Except MLRA g Living Roots (C3) C4) owed Soils (C6) D1) (LRR A) Wetland Hyd	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (X Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) X Frost-Heave Hummocks (D7)
Primary Indi Field Obsel Surface Wate Water Table F Saturation Pre includes capilla	Cators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (E1) Inundation Visible on A Sparsely Vegetated C rvations: r Present? Yes	cone required ()	gery (B7) Irface (B8) No	Depth Depth	Water staine 1, 2, 4A, and Salt Crust (B Aquatic Inve Hydrogen St Oxidized Rhi Presence of Recent Iron I Stunted or S Other (Explain in (inches): in (inches): in (inches):	at 4B) states (B13) ulfide Odor (C1) sizospheres along Reduced Iron (C Reduction in Plottressed Plants (sin in Remarks) >13 >13	Except MLRA g Living Roots (C3) C4) owed Soils (C6) D1) (LRR A) Wetland Hyd	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (X Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) X Frost-Heave Hummocks (D7)
Primary Indi Field Obsel Surface Wate Water Table F Saturation Pre includes capilla	Cators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (E1) Inundation Visible on A Sparsely Vegetated C rvations: r Present? Yes	cone required ()	gery (B7) Irface (B8) No	Depth Depth	Water staine 1, 2, 4A, and Salt Crust (B Aquatic Inve Hydrogen St Oxidized Rhi Presence of Recent Iron I Stunted or S Other (Explain in (inches): in (inches): in (inches):	at 4B) states (B13) ulfide Odor (C1) sizospheres along Reduced Iron (C Reduction in Plottressed Plants (sin in Remarks) >13 >13	Except MLRA g Living Roots (C3) C4) owed Soils (C6) D1) (LRR A) Wetland Hyd	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C2) Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) X Frost-Heave Hummocks (D7)

PHS # 7296

Project/Site:	Sherwood I	ndustrial	Park	City/County:	Sherw	ood/Washington	Sampling	Date:	8/26	/2021
Applicant/Owner:	OWRA Sh	erwood, L	LC			State	: OR	Sam	pling Point:	6
nvestigator(s):		CM/CR		Section, To	wnship, Range:	Section 2	9D, Township	2South, F	Range 1We	est
andform (hillslope	e, terrace, etc.:)		Berm	<u> </u>	Local relief (co	ncave, convex, none):	Conve		Slope (%):	5
Subregion (LRR):	. ,	LRR A		Lat:	45.36	•			Datum:	WGS84
Soil Map Unit Nam				= silty clay loam			Classification:	<u></u>	None	
Are climatic/hydrolo		n the cite tu			Yes	N		o, explain in		
•		-	•	•				•	,	
Are vegetation		_	drology	significantly dis		Are "Normal Circumsta	, ,	r/N) _	<u>Y</u>	
Are vegetation	Soil	or Hyd	drology	naturally proble	matic? If needed	d, explain any answers in I	Remarks.)			
SUMMARY OF	F FINDINGS	- Attacl	h site man	showing sar	nnling point	locations, transec	ts. important	features	s. etc.	
lydrophytic Vegeta		Yes	X No		inpung pount	Toodinono, manooo	to, important		, 0.0.	
Hydric Soil Present		Yes	No		Is Sampled A	V-	c	No	Y	
•		_			a Wetla	nd?	s	NO _	<u>X</u>	
Vetland Hydrology	/ Present?	Yes	No	X						
lower topograp BPJ that hydrol	phy, or in area logy is slowly are not condu	as where l being div cive to re	hydrophytic verted throu taining wate	vegetation an gh stormwate er, nor do they	d hydric soils r infrastructur	we make sure to eva are present. The site e and storm facilities nual sheet flow from	is surrounded a. The geomor	d by new o	developme ion of grad	ent. It is our
/EGETATION	i - USE SCIEII	tilic man	absolute	Dominant	Indicator	Dominance Test w	orkshoot:			
			% cover	Species?	Status	Dominance rest w	oi Noiieel.			
<u>Free Stratum</u> (pl	lot size:	30)				Number of Dominant S	pecies			
1 Fraxinus lat	tifolia		20	X	FACW	That are OBL, FACW,	or FAC:	4		(A)
2										
3						Total Number of Domin	ant			
4						Species Across All Stra	ta:	7		(B)
			20	= Total Cover						
Sapling/Shrub Stra	<u>ıtum</u> (plot size	: 30)			Percent of Dominant Sp	necies			
1 Mahonia aq			_ [/] 30	X	FACU	That are OBL, FACW,		57%	_	(A/B)
2 Rubus arme			20	<u> </u>	FAC	That are ODE, I AOW,	<u> </u>	31 /		(ハロ)
3 Salix lasiano			20	<u> </u>	FACW	Prevalence Index V	Vorksheet:			
4 Fraxinus lat			10		FACW	Total % Cover of		iply by:		
5 Populus bal			5		FAC	OBL Species	_	x 1 =	0	
<u> </u>		-	85	= Total Cover		FACW species		x 2 =	0	
						FAC Species		x 3 =	0	
Herb Stratum (pl	lot size:	10)				FACU Species		x 4 =	0	
1 Holcus lana	tus		25	X	FAC	UPL Species		x 5 =	0	
2 Leucanthem	num vulgare		20	Х	FACU	Column Totals	0 (A)		0	(B)
3 Dactylis glo	merata		20	Х	FACU			_		
4 Hypericum j	perforatum		10		FACU	Prevalence Index	=B/A =	#DIV	0!	
5 Anthoxanth	um odoratum		10		FACU					
6 Daucus card	ota		10		FACU	Hydrophytic Veget	ation Indicator	s:		
7 Dipsacus fu	llonum		5		FAC		1- Rapid Test fo	r Hydrophyt	ic Vegetation	า
8						X	2- Dominance T	est is >50%)	
<u> </u>			100	= Total Cover			3-Prevalence In			
							4-Morphological	Adaptation	s ¹ (provide s	upporting
Noody Vine Stratu	ım (plot size:		_)				data in Remarks)
1							5- Wetland Non			
0							Problematic Hyd	drophytic Ve	egetation ¹ (Ex	xplain)
2			0	= Total Cover		¹ Indicators of hydric soi	•	ology must	be present, ι	ınless
						disturbed or problemati	C.			
						Llyalua l-: 4! -				
	Herb Stratum	(0			Hydrophytic Vegetation	Yes	x	No	
Z % Bare Ground in I	Herb Stratum		0			Hydrophytic Vegetation Present?	Yes	х	No_	

SOIL			PHS#	7296	<u>, </u>			Sampling Point: 6
rofile Descr	iption: (Describe to t	he depth	needed to docume	nt the indicat	tor or con	firm the abser	ce of indicators.)	
Depth	Matrix			Redox F		2		
(Inches)	Color (moist)	%	Color (moist)		Type ¹	Loc ²	Texture	Remarks
0-4	7.5YR 2.5/2	100					Silt Loam	20% cobble
4-14	7.5YR2.5/3	99	7.5YR 3/4		С	M	Silty Clay Loam	50% cobble;fine
Гуре: C=Con	centration, D=Depletion	on, RM=Re	educed Matrix, CS=0	Covered or Co	oated Sand	d Grains.		² Location: PL=Pore Lining, M=Matrix.
lydric Soil	Indicators: (Applie	cable to	all LRRs, unless	s otherwise	noted.)		Indica	ators for Problematic Hydric Soils ³ :
	Histosol (A1)			Sa	ndy Redox	x (S5)		2 cm Muck (A10)
	Histic Epipedon (A2)			Str	ripped Mat	rix (S6)		Red Parent Material (TF2)
	Black Histic (A3)					y Mineral (F1) (except MLRA 1)	Very Shallow Dark Surface (TF12)
					-		<u>-</u>	
	Hydrogen Sulfide (A4)					ed Matrix (F2)		Other (explain in Remarks)
	Depleted Below Dark	•	A11)	De	pleted Ma	trix (F3)		
	Thick Dark Surface (A	(12)		Re	dox Dark	Surface (F6)		³ Indicators of hydrophytic vegetation and wetland
	Sandy Mucky Mineral	(S1)		De	pleted Dai	rk Surface (F7)		hydrology must be present, unless disturbed or
	Sandy Gleyed Matrix ((S4)		Re	dox Depre	essions (F8)		problematic.
estrictive	Layer (if present):							
vne.								
• •	e). 						Hydric Soil Pres	ent? Ves No Y
Depth (inche	s):						Hydric Soil Pres	ent? Yes No X
Type: Depth (inchest canarks:	OGY						Hydric Soil Pres	ent? Yes NoX
Depth (inchestemarks: HYDROLO Vetland Hy	DGY drology Indicators		uired; check all th	nat apply)			Hydric Soil Pres	Secondary Indicators (2 or more required)
emarks: IYDROLO Vetland Hy	OGY drology Indicators cators (minimum of		uired; check all th		ater staine	d Leaves (B9)		Secondary Indicators (2 or more required)
epth (inchesemarks: IYDROLO /etland Hy rimary Indi	OGY rdrology Indicators cators (minimum of Surface Water (A1)	f one req	uired; check all th	Wa	ater staine 2, 4A, and		Hydric Soil Pres	
epth (inchesemarks: YDROLO /etland Hy rimary Indi	OGY odrology Indicators cators (minimum of Surface Water (A1) High Water Table (A2)	f one req	uired; check all th	Wa	2, 4A, and	I 4B)		Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B)
epth (inchesemarks: YDROLO /etland Hy rimary Indi	ody drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3)	f one req	uired; check all th	Wa 1, : Sa	2, 4A, and lt Crust (B	1 4B) 11)		Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10)
emarks: EYDROLO /etland Hy rimary Indi	ogy rdrology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1)	f one req	uired; check all th	Wa 1, : Sa Aq	2, 4A, and It Crust (B	1 4B) 11) rtebrates (B13)	Except MLRA	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)
epth (inchesemarks:	cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B	f one req	uired; check all th	Wa 1, 2 Sa Aq Hy	2, 4A, and It Crust (B) Uatic Inver	14B) 11) rtebrates (B13) ulfide Odor (C1)	Except MLRA	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery
epth (inchesemarks: YDROLO /etland Hy rimary Indi	cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B Drift Deposits (B3)	f one req	uired; check all th	Wa 1, 2 Sa Aq Hy	2, 4A, and It Crust (B uatic Inver drogen Su tidized Rhi	14B) 11) rtebrates (B13) ilfide Odor (C1) zospheres alon	Except MLRA g Living Roots (C3)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery Geomorphic Position (D2)
epth (inchesemarks:	cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B Drift Deposits (B3)	f one req	uired; check all th	Wa 1, 2 Sa Aq Hy Ox Pre	2, 4A, and It Crust (B uatic Inver drogen Su idized Rhi esence of	14B) 11) rtebrates (B13) ilfide Odor (C1) zospheres alon Reduced Iron (Except MLRA g Living Roots (C3) C4)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery Geomorphic Position (D2) Shallow Aquitard (D3)
emarks: IYDROLO Vetland Hy rrimary Indi	cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B Drift Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5)	f one req	uired; check all th	Walls	2, 4A, and alt Crust (B quatic Inver drogen Su didized Rhi esence of ecent Iron F	14B) 11) rtebrates (B13) ilfide Odor (C1) zospheres alon Reduced Iron (Reduction in Pla	g Living Roots (C3) C4) pwed Soils (C6)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5)
emarks: HYDROLO Vetland Hy Primary Indi	cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (B3)	f one req) 2) 4)		Wa 1, : Sa Aq Hy Ox Pre	2, 4A, and Ilt Crust (B uatic Inver drogen Su didized Rhi esence of ecent Iron F	14B) 11) rtebrates (B13) ulfide Odor (C1) zospheres alon Reduced Iron (Reduction in Ple tressed Plants	g Living Roots (C3) C4) pwed Soils (C6)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
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Pepth (inches Remarks: HYDROLO Vetland Hy Primary Indi	cators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (I) Inundation Visible on A Sparsely Vegetated Corvations:	f one req) 2) 4) Aerial Ima	igery (B7) urface (B8)	Wall of the second of the seco	2, 4A, and alt Crust (B quatic Inver drogen Su cidized Rhi esence of l ecent Iron F unted or Si her (Explai	14B) 11) rtebrates (B13) ulfide Odor (C1) zospheres alon Reduced Iron (Reduction in Ple tressed Plants	g Living Roots (C3) C4) owed Soils (C6) (D1) (LRR A)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
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Pepth (inches emarks: HYDROLO Vetland Hy Primary India Field Obser Surface Water Vater Table Per Staturation Presencludes capilla	cators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (I6) Inundation Visible on A Sparsely Vegetated Corvations: In Present? Yes	f one req) 2) 4) Aerial Ima	No X No X	Wa 1, : Sa Aq Hy Ox Pre Re Stu Ott	2, 4A, and alt Crust (B quatic Inver drogen Su didized Rhi esence of l ecent Iron F unted or St her (Explain ches): ches):	14B) 11) rtebrates (B13) ilfide Odor (C1) zospheres alon Reduced Iron (Reduction in Pletressed Plants in in Remarks) >14 >14	g Living Roots (C3) C4) bwed Soils (C6) D1) (LRR A) Wetland Hydi	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
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Pepth (inches emarks: HYDROLO Vetland Hy Primary India Field Obser Surface Water Vater Table Per Staturation Presencludes capilla	cators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (I6) Inundation Visible on A Sparsely Vegetated Corvations: In Present? Yes	f one req) 2) 4) Aerial Ima	No X No X	Wa 1, : Sa Aq Hy Ox Pre Re Stu Ott	2, 4A, and alt Crust (B quatic Inver drogen Su didized Rhi esence of l ecent Iron F unted or St her (Explain ches): ches):	14B) 11) rtebrates (B13) ilfide Odor (C1) zospheres alon Reduced Iron (Reduction in Pletressed Plants in in Remarks) >14 >14	g Living Roots (C3) C4) bwed Soils (C6) D1) (LRR A) Wetland Hydi	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Pepth (inches emarks: HYDROLO Vetland Hy Primary India Field Obser Surface Water Vater Table Per Staturation Presencludes capilla	cators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (I6) Inundation Visible on A Sparsely Vegetated Corvations: In Present? Yes	f one req) 2) 4) Aerial Ima	No X No X	Wa 1, : Sa Aq Hy Ox Pre Re Stu Ott	2, 4A, and alt Crust (B quatic Inver drogen Su didized Rhi esence of l ecent Iron F unted or St her (Explain ches): ches):	14B) 11) rtebrates (B13) ilfide Odor (C1) zospheres alon Reduced Iron (Reduction in Pletressed Plants in in Remarks) >14 >14	g Living Roots (C3) C4) bwed Soils (C6) D1) (LRR A) Wetland Hydi	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)

HS#	7296

Project/Site:	Sherwood I	Industria	l Park	City/County:	Sherwo	ood/Washington	Sampling Date:	8/26/2	2021
Applicant/Owner:	OWRA Sh	erwood,	LLC			State:	OR	Sampling Point:	7
Investigator(s):		CM/CR		Section, To	wnship, Range:	Section 29D	, Township 2So	uth, Range 1Wes	st
Landform (hillslope	, terrace, etc.:)		Terrace	•		ncave, convex, none):	Concave	Slope (%):	2
Subregion (LRR):	,	LRR	Α	Lat:	45.366	54 Long:	-122.8287	Datum:	WGS84
Soil Map Unit Name	e.			- ilty clay loam			ssification:	None	
Are climatic/hydrolo		on the site t	•	· ·	Yes	No		olain in Remarks)	
Are vegetation								Y	
_	_		ydrology	significantly dist		Are "Normal Circumstance		<u></u>	
Are vegetation	Soil	or H	ydrology	naturally proble	natic? if needed	, explain any answers in Ren	narks.)		
SUMMARY OF	FINDINGS	– Atta	ch site map s	showing san	npling point	locations, transects,	, important feat	tures, etc.	
Hydrophytic Vegeta		Yes	X No				•	•	
Hydric Soil Present		Yes	X No		Is Sampled Ar		x	No	
Wetland Hydrology		Yes -	X No		a wellar	iur			
		-							
	-					we make sure to evalua	-		
	-			-	-	are present. The site is e and storm facilities. T	-		
-		_				nual sheet flow from pe	-	-	uai upianu
VEGETATION						·		•	
			absolute	Dominant	Indicator	Dominance Test work	sheet:		
			% cover	Species?	Status				
Tree Stratum (pl	-	30)			Number of Dominant Spec	eies		
1 Fraxinus lati	ifolia		20	X	FACW	That are OBL, FACW, or F	AC:	7 (/	A)
2 Salix lasiand	dra		20	X	FACW				
3						Total Number of Dominant			
4						Species Across All Strata:		9 (1	В)
			40	= Total Cover					
Sapling/Shrub Strat	tum (plot size	e: 30)			Percent of Dominant Spec	ies		
1 Rubus arme	niacus		20	X	FAC	That are OBL, FACW, or I	FAC:	78% (/	A/B)
2 Salix lasiand	dra		10	X	FACW				
3 Fraxinus lati	ifolia		10	X	FACW	Prevalence Index Wo	rksheet:		
4 Mahonia aqu	uifolium		10	X	FACU	Total % Cover of	Multiply b	y:	
5						OBL Species	x 1 =	0	
			50	= Total Cover		FACW species	x 2 =	0	
						FAC Species	x 3 =		
Herb Stratum (pl	lot size:	10)			FACU Species	x 4 =		
1 Holcus lanat			35	X	FAC	UPL Species	x 5 =		
2 Agrostis cap	oillaris		20	X	FAC	Column Totals	0 (A)	(E	3)
						<u> </u>			
3 Leucanthem	num vulgare		10		FACU	_			
4 Leontodon s	num vulgare		10 15	x	FACU	Prevalence Index =B	:/A =	#DIV/0!	
4 Leontodon s 5 Poa sp	num vulgare saxatilis		10 15 10	x	FACU (UPL)			#DIV/0!	
4 Leontodon s 5 Poa sp 6 Dipsacus ful	num vulgare saxatilis llonum		10 15 10 10	X	FACU (UPL) FAC	Hydrophytic Vegetation	on Indicators:		
4 Leontodon s 5 Poa sp 6 Dipsacus fur 7 Equisetum a	num vulgare saxatilis Ilonum arvense		10 15 10 10 5	x	FACU (UPL) FAC FAC	Hydrophytic Vegetatio	on Indicators: - Rapid Test for Hyd	rophytic Vegetation	
4 Leontodon s 5 Poa sp 6 Dipsacus ful	num vulgare saxatilis Ilonum arvense		10 15 10 10 5 10		FACU (UPL) FAC	Hydrophytic Vegetation 1 X 2	on Indicators: - Rapid Test for Hyd	rophytic Vegetation	
4 Leontodon s 5 Poa sp 6 Dipsacus fur 7 Equisetum a	num vulgare saxatilis Ilonum arvense		10 15 10 10 5	X = Total Cover	FACU (UPL) FAC FAC	Hydrophytic Vegetation 1	on Indicators: - Rapid Test for Hyd - Dominance Test is	rophytic Vegetation >50% ≤ 3.0 ¹	pporting
Leontodon s Poa sp Dipsacus fur Equisetum a Daucus card	num vulgare saxatilis Ilonum arvense ota		10 15 10 10 5 10		FACU (UPL) FAC FAC	Hydrophytic Vegetation X 2 3 4	on Indicators: - Rapid Test for Hyd - Dominance Test is -Prevalence Index is -Morphological Ada	rophytic Vegetation >50% s ≤ 3.0 ¹ otations ¹ (provide su	pporting
4 Leontodon s 5 Poa sp 6 Dipsacus fur 7 Equisetum a 8 Daucus card	num vulgare saxatilis Ilonum arvense ota		10 15 10 10 5 10		FACU (UPL) FAC FAC	Hydrophytic Vegetation X 2 3 4	on Indicators: - Rapid Test for Hyd: - Dominance Test isPrevalence Index isMorphological Adaplata in Remarks or o	rophytic Vegetation >50% : ≤ 3.0 ¹ otations ¹ (provide sun a separate sheet)	pporting
4 Leontodon s 5 Poa sp 6 Dipsacus fur 7 Equisetum a 8 Daucus card	num vulgare saxatilis Ilonum arvense ota		10 15 10 10 5 10		FACU (UPL) FAC FAC	Hydrophytic Vegetation X 2 3 4 6 5	on Indicators: - Rapid Test for Hyd - Dominance Test is - Prevalence Index is - Morphological Adaptata in Remarks or one - Wetland Non-Vasc	rophytic Vegetation >50% ≤ 3.0 ¹ stations ¹ (provide sun a separate sheet)	
4 Leontodon s 5 Poa sp 6 Dipsacus fur 7 Equisetum a 8 Daucus card	num vulgare saxatilis Ilonum arvense ota		10 15 10 10 5 10 115	= Total Cover	FACU (UPL) FAC FAC	Hydrophytic Vegetation X 2 3 4 5 F	on Indicators: - Rapid Test for Hyd - Dominance Test isPrevalence Index isMorphological Adap lata in Remarks or or Wetland Non-Vaso	rophytic Vegetation >50% s ≤ 3.0¹ otations¹ (provide sun a separate sheet) cular Plants¹ ytic Vegetation¹ (Exp	olain)
4 Leontodon s 5 Poa sp 6 Dipsacus fur 7 Equisetum a 8 Daucus card	num vulgare saxatilis Ilonum arvense ota		10 15 10 10 5 10		FACU (UPL) FAC FAC	Hydrophytic Vegetation 1 X 2 3 4 d 5 Indicators of hydric soil an	on Indicators: - Rapid Test for Hyd - Dominance Test isPrevalence Index isMorphological Adap lata in Remarks or or Wetland Non-Vaso	rophytic Vegetation >50% s ≤ 3.0¹ otations¹ (provide sun a separate sheet) cular Plants¹ ytic Vegetation¹ (Exp	olain)
4 Leontodon s 5 Poa sp 6 Dipsacus fur 7 Equisetum a 8 Daucus card	num vulgare saxatilis Ilonum arvense ota		10 15 10 10 5 10 115	= Total Cover	FACU (UPL) FAC FAC	Hydrophytic Vegetation X 2 3 4 5 F	on Indicators: - Rapid Test for Hyd - Dominance Test isPrevalence Index isMorphological Adap lata in Remarks or or Wetland Non-Vaso	rophytic Vegetation >50% s ≤ 3.0¹ otations¹ (provide sun a separate sheet) cular Plants¹ ytic Vegetation¹ (Exp	olain)
4 Leontodon s 5 Poa sp 6 Dipsacus fur 7 Equisetum a 8 Daucus card	num vulgare saxatilis Ilonum arvense ota m (plot size:		10 15 10 10 5 10 115	= Total Cover	FACU (UPL) FAC FAC	Hydrophytic Vegetation 1 X 2 3 4 d 5 F Indicators of hydric soil and disturbed or problematic.	on Indicators: - Rapid Test for Hyd - Dominance Test isPrevalence Index isMorphological Adap lata in Remarks or or Wetland Non-Vaso	rophytic Vegetation >50% s ≤ 3.0¹ otations¹ (provide sun a separate sheet) cular Plants¹ ytic Vegetation¹ (Exp	olain)

Varies Cercurstation (Describes to the depth necessed to document the indication or confirm the absence of indicators.) Whattis Redox Features (pichola) Colek (Inset) 5	SOIL			PHS#	729	6			Sampling Point: 7
Content Free Content Free Content	Profile Descr	iption: (Describe to t	he depth	needed to docume	nt the indica	ator or con	firm the absen	ce of indicators.)	
4.7 10°R 3/3 99 10°R 3/5 1 C M Loam Fine 7.12 7.8°YR 3/2 95 7.5°YR 3/4 5 C M Loam Medium; 30% cobble 7.12 7.8°YR 3/2 95 7.5°YR 3/4 5 C M Loam Medium; 30% cobble 7.12 7.8°YR 3/2 95 7.5°YR 3/4 5 C M Loam Medium; 30% cobble 7.15	Depth	Matrix				- 1			
4-7 10YR 3/3 99 10YR 3/6 1 C M Loam Fine 7-12 7.5YR 3/2 95 7.5YR 3/4 5 C M Loam Medium; 30% cobble Tryse C-Concentration, D-Depletion, RM-Restoed Matrix, CS-Covered or Casted Stand Grains. Type C-Concentration, D-Depletion, RM-Restoed Matrix, CS-Covered or Casted Stand Grains. Type C-Concentration, D-Depletion, RM-Restoed Matrix, CS-Covered or Casted Stand Grains. Type C-Concentration, D-Depletion, RM-Restoed Matrix, CS-Covered or Casted Stand Grains. Type C-Concentration, D-Depletion, RM-Restoed Matrix, CS-Covered or Casted Stand Grains. Type C-Concentration, D-Depletion, RM-Restoed Matrix, CS-Covered or Casted Stand Grains. Type C-Concentration, D-Depletion, RM-Restoed Matrix, CS-Covered or Casted Stand Grains. Type C-Concentration, D-Depletion, RM-Restoed Matrix, CS-Covered or Casted Stand Grains. Type C-Concentration, D-Depletion, RM-Restoed Matrix, CS-Covered or Casted Stand Grains. Type C-Concentration, D-Depletion, RM-Restoed Matrix, CS-Covered or Casted Stand Grains. Type C-Concentration, D-Depletion, RM-Restoed Matrix, CS-Covered or Casted Stand Grains. Type C-Concentration, D-Depletion, RM-Restoed Matrix, CS-Covered or Casted Stand Grains. Type C-Concentration, D-Depletion, RM-Restoed Matrix, CS-Covered or Casted Stand Grains. Type C-Concentration, D-Depletion, RM-Restoed Matrix, CS-Covered or Casted Stand Grains. Type C-Concentration, D-Depletion, RM-Restoed Matrix, CS-Covered or Casted Stand Grains. Type C-Concentration, D-Depletion, RM-Restoed Matrix, CS-Covered or Casted Stand Grains. Type C-Concentration, D-Depletion, RM-Restoed Matrix, CS-Covered or Casted Stand Grains. Type C-Concentration, D-Depletion, RM-Restoed Matrix, CS-Covered or Casted Stand Grains Restored Type Concentration, D-Depletion, CM-Restored Code (C1) Type Code Standard Cod	(Inches)	Color (moist)	%	Color (moist)	%	Type	Loc²	Texture	Remarks
Type: C-Concentration, D-Depletion, RM-Reduced Matrix, CS-Covered or Coated Sand Grains. Type: C-Concentration, D-Depletion, RM-Reduced Matrix, CS-Covered or Coated Sand Grains. Type: C-Concentration, D-Depletion, RM-Reduced Matrix, CS-Covered or Coated Sand Grains. Type: C-Concentration, D-Depletion, RM-Reduced Matrix, CS-Covered or Coated Sand Grains. Type: C-Concentration, D-Depletion, RM-Reduced Matrix, CS-Covered or Coated Sand Grains. Type: C-Concentration, D-Depletion, RM-Reduced Matrix, CS-Covered or Coated Sand Grains. Type: C-Concentration, D-Depletion, RM-Reduced Matrix, CS-Covered or Coated Sand Grains. Type: C-Concentration, D-Depletion, RM-Reduced Matrix, CS-Covered or Coated Sand Grains. Type: C-Concentration, D-Depletion Coa	0-4	7.5YR 2.5/2			100			Silt Loam	
Type: C=Concentration, D=Depleton, RN=Reduced Matrix, CS=Covered or Coated Sand Grains. Type: C=Concentration, D=Depleton, RN=Reduced Matrix, CS=Covered or Coated Sand Grains. Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils*: Historical (A1)	4-7	10YR 3/3	99	10YR 3/6		С	M	Loam	Fine
Hidicators: (Applicable to all LRRs, unless otherwise noted.) Hidicators (A1) Hidicators (A2) Hidicators (A3) Sandy Redox (S5) Pare Hauck (A3) Loamy Mucky Mineral (F1) (except MLRA 1) Popleted Matrix (F2) Depleted Matrix (F2) Phydrogen Suffice (A4) Depleted Matrix (F2) Phydrogen Suffice (A4) Depleted Matrix (F2) Phydrogen Suffice (A1) Person (F3) Thick Dark Surface (A12) A Redox Dark Surface (F6) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Pepth (inches): Pepth (inches): Phydric Soil Present? Yes X No Water stained Leaves (B3) Water stained Leaves (B3) Water Marks (B1) Water Marks (B1) Water Marks (B1) Water Marks (B1) A quastic Invertebrates (B13) Phydrogen Suffice (C4) Water Marks (B1) A quastic Invertebrates (B13) Phydrogen Suffice (C4) Water Marks (B1) A quastic Invertebrates (B13) Phydrogen Suffice (C4) Presence of Reduced Iron (C4) Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Presence of Reduced Iron (C4) Presence of Reduced Iron (C4) Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Presence of Reduced I	7-12	7.5YR 3/2	95	7.5YR 3/4	5	С	M	Loam	Medium; 30% cobble
Hidicators: (Applicable to all LRRs, unless otherwise noted.) Hidicators (A1) Hidicators (A1) Hidicators (A1) Hidicators (A2) Sandy Redox (S5) 2 cm Muck (M10) Red Parent Material (TF2) Black Histic (A3) Loamy Mucky Mineral (F1) (except MLRA 1) Perpleted Below Dark Surface (A12) Thick Dark Surface (A12) Redox Dark Surface (F7) Popleted Below Dark Surface (A11) Depleted Matrix (F2) Sandy Mucky Mineral (S1) Depleted Matrix (F2) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F6) Sandy Gleyed Matrix (S4) Redox Dark Surface (F6) Sandy Gleyed Matrix (S4) Redox Depressions (FB) Pydricity mat be present; Pype: Pepth (inches): Hydric Soil Present? Yes X No Water stained Leaves (B8) Hydric Soil Present? Yes X No Water stained Leaves (B9) Water Marks (B1) Water stained Leaves (B1) Water Marks (B1) Water Marks (B1) Aquatic Invertebrates (B13) Diff Deposite (B2) Hydrogen Sulfide Odor (C1) Sulface (B4) Hydrogen Sulfide Odor (C1) Sulface (B3) Aquatic Invertebrates (B13) Diff Deposite (B3) Oddieder Rizzapshers along Living Roots (C3) Agal Mat or Crust (B4) Presence of Reduced Iron (C4) Aquatic Invertebrates (B1) Redox Deposite (B5) Recent Iron Reduction in Plowes Soils (C5) X Fact-Neutral Test (D5) Surface Soil Cracks (B6) Surface Soil Cracks (B6) Surface Soil Cracks (B6) Surface Soil Cracks (B6) Presence of Reduced Iron (C4) Agal Mat or Crust (B4) Presence of Reduced Iron (C4) Agal Mat or Crust (B4) Presence of Reduced Iron (C4) Shallow Aquitard (D3) Frost-Heave Hummocks (D7) Present Vers No X Depth (inches): Field Observations: Furface Water Present? Yes No X Depth (inches): Presence of Reduced Iron (C4) Pr									
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Hidicators: (Applicable to all LRRs, unless otherwise noted.) Hidicators (A1) Hidicators (A1) Hidicators (A1) Hidicators (A2) Sandy Redox (S5) 2 cm Muck (M10) Red Parent Material (TF2) Black Histic (A3) Loamy Mucky Mineral (F1) (except MLRA 1) Perpleted Below Dark Surface (A12) Thick Dark Surface (A12) Redox Dark Surface (F7) Popleted Below Dark Surface (A11) Depleted Matrix (F2) Sandy Mucky Mineral (S1) Depleted Matrix (F2) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F6) Sandy Gleyed Matrix (S4) Redox Dark Surface (F6) Sandy Gleyed Matrix (S4) Redox Depressions (FB) Pydricity mat be present; Pype: Pepth (inches): Hydric Soil Present? Yes X No Water stained Leaves (B8) Hydric Soil Present? Yes X No Water stained Leaves (B9) Water Marks (B1) Water stained Leaves (B1) Water Marks (B1) Water Marks (B1) Aquatic Invertebrates (B13) Diff Deposite (B2) Hydrogen Sulfide Odor (C1) Sulface (B4) Hydrogen Sulfide Odor (C1) Sulface (B3) Aquatic Invertebrates (B13) Diff Deposite (B3) Oddieder Rizzapshers along Living Roots (C3) Agal Mat or Crust (B4) Presence of Reduced Iron (C4) Aquatic Invertebrates (B1) Redox Deposite (B5) Recent Iron Reduction in Plowes Soils (C5) X Fact-Neutral Test (D5) Surface Soil Cracks (B6) Surface Soil Cracks (B6) Surface Soil Cracks (B6) Surface Soil Cracks (B6) Presence of Reduced Iron (C4) Agal Mat or Crust (B4) Presence of Reduced Iron (C4) Agal Mat or Crust (B4) Presence of Reduced Iron (C4) Shallow Aquitard (D3) Frost-Heave Hummocks (D7) Present Vers No X Depth (inches): Field Observations: Furface Water Present? Yes No X Depth (inches): Presence of Reduced Iron (C4) Pr									
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Sandy fileyed Martix (S4) Redox Depressions (F8) hydrology must be present, unless disturbed or problematic. Restrictive Layer (if present): ype:		Thick Dark Surface (A	A12)			edox Dark	Surface (F6)		3
Sandy Gleyed Matrix (S4) Redox Depressions (F8) problematic. Popth (inches):		Sandy Mucky Mineral	(S1)		D	epleted Dai	rk Surface (F7)		, , , ,
Page		Sandy Gleyed Matrix	(S4)		R	edox Depre	essions (F8)		· · · · · · · · · · · · · · · · · · ·
emarks: Hydric Soil Present? Yes X No	estrictive	Layer (if present):							
emarks: Hydric Soil Present? Yes X No	vne.								
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marks:		24th (01104111 ge	5 -, 111011		, provide		,, available.		
marks:									
emarks:									
	emarks:								

Project/Site:	Sherwood Industri	al Park	City/County:	Sherwo	ood/Washington	Samp	oling Date:	8/26/	2021
Applicant/Owner:	OWRA Sherwood	I, LLC			State	e: OR		Sampling Point:	8
Investigator(s):	CM/CR		Section, To	wnship, Range:	Section 2	29D, Towns	hip 2Soul	th, Range 1We	st
Landform (hillslope,	terrace, etc.:)	Slope	<u> </u>	Local relief (cor	ncave, convex, none):	N	lone	Slope (%):	5
Subregion (LRR):	LRR	A	Lat:	45.367	'2 Long	g: -12 2	2.8269	 Datum:	WGS84
Soil Map Unit Name	e:	Briedwell s	tony silt loam	1	NWI	Classification:		None	
Are climatic/hydrolo	gic conditions on the site	e typical for this time	e of year?	Yes		lo X	(if no, expla	ain in Remarks)	
Are vegetation	Soil or I	Hydrology	significantly dist	urbed?	Are "Normal Circumsta	ances" presen	it? (Y/N)	Υ	
Are vegetation	Soil or I	Hydrology	naturally probler	matic? If needed,	, explain any answers in	Remarks.)			
			-						
SUMMARY OF		ach site map s	showing san	npling point	locations, transec	cts, import	ant featu	ıres, etc.	
Hydrophytic Vegeta	tion Present? Yes	No	X	Is Sampled Ar	ea within				
Hydric Soil Present	? Yes	No	X	a Wetlan	ıd? Ye	es		No X	
Wetland Hydrology	Present? Yes	No	X						
lower topograp BPJ that hydrolo slopes on site a	hy, or in areas when ogy is slowly being re not conducive to	re hydrophytic v diverted throug retaining water	vegetation and the stormwater r, nor do they	d hydric soils infrastructure	we make sure to eva are present. The site and storm facilities nual sheet flow from	e is surrour s. The geon	nded by no	ew developme osition of grad	nt. It is our
VEGETATION	- Use scientific na	ames or prame	Dominant	Indicator	Dominance Test w	orkshoot:			
		% cover	Species?	Status	williance rest w	ornoneet.			
Tree Stratum (plo	ot size:	_)			Number of Dominant S	pecies			
1		-			That are OBL, FACW,	or FAC:		3	(A)
2									
3					Total Number of Domir			6	'D'
4			= Total Cover		Species Across All Stra	ata:		6 ((B)
			- Total Cover						
Sapling/Shrub Strat		_ ′		F40	Percent of Dominant S	•		E00/	(A /D)
1 Populus bals	_	20	x	(UPL)	That are OBL, FACW,	or FAC:	-	50%	(A/B)
2 Cytisus scop 3 Rubus arme		10		FAC	Prevalence Index \	Norksheet:			
4 Quercus gar		5		FACU	Total % Cover of	. TO I NO I I O O LI	Multiply by:		
5 Crataegus m	•	5		FAC	OBL Species	_	x 1 =	₀	
		45	= Total Cover		FACW species		x 2 =	0	
					FAC Species		x 3 =	0	
	ot size: 10	_)			FACU Species		x 4 =	0	
1 Holcus lanat	us	25	<u> </u>	FAC	UPL Species		x 5 =		D)
2 Bromus sp. 3 Leucanthem	um vulgara	<u>20</u> 15	X	(FAC) FACU	Column Totals	0	(A)	<u> </u>	B)
4 Anthoxanthu		25	x	FACU	Prevalence Index	c=B/A =	#1	DIV/0!	
5 Hypericum p		5		FACU	. Astalonoc mack	. =			
6 Dactylis glor		10		FACU	Hydrophytic Veget	ation Indica	ators:		
7						1- Rapid Te	est for Hydro	phytic Vegetation	
8						2- Dominar	nce Test is >	•50%	
		100	= Total Cover				ce Index is ≤		
Mandy V: 0' '	nlot size:	\						ations ¹ (provide su	
Woody Vine Stratur 1 Rubus ursin) 10	X	FACU			narks or on a Non-Vascul	a separate sheet) Iar Plants ¹	
2	uo			1 700				iai Fiants ic Vegetation ¹ (Ex	plain)
		10	= Total Cover		¹ Indicators of hydric soldisturbed or problemati	— il and wetland			
% Bare Ground in F	lerb Stratum	0			Hydrophytic Vegetation	Yes		No_	х
Remarks:					rresent?				
	lerb Stratum				disturbed or problemati	ic.	, 0,	•	

rofilo Dana	rintion: (Deceribe to t	no donth	200dad +	locum	the indi-	ator or	firm the cha	on of indicators '	
Depth	ription: (Describe to th Matrix	ne depth i	needed to d	documen		ator or con Features	firm the abser	ice of indicators.)	
(Inches)	Color (moist)	%	Color (m	noist)	%	Type ¹	Loc ²	Texture	Remarks
0-13	10YR 3/2	100						Silt Loam	
			-						
			•						
			-						·
			-						
	· ——								
	·		•						
Гуре: С=Соі	ncentration, D=Depletio	n, RM=Re	duced Matr	rix, CS=C	overed or (Coated San	d Grains.		² Location: PL=Pore Lining, M=Matrix.
lydric Soi	Indicators: (Appli	cable to	all LRRs,	unless	otherwis	se noted.)		Indic	cators for Problematic Hydric Soils ³ :
	Histosol (A1)			_	s	andy Redo	x (S5)		2 cm Muck (A10)
	Histic Epipedon (A2)			_	s	Stripped Mat	rix (S6)		Red Parent Material (TF2)
	Black Histic (A3)			-		oamy Muck	y Mineral (F1) (except MLRA 1)	Very Shallow Dark Surface (TF12)
	- Hydrogen Sulfide (A4)	1		-		-	ed Matrix (F2)		Other (explain in Remarks)
	Depleted Below Dark		(11)	-	_	epleted Ma			
	Thick Dark Surface (A	•	,	-	_	=	Surface (F6)		
	Sandy Mucky Mineral	•		-			rk Surface (F7)		³ Indicators of hydrophytic vegetation and wetland
	•			-		=			hydrology must be present, unless disturbed or
	Sandy Gleyed Matrix (54)		_		кеаох Берге	essions (F8)		problematic.
	es):							Hydric Soil Pre	sent? Yes NoX
epth (inche	es):							Hydric Soil Pre	sent? Yes NoX
								Hydric Soil Pre	sent? Yes NoX
emarks:		3 :						Hydric Soil Pre	sent? Yes NoX
IYDROLO	DGY		uired; che	ck all tha	at apply)			Hydric Soil Pre	Secondary Indicators (2 or more required)
IYDROLO	DGY ydrology Indicators		uired; che	ck all tha	V		d Leaves (B9)		Secondary Indicators (2 or more required) Water stained Leaves (B9)
IYDROLO	DGY ydrology Indicators icators (minimum of	one req	uired; che	ck all tha	V	Vater staine			Secondary Indicators (2 or more required)
IYDROLO	DGY ydrology Indicators icators (minimum of Surface Water (A1)	one req	uired; che	ck all tha	V		I 4B)		Secondary Indicators (2 or more required) Water stained Leaves (B9)
IYDROLO	DGY ydrology Indicators licators (minimum of Surface Water (A1) High Water Table (A2	one req	uired; che	ck all tha	V 1	, 2, 4A, and Salt Crust (B	I 4B)		Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B)
IYDROLO	DGY ydrology Indicators licators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3)	one req	uired; che	ck all tha	V 1 S	, 2, 4A, and Salt Crust (B Aquatic Inve	1 4B)	Except MLRA	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)
IYDROLO	DGY ydrology Indicators icators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1)	one req	uired; che	ck all tha	V 1 	, 2 , 4A , and Salt Crust (B Aquatic Invel Hydrogen Su	14B) 111) rtebrates (B13) ulfide Odor (C1)	Except MLRA	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)
IYDROLO	DGY ydrology Indicators licators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B	one req	uired; che	ck all tha	V 1 S A A	, 2 , 4A , and Salt Crust (B Aquatic Invertigation Hydrogen Su Oxidized Rhi	14B) 111) rtebrates (B13) ulfide Odor (C1)	(Except MLRA	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (
IYDROLO	pdgy sydrology Indicators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B.) Drift Deposits (B3)	one req	uired; che	ck all tha	V 1 S A H C	, 2, 4A, and Galt Crust (B Aquatic Inveloy Hydrogen Su Dxidized Rhi	1 4B) 111) rtebrates (B13) ilfide Odor (C1) zospheres alon Reduced Iron ((Except MLRA	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Geomorphic Position (D2)
IYDROLO	pdgy ydrology Indicators icators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4	one req	uired; che	ck all tha	V 1 S A H C F	, 2, 4A, and Salt Crust (B Aquatic Inverse Hydrogen Su Oxidized Rhi Presence of Recent Iron I	1 4B) 111) rtebrates (B13) ilfide Odor (C1) zospheres alon Reduced Iron ((Except MLRA g Living Roots (C3) C4) owed Soils (C6)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Geomorphic Position (D2) Shallow Aquitard (D3)
IYDROLO	DGY ydrology Indicators icators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5)	one req) 2))		ck all tha	V 1 1 S A A A A A A A A A A A A A A A A A	a, 2, 4A, and salt Crust (Baquatic Inverselydrogen Subxidized Rhi Presence of Recent Iron I	d 4B) Internates (B13) Iffide Odor (C1) Iterative along the control of the con	(Except MLRA g Living Roots (C3) C4) owed Soils (C6)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5)
IYDROLO	DGY ydrology Indicators icators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (E	one req 2) 36) Aerial Ima	gery (B7)	ck all tha	V 1 1 S A A A A A A A A A A A A A A A A A	a, 2, 4A, and salt Crust (Baquatic Inverselydrogen Subxidized Rhi Presence of Recent Iron I	at 4B) attention (B13) attention (C1)	(Except MLRA g Living Roots (C3) C4) owed Soils (C6)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
IYDROLO	DGY ydrology Indicators icators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (E Inundation Visible on A Sparsely Vegetated C	one req 2) 36) Aerial Ima	gery (B7)	ck all tha	V 1 1 S A A A A A A A A A A A A A A A A A	a, 2, 4A, and salt Crust (Baquatic Inverselydrogen Subxidized Rhi Presence of Recent Iron I	at 4B) attention (B13) attention (C1)	(Except MLRA g Living Roots (C3) C4) owed Soils (C6)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
HYDROLO Vetland Hy	pdy ydrology Indicators icators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (E Inundation Visible on A Sparsely Vegetated C rvations:	one req 2) 36) Aerial Ima	gery (B7) ırface (B8)	ck all tha	V 1 1 S A A A A A A A A A A A A A A A A A	a, 2, 4A, and all Crust (Blaquatic Inversed State of Recent Iron I Stunted or Stunted or Stunted or Stunted Stundard St	at 4B) attention (B13) attention (C1)	(Except MLRA g Living Roots (C3) C4) owed Soils (C6)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
IYDROLO Vetland Hy Primary Ind Gield Obse	pogy ydrology Indicators icators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (E Inundation Visible on A Sparsely Vegetated Corvations: er Present? Yes	one req 2) 36) Aerial Ima	gery (B7) urface (B8)	- - - - - - -	V 1 1 S A A A A A A A A A A A A A A A A A	c, 2, 4A, and salt Crust (B Aquatic Inverse Aydrogen Su Dxidized Rhi Presence of Recent Iron I Stunted or Suther (Explanate):	rtebrates (B13) ulfide Odor (C1) zospheres alon Reduced Iron (Reduction in Ple tressed Plants in in Remarks)	g Living Roots (C3) C4) owed Soils (C6) (D1) (LRR A)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
IYDROLO Vetland Hy Primary Ind ield Obse urface Water	DGY ydrology Indicators icators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (E Inundation Visible on A Sparsely Vegetated Co rvations: er Present? Yes Present? Yes	one req 2) 36) Aerial Ima	gery (B7) urface (B8) No No	- - - - - - - - - -	VV 11 SS AA H CC F F SS CO Depth (ii	calt Crust (Baquatic Invented by Arguatic Inches):	at 4B) attention (B13) attention (C1) atten	g Living Roots (C3) C4) owed Soils (C6) (D1) (LRR A)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
IYDROLO Vetland Hy Primary Ind Gield Obse	DGY ydrology Indicators icators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (E Inundation Visible on A Sparsely Vegetated C rvations: er Present? Yes Present? Yes esent? Yes	one req 2) 36) Aerial Ima	gery (B7) urface (B8) No No	- - - - - - -	V 1 1 S A A A A A A A A A A A A A A A A A	calt Crust (Baquatic Invented by Arguatic Inches):	rtebrates (B13) ulfide Odor (C1) zospheres alon Reduced Iron (Reduction in Ple tressed Plants in in Remarks)	g Living Roots (C3) C4) owed Soils (C6) (D1) (LRR A)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
IYDROLO Vetland Hy Primary Ind ield Obse urface Water /ater Table aturation Princludes capilli	DGY ydrology Indicators icators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (E Inundation Visible on A Sparsely Vegetated C rvations: er Present? Yes Present? Yes esent? Yes	one req 2) 36) Aerial Ima oncave St	gery (B7) ırface (B8) No No No	x x x x	V 1 1 S A A C F S C C Depth (i Depth (i	a, 2, 4A, and all Crust (B aquatic Inverse of Recent Iron I but the Country of th	at 4B) artebrates (B13) alfide Odor (C1) artebrates alon Reduced Iron (Reduction in Plettressed Plants in in Remarks) >13 >13	g Living Roots (C3) C4) owed Soils (C6) (D1) (LRR A) Wetland Hyd	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
IYDROLO Vetland Hy Primary Ind ield Obse urface Water /ater Table aturation Princludes capilli	pdgy ydrology Indicators icators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (E Inundation Visible on A Sparsely Vegetated Corvations: ar Present? Yes Present? Yes esent? Yes ary fringe)	one req 2) 36) Aerial Ima oncave St	gery (B7) ırface (B8) No No No	x x x x	V 1 1 S A A C F S C C Depth (i Depth (i	a, 2, 4A, and all crust (B aquatic Inverse of Recent Iron I but the Country of th	at 4B) artebrates (B13) alfide Odor (C1) artebrates alon Reduced Iron (Reduction in Plettressed Plants in in Remarks) >13 >13	g Living Roots (C3) C4) owed Soils (C6) (D1) (LRR A) Wetland Hyd	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
IYDROLO Vetland Hy Primary Ind ield Obse urface Water /ater Table aturation Princludes capilli	pdgy ydrology Indicators icators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (E Inundation Visible on A Sparsely Vegetated Corvations: ar Present? Yes Present? Yes esent? Yes ary fringe)	one req 2) 36) Aerial Ima oncave St	gery (B7) ırface (B8) No No No	x x x x	V 1 1 S A A C F S C C Depth (i Depth (i	a, 2, 4A, and all crust (B aquatic Inverse of Recent Iron I but the Country of th	at 4B) artebrates (B13) alfide Odor (C1) artebrates alon Reduced Iron (Reduction in Plettressed Plants in in Remarks) >13 >13	g Living Roots (C3) C4) owed Soils (C6) (D1) (LRR A) Wetland Hyd	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
IYDROLO Vetland Hy Primary Ind ield Obse urface Water /ater Table aturation Princludes capilli	pdgy ydrology Indicators icators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (E Inundation Visible on A Sparsely Vegetated Corvations: ar Present? Yes Present? Yes esent? Yes ary fringe)	one req 2) 36) Aerial Ima oncave St	gery (B7) ırface (B8) No No No	x x x x	V 1 1 S A A C F S C C Depth (i Depth (i	a, 2, 4A, and all crust (B aquatic Inverse of Recent Iron I but the Country of th	at 4B) artebrates (B13) alfide Odor (C1) artebrates alon Reduced Iron (Reduction in Plettressed Plants in in Remarks) >13 >13	g Living Roots (C3) C4) owed Soils (C6) (D1) (LRR A) Wetland Hyd	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)

PHS # _____7

7296

Project/Site:	Sherwood Inde	ustrial Park	City/County:	Sherw	ood/Washington	Sampling Date:	8/26/	2021
Applicant/Owner:	OWRA Sherv	vood, LLC			State:	OR	Sampling Point:	9
Investigator(s):	CN	I/CR	Section, To	wnship, Range:	Section 29	D, Township 2So	uth, Range 1We	st
Landform (hillslope,	terrace, etc.:)	Slope		Local relief (co	ncave, convex, none):	Concave	Slope (%):	2
Subregion (LRR):	_	LRR A	Lat:	45.36	71 Long:	-122.8269	 Datum:	WGS84
Soil Map Unit Name		Briedwell s	- stony silt loam	1	NWI Cla	ssification:	None	
Are climatic/hydrolo	gic conditions on th	e site typical for this tim	e of year?	Yes	No	X (if no, exp	olain in Remarks)	
Are vegetation	Soil	or Hydrology	significantly dist	urbed?	Are "Normal Circumstand	ces" present? (Y/N)	Υ	
Are vegetation	Soil	or Hydrology			d, explain any answers in Re	marks.)		
			- '			,		
SUMMARY OF	FINDINGS -	Attach site map	showing san	npling point	locations, transects	, important feat	tures, etc.	
Hydrophytic Vegeta	tion Present? Y	es X No		Is Sampled A	rea within			
Hydric Soil Present	? Y	es X No		a Wetla		X	No	
Wetland Hydrology	Present? Y	es X No						
Remarks: Pr	ecipitation is be	elow normal, which	is now comm	on. As such,	we make sure to evalu	ate a dry-season	water table in a	reas of
					are present. The site is			
-		-			e and storm facilities.			ual upland
		ic names of plant		receive conti	nual sheet flow from p	ervious upper sic	ppes as before.	
<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>		absolute	Dominant	Indicator	Dominance Test wor	ksheet:		
		% cover	Species?	Status				
Tree Stratum (pl)			Number of Dominant Spe			
1 Populus bal	samifera	50	X	FAC	That are OBL, FACW, or	FAC:	3 (A)
3					Tatal Niverbay of Dansin an			
3					Total Number of Dominan Species Across All Strata		3 (В)
-		50	= Total Cover		Opedies Across All Otrata.	·	(5)
C			10101 00101					
Sapling/Shrub Strat	(′	v	F40	Percent of Dominant Spec		4000/	A (D)
1 Rubus arme	niacus	10	X	FAC	That are OBL, FACW, or	FAC:	100%	A/B)
3					Prevalence Index Wo	orksheet:		
4					Total % Cover of	Multiply b	V:	
5					OBL Species	x 1 =		
		10	= Total Cover		FACW species	x 2 =	0	
					FAC Species	x 3 =		
	ot size: 10)	.,		FACU Species	x 4 =		
1 Phalaris aru		<u>80</u>	X	FACW	UPL Species	x 5 =		3 \
2 Lotus cornic	culatus			FAC	Column Totals	0 (A)	<u> </u>	3)
4					Prevalence Index =	3/A = :	#DIV/0!	
5					T TOVAIGNOOT INGOX			
6					Hydrophytic Vegetati	ion Indicators:		
7						1- Rapid Test for Hyd	Irophytic Vegetation	
8					X	2- Dominance Test is	>50%	
		85	= Total Cover			3-Prevalence Index is		
						4-Morphological Adap		pporting
						data in Domarke ar a	n a canarata chaat)	
Woody Vine Stratur	m (plot size:)				data in Remarks or o		
1	m (plot size:)				5- Wetland Non-Vasc	cular Plants ¹	oloin)
	m (plot size:)	= Total Cavar			5- Wetland Non-Vasc Problematic Hydroph	cular Plants ¹ ytic Vegetation ¹ (Ex	
1	<u>n</u> (plot size:		= Total Cover			5- Wetland Non-Vasc Problematic Hydroph	cular Plants ¹ ytic Vegetation ¹ (Ex	
12			= Total Cover		¹ Indicators of hydric soil a disturbed or problematic. Hydrophytic	5- Wetland Non-Vasc Problematic Hydrophy nd wetland hydrology	cular Plants ¹ ytic Vegetation ¹ (Ex	
1		0	= Total Cover		¹ Indicators of hydric soil a disturbed or problematic.	5- Wetland Non-Vasc Problematic Hydroph	cular Plants ¹ ytic Vegetation ¹ (Ex	

OIL			PHS#	729	96			Sampling Point: 9
rofile Descri	ption: (Describe to tl	he depth	needed to docume	nt the indic	ator or conf	firm the abse	nce of indicators.)	
Depth	Matrix				Features	. 2		
(Inches)	Color (moist)	%	Color (moist)	%	Type	Loc ²	Texture	Remarks
0-4	7.5YR 2.5/2	90	7.5YR 5/8	5	<u> </u>	PL	Silt Loam	Fine
0-4			7.5YR 5/8	5	<u> </u>	M	Silt Loam	Fine
4-12	10YR 4/3	90	5YR 4/6	10	<u> </u>	M	Silty Clay Loam	Medium
Гуре: C=Con	centration, D=Depletio	on, RM=Re	educed Matrix, CS=	Covered or	Coated Sand	I Grains.		² Location: PL=Pore Lining, M=Matrix.
•	Indicators: (Applie	-					Indica	ators for Problematic Hydric Soils ³ :
-	Histosol (A1)				Sandy Redox	(S5)		2 cm Muck (A10)
	Histic Epipedon (A2)				Stripped Matr			Red Parent Material (TF2)
	Black Histic (A3)				• •	` '	(except MLRA 1)	Very Shallow Dark Surface (TF12)
	` ,				-	d Matrix (F2)	(0x00pt <u>=</u>)	
	Hydrogen Sulfide (A4)		• 440			` '		Other (explain in Remarks)
	Depleted Below Dark	,	A11)		Depleted Mat	, ,		
	Thick Dark Surface (A	(12)		<u>X</u> F	Redox Dark S	Surface (F6)		³ Indicators of hydrophytic vegetation and wetland
	Sandy Mucky Mineral	(S1)			Depleted Dar	k Surface (F7		hydrology must be present, unless disturbed or
	Sandy Gleyed Matrix ((S4)		F	Redox Depre	ssions (F8)		problematic.
estrictive	Layer (if present):							
ype:								
11								
Depth (inches	s):						Hydric Soil Pres	ent? Yes X No No
epth (inches							Hydric Soil Pres	eent? Yes <u>X</u> No
emarks: IYDROLO Vetland Hy	GY drology Indicators		unitad: abaqk all th	not apply)			Hydric Soil Pres	
emarks: IYDROLO Vetland Hy	GY drology Indicators cators (minimum of		uired; check all th			d Logues (RO)		Secondary Indicators (2 or more required
Pepth (inches emarks: IYDROLO Vetland Hy	drology Indicators cators (minimum of Surface Water (A1)	f one req	uired; check all th	\	Vater stained		Hydric Soil Pres	
epth (inchesemarks: IYDROLO Jetland Hy rimary India	GY drology Indicators cators (minimum of	f one req	uired; check all th	\\ 1	, 2, 4A, and	4B)		Secondary Indicators (2 or more required Water stained Leaves (B9)
epth (inches emarks: IYDROLO /etland Hy rimary India	drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2	f one req	uired; check all th	\ 	, 2 , 4A , and	4B)	(Except MLRA	Secondary Indicators (2 or more required Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B)
emarks: EYDROLO Vetland Hy rimary Indi	drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1)	f one req	uired; check all th		, 2, 4A, and Salt Crust (B' Aquatic Inver	4B) 11) tebrates (B13)	(Except MLRA	Secondary Indicators (2 or more required Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) X Drainage Patterns (B10) Dry-Season Water Table (C2)
epth (inches emarks: IYDROLO /etland Hy rimary India	drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B	f one req	uired; check all th	\ 	, 2 , 4A , and Salt Crust (B' Aquatic Inver Hydrogen Sul	4B) 11) tebrates (B13) fide Odor (C1	(Except MLRA	Secondary Indicators (2 or more required Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) X Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imager
IYDROLO Vetland Hy rimary Indi	drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B Drift Deposits (B3)	f one req	uired; check all th		Salt Crust (Bandalic Crust (Bandalic Inversell Crust Inverse	4B) 11) tebrates (B13) Ifide Odor (C1 zospheres alor	(Except MLRA) ng Living Roots (C3)	Secondary Indicators (2 or more required Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) X Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imager X Geomorphic Position (D2)
emarks: IYDROLO Vetland Hy rimary Indi	drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B Drift Deposits (B3) Algal Mat or Crust (B4	f one req	uired; check all th		A, 2, 4A, and Balt Crust (Balt Crust (Balt Crust (Balt Crust (Balt Crust Inverse) Adjusted Rhiz Dividized Rhiz Presence of F	4B) 11) tebrates (B13) fide Odor (C1 cospheres alor Reduced Iron	(Except MLRA) ng Living Roots (C3) C4)	Secondary Indicators (2 or more required Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) X Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imager X Geomorphic Position (D2) Shallow Aquitard (D3)
emarks: HYDROLO Vetland Hy rrimary India	drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B Drift Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5)	f one req	uired; check all th	X (, 2, 4A, and Salt Crust (B- Aquatic Inver- Hydrogen Sul Dxidized Rhiz Presence of F Recent Iron F	4B) 11) tebrates (B13) Ifide Odor (C1 zospheres alor Reduced Iron (Reduction in P	(Except MLRA) ng Living Roots (C3) C4) owed Soils (C6)	Secondary Indicators (2 or more required Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) X Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imager X Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5)
HYDROLO Vetland Hy rimary Indi	drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B Drift Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (B	f one req) 2) 4)		X C	Aquatic Inverded to the Aquatic Inverded to Aquatic Inverded The Aquatic Inverted The Aquatic	4B) 11) tebrates (B13) Ifide Odor (C1 zospheres alor Reduced Iron of Reduction in Pressed Plants	(Except MLRA) ng Living Roots (C3) (C4) owed Soils (C6) (D1) (LRR A)	Secondary Indicators (2 or more required Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) X Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imager X Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
EYDROLO Vetland Hy Primary India	drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B Drift Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5)	f one req) 2) 4) Aerial Ima	igery (B7)	X C	Aquatic Inverded to the Aquatic Inverded to Aquatic Inverded The Aquatic Inverted The Aquatic	4B) 11) tebrates (B13) Ifide Odor (C1 zospheres alor Reduced Iron (Reduction in P	(Except MLRA) ng Living Roots (C3) (C4) owed Soils (C6) (D1) (LRR A)	Secondary Indicators (2 or more required Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) X Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imager X Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5)
emarks: HYDROLO Vetland Hy rrimary India	drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (B Inundation Visible on A	f one req) 2) 4) Aerial Ima	igery (B7)	X C	Aquatic Inverded to the Aquatic Inverded to Aquatic Inverded The Aquatic Inverted The Aquatic	4B) 11) tebrates (B13) Ifide Odor (C1 zospheres alor Reduced Iron of Reduction in Pressed Plants	(Except MLRA) ng Living Roots (C3) (C4) owed Soils (C6) (D1) (LRR A)	Secondary Indicators (2 or more required Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) X Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imager X Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Pepth (inches emarks: IYDROLO Vetland Hy Primary India X	drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (E Inundation Visible on A Sparsely Vegetated C vations:	f one req) 2) 4) Aerial Ima	igery (B7) urface (B8)	X (C	Aquatic Inversely (Balt Crust (Balt Crust (Balt Crust (Balt Crust (Balt Crust	4B) 11) tebrates (B13) Ifide Odor (C1 zospheres alor Reduced Iron of Reduction in Pressed Plants	(Except MLRA) ng Living Roots (C3) (C4) owed Soils (C6) (D1) (LRR A)	Secondary Indicators (2 or more required Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) X Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imager X Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
emarks: HYDROLO Vetland Hy Primary Indi X ield Obser urface Water	drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (E Inundation Visible on A Sparsely Vegetated C vations: Present? Yes	f one req) 2) 4) Aerial Ima	igery (B7) urface (B8) No <u>X</u>	X (C	Aquatic Inverded to the Aquatic Inverded to Aquatic Inverded The Aquatic Inverded The Aquatic Inverded The Aquatic Inverded The Aquatic Inverded In	4B) 11) tebrates (B13) Ifide Odor (C1 cospheres aloi Reduced Iron of Reduction in Pressed Plants in in Remarks)	(Except MLRA) ng Living Roots (C3) C4) owed Soils (C6) (D1) (LRR A)	Secondary Indicators (2 or more required Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) X Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imager X Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Pepth (inches emarks: IYDROLO Vetland Hy Irimary India X ield Obser urface Water Vater Table P	drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (E Inundation Visible on a Sparsely Vegetated C vations: Present? Yes	f one req) 2) 4) Aerial Ima	igery (B7) urface (B8) No X	X C F F S C C Depth (Depth (Aquatic Inverded to the control of t	4B) 11) tebrates (B13) Ifide Odor (C1 zospheres alor Reduced Iron of Reduction in P ressed Plants in in Remarks)	(Except MLRA) ng Living Roots (C3) C4) owed Soils (C6) (D1) (LRR A)	Secondary Indicators (2 or more required Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) X Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imager X Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Pepth (inches emarks: IYDROLO Vetland Hy Irimary India X ield Obser urface Water Vater Table Paturation Pre	drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (E Inundation Visible on A Sparsely Vegetated C vations: Present? Yes resent? Yes sent? Yes	f one req) 2) 4) Aerial Ima	igery (B7) urface (B8) No <u>X</u>	X C F F S C C Depth (Depth (Aquatic Inverded to the Aquatic Inverded to Aquatic Inverded The Aquatic Inverded The Aquatic Inverded The Aquatic Inverded The Aquatic Inverded In	4B) 11) tebrates (B13) Ifide Odor (C1 cospheres aloi Reduced Iron of Reduction in Pressed Plants in in Remarks)	(Except MLRA) ng Living Roots (C3) C4) owed Soils (C6) (D1) (LRR A)	Secondary Indicators (2 or more required Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) X Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imager X Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Pepth (inches emarks: IYDROLO Vetland Hy Irimary India X ield Obser urface Water Vater Table P	drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (E Inundation Visible on A Sparsely Vegetated C vations: Present? Yes resent? Yes sent? Yes	f one req) 2) 4) Aerial Ima	igery (B7) urface (B8) No X	X C F F S C C Depth (Depth (Aquatic Inverded to the control of t	4B) 11) tebrates (B13) Ifide Odor (C1 zospheres alor Reduced Iron of Reduction in P ressed Plants in in Remarks)	(Except MLRA) ng Living Roots (C3) C4) owed Soils (C6) (D1) (LRR A)	Secondary Indicators (2 or more required Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) X Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imager X Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
ield Obser urface Water //ater Table P aturation Pre rocludes capillar	drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (E Inundation Visible on A Sparsely Vegetated C vations: Present? Yes resent? Yes sent? Yes	f one req) 2) 4) Aerial Ima	ngery (B7) urface (B8) No X No X No X	X C F S C C Depth (Depth (Dept	Aquatic Inverse Salt Crust (Bana Crust (Ba	4B) 11) tebrates (B13) ifide Odor (C1 cospheres alor Reduced Iron Reduction in Pressed Plants in in Remarks) >12 >12	(Except MLRA) ng Living Roots (C3) (C4) owed Soils (C6) (D1) (LRR A) Wetland Hyd	Secondary Indicators (2 or more required Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) X Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imager X Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
ield Obser urface Water //ater Table P aturation Pre rocludes capillar	drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (E Inundation Visible on a Sparsely Vegetated C vations: Present? Yes Iresent? Yes Sent? Yes Type Tringe)	f one req) 2) 4) Aerial Ima	ngery (B7) urface (B8) No X No X No X	X C F S C C Depth (Depth (Dept	Aquatic Inverse Salt Crust (Bana Crust (Ba	4B) 11) tebrates (B13) ifide Odor (C1 cospheres alor Reduced Iron Reduction in Pressed Plants in in Remarks) >12 >12	(Except MLRA) ng Living Roots (C3) (C4) owed Soils (C6) (D1) (LRR A) Wetland Hyd	Secondary Indicators (2 or more required Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) X Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imager X Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
ield Obser urface Water //ater Table P aturation Pre rocludes capillar	drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (E Inundation Visible on a Sparsely Vegetated C vations: Present? Yes Iresent? Yes Sent? Yes Type Tringe)	f one req) 2) 4) Aerial Ima	ngery (B7) urface (B8) No X No X No X	X C F S C C Depth (Depth (Dept	Aquatic Inverse Salt Crust (Bana Crust (Ba	4B) 11) tebrates (B13) ifide Odor (C1 cospheres alor Reduced Iron Reduction in Pressed Plants in in Remarks) >12 >12	(Except MLRA) ng Living Roots (C3) (C4) owed Soils (C6) (D1) (LRR A) Wetland Hyd	Secondary Indicators (2 or more required Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) X Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imager X Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
ield Obser urface Water //ater Table P aturation Pre rocludes capillar	drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (E Inundation Visible on a Sparsely Vegetated C vations: Present? Yes Iresent? Yes Sent? Yes Type Tringe)	f one req) 2) 4) Aerial Ima	ngery (B7) urface (B8) No X No X No X	X C F S C C Depth (Depth (Dept	Aquatic Inverse Salt Crust (Bana Crust (Ba	4B) 11) tebrates (B13) ifide Odor (C1 cospheres alor Reduced Iron Reduction in Pressed Plants in in Remarks) >12 >12	(Except MLRA) ng Living Roots (C3) (C4) owed Soils (C6) (D1) (LRR A) Wetland Hyd	Secondary Indicators (2 or more required Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) X Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imager X Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)

Project/Site:	Sherwood	Industrial	Park	City/County:	Sherwo	od/Wash	ington	Sampling Dat	.e: 9/2 :	2/2021
Applicant/Owner:	OWRA Sh	erwood, l	LLC				State:	OR	Sampling Point:	10
Investigator(s):		JT/CM		Section, To	wnship, Range:		Section 29D	, Township 2S	South, Range 1W	est
Landform (hillslope,	terrace, etc.:)		Depression	on	Local relief (con	cave, conve	ex, none):	Concave	Slope (%):	3
Subregion (LRR):		LRR A	١	Lat:	45.366	3	Long:	-122.8266	Datum:	WGS84
Soil Map Unit Name			Wapato s	ilty clay loam			NWI Class	sification:	None	
Are climatic/hydrolo	gic conditions of	on the site ty	pical for this tim	ne of year?	Yes		No	X (if no, e	explain in Remarks)	
Are vegetation	Soil	or Hy	drology	significantly dist	urbed?	Are "Norn	nal Circumstance	s" present? (Y/N) Y	
Are vegetation	Soil	or Hy	drology	naturally probler	natic? If needed,	explain any	answers in Rem	narks.)		-
		_	<u> </u>	_ ′`				,		
SUMMARY OF	FINDINGS	- Attac	h site map	showing san	npling point	locations	s, transects,	important fe	atures, etc.	
Hydrophytic Vegeta	tion Present?	Yes	X No		Is Sampled Are	oa within				
Hydric Soil Present	?	Yes	X No		a Wetlan		Yes	X	No	_
Wetland Hydrology	Present?	Yes	X No							
lower topograp BPJ that hydrol	hy, or in are ogy is slowly re not condu	as where / being di ucive to re	hydrophytic verted through etaining wate	vegetation and gh stormwater er, nor do they	d hydric soils infrastructure	are prese e and stor	nt. The site is m facilities. T	surrounded b he geomorphi	on water table in by new developm ic position of gra slopes as before	ent. It is our adual upland
VEGETATION	- USE SCIEI	itilic ilali	absolute	Dominant	Indicator	Domina	nce Test work	sheet:		
			% cover	Species?	Status		100 1001 110111	0110011		
Tree Stratum (plo	ot size:)				Number of	f Dominant Speci	es		
1						That are C	DBL, FACW, or FA	AC:	1	_(A)
2										
3							ber of Dominant cross All Strata:		1	(B)
			0	= Total Cover		Species A	CIUSS All Strata.		'	_(B)
0 1: /0! ! 0! .				- rotal Gover						
Sapling/Shrub Strat	<u>um</u> (plot size	e:	_)				Dominant Specie		4009/	(A/D)
						nat are C	DBL, FACW, or F	·AC:	100%	_(A/B)
3						Prevaler	nce Index Wor	ksheet:		
4						Total % Co		Multiply	y by:	
5						OBL	Species	x 1		_
			0	= Total Cover		FACV	V species	x 2	2 = 0	- -
		40)					Species	x 3		-
Herb Stratum (plo	ot size:	10)	100	X	FACW		J Species	x 4		-
2	iuiiiacea		100		FACVV		Species nn Totals	0 (A)	0	(B)
3						Colui	- Totals	<u> </u>		_(5)
4						Prev	ralence Index =B/	'A =	#DIV/0!	
5										•
6						Hydroph	ytic Vegetatio	n Indicators:		
7						_	1-	Rapid Test for H	lydrophytic Vegetatio	on
8						_		Dominance Test		
			100	= Total Cover		_		Prevalence Index	x is ≤ 3.0¹ daptations¹ (provide	supporting
Woody Vine Stratur	n (plot size:)			_			r on a separate shee	
1	_ "		_*					· Wetland Non-Va		,
2						I -	Pı	roblematic Hydro	phytic Vegetation ¹ (E	Explain)
			0	= Total Cover			of hydric soil and or problematic.	d wetland hydrolo	gy must be present,	unless
% Bare Ground in F	lerb Stratum		0			Hydroph Vegetati	on	Yes X	C No	
Remarks:						Present'	?			
Fraxinus latifoli	a (FACW) is	less than	1%.							

Profile Descript Depth (Inches) 0-13 0-13	tion: (Describe to to Matrix Color (moist) 10YR 3/2	% 95	Color (moist)	nt the indic		firm the absen			
(Inches) 0-13	Color (moist)		Color (moist)	Redox	Contures		ice of indicators.)		
0-13			Color (moist)			. 2			
	10YR 3/2	95		%	Type	Loc ²	Texture	Remarks	
0-13			10YR 4/6	3	<u> </u>	<u> </u>	Silt Loam	Fine	
			10YR 4/6	2	<u> </u>	PL_	Silt Loam	Fine	
								<u> </u>	
								<u> </u>	
•	entration, D=Depletion	-						² Location: PL=Pore Lining, M=I	
-	ndicators: (Appli	cable to	all LRRs, unles				Indic	cators for Problematic Hydri	
	istosol (A1)				Sandy Redox			2 cm Muck (A10)	
	istic Epipedon (A2)			$\overline{}$	Stripped Mati	` ,		Red Parent Mater	, ,
	lack Histic (A3)					y Mineral (F1) (except MLRA 1)	Very Shallow Darl	
	ydrogen Sulfide (A4)					d Matrix (F2)		Other (explain in F	Remarks)
De	epleted Below Dark	Surface (A11)		Depleted Mat				
	hick Dark Surface (A	•			Redox Dark S	` ,		³ Indicators of hydrophytic vegeta	ation and wetland
	andy Mucky Mineral				•	rk Surface (F7)		hydrology must be present, un	
S	andy Gleyed Matrix ((S4)			Redox Depre	essions (F8)		problematic.	
Restrictive La	ayer (if present):								
уре:					_				
epth (inches):							Hydric Soil Pre	sent? Yes X	No
YDROLOG	SY rology Indicators	s:							
_	ators (minimum of		uired: check all th	hat annly)				Secondary Indicators (2 or	more required)
	urface Water (A1)	1 0110 100	quired, ericon un ti		Nater stained	d Leaves (B9) (Except MLRA	Water stained Lea	· · · · ·
	igh Water Table (A2	2)			I, 2, 4A, and			(MLRA1, 2, 4A, a	
	aturation (A3)	.,		;	Salt Crust (B	11)		Drainage Patterns	s (B10)
	/ater Marks (B1)				-	tebrates (B13)		Dry-Season Wate	
	ediment Deposits (B	(2)			•	lfide Odor (C1)			on Aerial Imagery
D:	rift Deposits (B3)			X	Oxidized Rhiz	zospheres alon	g Living Roots (C3)	X Geomorphic Posit	tion (D2)
Al	lgal Mat or Crust (B4	1)			Presence of I	Reduced Iron (0	C4)	Shallow Aquitard	(D3)
Iro	on Deposits (B5)				Recent Iron F	Reduction in Plo	owed Soils (C6)	X Fac-Neutral Test	(D5)
Sı	urface Soil Cracks (I	B6)			Stunted or St	ressed Plants ((D1) (LRR A)	X Raised Ant Mound	ds (D6) (LRR A)
In	undation Visible on	Aerial Ima	agery (B7)		Other (Explai	n in Remarks)		Frost-Heave Hum	mocks (D7)
S _I	parsely Vegetated C	oncave S	urface (B8)						
ield Observa	ations:								
	Present? Yes		No X	Depth (inches):				
Surface Water F	ant? Van		No <u>X</u>	Depth (inches):	>13	Wetland Hyd	drology Present?	
	esent? Yes		Nia V	Depth (inches):	>13		Yes X	No
Water Table Pre Saturation Prese	ent? Yes		No <u>X</u>						
Surface Water P Water Table Pre Saturation Prese includes capillary	ent? Yes fringe)	lide mon		notos previo	nus inspectio	ins) if available	<u> </u>		NO
Water Table Pre Saturation Prese includes capillary	ent? Yes	uge, mon		notos, previo	ous inspectio	ns), if available	:		NO
Water Table Pre Saturation Prese includes capillary	ent? Yes fringe)	uge, mon		notos, previo	ous inspectio	ns), if available	<u> </u> ::		NO

7296

Project/Site:	Sherwood I	ndustria	l Park	City/County:	Sherwo	ood/Washington	Samp	oling Date:	9/22	/2021
Applicant/Owner:	OWRA Sh	erwood,	LLC			State	: OR	_	Sampling Point:	11
Investigator(s):	'-	JT/CM		Section, To	wnship, Range:	Section 2	9D, Towns	- ship 2Sout	h, Range 1We	est
Landform (hillslope	e, terrace, etc.:)		Slope	-	Local relief (cor	ncave, convex, none):	N	lone	Slope (%):	3
Subregion (LRR):		LRR	A	Lat:	45.366	54 Long	g: -12	2.8266	Datum:	WGS84
Soil Map Unit Nam	ie:		Wapato s	ilty clay loam		NWIC	Classification	:	None	
Are climatic/hydrolo	ogic conditions o	n the site	typical for this tim	ne of year?	Yes	N	oX	(if no, expla	in in Remarks)	
Are vegetation	Soil	or H	ydrology	significantly dist	urbed?	Are "Normal Circumsta	nces" preser	nt? (Y/N)	Y	
Are vegetation	Soil	or H	ydrology	naturally proble	matic? If needed	, explain any answers in F	Remarks.)			
-		_								
SUMMARY O	F FINDINGS	– Atta	ch site map	showing san	npling point	locations, transec	ts, impor	tant featu	res, etc.	
Hydrophytic Vegeta	ation Present?	Yes -	X No		Is Sampled Ar	ea within				
Hydric Soil Present	t?	Yes -	No	X	a Wetlar		s	_ ^	lo X	
Wetland Hydrology	Present?	Yes	No	X						
lower topograp that hydrology on site are not	ohy, or in area is slowly beir conducive to	s where ig divert retainin	hydrophytic v ed through st g water, nor d	vegetation and cormwater infra lo they receive	l hydric soils a astructure and	we make sure to eva are present. The site I storm facilities. The eet flow from pervior	is surrour e geomorp	nded by ne hic positio	w developme on of gradual	nt. It is our BP、
VEGETATION	l - Use scien	tific na	•			1				
			absolute % cover	Dominant Species?	Indicator Status	Dominance Test w	orksheet:			
Tree Stratum (p	lot size:)			Number of Dominant S	pecies			
1						That are OBL, FACW, o	or FAC:		3	(A)
2										
3						Total Number of Domin	ant			
4						Species Across All Stra	ta:		3	(B)
			0	= Total Cover						
Sapling/Shrub Stra	atum (plot size	: 15)			Percent of Dominant Sp	oecies			
1 Rubus arme	eniacus		50	X	FAC	That are OBL, FACW,	or FAC:	1	00%	(A/B)
2 Rubus lacin	niatus		5		FACU					
3 Crataegus n	nonogyna		2		FAC	Prevalence Index V	Vorksheet	:		
4						Total % Cover of	_	Multiply by:	_	
5						OBL Species		_ x1=	0	
			57	= Total Cover		FACW species FAC Species	65	x 2 = x 3 =	0 195	
Herb Stratum (p	lot size:	10)			FACU Species	70	x 4 =	280	
1 Dipsacus fu			60	Х	FAC	UPL Species	20	x 5 =	100	
2 Agrostis ca			30	X	FAC	Column Totals	155	(A)	575	(B)
3 Phalaris aru	ındinacea		10		FACW			_		
						Prevalence Index	=B/A =	;	3.71	
4										
5										
						Hydrophytic Vegeta	ation Indic	ators:		
5						Hydrophytic Veget			phytic Vegetatior	1
5 6						Hydrophytic Vegeta	1- Rapid T 2- Domina	est for Hydro	50%	1
5 6 7			100	= Total Cover			1- Rapid T 2- Domina 3-Prevaler	est for Hydro nce Test is > nce Index is ≤	50% 3.0 ¹	
5 6 7 8	um (blat size:		100	= Total Cover			1- Rapid T 2- Domina 3-Prevalen 4-Morpholo	est for Hydro nce Test is > nce Index is ≤ ogical Adapta	50% 3.0¹ tions¹ (provide s	upporting
5 6 7 8 Woody Vine Stratu	ı <u>m</u> (plot size:		100	= Total Cover			1- Rapid T 2- Domina 3-Prevaler 4-Morpholo data in Rei	est for Hydro nce Test is > nce Index is ≤ ogical Adapta marks or on a	50% 3.0 ¹ tions ¹ (provide s	upporting
5 6 7 8 Woody Vine Stratu	ı <u>m</u> (plot size:		100	= Total Cover			1- Rapid T 2- Domina 3-Prevalen 4-Morpholo data in Rei 5- Wetland	est for Hydro nce Test is > nce Index is ≤ ogical Adapta marks or on a I Non-Vascul	50% 3.0 ¹ tions ¹ (provide s a separate sheet) ar Plants ¹	upporting
5 6 7 8 Woody Vine Stratu	um (plot size:		100	= Total Cover			1- Rapid T 2- Domina 3-Prevaler 4-Morpholo data in Rei 5- Wetland Problemati	est for Hydro nce Test is >: nce Index is ≤ pogical Adapta marks or on a I Non-Vascul ic Hydrophyti	50% 3.0 ¹ tions ¹ (provide s a separate sheet) ar Plants ¹ c Vegetation ¹ (E)	upporting (xplain)
5 6 7 8 Woody Vine Stratu			_)			X Indicators of hydric soil	1- Rapid T 2- Domina 3-Prevaler 4-Morpholo data in Rei 5- Wetland Problemati	est for Hydro nce Test is > nce Index is ≤ ogical Adapta marks or on a I Non-Vascul ic Hydrophyti I hydrology m	50% 3.0 ¹ tions ¹ (provide s a separate sheet) ar Plants ¹ c Vegetation ¹ (E)	upporting (xplain)

Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (F1) (except MLRA 1) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (F3) Endow Dark Surface (F6) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Redox Dark Surface (F7) Sandy Gleyed Matrix (S4) Redox Dark Surface (F7) Redox Depressions (F8) Restrictive Layer (if present): Type: Depth (inches): Hydric Soil Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No X Depth (inches): Valer Marks (B1) Mater Table Present? Yes No X Depth (inches): No X Depth (inches): Wetland	Remarks
Color (moist)	² Location: PL=Pore Lining, M=Matrix.
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Histosol (A1) Histosol (A1) Histosol (A2) Black Histic (A3) Loamy Mucky Mineral (F1) (except MLRA 1) Hydrogen Sulfide (A4) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (B1) Sandy Gleyed Matrix (F3) Redox Dark Surface (F7) Sandy Gleyed Matrix (S4) Restrictive Layer (if present): Type: Depth (inches): Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Agal Mat or Crust (B4) Iron Deposits (B3) Surface Soil Cracks (B6) Surface Soil Cracks (B6) Surface Soil Cracks (B6) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Table Present? Yes No X Depth (inches): Soil Research (A2) Metant Table Present? Yes No X Depth (inches): Soil Research (Cale Soil Cracks (B4) Wetlance Water Present? Yes No X Depth (inches): Soil Research (Cale Soil Cracks (B6) Wetlance Water Present? Yes No X Depth (inches): Soil Research (Cale Soil Cracks (B4) Wetlance Water Present? Yes No X Depth (inches): Soil Research (Cale Soil Cracks (B4) Wetlance Water Present? Yes No X Depth (inches): Soil Research (Cale Soil Cracks (B4) Wetlance Water Present? Yes No X Depth (inches): Soil Research (Cale Soil Cracks (B4) Wetlance Water Present? Yes No X Depth (inches): Soil Research (Cale Soil Cracks (B4) Wetlance Water Present? Yes No X Depth (inches): Soil Research (Cale Soil Cale S	² Location: PL=Pore Lining, M=Matrix.
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histoso(A1) Histoso(A2) Sandy Redox (S5) Histosophed Matrix (S6) Black Histic (A3) Loamy Mucky Mineral (F1) (except MLRA 1) Hydrogen Sulfide (A4) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (F1) Sandy Mucky Mineral (F1) Sandy Gleyed Matrix (F2) Depleted Dark Surface (F6) Sandy Mucky Mineral (F1) Sandy Gleyed Matrix (S4) Redox Depressions (F8) Restrictive Layer (if present): Type: Depth (inches): Hydric Soil Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Oxidized Rhizospheres along Living Roots Algal Mat or Cruz (B4) Iron Deposits (B5) Recent Iron Reduction in Plowed Soils (C6 Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No X Depth (inches): >Yell (Check (Charles)) Present (Check (Charles)) Present (Check (Che	² Location: PL=Pore Lining, M=Matrix.
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Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Redox Depressions (F8) Hydric Soil Record MLRA In Unique Mater (A1) Aquatic Invertebrates (B9) (Except MLRA In Unique Mater (A1) Aquatic Invertebrates (B13) Aquatic Invertebrates (B13) Aquatic Invertebrates (B13) Algal Mat or Crust (B4) Algal Mat or C	
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Restrictive Layer (if present): Type: Depth (inches): Hydric Soil H	³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or
Pepth (inches): Hydric Soil	problematic.
Pepth (inches): Page	
Pepth (inches): Hydric Soil	
AYDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Salt Crust (B11) Water Marks (B1) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Field Observations: Field Observations: Field Observations: Field Present? Yes No X Depth (inches): Vater Table Present?	
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Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots Presence of Reduced Iron (C4) Recent Iron Reduction in Plowed Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No X Depth (inches): Wetland	Water stained Leaves (B9)
Salt Crust (B11) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No X Depth (inches): Vater Table Present? Yes No X Depth (inches): Salt Crust (B11) Aquatic Invertebrates (B13) Aquatic Invertebrates (B12) Aquatic Invertebrates (B12) Appleaded Anizotral Invertebrates (B13) Adjustic Invertebrates (B12) Appleaded Anizotral Invertebrates (B13) Appleade	(MLRA1, 2, 4A, and 4B)
Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No X Depth (inches): Vater Table Present? Yes No X Depth (inches): Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots Presence of Reduced Iron (C4) Recent Iron Reduction in Plowed Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) Depth (inches): Vettar Table Present? Yes No X Depth (inches): Vettar Table Present? Yes No X Depth (inches): Vettar Table Present?	Drainage Patterns (B10)
Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Field Observations: Field Present? Yes No X Depth (inches): Vater Table Present? Yes No X Depth (inches): No X Depth (inches): No X Depth (inches): No X Depth (inches): No X	
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Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: urface Water Present? Yes No X Depth (inches): Vater Table Present? Yes No X Depth (inches): >16 Wetland	C3) Geomorphic Position (D2)
Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Tield Observations: urface Water Present? Yes No X Depth (inches): Vater Table Present? Yes No X Depth (inches): >16 Wetland	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Furface Water Present? Yes No X Depth (inches): Vater Table Present? Yes No X Depth (inches): >16 Wetland	
Sparsely Vegetated Concave Surface (B8) Field Observations: surface Water Present? Yes No X Depth (inches): Vater Table Present? Yes No X Depth (inches): >16 Wetland	Fac-Neutral Test (D5)
Field Observations: Surface Water Present? Yes No X Depth (inches): Vater Table Present? Yes No X Depth (inches): >16 Wetland	Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Surface Water Present? Yes No X Depth (inches): Water Table Present? Yes No X Depth (inches): >16 Wetland	
Surface Water Present? Yes No X Depth (inches): Water Table Present? Yes No X Depth (inches): >16 Wetland	Raised Ant Mounds (D6) (LRR A)
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	Raised Ant Mounds (D6) (LRR A)
	Raised Ant Mounds (D6) (LRR A)
Saturation Present? Yes No X Depth (inches): >16	Raised Ant Mounds (D6) (LRR A)
includes capillary fringe)	Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) Hydrology Present?
	Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) Hydrology Present?
	Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) Hydrology Present?
<u>.</u>	Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) Hydrology Present?
emarks:	Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) Hydrology Present?

PHS # 7296

Project/Site:	Sherwood In	ndustria	l Park	City/County:	Sherwo	ood/Washington	Sampling Date	9/22/	2021
Applicant/Owner:	OWRA She	erwood,	LLC			State:	OR	Sampling Point:	12
Investigator(s):		JT/CM		Section, To	wnship, Range:	Section 29D	, Township 2So	outh, Range 1We	st
Landform (hillslope,	terrace, etc.:)		Depressi	on	Local relief (cor	ncave, convex, none):	Concave	Slope (%):	2
Subregion (LRR):		LRR A	4	Lat:	45.366	52 Long:	-122.8286	Datum:	WGS84
Soil Map Unit Name	:		Wapato	silty clay loam		NWI Clas	ssification:	None	
Are climatic/hydrolog	gic conditions or	n the site t	ypical for this tir	ne of year?	Yes	No	X (if no, ex	plain in Remarks)	
Are vegetation	Soil	or Hy	/drology	significantly dist	urbed?	Are "Normal Circumstance	es" present? (Y/N)	Y	
Are vegetation	Soil	or Hy	/drology	naturally probler	matic? If needed	, explain any answers in Ren	narks.)		
		_							
					npling point	locations, transects,	important fea	atures, etc.	
Hydrophytic Vegetat		Yes _	X No		Is Sampled Ar	ea within			
Hydric Soil Present?	?	Yes _	X No		a Wetlan		<u> </u>	No	
Wetland Hydrology	Present?	Yes _	X No						
lower topograph that hydrology is	ny, or in areas s slowly bein conducive to	s where g diverte retaining	hydrophytic ed through s g water, nor o	vegetation and tormwater infra do they receive	I hydric soils a astructure and	we make sure to evalua are present. The site is I storm facilities. The g eet flow from pervious	surrounded by eomorphic pos	new developmen ition of gradual u	t. It is our BPJ
VEGETATION	- 030 301011	ino na	absolute	Dominant	Indicator	Dominance Test work	sheet:		
			% cover	Species?	Status				
Tree Stratum (plo	ot size:)				Number of Dominant Spec			
1						That are OBL, FACW, or F	AC:	(/	A)
3						Total Number of Deminent			
3						Total Number of Dominant Species Across All Strata:		1 (В)
<u> </u>			0	= Total Cover		Species Across Air Strata.		(J)
C!/Ch				- Total Gover					
Sapling/Shrub Strate	<u>um</u> (plot size	·	_)			Percent of Dominant Speci		4000/	A /D)
1						That are OBL, FACW, or F	-AC:	100% (A/B)
3						Prevalence Index Wor	rksheet:		
4						Total % Cover of	Multiply	bv:	
5						OBL Species	x 1		
			0	= Total Cover		FACW species	x 2	= 0	
						FAC Species	65 x 3	= 195	
		10)				FACU Species	70 × 4		
1 Phalaris arui			85	X	FACW	UPL Species	20 x 5		- \
2 Cirsium arve 3 Dipsacus ful			<u>15</u> 5		FAC FAC	Column Totals	155 (A)	<u>575</u> (i	3)
4	ionum				FAC	Prevalence Index =B	/A =	3.71	
5						T TOTAL STILL STATE OF THE STAT			
6						Hydrophytic Vegetation	on Indicators:		
7						1	- Rapid Test for Hy	drophytic Vegetation	
8						X 2	- Dominance Test	is >50%	
			105	= Total Cover			-Prevalence Index -Morphological Ada	is ≤ 3.0 ¹ aptations¹ (provide su	pporting
Woody Vine Stratun	n (plot size:		_)			d	ata in Remarks or	on a separate sheet)	
1							- Wetland Non-Vas		
2								hytic Vegetation ¹ (Ex	•
			0	= Total Cover		Indicators of hydric soil an disturbed or problematic.	d wetland hydrolog	y must be present, ur	nless
% Bare Ground in H	lerb Stratum		0			Hydrophytic Vegetation	Yes X	No	
						Present?			
Remarks:									

			PHS#	729				Sampling Point: 12
Profile Desc	ription: (Describe to th	he depth i	needed to docume	nt the indic	ator or con	firm the absen	ce of indicators.)	
Depth	Matrix				Features	. 2		
(Inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-6	10YR 3/2	100					Silt Loam	
6-12	10YR 3/2	85	7.5YR 4/6	10	С	M	Silt Loam	Coarse
6-12			7.5YR 4/6	5	С	PL	Silt Loam	Medium
	· ——							
	·							
	·							
	· ·							·
	ncentration, D=Depletio							² Location: PL=Pore Lining, M=Matrix.
lydric Soil	Indicators: (Applie	cable to	all LRRs, unles				Indic	cators for Problematic Hydric Soils ³ :
	Histosol (A1)				Sandy Redox			2 cm Muck (A10)
	Histic Epipedon (A2)				Stripped Mat	` '		Red Parent Material (TF2)
	Black Histic (A3)				•	y Mineral (F1) (except MLRA 1)	Very Shallow Dark Surface (TF12)
	Hydrogen Sulfide (A4))			oamy Gleye	ed Matrix (F2)		Other (explain in Remarks)
	Depleted Below Dark	Surface (A	A11)		epleted Ma	trix (F3)		
	Thick Dark Surface (A	.12)		XF	Redox Dark	Surface (F6)		3
	Sandy Mucky Mineral	(S1)			epleted Da	rk Surface (F7)		³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or
	Sandy Gleyed Matrix ((S4)		F	Redox Depre	essions (F8)		problematic.
Restrictive	Layer (if present):							
vpe:								
• •	es):						Hvdric Soil Pre	sent? Yes X No
Depth (inche	es):						Hydric Soil Pre	sent? Yes X No
Depth (inche	<u> </u>						Hydric Soil Pre	sent? Yes <u>X</u> No
Depth (inche Remarks:	<u> </u>	s:					Hydric Soil Pre	sent? Yes X No
Depth (inche Remarks: HYDROLO Wetland Hy	DGY		uired; check all tl	nat apply)			Hydric Soil Pre	Secondary Indicators (2 or more required)
Depth (inche Remarks: HYDROLO Vetland Hy	DGY ydrology Indicators		uired; check all tl	V		d Leaves (B9) (Secondary Indicators (2 or more required) Water stained Leaves (B9)
Depth (inche Remarks: HYDROLO Vetland Hy	OGY ydrology Indicators icators (minimum of	one req	uired; check all tl	V	Vater staine			Secondary Indicators (2 or more required)
Depth (inche Remarks: HYDROLO Vetland Hy	OGY ydrology Indicators icators (minimum of Surface Water (A1)	one req	uired; check all tl	V		14B)		Secondary Indicators (2 or more required) Water stained Leaves (B9)
Depth (inche Remarks: HYDROLO Vetland Hy	OGY /drology Indicators icators (minimum of Surface Water (A1) High Water Table (A2	one req	uired; check all tl	V 1	, 2, 4A, and Salt Crust (B	14B)		Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B)
Depth (inche demarks: HYDROLO Vetland Hy	OGY /drology Indicators icators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3)	one req	uired; check all tl	V 1 S	, 2, 4A, and Salt Crust (B Aquatic Inve	1 4B) 11)	Except MLRA	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery
Depth (inche Remarks: HYDROLO Vetland Hy	OGY ydrology Indicators icators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1)	one req	uired; check all tl	V 1	, 2 , 4A , and Salt Crust (B Aquatic Inver Hydrogen Su Oxidized Rhi	14B) 11) tebrates (B13) lifide Odor (C1) zospheres alon	Except MLRA g Living Roots (C3)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)
Depth (inche Remarks: HYDROLO Vetland Hy	JOGY Jorology Indicators icators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B	one req	uired; check all tl	V 1 1 S S A A C A C A C A C A C A C A C A C A	, 2, 4A, and Galt Crust (B Aquatic Invel Hydrogen Su Oxidized Rhi Presence of	14B) 11) tebrates (B13) lifide Odor (C1) zospheres alon Reduced Iron (Except MLRA g Living Roots (C3) C4)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (X) Geomorphic Position (D2) Shallow Aquitard (D3)
Depth (inche Remarks: HYDROLO Vetland Hy	DGY /drology Indicators icators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B Drift Deposits (B3)	one req	uired; check all th	V 1 1 S A A A A A A A A A A A A A A A A A	, 2, 4A, and Salt Crust (B Aquatic Inversely Hydrogen Su Oxidized Rhi Presence of Recent Iron F	14B) 11) tebrates (B13) lifide Odor (C1) zospheres alon Reduced Iron (G) Reduction in Pla	Except MLRA g Living Roots (C3) C4) owed Soils (C6)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (X) Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5)
Depth (inche Remarks: HYDROLO Vetland Hy	pogy ydrology Indicators icators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4	one req	uired; check all tl	V 1 1 S A A A A A A A A A A A A A A A A A	, 2, 4A, and Salt Crust (B Aquatic Inversely Hydrogen Su Oxidized Rhi Presence of Recent Iron F	14B) 11) tebrates (B13) lifide Odor (C1) zospheres alon Reduced Iron (Except MLRA g Living Roots (C3) C4) owed Soils (C6)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (X) Geomorphic Position (D2) Shallow Aquitard (D3)
Depth (inche Remarks: HYDROLO Vetland Hy	JOGY /drology Indicators icators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (E) Inundation Visible on A	one req) 2) 36) Aerial Ima	gery (B7)	V 1 1 S A A A C C F F S S	a, 2, 4A, and salt Crust (B aquatic Inversely drogen Su existence of Recent Iron Featured or Stantage 2, 4A, and a salt Crust Iron Featured or Stantage 2, 4A, and a salt Crust Iron Featured or Stantage 2, 4A, and a salt Crust Iron Featured or Stantage 2, 4A, and a salt Crust Iron Featured or Stantage 2, 4A, and a salt Crust Iron Featured or Stantage 2, 4A, and a salt Crust Iron Featured 2, 4A, and a salt Crus	14B) 11) tebrates (B13) lifide Odor (C1) zospheres alon Reduced Iron (G) Reduction in Pla	Except MLRA g Living Roots (C3) C4) owed Soils (C6)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (X) Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5)
Depth (inche Remarks: HYDROLO Wetland Hy	JOGY Jorology Indicators J	one req) 2) 36) Aerial Ima	gery (B7)	V 1 1 S A A A C C F F S S	a, 2, 4A, and salt Crust (B aquatic Inversely drogen Su existence of Recent Iron Featured or Stantage 2, 4A, and a salt Crust Iron Featured or Stantage 2, 4A, and a salt Crust Iron Featured or Stantage 2, 4A, and a salt Crust Iron Featured or Stantage 2, 4A, and a salt Crust Iron Featured or Stantage 2, 4A, and a salt Crust Iron Featured or Stantage 2, 4A, and a salt Crust Iron Featured 2, 4A, and a salt Crus	14B) 11) tebrates (B13) lifide Odor (C1) zospheres alon Reduced Iron (Reduction in Plateressed Plants	Except MLRA g Living Roots (C3) C4) owed Soils (C6)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (X) Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Depth (inche Remarks: HYDROLC Wetland Hy Primary Ind	JOGY Idrology Indicators Idr	one req) 2) 36) Aerial Ima	gery (B7)	V 1 1 S A A A C C F F S S	a, 2, 4A, and salt Crust (B aquatic Inversely drogen Su existence of Recent Iron Featured or Stantage 2, 4A, and a salt Crust Iron Featured or Stantage 2, 4A, and a salt Crust Iron Featured or Stantage 2, 4A, and a salt Crust Iron Featured or Stantage 2, 4A, and a salt Crust Iron Featured or Stantage 2, 4A, and a salt Crust Iron Featured or Stantage 2, 4A, and a salt Crust Iron Featured 2, 4A, and a salt Crus	14B) 11) tebrates (B13) lifide Odor (C1) zospheres alon Reduced Iron (Reduction in Plateressed Plants	Except MLRA g Living Roots (C3) C4) owed Soils (C6)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (X Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
	JOGY /drology Indicators icators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (E) Inundation Visible on A Sparsely Vegetated Corvations:	one req) 2) 36) Aerial Ima	gery (B7)	V 1 1 S A A A C C F F S S	a, 2, 4A, and call Crust (B equatic Inversely Crust (B equatic Inversely Crust (B equatic Inversely Crusted Inversely Crusted or State (Explain Control of State (Explain Cont	14B) 11) tebrates (B13) lifide Odor (C1) zospheres alon Reduced Iron (Reduction in Plateressed Plants	Except MLRA g Living Roots (C3) C4) owed Soils (C6)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (X Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Depth (inche Remarks: HYDROLO Wetland Hy Primary Ind	DGY ydrology Indicators icators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (E Inundation Visible on A Sparsely Vegetated Corvations:	one req) 2) 36) Aerial Ima	gery (B7) urface (B8)	X C	c, 2, 4A, and salt Crust (B Aquatic Inverted Aydrogen Su Dxidized Rhi Presence of Recent Iron Fotunted or Si Dther (Explanation):	14B) 11) tebrates (B13) lifide Odor (C1) zospheres alon Reduced Iron (Reduction in Plateressed Plants	g Living Roots (C3) C4) owed Soils (C6) D1) (LRR A)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (X Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Primary Ind Field Obse Surface Water Table Saturation Property Index	DGY Idrology Indicators Icators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (E Inundation Visible on A Sparsely Vegetated C Invations: In Present? Yes Investment Ves	one req) 2) 36) Aerial Ima	gery (B7) urface (B8) No <u>X</u>	V 1 S A A C F F S C C Depth (i	a, 2, 4A, and salt Crust (B aquatic Inverse of Recent Iron Founted or Signature (Explainments):	14B) 11) Itebrates (B13) Iffide Odor (C1) zospheres alon Reduced Iron (in Reduction in Plettressed Plants (in in Remarks)	g Living Roots (C3) C4) owed Soils (C6) D1) (LRR A)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (X Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Primary Ind Field Obse Surface Water Water Table Is Saturation Princludes capilla	icators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (E Inundation Visible on A Sparsely Vegetated Corvations: or Present? Yes	cone required ()	gery (B7) urface (B8) No	V 1 S A A B X C B B C Depth (i Depth (i	a, 2, 4A, and salt Crust (B equatic Inverse of Recent Iron Featunted or State of Explances): nches): nches): nches):	14B) 11) tebrates (B13) lifide Odor (C1) zospheres alon Reduced Iron (i Reduction in Pletressed Plants (i in in Remarks) >12 >12	g Living Roots (C3) C4) bwed Soils (C6) D1) (LRR A) Wetland Hyd	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (X Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Primary Ind Field Obse Surface Water Water Table Is Saturation Princludes capilla	DGY Idrology Indicators Icators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (E Inundation Visible on A Sparsely Vegetated C Invations: In Present? Yes Investment Ves	cone required ()	gery (B7) urface (B8) No	V 1 S A A B X C B B C Depth (i Depth (i	a, 2, 4A, and salt Crust (B equatic Inverse of Recent Iron Featunted or State of Explances): nches): nches): nches):	14B) 11) tebrates (B13) lifide Odor (C1) zospheres alon Reduced Iron (i Reduction in Pletressed Plants (i in in Remarks) >12 >12	g Living Roots (C3) C4) bwed Soils (C6) D1) (LRR A) Wetland Hyd	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (X Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Primary Ind Field Obse Surface Water Water Table Is Saturation Princludes capilla	icators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (E Inundation Visible on A Sparsely Vegetated Corvations: or Present? Yes	cone required ()	gery (B7) urface (B8) No	V 1 S A A B X C B B C Depth (i Depth (i	a, 2, 4A, and salt Crust (B equatic Inverse of Recent Iron Featunted or State of Explances): nches): nches): nches):	14B) 11) tebrates (B13) lifide Odor (C1) zospheres alon Reduced Iron (i Reduction in Pletressed Plants (i in in Remarks) >12 >12	g Living Roots (C3) C4) bwed Soils (C6) D1) (LRR A) Wetland Hyd	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (X Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Primary Ind Field Obse Surface Water Table Is Saturation Principles capilla	icators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (E Inundation Visible on A Sparsely Vegetated Corvations: or Present? Yes	cone required ()	gery (B7) urface (B8) No	V 1 S A A B X C B B C Depth (i Depth (i	a, 2, 4A, and salt Crust (B equatic Inverse of Recent Iron Featunted or State of Explances): nches): nches): nches):	14B) 11) tebrates (B13) lifide Odor (C1) zospheres alon Reduced Iron (i Reduction in Pletressed Plants (i in in Remarks) >12 >12	g Living Roots (C3) C4) bwed Soils (C6) D1) (LRR A) Wetland Hyd	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (X Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)

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Project/Site:	Sherwood I	ndustria	al Park	City/County:	Sherwe	ood/Washir	ngton	Samp	ling Date:	9/2	2/2021
Applicant/Owner:	OWRA Sh	erwood,	LLC				State:	OR	_	Sampling Point	13
Investigator(s):	'	JT/CM		Section, To	wnship, Range:		Section 29	D, Towns	hip 2Sou	th, Range 1W	/est
Landform (hillslope	, terrace, etc.:)		Slope		Local relief (cor	ncave, conve	k, none):	N	one	Slope (%):	10
Subregion (LRR):		LRR	Α	Lat:	45.360	62	Long:	-12	2.8287	Datum:	WGS84
Soil Map Unit Name	e:		Wapato si	ity clay loam			NWI CI	assification:		None	
Are climatic/hydrolo	ogic conditions o	n the site	typical for this time	e of year?	Yes		No	X	(if no, expl	ain in Remarks)	
Are vegetation	Soil	or H	lydrology	significantly dist	urbed?	Are "Norma	al Circumstar	ces" presen	it? (Y/N)	Y	
Are vegetation	Soil	or H	lydrology	naturally proble	matic? If needed	l, explain any	answers in R	emarks.)			_
				-							
SUMMARY OF	FINDINGS	– Atta	ch site map s	showing san	npling point	locations	, transect	s, import	ant feat	ures, etc.	
Hydrophytic Vegeta	ation Present?	Yes .	X No		Is Sampled Ar	ea within					
Hydric Soil Present	?	Yes .	No	X	a Wetlar		Yes			No X	_
Wetland Hydrology	Present?	Yes	No No	X							
	hy, or in area is slowly beir conducive to	s where ig divert retainin	ted through sto	egetation and ormwater infra o they receive	I hydric soils a structure and	are present d storm fac	. The site i ilities. The	s surroun geomorp	ded by no hic positi	ew developm on of gradual	ent. It is our BP.
VEGETATION	- 030 301011	tine na	absolute	Dominant	Indicator	Dominan	ce Test wo	rksheet:			
			% cover	Species?	Status						
<u>Tree Stratum</u> (pl	ot size:)				Dominant Sp				
1						That are OE	BL, FACW, or	FAC:		4	_(A)
2						Total Numb	er of Domina	nt			
4							ross All Strata			4	(B)
			0	= Total Cover						-	_(-/
Sapling/Shrub Stra	tum (plot size	: 30)			Percent of I	Dominant Spe	ocies			
1 Rubus arme	(/ 100	X	FAC		BL, FACW, o			100%	(A/B)
2							-, , -				_(' - ')
3						Prevalenc	ce Index W	orksheet:			
4						Total % Co	ver of		Multiply by	<u>: </u>	
5						OBL S	Species		x 1 =	0	_
			100	= Total Cover			species Species		x 2 = x 3 =	0	_
Herb Stratum (pl	ot size:	10)				Species		x 4 =		_
1 Phalaris aru			10	X	FACW		Species		x 5 =	0	_
2 Dipsacus fu	llonum		10	Х	FAC	Colum	n Totals	0	(A)	0	(B)
3 Cirsium arve	ense		5	Х	FAC				-		_
4						Preva	lence Index =	:B/A =	#	DIV/0!	_
5											
6						Hydrophy	rtic Vegeta				
7						_	X	1- Rapid Te	-	ophytic Vegetatio	on
°			25	= Total Cover		_		3-Prevalen			
				- Total Govel		_				ations ¹ (provide	supporting
Woody Vine Stratu	m (plot size:)					data in Rer	narks or on	a separate shee	et)
1								5- Wetland			
2						_		•		tic Vegetation ¹ (I	. ,
			0	= Total Cover			problematic.		hydrology r	must be present,	unless
% Bare Ground in I	Herb Stratum		75			Vegetatio		Yes	Х	No	
Remarks:											

SOIL			PHS#	729	6			Sampling Point:	13
rofile Descri	iption: (Describe to t	the depth	needed to docume	ent the indica	ator or conf	firm the abse	nce of indicators.)		
Depth	Matrix				Features	. 2			
(Inches)	Color (moist)	<u></u> %	Color (moist)		Type ¹	Loc ²	Texture	Remarks	
0-9	7.5YR 3/2	100					Silt Loam		
9-13	7.5YR 3/2	98	7.5YR 4/6		С	M	Silt Loam	Fine	
13-16	7.5YR 3/2	86	5YR 4/6	10	С	M	Silty Clay Loam	Medium	
13-16			5YR 4/6	2	С	PL	Silty Clay Loam	Medium	
13-16			5Y 4/1		D	M	Silty Clay Loam	Medium	
Type: C=Con	centration, D=Depletion	on PM=R	aduced Matrix CS=	Covered or C	Coated Sand	Grains		² Location: PL=Pore Lining, M=Matrix	
**	Indicators: (Appli	-				Oranis.	Indica	ators for Problematic Hydric So	_
-	Histosol (A1)				andy Redox	(\$5)		2 cm Muck (A10)	
	Histic Epipedon (A2)				tripped Matr			Red Parent Material (TF	:2)
							(except MLRA 1)		•
	Black Histic (A3)	`					(except MLRA I)	Very Shallow Dark Surf	
	Hydrogen Sulfide (A4	-			-	d Matrix (F2)		Other (explain in Remai	·ks)
	Depleted Below Dark	Surface (A11)	D	epleted Mat	rix (F3)			
	Thick Dark Surface (A	A12)		R	edox Dark S	Surface (F6)		3	
	Sandy Mucky Mineral	l (S1)		D	epleted Dar	k Surface (F7)	³ Indicators of hydrophytic vegetation a hydrology must be present, unless d	
	Sandy Gleyed Matrix	(S4)		R	edox Depre	ssions (F8)		problematic.	Starbea or
Restrictive	Layer (if present):	•							
Гуре:									
ypo.	•								
Depth (inches	s):						Hydric Soil Pres	ent? Yes No	X
Depth (inches	s):						Hydric Soil Pres	ent? Yes No _	<u> </u>
							Hydric Soil Pres	ent? Yes No_	X
Remarks: HYDROLO Wetland Hy	IGY drology Indicator						Hydric Soil Pres		
Remarks: HYDROLO Wetland Hydelerimary India	OGY drology Indicator cators (minimum o		uired; check all th					Secondary Indicators (2 or more	e required)
HYDROLO Wetland Hy	IGY drology Indicator	f one req	uired; check all th	W	/ater stained 2, 4A, and		Hydric Soil Pres		e required)
HYDROLO Wetland Hy	drology Indicator cators (minimum o Surface Water (A1)	f one req	uired; check all th	W		4B)		Secondary Indicators (2 or more	e required) 39)
HYDROLO Wetland Hy	OGY drology Indicator cators (minimum o Surface Water (A1) High Water Table (A2	f one req	uired; check all th	W 1, Sa	2, 4A, and alt Crust (B	4B)	(Except MLRA	Secondary Indicators (2 or more Water stained Leaves ((MLRA1, 2, 4A, and 4B)	e required) B9) 3)
HYDROLO Wetland Hy	drology Indicator cators (minimum o Surface Water (A1) High Water Table (A2 Saturation (A3)	one req	uired; check all th		alt Crust (Bo	4B) 11)	(Except MLRA	Secondary Indicators (2 or more Water stained Leaves ((MLRA1, 2, 4A, and 4E	e required) B9) 3)) e (C2)
HYDROLO Wetland Hy	drology Indicator cators (minimum o Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (E	one req	uired; check all th	W 1, Sa	, 2, 4A, and alt Crust (B' quatic Inver ydrogen Sul	4B) 11) tebrates (B13) lfide Odor (C1	(Except MLRA	Secondary Indicators (2 or more Water stained Leaves (I (MLRA1, 2, 4A, and 4E) Drainage Patterns (B10) Dry-Season Water Table Saturation Visible on Ae	e required) B9) B)) e (C2) srial Imagery (
HYDROLO Wetland Hyo	drology Indicator cators (minimum o Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B Drift Deposits (B3)	f one req	uired; check all th	W 1, SaAd Hy	alt Crust (Barantic Inverse ydrogen Sultridized Rhiz	4B) 11) tebrates (B13) lfide Odor (C1 zospheres alor	(Except MLRA) ng Living Roots (C3)	Secondary Indicators (2 or more Water stained Leaves (I (MLRA1, 2, 4A, and 4E Drainage Patterns (B10 Dry-Season Water Table Saturation Visible on Ae Geomorphic Position (D	e required) B9) B)) e (C2) srial Imagery (
HYDROLO Wetland Hy	drology Indicator cators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B-	f one req	uired; check all th	W 1, 1, Si Ari	alt Crust (Barage and Crust (B	4B) 11) tebrates (B13) lifide Odor (C1 zospheres alor Reduced Iron	(Except MLRA) ng Living Roots (C3) (C4)	Secondary Indicators (2 or more Water stained Leaves ((MLRA1, 2, 4A, and 4E) Drainage Patterns (B10) Dry-Season Water Table Saturation Visible on Ae Geomorphic Position (D) Shallow Aquitard (D3)	e required) B9) B)) e (C2) srial Imagery (
HYDROLO Wetland Hy	drology Indicator cators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5)	one request. 2) 32)	uired; check all th	W 1, 1, Si Ai	alt Crust (B' quatic Inver ydrogen Sul xidized Rhiz resence of F ecent Iron F	4B) 11) tebrates (B13) lfide Odor (C1 zospheres alor Reduced Iron (Reduction in P	(Except MLRA) ng Living Roots (C3) (C4) lowed Soils (C6)	Secondary Indicators (2 or more Water stained Leaves (I (MLRA1, 2, 4A, and 4E Drainage Patterns (B10 Dry-Season Water Table Saturation Visible on Ae Geomorphic Position (D Shallow Aquitard (D3) Fac-Neutral Test (D5)	e required) 39) 3)) e (C2) erial Imagery (
HYDROLO Wetland Hy	drology Indicator cators (minimum of Surface Water (A1)) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (one req 2) 32) 4) B6)		W 1, 1, Si AA H; OO Pr	alt Crust (B' quatic Inver ydrogen Sul xidized Rhiz resence of F ecent Iron F tunted or St	4B) 11) tebrates (B13) Ifide Odor (C1 zospheres alor Reduced Iron Reduction in P	(Except MLRA) ng Living Roots (C3) (C4) owed Soils (C6) (D1) (LRR A)	Secondary Indicators (2 or more Water stained Leaves (I (MLRA1, 2, 4A, and 4E) Drainage Patterns (B10) Dry-Season Water Table Saturation Visible on Ae Geomorphic Position (D Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6)	e required) B9) B)) e (C2) brial Imagery (22)
HYDROLO Wetland Hy	drology Indicator cators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (Inundation Visible on	of one requestion of one requestion of one requestion of the second of t	igery (B7)	W 1, 1, Si AA H; OO Pr	alt Crust (B' quatic Inver ydrogen Sul xidized Rhiz resence of F ecent Iron F tunted or St	4B) 11) tebrates (B13) lfide Odor (C1 zospheres alor Reduced Iron (Reduction in P	(Except MLRA) ng Living Roots (C3) (C4) owed Soils (C6) (D1) (LRR A)	Secondary Indicators (2 or more Water stained Leaves (I (MLRA1, 2, 4A, and 4E Drainage Patterns (B10 Dry-Season Water Table Saturation Visible on Ae Geomorphic Position (D Shallow Aquitard (D3) Fac-Neutral Test (D5)	e required) B9) B)) e (C2) brial Imagery 2) (LRR A)
HYDROLO Wetland Hy	drology Indicator cators (minimum o Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B- Iron Deposits (B5) Surface Soil Cracks (Inundation Visible on Sparsely Vegetated C	of one requestion of one requestion of one requestion of the second of t	igery (B7)	W 1, 1, Si AA H; OO Pr	alt Crust (B' quatic Inver ydrogen Sul xidized Rhiz resence of F ecent Iron F tunted or St	4B) 11) tebrates (B13) Ifide Odor (C1 zospheres alor Reduced Iron Reduction in P	(Except MLRA) ng Living Roots (C3) (C4) owed Soils (C6) (D1) (LRR A)	Secondary Indicators (2 or more Water stained Leaves (I (MLRA1, 2, 4A, and 4E) Drainage Patterns (B10) Dry-Season Water Table Saturation Visible on Ae Geomorphic Position (D Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6)	e required) B9) B)) e (C2) brial Imagery (22)
HYDROLO Wetland Hy Primary India	drology Indicator cators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (Inundation Visible on Sparsely Vegetated Corvations:	of one requestion of one requestion of one requestion of the second of t	igery (B7) urface (B8)	W 1, Si Ai	alt Crust (B' quatic Inver ydrogen Sul xidized Rhiz resence of f ecent Iron F tunted or St ther (Explai	4B) 11) tebrates (B13) Ifide Odor (C1 zospheres alor Reduced Iron Reduction in P	(Except MLRA) ng Living Roots (C3) (C4) owed Soils (C6) (D1) (LRR A)	Secondary Indicators (2 or more Water stained Leaves (I (MLRA1, 2, 4A, and 4E) Drainage Patterns (B10) Dry-Season Water Table Saturation Visible on Ae Geomorphic Position (D Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6)	e required) B9) B)) e (C2) brial Imagery (2)
HYDROLO Wetland Hy Primary India	drology Indicator cators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (Inundation Visible on Sparsely Vegetated Covations:	of one requestion of one requestion of one requestion of the second of t	igery (B7) urface (B8) No <u>X</u>	W 1, 1, Si Ari H! O D Pr Rr St	alt Crust (Barage and Andreas):	4B) 11) tebrates (B13) Ifide Odor (C1 zospheres aloi Reduced Iron of Reduction in Pressed Plants in in Remarks)	(Except MLRA) ng Living Roots (C3) (C4) lowed Soils (C6) (D1) (LRR A)	Secondary Indicators (2 or more Water stained Leaves (I (MLRA1, 2, 4A, and 4E Drainage Patterns (B10 Dry-Season Water Table Saturation Visible on Ae Geomorphic Position (D Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) Frost-Heave Hummocks	e required) B9) B)) e (C2) brial Imagery (2)
HYDROLO Wetland Hy Primary India Field Obser Surface Water Water Table P	drology Indicator cators (minimum of Surface Water (A1)) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B3) Iron Deposits (B5) Surface Soil Cracks (Inundation Visible on Sparsely Vegetated Covations: Present? Yes	of one requestion of one requestion of one requestion of the second of t	igery (B7) urface (B8) No X	W 1, 1, Si AA H O Pr Ri Si O Depth (ir	alt Crust (B' quatic Inver ydrogen Sul xidized Rhiz resence of F ecent Iron F tunted or St ther (Explai	4B) 11) tebrates (B13) Ifide Odor (C1 zospheres alor Reduced Iron Reduction in P ressed Plants n in Remarks)	(Except MLRA) ng Living Roots (C3) (C4) lowed Soils (C6) (D1) (LRR A)	Secondary Indicators (2 or more Water stained Leaves (I (MLRA1, 2, 4A, and 4E) Drainage Patterns (B10 Dry-Season Water Table Saturation Visible on Act Geomorphic Position (D Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) Frost-Heave Hummocks	e required) 39) 3)) e (C2) erial Imagery (2) (LRR A) s (D7)
HYDROLO Wetland Hy Primary India	drology Indicator cators (minimum o Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B- Iron Deposits (B5) Surface Soil Cracks (Inundation Visible on Sparsely Vegetated C vations: Present? Yes Present? Yes Sent? Yes	of one requestion of one requestion of one requestion of the second of t	igery (B7) urface (B8) No <u>X</u>	W 1, 1, Si Ari H! O D Pr Rr St	alt Crust (B' quatic Inver ydrogen Sul xidized Rhiz resence of F ecent Iron F tunted or St ther (Explai	4B) 11) tebrates (B13) Ifide Odor (C1 zospheres aloi Reduced Iron of Reduction in Pressed Plants in in Remarks)	(Except MLRA) ng Living Roots (C3) (C4) lowed Soils (C6) (D1) (LRR A)	Secondary Indicators (2 or more Water stained Leaves (I (MLRA1, 2, 4A, and 4E Drainage Patterns (B10 Dry-Season Water Table Saturation Visible on Ae Geomorphic Position (D Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) Frost-Heave Hummocks	e required) B9) B)) e (C2) brial Imagery (2)
Field Obser Surface Water Water Table P Saturation Pre- Sincludes capillar	drology Indicator cators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (Inundation Visible on Sparsely Vegetated Covations: Present? Yes Present? Yes Sent? Yes Sparsely Ves	of one requestion (2) 32) 4) B6) Aerial Ima	ngery (B7) urface (B8) No X No X No X	W 1, Si Ar Ht Or Pr Rr St Or Depth (ir Depth (ir	alt Crust (B' quatic Inver ydrogen Sul xidized Rhiz resence of F ecent Iron F tunted or St ther (Explain	4B) 11) tebrates (B13) Ifide Odor (C1 zospheres alor Reduced Iron Reduction in Pressed Plants n in Remarks) >16 >16 >16	(Except MLRA) ng Living Roots (C3) (C4) lowed Soils (C6) (D1) (LRR A) Wetland Hydi	Secondary Indicators (2 or more Water stained Leaves (I (MLRA1, 2, 4A, and 4E) Drainage Patterns (B10 Dry-Season Water Table Saturation Visible on Act Geomorphic Position (D Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) Frost-Heave Hummocks	e required) 39) 3)) e (C2) erial Imagery (2) (LRR A) s (D7)
Field Obser Surface Water Water Table P Saturation Pre- Sincludes capillar	drology Indicator cators (minimum o Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B- Iron Deposits (B5) Surface Soil Cracks (Inundation Visible on Sparsely Vegetated C vations: Present? Yes Present? Yes Sent? Yes	of one requestion (2) 32) 4) B6) Aerial Ima	ngery (B7) urface (B8) No X No X No X	W 1, Si Ar Ht Or Pr Rr St Or Depth (ir Depth (ir	alt Crust (B' quatic Inver ydrogen Sul xidized Rhiz resence of F ecent Iron F tunted or St ther (Explain	4B) 11) tebrates (B13) Ifide Odor (C1 zospheres alor Reduced Iron Reduction in Pressed Plants n in Remarks) >16 >16 >16	(Except MLRA) ng Living Roots (C3) (C4) lowed Soils (C6) (D1) (LRR A) Wetland Hydi	Secondary Indicators (2 or more Water stained Leaves (I (MLRA1, 2, 4A, and 4E) Drainage Patterns (B10 Dry-Season Water Table Saturation Visible on Act Geomorphic Position (D Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) Frost-Heave Hummocks	e required) 39) 3)) e (C2) erial Imagery (2) (LRR A) s (D7)
Field Obser Surface Water Water Table P Saturation Pre- Sincludes capillar	drology Indicator cators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (Inundation Visible on Sparsely Vegetated Covations: Present? Yes Present? Yes Sent? Yes Sparsely Ves	of one requestion (2) 32) 4) B6) Aerial Ima	ngery (B7) urface (B8) No X No X No X	W 1, Si Ar Ht Or Pr Rr St Or Depth (ir Depth (ir	alt Crust (B' quatic Inver ydrogen Sul xidized Rhiz resence of F ecent Iron F tunted or St ther (Explain	4B) 11) tebrates (B13) Ifide Odor (C1 zospheres alor Reduced Iron Reduction in Pressed Plants n in Remarks) >16 >16 >16	(Except MLRA) ng Living Roots (C3) (C4) lowed Soils (C6) (D1) (LRR A) Wetland Hydi	Secondary Indicators (2 or more Water stained Leaves (I (MLRA1, 2, 4A, and 4E) Drainage Patterns (B10 Dry-Season Water Table Saturation Visible on Act Geomorphic Position (D Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) Frost-Heave Hummocks	e required) 39) 3)) e (C2) erial Imagery (2) (LRR A) s (D7)
Field Obser Surface Water Table P Saturation Pre- sincludes capillar Describe Reco	drology Indicator cators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (Inundation Visible on Sparsely Vegetated Covations: Present? Yes Present? Yes Sent? Yes Sparsely Ves	of one requestion (2) 32) 4) B6) Aerial Ima	ngery (B7) urface (B8) No X No X No X	W 1, Si Ar Ht Or Pr Rr St Or Depth (ir Depth (ir	alt Crust (B' quatic Inver ydrogen Sul xidized Rhiz resence of F ecent Iron F tunted or St ther (Explain	4B) 11) tebrates (B13) Ifide Odor (C1 zospheres alor Reduced Iron Reduction in Pressed Plants n in Remarks) >16 >16 >16	(Except MLRA) ng Living Roots (C3) (C4) lowed Soils (C6) (D1) (LRR A) Wetland Hydi	Secondary Indicators (2 or more Water stained Leaves (I (MLRA1, 2, 4A, and 4E) Drainage Patterns (B10 Dry-Season Water Table Saturation Visible on Act Geomorphic Position (D Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) Frost-Heave Hummocks	e required) 39) 3)) e (C2) erial Imagery (22) () (LRR A) s (D7)
Field Obser Surface Water Water Table P Saturation Pre- Sincludes capillar	drology Indicator cators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (Inundation Visible on Sparsely Vegetated Covations: Present? Yes Present? Yes Sent? Yes Sparsely Ves	of one requestion (2) 32) 4) B6) Aerial Ima	ngery (B7) urface (B8) No X No X No X	W 1, Si Ar Ht Or Pr Rr St Or Depth (ir Depth (ir	alt Crust (B' quatic Inver ydrogen Sul xidized Rhiz resence of F ecent Iron F tunted or St ther (Explain	4B) 11) tebrates (B13) Ifide Odor (C1 zospheres alor Reduced Iron Reduction in Pressed Plants n in Remarks) >16 >16 >16	(Except MLRA) ng Living Roots (C3) (C4) lowed Soils (C6) (D1) (LRR A) Wetland Hydi	Secondary Indicators (2 or more Water stained Leaves (I (MLRA1, 2, 4A, and 4E) Drainage Patterns (B10 Dry-Season Water Table Saturation Visible on Act Geomorphic Position (D Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) Frost-Heave Hummocks	e required) 39) 3)) e (C2) erial Imagery 2) () (LRR A) s (D7)

Project/Site:	Sherwood I	ndustrial	Park	City/County:	Sherwe	ood/Washington	Sampling Da	ate:	9/22/2021
Applicant/Owner:	OWRA Sh	erwood, L	LC			State	OR	Sampling F	Point: 14
nvestigator(s):		JT/CM		Section, To	ownship, Range:	Section 2	9D, Township 2	South, Range	1West
 Landform (hillslope	terrace etc :)		Slope	_ ′	,	ncave, convex, none):	None	Slope	
Subregion (LRR):	, 1011400, 010)	LRR A	•	Lat:	45.360	,			utum: WGS84
• , ,		LINIX		_	45.500				
Soil Map Unit Nam				ama loam			lassification:	Noi	
Are climatic/hydrolo	ogic conditions o	n the site ty	pical for this tim	ne of year?	Yes	N	(if no,	explain in Rema	rks)
Are vegetation	X Soil	or Hyd	drology	significantly dis	turbed?	Are "Normal Circumsta	nces" present? (Y/	N) <u>Y</u>	
Are vegetation	Soil	or Hyd	drology	_naturally proble	matic? If needed	l, explain any answers in F	Remarks.)		
CUMMADY OF	E EINDINGS	Attacl	h aita man	ahawina aar	nnlina naint	locations transcat	la impartant f	anturan ata	
				snowing sar	iipiing point	locations, transect	is, important i	eatures, etc	•
Hydrophytic Vegeta		Yes	X No		Is Sampled Ar	rea within			
Hydric Soil Present	1?	Yes	No	$\overline{}$	a Wetlar	nd? Yes	<u> </u>	No X	
Wetland Hydrology	Present?	Yes	No	X					
Remarks: Pi	recipitation is	below no	ormal, which	is now comm	non. As such,	we make sure to eval	uate a dry-seas	on water table	e in areas of
	• '			•	•	are present. The site		•	•
	•	•	•			d storm facilities. The	•	•	dual upland slopes
				-	e continual sh	eet flow from perviou	is upper slopes	as before.	
VEGETATION	- Use scien	itific nam	•		Indicator	Daminanaa Taat wa	wise he est		
			absolute % cover	Dominant Species?	Indicator Status	Dominance Test wo	orksneet:		
Tree Stratum (pl	lot size:)				Number of Dominant Sp	ecies		
1						That are OBL, FACW, o	r FAC:	2	(A)
2									```
3						Total Number of Domina	ant		
4						Species Across All Strat	a:	2	(B)
,			0	= Total Cover					 -
Sapling/Shrub Stra	tum (-1-4-i	. 20	`			Daniel of Daniel and Co	:-		
		e: 30	_'	v	FAC	Percent of Dominant Sp		4000/	(A /D)
1 Rubus arme	illacus		10	X	FAC	That are OBL, FACW,		100%	(A/B)
3						Prevalence Index W	lorkshoot:		
4						Total % Cover of	Multip	dy by:	
5						OBL Species		1 = 0	
<u> </u>			10	= Total Cover		FACW species		2 = 0	
				- Total Cover		FAC Species		3 = 0	
Herb Stratum (pl	lot size:	10)				FACU Species	-	4 = 0	
1 Unidentified	grass		60	X	(FAC)	UPL Species	x	5 = 0	
2 Plantago lar	nceolata		10		FACU	Column Totals	0 (A)	0	(B)
3 Madia glome	erata		10		FACU				
4 Daucus card	ota		10		FACU	Prevalence Index	=B/A =	#DIV/0!	
5 Dipsacus fu	llonum		5		FAC				
6 Leontodon	saxatilis		5		FACU	Hydrophytic Vegeta	tion Indicators:		
7							1- Rapid Test for	Hydrophytic Veg	etation
8						Х	2- Dominance Te	st is >50%	
•			100	= Total Cover			3-Prevalence Inde	ex is ≤ 3.0 ¹	
							4-Morphological A		
Woody Vine Stratu	m (plot size:		_)				data in Remarks	or on a separate	sheet)
1							5- Wetland Non-V	ascular Plants ¹	
							Problematic Hydro	ophytic Vegetatio	on ¹ (Explain)
2						¹ Indicators of hydric soil	•	ogy must be pres	sent, unless
2			0	= Total Cover		- I			
2		_	0	= Total Cover		disturbed or problematic	i.		
	Herh Stratum			= Total Cover		Hydrophytic		x	No
2	Herb Stratum		0	= Total Cover				x	No

I OIIIE Desi.i	iption: (Describe to th	he depth i	needed to docume	nt the indicat	or or confi	irm the absen	ce of indicators.)	
Depth	Matrix	no doptin i		Redox Fe			oo or maioatoro.,	
(Inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-8	7.5YR 3/4	100					Silt Loam	20% gravel
8-16	7.5YR 3/4	60	10YR 4/6	5	С	M	Loam	Fine; 20% gravel; mixed matrix
8-16	10YR 6/4	30	10YR 4/6	5	С	М	Loam	Fine; 20% gravel; mixed matrix
	·							
Type: C=Cor	ncentration, D=Depletio	n RM=Re	aduced Matrix CS=0	Covered or Co	nated Sand	Grains		² Location: PL=Pore Lining, M=Matrix.
-	Indicators: (Applic					Giallis.	Indic	cators for Problematic Hydric Soils ³ :
iyano oon	Histosol (A1)	oubic to	un Errito, umost		ndy Redox	(\$5)	maic	2 cm Muck (A10)
	Histic Epipedon (A2)				ipped Matri			Red Parent Material (TF2)
	Black Histic (A3)				• •	Mineral (F1) (e	excent MI PA 1)	Very Shallow Dark Surface (TF12)
					-		SACEPT MERA 1)	
	Hydrogen Sulfide (A4)		.44)			d Matrix (F2)		Other (explain in Remarks)
	Depleted Below Dark	,	X11)		pleted Matr			
	Thick Dark Surface (A	•				Surface (F6)		³ Indicators of hydrophytic vegetation and wetland
	Sandy Mucky Mineral					Surface (F7)		hydrology must be present, unless disturbed or
	Sandy Gleyed Matrix ((S4)		Re	dox Depres	ssions (F8)		problematic.
epth (inche emarks: oil is dist	urbed, but also the			uts outside	of seaso	onal direct p	Hydric Soil Pre	sent? Yes NoX that point, the water infiltrates so quickly
epth (inche emarks:	· •			uts outside	of seaso	onal direct p	_	
Depth (inche demarks: Soil is distr rom being	urbed, but also the upslope that hydr	ic soils (uts outside	of seaso	onal direct p	_	
rom being HYDROLO Vetland Hy	urbed, but also the upslope that hydr DGY drology Indicators	ic soils (cannot sustain.		of seaso	onal direct p	_	that point, the water infiltrates so quickly
Depth (inche Remarks: Soil is disti rom being HYDROLO Vetland Hy	urbed, but also the upslope that hydrology Indicators (minimum of	ic soils (cannot sustain.	nat apply)			recipitation. At t	that point, the water infiltrates so quickly Secondary Indicators (2 or more required)
Depth (inche Remarks: Soil is disti rom being HYDROLO Vetland Hy	urbed, but also the upslope that hydrology ordrology Indicators (minimum of Surface Water (A1)	ic soils o	cannot sustain.	nat apply) Wa	ater stained	Leaves (B9) (recipitation. At t	Secondary Indicators (2 or more required) Water stained Leaves (B9)
Depth (inche Remarks: Soil is disti rom being HYDROLO Vetland Hy	urbed, but also the upslope that hydroogy varology Indicators (minimum of Surface Water (A1) High Water Table (A2)	ic soils o	cannot sustain.	nat apply) Wa 1, 2	ater stained 2, 4A, and 4	Leaves (B9) (recipitation. At t	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B)
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Depth (inche Remarks: Soil is disti rom being HYDROLO Vetland Hy	urbed, but also the upslope that hydrology Indicators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4)	s: f one requ	cannot sustain.	nat apply) Wa 1, 2 Sal Aql Hyu Ox	ater stained 2, 4A, and 4 It Crust (B1 uatic Inverted drogen Sulf idized Rhize esence of R	Leaves (B9) (4B) 1) ebrates (B13) fide Odor (C1) ospheres along	recipitation. At t	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Geomorphic Position (D2) Shallow Aquitard (D3)
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7296

Application OWRA Sherwood, LLC Single OR Same OR Sam	Project/Site:	Sherwood In	ndustrial	Park	City/County:	Sherwo	ood/Washington	Sampling Date:	10/6/	/2021
Landom (nillalose, terrose, etc.) Slope	Applicant/Owner:	OWRA She	erwood, L	LC			State:	OR	Sampling Point:	15
Subsection Comment C	Investigator(s):		СМ		Section, To	wnship, Range:	Section 29	D, Township 2Sou	th, Range 1We	est
None	Landform (hillslope	e, terrace, etc.:)		Slope	_	Local relief (cor	ncave, convex, none):	None	Slope (%):	2
None	Subregion (LRR):		LRR A		Lat:	45.364	18 Long:	-122.8309	Datum:	WGS84
Ave climatichydrologic conditions on the alte typical for this time of year? View regelation X Sol or Hydrology application system of year? View regelation X Sol or Hydrology application system of the process of the property of the prop		ne.			- v silt loam					
Are "veglelation X Soll or Hydrology significantly disburbed? Are "Normal Circumstances" present? (V/N) Y Are "vegledation X Soll or Hydrology" naturally problematic? If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS — Attach site map showing sampling point locations, transects, important features, etc. Hydrophysic Vegletation Present? Ves No X No X a Wetland? Yes No X a Yes No X a Yes No X a Wetland? Yes No X a Yes No X	•		the site tw			Ves				
SUMMARY OF FINDINGS — Attach site map showing sampling point locations, transects, important features, etc. **Principality Vegetation Present?** Yes	•	ū			•				•	
SUMMARY OF FINDINGS — Attach site map showing sampling point locations, transects, important features, etc. Prydriphyte Vegetation Present? Yes No X No No No X No No No X No No No No X No N	_							. , ,		
Frycting Stratum (plot size: 10)	Are vegetation	Soil	or Hyd	drology	naturally proble	matic? If needed	, explain any answers in Re	marks.)		
Hydrochyldr Vegetation Present? Yes No X Is Sampled Area within a Wetland? Yes No X Is Sampled Area within a Wetland? Yes No X No X Wetland Hydrochygrey Present? Yes No X No X No X Wetland Hydrochygrey Present? Yes No X No X Wetland Hydrochygrey Present of Cover topography, or in areas where hydrochygric vegetation and hydric soils are present. The site is surrounded by new development. It is our Present the hydrochygrey of the hydrochygrey on site are not conductive to retaining water, nor do they receive continual sheet flow from pervious upper slopes as before. WetgeTATION - Use scientific names of plants. Indicator Species Present Now Present of Command Species Now Present of Dominant Species No No No Now Present	SUMMARY O	F FINDINGS	– Attac	h site map s	showing sar	nplina point	locations, transects	s. important feat	ures. etc.	
Sampled Area within a Wetland? Yes No X Sampled Area within a Wetland? Yes No X No X							,	.,	,	
No X N			Yes —	_					No. X	
Remarks: Precipitation is below normal, which is now common. As such, we make sure to evaluate a dry-season water table in areas of lower topography, or in areas where hydrophytic vegetation and hydric soils are present. The site is surrounded by new development. It is our SP that hydrology is slowly being diverted through stormwater infrastructure and storm facilities. The geomorphic position of gradual upland slopes on site are not conductive to retaining water, nor do they receive continual sheet flow from pervious upper slopes as before. VEGETATION - Use sclentific names of plants.	•		_			a Wetlar	id?		NO X	
lower topography, or in areas where hydrophytic vegetation and hydric soils are present. The site is surrounded by new development. It is our DP that hydrology is slowly being divered through stormwater infrastructure and storm facilities. The geomorphic position of gradual upland slopes on site are not conducive to retaining water, nor do they receive continual sheet flow from pervious upper slopes as before. VEGETATION - Use scientific names of plants:	,	•	_			<u></u>				
Number of Dominant Species Number of Domi	lower topograp that hydrology on site are not	ohy, or in areas is slowly bein conducive to	s where h g diverte retaining	nydrophytic v d through st water, nor d	regetation and ormwater infro they receive	l hydric soils a astructure and	are present. The site is I storm facilities. The	s surrounded by no geomorphic positi	ew developme on of gradual ι	nt. It is our BP
							Dominance Test wor	ksheet:		
1 Populus balsamifera 20 X FAC That are OBL, FACW, or FAC: 3 (A)	Tree Stratum (n	alot size.	30 \	% cover	Species?	Status	Number of Dominant Sea	cias		
2	"		,	20	Y	FAC			3	(Δ)
Total Number of Dominant Species Across All Strata: 7							That are OBE, I AOW, or			(~)
Species Across All Strata: 7	-					(0: 1)	Total Number of Dominar	nt		
Sapling/Shrub Stratum	. —								7	(B)
Cytisus scoparius 20	•			25	= Total Cover		openies / torees / til etrate			(2)
1 Cytisus scoparius 20 X (UPL) That are OBL, FACW, or FAC: 43% (A/B)	O ii /Ob b - Ob	- t								
Populus balsamifera S			30	_)	.,		1			(4.45)
3 Rubus armeniacus 5 FAC Prevalence Index Worksheet: Total % Cover of Multiply by: OBL Species X 1 = 0 FACW species X 2 = 0 FACW species X 3 = 0 FACW species X 4 = 0 FACW		•			X		That are OBL, FACW, or	FAC:	43%	(A/B)
Total % Cover of Multiply by:							Dravelance Inday W	nulsaha ati		
Series Stratum Series Stratum Series Stratum Series Stratum Series Stratum Series Stratum Series Ser	·	emacus				FAC				
Stratum (plot size: 10	·						<u> </u>			
FAC Species	J			30	- Total Cavar		· · · · ·			
Herb Stratum (plot size: 10 10 1 Hypericum perforatum 30					- Total Cover		· · · · · · · · · · · · · · · · · · ·			
1 Hypericum perforatum 30 X FACU UPL Species x 5 = 0 2 Agrostis capillaris 30 X FAC Column Totals 0 (A) 0 (B) 3 Portulaca oleracea 20 X FACU Prevalence Index =B/A = #DIV/0! 5 — — Hydrophytic Vegetation Indicators: 7 — — 1- Rapid Test for Hydrophytic Vegetation 8 — 2- Dominance Test is >50% 3-Prevalence Index is ≤ 3.0¹ — 4-Morphological Adaptations¹ (provide supporting data in Remarks or on a separate sheet) 1 — — 5- Wetland Non-Vascular Plants¹ — Problematic Hydrophytic Vegetation¹ (Explain) 1 —	Herb Stratum (p	olot size:	10)				· · · · · · · · · · · · · · · · · · ·			
3 Portulaca oleracea 4 Anthoxanthum odoratum 20 X FACU Prevalence Index =B/A = #DIV/0! Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤ 3.0¹ 4 - Morphological Adaptations¹ (provide supporting data in Remarks or on a separate sheet) 1 - Separate Sheet (plot size: a control of the problematic Hydrophytic Vegetation) 2 - Total Cover (plot size: a control of the problematic Hydrophytic Vegetation) 3 - Prevalence Index = B/A = #DIV/0! Hydrophytic Vegetation Indicators: 4 - Morphological Adaptations¹ (provide supporting data in Remarks or on a separate sheet) 5 - Wetland Non-Vascular Plants¹ Problematic Hydrophytic Vegetation¹ (Explain) 1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Hydrophytic Vegetation Yes No X	1 Hypericum	perforatum		30	X	FACU	1	x 5 =	0	
Anthoxanthum odoratum 5 6 Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤ 3.0¹ 4 - Morphological Adaptations¹ (provide supporting data in Remarks or on a separate sheet) 1 - S - Wetland Non-Vascular Plants¹ Problematic Hydrophytic Vegetation¹ 1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Hydrophytic Vegetation Yes No X	2 Agrostis ca	pillaris		30	X	FAC	Column Totals	0 (A)	0	(B)
Hydrophytic Vegetation Indicators: Hydrophytic Vegetation Indicators: 1- Rapid Test for Hydrophytic Vegetation	3 Portulaça o	leracea		20	X	FAC	,			
Hydrophytic Vegetation Indicators: 1- Rapid Test for Hydrophytic Vegetation 2- Dominance Test is >50% 100 = Total Cover 3-Prevalence Index is ≤ 3.0¹ 4-Morphological Adaptations¹ (provide supporting data in Remarks or on a separate sheet) 5- Wetland Non-Vascular Plants¹ Problematic Hydrophytic Vegetation¹ (Explain) 1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Hydrophytic Vegetation Yes No X	4 Anthoxanth	um odoratum		20	x	FACU	Prevalence Index =	B/A = #	DIV/0!	
1- Rapid Test for Hydrophytic Vegetation 2- Dominance Test is >50% 2- Dominance Test is >50% 3-Prevalence Index is ≤ 3.0¹ 4-Morphological Adaptations¹ (provide supporting data in Remarks or on a separate sheet) 5- Wetland Non-Vascular Plants¹ 2 Problematic Hydrophytic Vegetation¹ (Explain) 0 = Total Cover 1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Hydrophytic Vegetation Yes No X	5									
8	6						Hydrophytic Vegetat	ion Indicators:		
100 = Total Cover 3-Prevalence Index is ≤ 3.0¹ 4-Morphological Adaptations¹ (provide supporting data in Remarks or on a separate sheet) 5- Wetland Non-Vascular Plants¹ Problematic Hydrophytic Vegetation¹ (Explain) 1 1 1 1 1 1 1 1 1	7							1- Rapid Test for Hydr	ophytic Vegetation	1
4-Morphological Adaptations¹ (provide supporting data in Remarks or on a separate sheet) 5- Wetland Non-Vascular Plants¹ Problematic Hydrophytic Vegetation¹ (Explain) 1	8							2- Dominance Test is	>50%	
Moody Vine Stratum (plot size:) data in Remarks or on a separate sheet)				100	= Total Cover			3-Prevalence Index is	≤ 3.0 ¹	
5- Wetland Non-Vascular Plants 1 Problematic Hydrophytic Vegetation 1 (Explain) 1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Hydrophytic Wegetation Yes No X								4-Morphological Adapt	tations ¹ (provide s	upporting
Problematic Hydrophytic Vegetation (Explain) Total Cover Total Cover Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Hydrophytic Vegetation Yes No X	Woody Vine Stratu	<u>ım</u> (plot size:	,	_)				data in Remarks or on	a separate sheet)	
1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Hydrophytic Wegetation Yes No X	1							5- Wetland Non-Vascu	ılar Plants ¹	
disturbed or problematic. Hydrophytic Vegetation Yes No X								Problematic Hydrophy	tic Vegetation ¹ (Ex	rplain)
% Bare Ground in Herb Stratum 0 Vegetation Yes No X	2			•	= Total Cover		•	nd wetland hydrology i	must be present, u	nless
IF LEARIN /	2				- Total Gover		· ·			

OIL			PHS#	729	96			Sampling Point:	15
rofile Descri	ption: (Describe to t	he depth	needed to docume			firm the abse	nce of indicators.)		
Depth	Matrix		- · · · · · ·		Features	. 2			
(Inches)	Color (moist)	%	Color (moist)		Type	Loc ²	Texture	Remarks	
0-5	7.5YR 2.5/2	99	5YR 3/4		С	M	Loam	Fine	
5-6	10YR 3/3	100				,	Sand		
6-10	10YR 3/3	40					Sandy Clay Loam	Mixed Matrix	
6-10	10YR 5/3	40					Sandy Clay Loam	Mixed Matrix	
6-10	10YR 4/2	20					Sandy Clay Loam	Mixed Matrix	
10-20	7.5YR 2.5/3	100				•	Sand		
Type: C=Cond	centration, D=Depletion	n RM=Re	educed Matrix CS=	Covered or C	Coated Sand			² Location: PL=Pore Lining, M=Matrix.	
•	Indicators: (Appli							tors for Problematic Hydric Soils	s ³ .
-		ouble to	un Errico, umoo				maiou	•	.
	Histosol (A1)				andy Redox	, ,		2 cm Muck (A10)	,
	Histic Epipedon (A2)				tripped Mat			Red Parent Material (TF2	
	Black Histic (A3)				-		(except MLRA 1)	Very Shallow Dark Surface	
	Hydrogen Sulfide (A4))		L	oamy Gleye	d Matrix (F2)		Other (explain in Remarks	s)
	Depleted Below Dark	Surface (A	A11)	D	epleted Ma	trix (F3)			
	Thick Dark Surface (A	A12)		R	Redox Dark	Surface (F6)		3	
;	Sandy Mucky Mineral	(S1)		D	epleted Dai	k Surface (F7)	³ Indicators of hydrophytic vegetation and hydrology must be present, unless dist	
	Sandy Gleyed Matrix ((S4)		R	Redox Depre	essions (F8)		problematic.	arboa or
estrictive I	Layer (if present):								
ype:									
	-								
• •	s):						Hydric Soil Prese	ent? Yes No	X
emarks:	s):						Hydric Soil Prese	ent? Yes No	X
Pepth (inches	GY	2.					Hydric Soil Prese	ent? Yes No	X
emarks: HYDROLO Vetland Hyd			uired; check all tl	hat apply)			Hydric Soil Prese	Secondary Indicators (2 or more	
emarks: IYDROLO Vetland Hydrimary Indic	GY drology Indicators cators (minimum of		uired; check all th		Vater staine	d Leaves (B9)	Hydric Soil Prese		required)
Pepth (inches emarks: IYDROLO Vetland Hydrimary India	GY drology Indicators cators (minimum of Surface Water (A1)	f one req	uired; check all th	v	Vater staine			Secondary Indicators (2 or more	required)
Pepth (inches emarks: EYDROLO Vetland Hydrimary India	GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2	f one req	uired; check all tl	V	, 2, 4A, and	4B)		Secondary Indicators (2 or more Water stained Leaves (BS (MLRA1, 2, 4A, and 4B)	required)
emarks: IYDROLO Vetland Hydrimary Indic	drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3)	f one req	uired; check all tl	V 	, 2, 4A, and salt Crust (B	4B) 11)	(Except MLRA	Secondary Indicators (2 or more Water stained Leaves (BS (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10)	required)
emarks: IYDROLO Vetland Hydrimary India	GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1)	f one req	uired; check all tl		, 2, 4A, and salt Crust (B quatic Inver	4B) 11) tebrates (B13)	(Except MLRA	Secondary Indicators (2 or more Water stained Leaves (BS (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table	required)
Pepth (inches emarks: IYDROLO Vetland Hydrimary India	drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B	f one req	uired; check all th		, 2, 4A, and salt Crust (B squatic Inver lydrogen Su	4B) 11) tebrates (B13)	(Except MLRA	Secondary Indicators (2 or more water stained Leaves (BS (MLRA1, 2, 4A, and 4B)) Drainage Patterns (B10) Dry-Season Water Table Saturation Visible on Aeric	required))) (C2) al Imagery
Pepth (inches emarks: EYDROLO Vetland Hydrimary India	drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B Drift Deposits (B3)	f one req	uired; check all tl	V 1 S A H	, 2 , 4A , and salt Crust (B quatic Inver lydrogen Su Oxidized Rhi	4B) 11) tebrates (B13) lfide Odor (C1 zospheres alor	(Except MLRA) ng Living Roots (C3)	Secondary Indicators (2 or more Water stained Leaves (BS (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table Saturation Visible on Aeric Geomorphic Position (D2)	required))) (C2) al Imagery
emarks: IYDROLO Vetland Hydrimary India	drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B Drift Deposits (B3) Algal Mat or Crust (B4	f one req	uired; check all tl		, 2, 4A, and falt Crust (B quatic Inver lydrogen Su oxidized Rhi.	4B) 11) tebrates (B13) lifide Odor (C1 zospheres alor Reduced Iron	(Except MLRA) ng Living Roots (C3)	Secondary Indicators (2 or more Water stained Leaves (BS (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table Saturation Visible on Aeric Geomorphic Position (D2) Shallow Aquitard (D3)	required))) (C2) al Imagery
emarks: HYDROLO Vetland Hydrimary India	Cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5)	f one req	uired; check all tl	V 1 1 S A A H C C P R	, 2, 4A, and ealt Crust (B equatic Inversity dydrogen Su existing the control of the decent Iron F	4B) 11) tebrates (B13) lfide Odor (C1 zospheres alor Reduced Iron (Reduction in P	(Except MLRA) ng Living Roots (C3) (C4) lowed Soils (C6)	Secondary Indicators (2 or more Water stained Leaves (BS (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table Saturation Visible on Aeric Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5)	required) (O2) (C2) al Imagery
EYDROLO Vetland Hydrimary India	drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (I	f one req		V 1 1 S A A H C C P R S S	, 2, 4A, and salt Crust (B quatic Inver lydrogen Su bxidized Rhi. resence of decent Iron F	11) tebrates (B13) lfide Odor (C1 zospheres alor Reduced Iron Reduction in P	(Except MLRA) ng Living Roots (C3) (C4) owed Soils (C6) (D1) (LRR A)	Secondary Indicators (2 or more and water stained Leaves (BS) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table Saturation Visible on Aerical Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6)	required) (C2) al Imagery (LRR A)
IYDROLO Vetland Hyd Vrimary India	cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (I	f one req	gery (B7)	V 1 1 S A A H C C P R S S	, 2, 4A, and salt Crust (B quatic Inver lydrogen Su bxidized Rhi. resence of decent Iron F	4B) 11) tebrates (B13) lfide Odor (C1 zospheres alor Reduced Iron (Reduction in P	(Except MLRA) ng Living Roots (C3) (C4) owed Soils (C6) (D1) (LRR A)	Secondary Indicators (2 or more Water stained Leaves (BS (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table Saturation Visible on Aeric Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5)	required) (C2) al Imagery (LRR A)
emarks: IYDROLO Vetland Hydrimary India	drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (I Inundation Visible on	f one req	gery (B7)	V 1 1 S A A H C C P R S S	, 2, 4A, and salt Crust (B quatic Inver lydrogen Su bxidized Rhi. resence of decent Iron F	11) tebrates (B13) lfide Odor (C1 zospheres alor Reduced Iron Reduction in P	(Except MLRA) ng Living Roots (C3) (C4) owed Soils (C6) (D1) (LRR A)	Secondary Indicators (2 or more and water stained Leaves (BS) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table Saturation Visible on Aerical Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6)	required) (C2) al Imagery (LRR A)
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ield Obser	Cators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (I Inundation Visible on Sparsely Vegetated Covations: Present? Yes resent? Yes sent? Yes	f one req	gery (B7) urface (B8) No <u>X</u>	VV 11 S A H C P R S C Depth (i	a, 2, 4A, and salt Crust (B equatic Inverse of lecent Iron Fettunted or Signature (Explainments):	11) tebrates (B13) lfide Odor (C1 zospheres aloi Reduced Iron of Reduction in Pitressed Plants in in Remarks)	(Except MLRA) ng Living Roots (C3) (C4) lowed Soils (C6) (D1) (LRR A)	Secondary Indicators (2 or more Water stained Leaves (BS (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table Saturation Visible on Aeric Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) Frost-Heave Hummocks (required) (C2) al Imagery (LRR A)
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WETLAND DETERMINATION DATA FORM - Western Mountains, Valleys, and Coast Region

Project/Site:	Sherwood	Industrial	Park	City/County:	Sherw	ood/Washington	Sam	oling Date:	10/6/	2021
Applicant/Owner:	OWRA Sh	erwood,	LLC			State	: OR	Sa	mpling Point:	16
nvestigator(s):		СМ		Section, To	wnship, Range:	Section 2	9D, Towns	- ship 2South,	Range 1We	st
andform (hillslope,	terrace, etc.:)		Ditch	_	Local relief (co	ncave, convex, none):	Co	ncave	Slope (%):	2
Subregion (LRR):		LRR A	1	Lat:	45.36	51 Long	ı: -12	2.8326	Datum:	WGS84
Soil Map Unit Name	e:		Quata	- ıma loam		NWIC	lassification		None	
Are climatic/hydrolog	gic conditions of	on the site t	pical for this tim	e of year?	Yes		o X	(if no, explain	in Remarks)	
Are vegetation	Soil	or Hy	drology	significantly dist	urbed?	Are "Normal Circumsta	nces" presei	nt? (Y/N)	Y	
Are vegetation	Soil	_	drology			l, explain any answers in F	•	(')		
	_	_				,, explain any amendra in .	tomamo,			
SUMMARY OF	FINDINGS	– Attac	h site map s	showing san	npling point	locations, transec	ts, impor	tant feature	es, etc.	
Hydrophytic Vegetat	tion Present?	Yes	X No		- 0 A					
Hydric Soil Present?	?	Yes	No	X	Is Sampled A a Wetla		s	No	Х	
Wetland Hydrology	Present?	Yes	X No							
Remarks: Pr	ecipitation is	s below n	ormal, which	is now comm	on. As such,	we make sure to eva	luate a dry	/-season wat	er table in a	reas of
	-					are present. The site	-			
	•	•	•			d storm facilities. The	•	•	•	pland slope
on site are not c					continual sn	eet flow from perviou	ıs upper s	lopes as bet	ore.	
VEGETATION	- USE SCIEI	itilic mai	absolute	Dominant	Indicator	Dominance Test we	orksheet:			
			% cover	Species?	Status					
<u>Γree Stratum</u> (plo	ot size:	30)				Number of Dominant Sp	pecies			
1 Populus bals	samifera		5	X	FAC	That are OBL, FACW, o	or FAC:	5	<u> </u>	A)
2										
3						Total Number of Domin				
4						Species Across All Stra	ta:	5	(В)
			5	= Total Cover						
Sapling/Shrub Strate	<u>um</u> (plot siz	e: 30	_)			Percent of Dominant Sp	ecies			
1 Populus bals	samifera		10	X	FAC	That are OBL, FACW,	or FAC:	100)%(A/B)
2										
3						Prevalence Index V	Vorksheet	•		
4						Total % Cover of	_	Multiply by:		
5						OBL Species	-	_ x1=	0	
			10	= Total Cover		FACW species FAC Species		x 2 = x 3 =	0	
Herb Stratum (plo	ot size:	10)				FACU Species		x 4 =	0	
1 Lotus cornic	ulatus		20	X	FAC	UPL Species		x 5 =	0	
2 Agrostis cap	illaris		10	Х	FAC	Column Totals	0	(A)	0 (В)
3 Holcus lanat	tus		10	Х	FAC					
					FACU	Prevalence Index	=B/A =	#DI\	V/0!	
4 Anthoxanthu	ım odoratun	1	5		.,,,,,,					
-	ım odoratun	1	5							
Anthoxanthu 5	um odoratun	<u>1</u>	5			Hydrophytic Vegeta	ation Indic	ators:		
5 6 7	um odoratun	<u> </u>	5				_1- Rapid T	est for Hydroph		
5	um odoratun	1				Hydrophytic Vegeta	_1- Rapid T _2- Domina	est for Hydroph nce Test is >50	%	
5 6 7	um odoratun	1	5	= Total Cover			1- Rapid T 2- Domina 3-Prevaler	est for Hydroph nce Test is >50 nce Index is ≤ 3.	% 0 ¹	
5 6 7 8		1		= Total Cover			1- Rapid T 2- Domina 3-Prevaler 4-Morpholo	est for Hydroph nce Test is >50 nce Index is ≤ 3. ogical Adaptatio	% 0 ¹ ons ¹ (provide su	
5 6 7 8 Moody Vine Stratun				= Total Cover			1- Rapid T 2- Domina 3-Prevaler 4-Morpholo data in Re	est for Hydroph nce Test is >50 nce Index is ≤ 3.	% 0 ¹ ons ¹ (provide su	
5 6 7 8				= Total Cover			1- Rapid T 2- Domina 3-Prevaler 4-Morpholo data in Re 5- Wetland	est for Hydroph nce Test is >50 nce Index is ≤ 3. ogical Adaptatic marks or on a s if Non-Vascular	% 0 ¹ ons ¹ (provide sueparate sheet) Plants ¹	upporting
5 6 7 8 Woody Vine Stratun				= Total Cover			1- Rapid T 2- Domina 3-Prevaler 4-Morpholo data in Re 5- Wetland	est for Hydroph nce Test is >50 nce Index is ≤ 3. ogical Adaptatic marks or on a s d Non-Vascular ic Hydrophytic \	% 0 ¹ ons ¹ (provide sueparate sheet) Plants ¹ /egetation ¹ (Ex	upporting plain)
5 6 7 8 Woody Vine Stratun			45			X Indicators of hydric soil disturbed or problematic	1- Rapid T 2- Domina 3-Prevaler 4-Morpholo data in Re 5- Wetland Problemat and wetland	est for Hydroph nce Test is >50 nce Index is ≤ 3. ogical Adaptatic marks or on a s d Non-Vascular ic Hydrophytic \	% 0 ¹ ons ¹ (provide sueparate sheet) Plants ¹ /egetation ¹ (Ex	upporting plain)
5 6 7 8 Woody Vine Stratun	<u>n</u> (plot size:		45			X Indicators of hydric soil	1- Rapid T 2- Domina 3-Prevaler 4-Morpholo data in Re 5- Wetland Problemat and wetland	est for Hydroph nce Test is >50 nce Index is ≤ 3. ogical Adaptation marks or on a s d Non-Vascular ic Hydrophytic \ d hydrology mus	% 0 ¹ ons ¹ (provide sueparate sheet) Plants ¹ /egetation ¹ (Ex	upporting plain)

Vegetation was only considered within the excavated ditch regime, so forested areas adjacent (Populus balsamifera) were not included in the canopy.

_			PHS#	729				Sampling Point: 16
Profile Descr	iption: (Describe to t	he depth i	needed to docume	nt the indic	ator or con	firm the abser	nce of indicators.)	
Depth	Matrix		 		Features 1	. 2	_	
(Inches)	Color (moist)	<u>%</u>	Color (moist)	<u></u> %	Type ¹	Loc ²	Texture	Remarks
0-8	10YR 3/3	100					Sandy Loam	
8-13	10YR 3/4	90	10YR 3/6	10	С	M	Loamy Sand	Coarse
13-17	10YR 3/4	85	10YR 3/6	10	С	M	Loamy Sand	Coarse
13-17	. <u> </u>		10YR 6/4		С	M	Loamy Sand	Coarse
	·							
	centration, D=Depletion							² Location: PL=Pore Lining, M=Matrix.
ydric Soil	Indicators: (Appli	cable to	all LRRs, unles				Indic	ators for Problematic Hydric Soils ³ :
	Histosol (A1)				andy Redo			2 cm Muck (A10)
	Histic Epipedon (A2)				tripped Mat			Red Parent Material (TF2)
	Black Histic (A3)				-	y Mineral (F1)	except MLRA 1)	Very Shallow Dark Surface (TF12)
	Hydrogen Sulfide (A4))		L	oamy Gleye	ed Matrix (F2)		Other (explain in Remarks)
	Depleted Below Dark	Surface (A	11)		epleted Ma	atrix (F3)		
	Thick Dark Surface (A	A12)		R	Redox Dark	Surface (F6)		3
	Sandy Mucky Mineral	(S1)			epleted Da	rk Surface (F7)		³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or
	Sandy Gleyed Matrix	(S4)		R	Redox Depre	essions (F8)		problematic.
epth (inche	-	till appea	ars to have stor	m flow pe	riodically	based on di	Hydric Soil Pres	
epth (inche emarks: Ild remnai	nt ditch present. S	till appea	ars to have stor	m flow pe	riodically	based on di		
epth (inche emarks: old remnai	nt ditch present. S		ars to have stor	m flow per	riodically	based on di		
emarks: Did remnar IYDROLO Vetland Hy	OGY	s:			riodically	based on di		and soil cracks.
emarks: Did remnar IYDROLO Vetland Hy	OGY rdrology Indicators	s:		nat apply)			rainage patterns a	and soil cracks. Secondary Indicators (2 or more required)
epth (inche emarks: old remnar	OGY rdrology Indicators cators (minimum of Surface Water (A1)	s: f one req		nat apply) v		ed Leaves (B9)		and soil cracks.
epth (inche emarks: old remnai	odd of the present. So of the present of the present. So of the present of the pr	s: f one req		nat apply) v 1	Vater staine	ed Leaves (B9)	rainage patterns a	Secondary Indicators (2 or more required) Water stained Leaves (B9)
epth (inche emarks: ild remnai	OGY rdrology Indicators cators (minimum of Surface Water (A1)	s: f one req		nat apply) V 1 S	Vater staine , 2, 4A, anc salt Crust (B	ed Leaves (B9)	rainage patterns a	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B)
epth (inche emarks: old remnai	ody rdrology Indicators cators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3)	s: f one req		hat apply) V 1 S	Vater staine , 2 , 4A , and falt Crust (B , quatic Inve	ed Leaves (B9) d 4B)	rainage patterns a	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) X Drainage Patterns (B10) Dry-Season Water Table (C2)
epth (inche emarks: old remnar	ody rdrology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1)	s: f one req		nat apply) V 1 S A	Vater staine , 2 , 4A , and alt Crust (B quatic Inversity	ed Leaves (B9) 1 4B) 311) rtebrates (B13) ulfide Odor (C1)	rainage patterns a	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) X Drainage Patterns (B10) Dry-Season Water Table (C2)
epth (inche emarks: old remnar	nt ditch present. S OGY rdrology Indicators cators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B	s: f one requ		nat apply) V 1 S A H	Vater staine , 2, 4A, and alt Crust (B quatic Inversity dydrogen Su Dxidized Rhi	ed Leaves (B9) 1 4B) 311) rtebrates (B13) ulfide Odor (C1)	(Except MLRA	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) X Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery
emarks: Did remnar IYDROLO Vetland Hy	nt ditch present. So OGY varology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3)	s: f one requ		hat apply) V 1 S A H C P	Vater staine , 2, 4A, and salt Crust (B , quatic Invel lydrogen Su)xidized Rhi Presence of	ed Leaves (B9) 14B) 111) 1rtebrates (B13) 1lfide Odor (C1) 1zospheres alor Reduced Iron ((Except MLRA	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) X Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery X Geomorphic Position (D2)
emarks: Did remnar IYDROLO Vetland Hy	nt ditch present. Some of the present of the presen	s: f one request.		hat apply) V 1 S A H C P R	Vater staine , 2, 4A, and alt Crust (B aquatic Inveitydrogen Su exidized Rhi eresence of decent Iron I	ed Leaves (B9) 14B) 111) 1rtebrates (B13) 1lfide Odor (C1) 1zospheres alor Reduced Iron ((Except MLRA Ing Living Roots (C3) C4) Lowed Soils (C6)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) X Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery X Geomorphic Position (D2) Shallow Aquitard (D3)
Primary Ind	nt ditch present. So OGY rdrology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5)	s: f one request. 2) 32) 4)	uired; check all tl	nat apply) V 1 S A H C P R S	Vater staine , 2, 4A, and salt Crust (B quatic Invertigation poxidized Rhi resence of decent Iron I stunted or S	ed Leaves (B9) 14B) 311) rtebrates (B13) ulfide Odor (C1) izospheres alor Reduced Iron ((Except MLRA Ing Living Roots (C3) C4) Lowed Soils (C6)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) X Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery X Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5)
Pepth (inche emarks: Did remnal HYDROLO Vetland Hy Primary Ind	nt ditch present. So DGY rdrology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (I	s: f one required: 2) 32) 4) B6) Aerial Image	uired; check all th	nat apply) V 1 S A H C P R S	Vater staine , 2, 4A, and salt Crust (B quatic Invertigation poxidized Rhi resence of decent Iron I stunted or S	ed Leaves (B9) d 4B) st11) rtebrates (B13) ulfide Odor (C1) izospheres alor Reduced Iron (Reduction in Pl tressed Plants	(Except MLRA Ing Living Roots (C3) C4) Lowed Soils (C6)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) X Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery X Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Pepth (inche emarks: Did remnal HYDROLO Vetland Hy Primary Ind	nt ditch present. So OGY rdrology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (I Inundation Visible on Sparsely Vegetated C	s: f one required: 2) 32) 4) B6) Aerial Image	uired; check all th	nat apply) V 1 S A H C P R S	Vater staine , 2, 4A, and salt Crust (B quatic Invertigation poxidized Rhi resence of decent Iron I stunted or S	ed Leaves (B9) d 4B) st11) rtebrates (B13) ulfide Odor (C1) izospheres alor Reduced Iron (Reduction in Pl tressed Plants	(Except MLRA Ing Living Roots (C3) C4) Lowed Soils (C6)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) X Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery X Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Pepth (inche lemarks: Did remnar HYDROLO Vetland Hy Primary Ind X	nt ditch present. Some of the present of the presen	s: f one required: 2) 32) 4) B6) Aerial Image	uired; check all th	nat apply) V 1 S A H C P R S	Vater staine , 2, 4A, and salt Crust (B equatic Invertigation Substitution Second Iron Instituted or Second Iron Ins	ed Leaves (B9) d 4B) st11) rtebrates (B13) ulfide Odor (C1) izospheres alor Reduced Iron (Reduction in Pl tressed Plants	(Except MLRA Ing Living Roots (C3) C4) Lowed Soils (C6)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) X Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery X Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Depth (inche demarks: Did remnal HYDROLO Vetland Hy Primary Ind X Sield Obse	nt ditch present. Some of the present of the presen	s: f one required: 2) 32) 4) B6) Aerial Image	uired; check all th	nat apply) V 1 S A H C P R S C	Vater staine , 2, 4A, and alt Crust (B aquatic Inveit lydrogen Su exidized Rhi eresence of execute Iron I stunted or S other (Expla	ed Leaves (B9) d 4B) st11) rtebrates (B13) ulfide Odor (C1) izospheres alor Reduced Iron (Reduction in Pl tressed Plants	rainage patterns a (Except MLRA Ing Living Roots (C3) C4) Ing C4 In	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) X Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery X Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
AYDROLO Vetland Hy Primary Ind X Sield Obse	nt ditch present. Some of the present of the presen	s: f one required: 2) 32) 4) B6) Aerial Image	uired; check all the gery (B7) urface (B8)	hat apply) V 1 S A H C P R S C Depth (i	Vater staine , 2, 4A, and calt Crust (B equatic Inverted of Secont Iron I stunted or S other (Explainment): nches):	ed Leaves (B9) 14B) 1311) 14ebrates (B13) 14fide Odor (C1) 12cospheres alor 15cospheres alor 16cduced Iron (16cduced Iron (16cduced Iron) 16cduced Iron 16cduced I	rainage patterns a (Except MLRA Ing Living Roots (C3) C4) Ing C4 In	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) X Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery X Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
X Field Obse Surface Water Table Is Saturation Pre-	nt ditch present. Some of the present of the presen	s: f one required: 2) 4) B6) Aerial Image concave Su	gery (B7) urface (B8) No X No X No X	hat apply) V 1 S A H C P R S C Depth (i	Vater staine , 2, 4A, and salt Crust (B squatic Invertigation of the control control of the control of the control of the control control of the control of the control of the control control of the control	ed Leaves (B9) d 4B) d11) rtebrates (B13) ulfide Odor (C1) izospheres alor Reduced Iron (Reduction in Pl tressed Plants in in Remarks) >17 0-1;>17	(Except MLRA Ing Living Roots (C3) C4) Ing Living Roots (C6) (D1) (LRR A) Wetland Hyde	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) X Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery X Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
AYDROLO Vetland Hy Primary Ind X Field Obse Surface Water Table Is Saturation Prencludes capilla	nt ditch present. Some of the present of the presen	s: f one required: 2) 4) B6) Aerial Image concave Su	gery (B7) urface (B8) No X No X No X	hat apply) V 1 S A H C P R S C Depth (i	Vater staine , 2, 4A, and salt Crust (B squatic Invertigation of the control control of the control of the control of the control control of the control of the control of the control control of the control	ed Leaves (B9) d 4B) d11) rtebrates (B13) ulfide Odor (C1) izospheres alor Reduced Iron (Reduction in Pl tressed Plants in in Remarks) >17 0-1;>17	(Except MLRA Ing Living Roots (C3) C4) Ing Living Roots (C6) (D1) (LRR A) Wetland Hyde	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) X Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery X Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
AYDROLO Vetland Hy Primary Ind X Field Obse Surface Water Table Is saturation Pre- noludes capilla	nt ditch present. Some of the present of the presen	s: f one required: 2) 4) B6) Aerial Image concave Su	gery (B7) urface (B8) No X No X No X	hat apply) V 1 S A H C P R S C Depth (i	Vater staine , 2, 4A, and salt Crust (B squatic Invertigation of Becent Iron Instituted or S bother (Explainches): nches): nches):	ed Leaves (B9) d 4B) d11) rtebrates (B13) ulfide Odor (C1) izospheres alor Reduced Iron (Reduction in Pl tressed Plants in in Remarks) >17 0-1;>17	(Except MLRA Ing Living Roots (C3) C4) Ing Living Roots (C6) (D1) (LRR A) Wetland Hyde	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) X Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery X Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)

PHS # 7296

Project/Site:	Sherwood In	ndustria	l Park	City/County:	Sherwo	ood/Washington	Sampling Date:	10/6/2	2021
Applicant/Owner:	OWRA She	erwood,	LLC			State:	OR	Sampling Point:	17
Investigator(s):		СМ		Section, To	wnship, Range:	Section 29D	Township 2Sou	uth, Range 1Wes	st
Landform (hillslope,	terrace, etc.:)		Depression	- on	Local relief (cor	ncave, convex, none):	Concave	Slope (%):	2
Subregion (LRR):		LRR /	A	Lat:	45.365	56 Long:	-122.8317	Datum:	WGS84
Soil Map Unit Name	:		Aloha	silt loam		NWI Clas	sification:	None	
Are climatic/hydrolo	gic conditions or	n the site t	typical for this tim	e of year?	Yes	No	X (if no, exp	lain in Remarks)	
Are vegetation	Soil	or Hy	ydrology	significantly dist	urbed?	Are "Normal Circumstance	es" present? (Y/N)	Υ	
Are vegetation	Soil	or Hy	ydrology	naturally proble	matic? If needed	, explain any answers in Rem	narks.)		
		_	· · · · · · · · · · · · · · · · · · ·	_					
SUMMARY OF	FINDINGS	– Attac	ch site map	showing san	npling point	locations, transects,	important feat	ures, etc.	
Hydrophytic Vegeta	tion Present?	Yes _	X No		Is Sampled Ar	ea within			
Hydric Soil Present?	?	Yes _	No No	X	a Wetlar			No <u>X</u>	
Wetland Hydrology	Present?	Yes	No.	X					
Remarks: Pr	ecipitation is	below r	normal, which	is now comm	on. As such,	we make sure to evalua	te a dry-season	water table in ar	eas of
	•			•	•	are present. The site is	•	•	
	-	_	_			I storm facilities. The go	•	_	piand slopes
VEGETATION					, continual on	cot now nom pervious	apper stopes us	DOTOTO .	
			absolute	Dominant	Indicator	Dominance Test work	sheet:		
			% cover	Species?	Status				
Tree Stratum (plo		30)	.,		Number of Dominant Speci		_ ,	• >
1 Populus bals	samifera		30	X	FAC	That are OBL, FACW, or FA	AC:	5 (/	A)
3						Total Number of Dominant			
<u></u>						Species Across All Strata:		8 (1	В)
			30	= Total Cover		opecies Across Air Otrata.		(,	٥,
0 11 101 1 01 1				10101 00101					
Sapling/Shrub Strat	- (1	: 30	_)	v	E40	Percent of Dominant Specie		000/	A (D)
1 Populus bals	_		<u>10</u> 5	<u> </u>	FAC (URL)	That are OBL, FACW, or F	-AC:	63% (/	A/B)
2 Cytisus scor			5	<u>x</u>	(UPL) FAC	Prevalence Index Wor	·kshoot·		
4 Salix sp	nucus		2		(UPL)	Total % Cover of	Multiply by	<i>r</i> ·	
5					(5: =)	OBL Species	x 1 =	0	
-			22	= Total Cover		FACW species	x 2 =	0	
						FAC Species	x 3 =	0	
Herb Stratum (plo	ot size:	10)			FACU Species	x 4 =	0	
1 Agrostis cap			60	X	FAC	UPL Species	x 5 =	0	
2 Holcus lanat				X	FAC	Column Totals	0 (A)	(E	3)
3 Leontodon s			20	<u> </u>	FACU		,	4D1) //OI	
4 Hypochaeris 5 Anthoxanthu			<u>20</u> 10	X	FACU	Prevalence Index =B/	A =	#DIV/0!	
6 Hypericum p			10		FACU	Hydrophytic Vegetation	n Indicators:		
7 Lotus cornic			5		FAC	1, , ,	Rapid Test for Hyd	rophytic Vegetation	
8	u.u.tuo						· Dominance Test is		
-			145	= Total Cover			Prevalence Index is		
						4-	Morphological Adap	tations¹ (provide su	pporting
Woody Vine Stratur	n (plot size:)			da	ata in Remarks or or	n a separate sheet)	
1							· Wetland Non-Vasc		
2						<u> </u>	roblematic Hydrophy		•
			0	= Total Cover		¹ Indicators of hydric soil and	d wetland hydrology	must be present, ur	nless
						disturbed or problematic. Hydrophytic			
% Bare Ground in H	lerb Stratum		0			Vegetation	Yes X	No _	
						Present?			
Remarks:									

rofile Descri	ption: (Describe to the	he depth :	needed to docume	ent the indica	ator or conf	firm the abse	nce of indicators.)	
Depth	Matrix				Features		noo or manoaroror,	
(Inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-5	10YR 3/3	98	10YR 5/6	2	С	М	Loamy Sand	Fine
5-10	2.5Y 5/3	95	10YR 5/6	5	С	М	Loamy Sand	Medium
10-12	10YR 3/3	100					Sand	
12-18	2.5Y 5/2	90	10YR 4/6	10	С	М	Sand	Coarse
								· ·
							· 	· -
								•
	centration, D=Depletio					l Grains.		² Location: PL=Pore Lining, M=Matrix.
lydric Soil	Indicators: (Appli	cable to	all LRRs, unles	s otherwis	e noted.)		Indic	ators for Problematic Hydric Soils ³ :
	Histosol (A1)			S	andy Redox	(S5)		2 cm Muck (A10)
	Histic Epipedon (A2)				tripped Matı			Red Parent Material (TF2)
	Black Histic (A3)			Lc	oamy Mucky	Mineral (F1)	(except MLRA 1)	Very Shallow Dark Surface (TF12)
	Hydrogen Sulfide (A4))		Lc	oamy Gleye	d Matrix (F2)		Other (explain in Remarks)
	Depleted Below Dark	Surface (A	(11)	D	epleted Mat	rix (F3)		
	Thick Dark Surface (A	.12)		R	edox Dark S	Surface (F6)		3
	Sandy Mucky Mineral	(S1)		D	epleted Dar	k Surface (F7)	³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or
	Sandy Gleyed Matrix ((S4)		R	edox Depre	ssions (F8)		problematic.
	Layer (if present):							
уре:								
emarks:	· -						Hydric Soil Pres	relict redox features in the soil. The entire
Pepth (inches emarks: Pepleted be rea is beco	elow 12 inches but oming inundated v							
epth (inches emarks: epleted be rea is beco	elow 12 inches but oming inundated v	with Sco						
emarks: Depleted be rea is become bec	elow 12 inches but oming inundated v GY drology Indicators	with Sco	tch broom and	other uplai				relict redox features in the soil. The entire
Depth (inches emarks: Depleted be rea is become BYDROLO Vetland Hy	elow 12 inches but oming inundated v GY drology Indicators cators (minimum of	with Sco	tch broom and	other uplar	nd shrubs	5.	out but still has	relict redox features in the soil. The entire Secondary Indicators (2 or more required)
Pepth (inches emarks: Pepleted be rea is beco IYDROLO Vetland Hy	elow 12 inches but oming inundated v GY drology Indicators cators (minimum of Surface Water (A1)	with Sco	tch broom and	other uplai	nd shrubs	d Leaves (B9)		relict redox features in the soil. The entire
Pepth (inches emarks: Pepleted be rea is beco EYDROLO Vetland Hy	elow 12 inches but oming inundated v GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2	with Sco	tch broom and	hat apply) W	/ater stained	d Leaves (B9)	out but still has	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B)
emarks: Depleted be rea is becc IYDROLO Vetland Hy	elow 12 inches but oming inundated v GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3)	with Sco	tch broom and	hat apply) W 1,	/ater stained , 2, 4A, and alt Crust (B	d Leaves (B9) 4B)	out but still has	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10)
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Pepth (inches emarks: Pepleted be rea is becc EYDROLO Vetland Hy	elow 12 inches but oming inundated v GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B	s: f one req)	tch broom and	hat apply) W 1, A	/ater stained , 2, 4A, and alt Crust (B' quatic Inver	d Leaves (B9) 4B) 11) tebrates (B13) Ifide Odor (C1)	out but still has (Except MLRA) ng Living Roots (C3)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (
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emarks: Depleted be rea is become bec	elow 12 inches but oming inundated value GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B Drift Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5)	s: f one req)	tch broom and	hat apply) W 1, Sa Ar H O Pr	/ater stained, 2, 4A, and alt Crust (B quatic Inverydrogen Su xidized Rhiz resence of I ecent Iron F	d Leaves (B9) 4B) 11) tebrates (B13) Ifide Odor (C1 zospheres alo Reduced Iron Reduction in P	out but still has (Except MLRA) ing Living Roots (C3) (C4)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (X) Geomorphic Position (D2)
Pepth (inches emarks: Pepleted be rea is becc EYDROLO Vetland Hy	elow 12 inches but oming inundated value GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B Drift Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (B	s: fone req)	uired; check all t	hat apply) W 1, A H O P R S S S S S S	/ater stained, 2, 4A, and alt Crust (Bequatic Inverydrogen Suixidized Rhizesence of lecent Iron Funted or St	d Leaves (B9) 4B) 111) tebrates (B13 Ifide Odor (C1 zospheres alo Reduced Iron Reduction in P	out but still has (Except MLRA) ing Living Roots (C3) (C4) owed Soils (C6) (D1) (LRR A)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (X) Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
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Pepth (inches emarks: Pepleted be rea is beco HYDROLO Vetland Hy	elow 12 inches but oming inundated with oming in the control of the cont	s: fone req) 2) Aerial Ima	uired; check all t	hat apply) W 1, A H O P R S S S S S S	/ater stained, 2, 4A, and alt Crust (Bequatic Inverydrogen Suixidized Rhizesence of lecent Iron Funted or St	d Leaves (B9) 4B) 111) tebrates (B13 Ifide Odor (C1 zospheres alo Reduced Iron Reduction in P	out but still has (Except MLRA) ing Living Roots (C3) (C4) owed Soils (C6) (D1) (LRR A)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (X Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
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7296

Project/Site:			City/County:	Sherwood/Washington		Samp	oling Date:	10/6/2021		
Applicant/Owner:					State	e: OR	_	Sampling Point: 18		
Investigator(s): CM			Section, To	Section, Township, Range: Section 29D,			, Township 2South, Range 1West			
Landform (hillslope	, terrace, etc.:)		Ditch	<u> </u>	Local relief (co	ncave, convex, none):	Co	ncave	Slope (%):	3
Subregion (LRR):		LRR	Α	Lat:	45.36	70 Lon	g: -12	2.8308	Datum:	WGS84
Soil Map Unit Name	e:		Quata	ma loam		NWI	Classification		 None	
Are climatic/hydrolc	ogic conditions or	n the site	typical for this time	e of year?	Yes	N	lo X	(if no, expla	in in Remarks)	
Are vegetation)	K Soil	or H	lydrology	significantly dist	urbed?	Are "Normal Circumsta	ances" preser	- nt? (Y/N)	Υ	
Are vegetation	Soil	or H		•		l, explain any answers in	Remarks.)			
_		_		•						
SUMMARY OF	FINDINGS	Atta	ch site map s	showing san	npling point	locations, transec	ts, impor	tant featu	res, etc.	
Hydrophytic Vegeta	ation Present?	Yes	No	X	Is Sampled Ar	oa within				
Hydric Soil Present	?	Yes	No	X	a Wetlai		es	_ ^	lo <u>X</u>	
Wetland Hydrology	Present?	Yes	No	X						
lower topograp that hydrology i	hy, or in areasis slowly bein conducive to	s where g diver retainin	hydrophytic v ted through sto g water, nor d	egetation and ormwater infra o they receive	l hydric soils astructure and	we make sure to eva are present. The site d storm facilities. Th eet flow from pervio	is surrour e geomorp	nded by ne hic positio	w developme on of gradual (nt. It is our BPJ
VEGETATION	000 001011	tino na	absolute	Dominant	Indicator	Dominance Test w	orksheet:			
			% cover	Species?	Status					
Tree Stratum (pl	ot size:	30)			Number of Dominant S	•			
1 Photinia sp			20	<u> </u>	(UPL)	That are OBL, FACW,	or FAC:		2	(A)
3						Total Number of Domir	ant			
4						Species Across All Stra			4	(B)
·			20	= Total Cover						(-)
Sapling/Shrub Stra	tum (plat size	. 20	\			Devent of Deminent C				
1 Rubus arme		: 30		X	FAC	Percent of Dominant S That are OBL, FACW,	•		50%	(A/B)
2	macus		100		170	That are OBL, I ACW,	orrac.		50 76	(7/0)
3						Prevalence Index \	Norksheet:	:		
4						Total % Cover of		Multiply by:		
5						OBL Species		x 1 =	0	
			100	= Total Cover		FACW species		x 2 =	0	
	at aiza.	10	١			FAC Species		x 3 =		
Herb Stratum (pl	-	10) 5	X	FACU	FACU Species UPL Species		x4 = x5 =	0	
2 Cirsium arve				<u> </u>	FAC	Column Totals	0	(A)		В)
3						Johanni Totalo		_('')		.= /
4						Prevalence Index	x =B/A =	#1	DIV/0!	
5										
6						Hydrophytic Veget	ation Indic	ators:		
7							1- Rapid T	est for Hydro	phytic Vegetation	ı
8								nce Test is >		
			10	= Total Cover				ice Index is ≤	3.01 itions ¹ (provide si	inporting
Woody Vine Stratu	m (plot size:)			-	_		a separate sheet)	
1	<u></u> (1							l Non-Vascul		
2						-	Problemati	ic Hydrophyti	c Vegetation ¹ (Ex	plain)
-			0	= Total Cover		¹ Indicators of hydric so disturbed or problemati		l hydrology m	ust be present, u	nless
% Bare Ground in I	Herb Stratum		90			Hydrophytic Vegetation Present?	Yes		No_	X
Remarks:						IL LESCHE!				

Hydrogen Sulfide (A4) Depleted Below Dark Surface (A11) Depleted Matrix Thick Dark Surface (A12) Redox Dark Surface (A12) Sandy Mucky Mineral (S1) Depleted Dark Sandy Gleyed Matrix (S4) Redox Depress Restrictive Layer (if present): Type: Depth (inches): Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Salt Crust (B11 Water Marks (B1) Aquatic Inverte Sediment Deposits (B2) Hydrogen Sulfix Algal Mat or Crust (B4) Iron Deposits (B5) Recent Iron Re	M Loamy Sand Fin. M Loamy Sand Coa M Loamy Sand Coa M Loamy Sand Coa Indicators (S6)	arse arse ation: PL=Pore Lining, M=Matrix. for Problematic Hydric Soils ³ :			
Color (moist)	M Loamy Sand Find M Loamy Sand Coa M Loamy Sand Coa Indicators (15) (S6)	arse arse ation: PL=Pore Lining, M=Matrix. for Problematic Hydric Soils ³ :			
11-16	M Loamy Sand Find M Loamy Sand Coa M Loamy Sand Coa Indicators (15) (S6)	arse arse ation: PL=Pore Lining, M=Matrix. for Problematic Hydric Soils ³ :			
11-16 11-16	M Loamy Sand Coa M Loamy Sand Coa rains. 2Loca Indicators (15) (S6)	arse arse ation: PL=Pore Lining, M=Matrix. for Problematic Hydric Soils ³ :			
11-16	M Loamy Sand Coa	ation: PL=Pore Lining, M=Matrix. for Problematic Hydric Soils ³ :			
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand C Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Sandy Redox (Histic Epipedon (A2) Stripped Matrix Black Histic (A3) Loamy Mucky I Depleted Below Dark Surface (A11) Depleted Matrix Thick Dark Surface (A12) Redox Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Restrictive Layer (if present): Type: Depth (inches): Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Salt Crust (B11 Aquatic Inverte Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Recent Iron Re Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No X Depth (inches):	rains. ² Loca Indicators (ation: PL=Pore Lining, M=Matrix. for Problematic Hydric Soils ³ :			
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Black Histic (A3) Loamy Mucky I Hydrogen Sulfide (A4) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Restrictive Layer (if present): Type: Depth (inches): Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Satt Crust (B1) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No X Depth (inches):	Indicators (for Problematic Hydric Soils ³ :			
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Sandy Redox (Histic Epipedon (A2) Black Histic (A3) Loamy Mucky I Hydrogen Sulfide (A4) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Restrictive Layer (if present): Type: Depth (inches): Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No X Depth (inches):	Indicators (for Problematic Hydric Soils ³ :			
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Sandy Redox (Histic Epipedon (A2) Black Histic (A3) Loamy Mucky I Hydrogen Sulfide (A4) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Restrictive Layer (if present): Type: Depth (inches): Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No X Depth (inches):	Indicators (for Problematic Hydric Soils ³ :			
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Histosol (A2) Sandy Redox (Histic Epipedon (A2) Black Histic (A3) Loamy Mucky I Hydrogen Sulfide (A4) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Restrictive Layer (if present): Type: Depth (inches): Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No X Depth (inches):	Indicators (for Problematic Hydric Soils ³ :			
Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Redox Depress Restrictive Layer (if present): Type: Depth (inches): Remarks: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No X Depth (inches):	(S6)	•			
Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Redox Depress Restrictive Layer (if present): Type: Depth (inches): Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Satt Crust (B11) Water Marks (B1) Aquatic Inverte Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No X Depth (inches):	(S6)				
Black Histic (A3) Loamy Mucky I Hydrogen Sulfide (A4) Loamy Gleyed Depleted Below Dark Surface (A11) Depleted Matrix Thick Dark Surface (A12) Redox Dark Surface (A12) Sandy Mucky Mineral (S1) Depleted Dark Sandy Gleyed Matrix (S4) Redox Depress Restrictive Layer (if present): Type: Depth (inches): Remarks: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Water stained II High Water Table (A2) 1, 2, 4A, and 4 Saturation (A3) Salt Crust (B11 Water Marks (B1) Aquatic Inverte Sediment Deposits (B2) Hydrogen Sulfix Drift Deposits (B3) Oxidized Rhizo Algal Mat or Crust (B4) Presence of Research Iron Deposits (B5) Recent Iron Research Iron Research Inundation Visible on Aerial Imagery (B7) Other (Explain Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No X Depth (inches):		2 cm Muck (A10)			
Hydrogen Sulfide (A4) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Redox Depress Restrictive Layer (if present): Type: Depth (inches): Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Salt Crust (B11 Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No X Depth (inches):	inoral (E4) (Red Parent Material (TF2)			
Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Depleted Dark Sandy Gleyed Matrix (S4) Redox Depress Restrictive Layer (if present): Type: Depth (inches): Remarks: Redox Depress Redox Depre	ineral (F1) (except MLRA 1)	Very Shallow Dark Surface (TF12)			
Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Depleted Dark Sandy Gleyed Matrix (S4) Redox Depress Restrictive Layer (if present): Type: Depth (inches): Remarks: Redox Depress Redox Depre	Matrix (F2)	Other (explain in Remarks)			
Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Redox Depress Restrictive Layer (if present): Popth (inches): Remarks: RYDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Salt Crust (B11) Water Marks (B1) Aquatic Inverte Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Recent Iron Re Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: urface Water Present? Yes No X Depth (inches):					
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Redox Depress Restrictive Layer (if present): Repth (inches): Remarks: RYDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Salt Crust (B11) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: urface Water Present? Yes No X Depth (inches):					
Sandy Gleyed Matrix (S4) Redox Depress Restrictive Layer (if present): Sype: Septh (inches): Remarks: RYDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Satt Crust (B11 Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Recont Inches): Irield Observations: urface Water Present? Yes No X Depth (inches):	³ Indic	cators of hydrophytic vegetation and wetland			
Restrictive Layer (if present): Pype: Pepth (inches): Pepth (inches): Permarks: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Satt Crust (B11) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Urface Water Present? Yes No X Depth (inches):	nyar	hydrology must be present, unless disturbed or			
Pepth (inches): Pepth (inches):	лів (го)	problematic.			
Pepth (inches): emarks: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Ield Observations: urface Water Present? Yes No X Depth (inches):					
AYDROLOGY Vetland Hydrology Indicators: Drimary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations:					
HYDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations:	Hydric Soil Present?	Yes No X			
Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes Water stained Water stained In Apply (B1) Aquatic Inverte Aquatic Inverte (B1) Aquatic Inverte (B2) Aquatic Inverte (B1) Aquatic Inve					
Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Water stained I 1, 2, 4A, and 4 Aquatic Inverte Hydrogen Sulfic Oxidized Rhizo Presence of Re Recent Iron Re Stunted or Stre Other (Explain Sparsely Vegetated Concave Surface (B8)	Sec	condary Indicators (2 or more required)			
High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No X Salt Crust (B11 Aquatic Inverte Hydrogen Sulfic Oxidized Rhizo Presence of Re Recent Iron Re Stunted or Stre Other (Explain Sparsely Vegetated Concave Surface (B8)	eaves (B9) (Except MLRA	Water stained Leaves (B9)			
Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Self Crust (B1) Aquatic Inverte Aquatic Inverte Presence of Re Recent Iron Re Stunted or Stre Other (Explain Sparsely Vegetated Concave Surface (B8)		(MLRA1, 2, 4A, and 4B)			
Water Marks (B1) Sediment Deposits (B2) Hydrogen Sulfie Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) ield Observations: urface Water Present? Yes No X Depth (inches):		Drainage Patterns (B10)			
Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) ield Observations: urface Water Present? Yes No X Depth (inches):		Dry-Season Water Table (C2)			
Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Tield Observations: urface Water Present? Yes No X Depth (inches):		Saturation Visible on Aerial Image			
Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Sield Observations: urface Water Present? Yes No X Depth (inches):	pheres along Living Roots (C3)	X Geomorphic Position (D2)			
Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Cield Observations: urface Water Present? Yes No X Depth (inches):		Shallow Aquitard (D3)			
Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Sield Observations: Surface Water Present? Yes No X Depth (inches):					
Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Furface Water Present? Yes No X Depth (inches):	ustion in Dlawad Caile (CC)	Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)			
Sparsely Vegetated Concave Surface (B8) Field Observations: Furface Water Present? Yes No X Depth (inches):	luction in Plowed Soils (C6)				
Surface Water Present? Yes NoX Depth (inches):	sed Plants (D1) (LRR A)	Frost-Heave Hummocks (D7)			
Surface Water Present? Yes NoX Depth (inches):	sed Plants (D1) (LRR A)				
	sed Plants (D1) (LRR A)				
	sed Plants (D1) (LRR A)				
Saturation Present? Yes No X Depth (inches):	n Remarks)	v Present?			
includes capillary fringe)	>16 Wetland Hydrology				
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections	n Remarks)	y Present? Yes NoX			
, 5 3 3 3 4 4	>16 >16 Wetland Hydrology				
	>16 >16 Wetland Hydrology				
a manufest	>16 >16 Wetland Hydrology				
emarks:	>16 >16 Wetland Hydrology				

7296

Project/Site: Sherwood Industrial Park Applicant/Owner: OWRA Sherwood, LLC		City/County:	Sherwood/Washington		Samplii	ng Date:	10/6/2021 Sampling Point: 19			
				State	OR	S				
nvestigator(s): CM			Section, To	Section, Township, Range: Section 29D		D, Townsh	D, Township 2South, Range 1West			
Landform (hillslope	e, terrace, etc.:)		Slope	_	Local relief (cor	ncave, convex, none):	Con	cave	Slope (%):	2
Subregion (LRR):		LRR	A	Lat:	45.366	Long:	-122.	8325	Datum:	WGS84
Soil Map Unit Name	e:		Aloha	- ı silt loam		NWI C	assification:		None	
Are climatic/hydrolo	ogic conditions o	n the site	typical for this tim	ne of year?	Yes	No.	X (f no, explai	n in Remarks)	
Are vegetation	Soil	or H	ydrology	significantly dist	urbed?	Are "Normal Circumstar	nces" present?	(Y/N)	Υ	
Are vegetation	Soil	or H	ydrology	 naturally proble 	matic? If needed	, explain any answers in R	emarks.)			
SUMMARY OF	F FINDINGS	– Atta	ch site map	showing san	npling point	locations, transect	s, importa	nt featu	res, etc.	
Hydrophytic Vegeta	ation Present?	Yes -	X No		Is Sampled Ar	ea within				
Hydric Soil Present	t?	Yes	X No		a Wetland? Yes_		X	N	0	
Wetland Hydrology	Present?	Yes	X No							
						we make sure to eval are present. The site				
						I storm facilities. The				
			-	-	continual sh	eet flow from perviou	s upper slo	pes as be	efore.	
VEGETATION	- Use scien	tific na	•			T				
			absolute % cover	Dominant Species?	Indicator Status	Dominance Test wo	rksheet:			
Tree Stratum (pl	lot size:)	ороског.		Number of Dominant Sp	ecies			
1						That are OBL, FACW, o	r FAC:		1 ((A)
2							_			
3						Total Number of Domina	nt			
4						Species Across All Strat	a:		1 ((B)
			0	= Total Cover						
Sapling/Shrub Stra	<u>ıtum</u> (plot size	:	_)			Percent of Dominant Sp	ecies			
1						That are OBL, FACW, o	or FAC:	10	00%((A/B)
2										
3						Prevalence Index W		4 4 ² 1 1		
5						Total % Cover of OBL Species	_ <u> </u>	fultiply by: x 1 =	_ 0	
³				= Total Cover		FACW species	-	x 2 =		
				rotal Gover		FAC Species		x 3 =	0	
Herb Stratum (pl	lot size:	10)			FACU Species		x 4 =	0	
1 Phalaris aru	ındinacea		100	X	FACW	UPL Species		x 5 =	0	
2 Dipsacus fu	llonum		5		FAC	Column Totals	(۹)	(B)
3								""	D //01	
5						Prevalence Index :	=B/A =	#1	IV/0!	
6						Hydrophytic Vegeta	tion Indicat	ors:		
7						l i jui opii juo rogota			hytic Vegetation	
8						x	_ · 2- Dominand		-	
			105	= Total Cover			3-Prevalence			
							-		tions ¹ (provide su	
							data in Rema	irks or on a	separate sheet)	
Woody Vine Stratu	m (plot size:		_)						1	
1	m (plot size:)				5- Wetland N			
	m (plot size:			- Total Cour		Indicators of budgings:	Problematic	Hydrophytic	: Vegetation ¹ (Ex	
1	m (plot size:		0	= Total Cover		¹ Indicators of hydric soil disturbed or problematic	Problematic and wetland h	Hydrophytic	: Vegetation ¹ (Ex	
12				= Total Cover		disturbed or problematic Hydrophytic	Problematic and wetland h	Hydrophytic	: Vegetation ¹ (Exust be present, u	
1			0	= Total Cover		disturbed or problematic	Problematic and wetland h	Hydrophytic	: Vegetation ¹ (Ex	

			PHS#	72	96			Sampling Point:	19
Profile Descri	ption: (Describe to tl	he depth	needed to docume	nt the indic	ator or con	firm the abse	nce of indicators.)		
Depth	Matrix				Features	. 2			
(Inches)	Color (moist)	%	Color (moist)	%	Type	Loc ²	Texture	Remarks	
0-7	7.5YR 2.5/2	93	7.5YR 4/6	5	<u> </u>	M	Sandy Loam	Fine	
0-7			7.5YR 4/6	2	<u> </u>	PL	Sandy Loam	Fine	
7-16	7.5YR 3/2	90	7.5YR 3/4	10	<u> </u>	M	Loamy Sand	Coarse	
Type: C=Con	centration, D=Depletio	on. RM=R	educed Matrix. CS=	Covered or	Coated Sand	d Grains.		² Location: PL=Pore Lining, M=Matrix	<u> </u>
**	Indicators: (Applie	-					Indic	ators for Problematic Hydric Sc	_
-	Histosol (A1)				Sandy Redox	(S5)		2 cm Muck (A10)	
	Histic Epipedon (A2)				Stripped Matı			Red Parent Material (T	F2)
	Black Histic (A3)			$\overline{}$		` ,	except MLRA 1)	Very Shallow Dark Surl	•
	Hydrogen Sulfide (A4)					d Matrix (F2)	, 5.1.5 op 1 ,	Other (explain in Rema	
			۸11)		Depleted Mat			Other (explain in Nema	iko)
	Depleted Below Dark	•	A11)		=				
	Thick Dark Surface (A	•			Redox Dark S			³ Indicators of hydrophytic vegetation	and wetland
	Sandy Mucky Mineral				· ·	k Surface (F7)		hydrology must be present, unless d	
	Sandy Gleyed Matrix ((S4)			Redox Depre	ssions (F8)		problematic.	
Restrictive	Layer (if present):								
Туре:									
					-				
Depth (inches	5).						Hydric Soil Pres	sent? Yes X No	
	5)				-		Hydric Soil Pres	sent? Yes <u>X</u> No_	
Remarks:					-		Hydric Soil Pres	sent? Yes <u>X</u> No	
Remarks: HYDROLO Wetland Hy	GY drology Indicators				-		Hydric Soil Pres		
HYDROLO Wetland Hy Primary India	GY drology Indicators cators (minimum of		juired; check all tl		-			Secondary Indicators (2 or mor	
HYDROLO Wetland Hy Primary India	drology Indicators cators (minimum of Surface Water (A1)	one req	juired; check all th	\	- Water stained		Hydric Soil Pres		[B9)
HYDROLO Wetland Hy	drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2	one req	juired; check all th		1, 2, 4A, and	4B)		Secondary Indicators (2 or mor Water stained Leaves ((MLRA1, 2, 4A, and 4	(B9) B)
HYDROLO Wetland Hy	drology Indicators cators (minimum of Surface Water (A1)	one req	juired; check all th		1, 2, 4A, and Salt Crust (B	4B)	(Except MLRA	Secondary Indicators (2 or mor Water stained Leaves (B9) B)
HYDROLO Wetland Hy Primary India	drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3)	one req	juired; check all th		1, 2, 4A, and Salt Crust (B Aquatic Inver	4B) 11)	(Except MLRA	Secondary Indicators (2 or mor Water stained Leaves ((MLRA1, 2, 4A, and 4 Drainage Patterns (B10)	(B9) B) (D) (D)
HYDROLO Wetland Hy	drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B	one req	uired; check all tl		1, 2, 4A, and Salt Crust (B' Aquatic Inver Hydrogen Su	4B) 11) tebrates (B13) lfide Odor (C1	(Except MLRA	Secondary Indicators (2 or mor Water stained Leaves ((MLRA1, 2, 4A, and 4 Drainage Patterns (B10 Dry-Season Water Tab Saturation Visible on A	B9) B) 0) le (C2) erial Imagery (
HYDROLO Wetland Hy	drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B Drift Deposits (B3)	one req	juired; check all th		1, 2, 4A, and Salt Crust (B Aquatic Inver Hydrogen Su Oxidized Rhiz	4B) 11) tebrates (B13) lfide Odor (C1 zospheres alor	(Except MLRA	Secondary Indicators (2 or mor Water stained Leaves ((MLRA1, 2, 4A, and 4) Drainage Patterns (B10) Dry-Season Water Tab Saturation Visible on Active Ac	B9) B) 0) le (C2) erial Imagery (
HYDROLO Wetland Hy Primary India	drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B Drift Deposits (B3) Algal Mat or Crust (B4	one req	juired; check all tl		1, 2, 4A, and Salt Crust (B' Aquatic Inver Hydrogen Su Oxidized Rhiz Presence of I	4B) 11) tebrates (B13) lfide Odor (C1 zospheres alor Reduced Iron ((Except MLRA) ng Living Roots (C3) C4)	Secondary Indicators (2 or mor Water stained Leaves ((MLRA1, 2, 4A, and 4 Drainage Patterns (B10 Dry-Season Water Tab Saturation Visible on Act X Geomorphic Position (I Shallow Aquitard (D3)	B9) B) 0) le (C2) erial Imagery (
HYDROLO Wetland Hy	drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B Drift Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5)	one req	juired; check all th		1, 2, 4A, and Salt Crust (B Aquatic Inver Hydrogen Su Oxidized Rhiz Presence of I Recent Iron F	4B) 11) tebrates (B13) lfide Odor (C1 zospheres alor Reduced Iron (Reduction in Pl	(Except MLRA Ing Living Roots (C3) C4) Owed Soils (C6)	Secondary Indicators (2 or mor Water stained Leaves ((MLRA1, 2, 4A, and 4) Drainage Patterns (B10) Dry-Season Water Tab Saturation Visible on At X Geomorphic Position (I Shallow Aquitard (D3) X Fac-Neutral Test (D5)	(B9) (B) (D) (B) (C2) (D2)
HYDROLO Wetland Hy	drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B Drift Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (B	one req			1, 2, 4A, and Salt Crust (B Aquatic Inver Hydrogen Su Oxidized Rhiz Presence of I Recent Iron F	4B) 11) tebrates (B13) lfide Odor (C1 zospheres alor Reduced Iron (Reduction in Pl ressed Plants	(Except MLRA Ing Living Roots (C3) C4) Ing Living Roots (C6) (C1) (LRR A)	Secondary Indicators (2 or mor Water stained Leaves ((MLRA1, 2, 4A, and 4) Drainage Patterns (B10) Dry-Season Water Tab Saturation Visible on A X Geomorphic Position (I Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D6)	(B9) B) (B9) (B9) (B) (B) (C2) (C2) (C2) (C2) (C3) (C4) (C4) (C5) (C4) (C5) (C5) (C6) (C7) (C7)
HYDROLO Wetland Hy	drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B Drift Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5)	one required () 2) 36) Aerial Image	ngery (B7)		1, 2, 4A, and Salt Crust (B Aquatic Inver Hydrogen Su Oxidized Rhiz Presence of I Recent Iron F	4B) 11) tebrates (B13) lfide Odor (C1 zospheres alor Reduced Iron (Reduction in Pl	(Except MLRA Ing Living Roots (C3) C4) Ing Living Roots (C6) (C1) (LRR A)	Secondary Indicators (2 or mor Water stained Leaves ((MLRA1, 2, 4A, and 4) Drainage Patterns (B10) Dry-Season Water Tab Saturation Visible on At X Geomorphic Position (I Shallow Aquitard (D3) X Fac-Neutral Test (D5)	B9) B) Ille (C2) erial Imagery (22)
HYDROLO Wetland Hy	drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (B Inundation Visible on A	one required () 2) 36) Aerial Image	ngery (B7)		1, 2, 4A, and Salt Crust (B Aquatic Inver Hydrogen Su Oxidized Rhiz Presence of I Recent Iron F	4B) 11) tebrates (B13) lfide Odor (C1 zospheres alor Reduced Iron (Reduction in Pl ressed Plants	(Except MLRA Ing Living Roots (C3) C4) Ing Living Roots (C6) (C1) (LRR A)	Secondary Indicators (2 or mor Water stained Leaves ((MLRA1, 2, 4A, and 4) Drainage Patterns (B10) Dry-Season Water Tab Saturation Visible on A X Geomorphic Position (I Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D6)	(B9) (LRR A)
HYDROLO Wetland Hy Primary India	drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (E Inundation Visible on A Sparsely Vegetated C vations:	one required () 2) 36) Aerial Image	ngery (B7) urface (B8)		1, 2, 4A, and Salt Crust (B: Aquatic Inver- Hydrogen Su Dxidized Rhiz Presence of I Recent Iron F Stunted or St Other (Explai	4B) 11) tebrates (B13) lfide Odor (C1 zospheres alor Reduced Iron (Reduction in Pl ressed Plants	(Except MLRA Ing Living Roots (C3) C4) Ing Living Roots (C6) (C1) (LRR A)	Secondary Indicators (2 or mor Water stained Leaves ((MLRA1, 2, 4A, and 4) Drainage Patterns (B10) Dry-Season Water Tab Saturation Visible on A X Geomorphic Position (I Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D6)	(B9) (LRR A)
HYDROLO Wetland Hy Primary India	drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (E Inundation Visible on A Sparsely Vegetated C vations: Present? Yes	one required () 2) 36) Aerial Image	igery (B7) urface (B8) No <u>X</u>	X (1, 2, 4A, and Salt Crust (B' Aquatic Inver Hydrogen Su Dxidized Rhiz Presence of I Recent Iron F Stunted or St Other (Explai	4B) 11) tebrates (B13) lfide Odor (C1 zospheres alor Reduced Iron (Reduction in Pl ressed Plants n in Remarks)	(Except MLRA Ing Living Roots (C3) C4) Ing Cowed Soils (C6) (D1) (LRR A)	Secondary Indicators (2 or mor Water stained Leaves ((MLRA1, 2, 4A, and 4) Drainage Patterns (B10) Dry-Season Water Tab Saturation Visible on At X Geomorphic Position (I Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D6) Frost-Heave Hummock	(B9) (LRR A)
HYDROLO Wetland Hy Primary India	drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (E Inundation Visible on a Sparsely Vegetated C vations: Present? Yes	one required () 2) 36) Aerial Image	ngery (B7) urface (B8) No X	X Depth (1, 2, 4A, and Salt Crust (B Aquatic Inver Hydrogen Su Dxidized Rhiz Presence of I Recent Iron F Stunted or St Other (Explai	4B) 11) tebrates (B13) lfide Odor (C1 zospheres alor Reduced Iron (Reduction in Pl ressed Plants n in Remarks)	(Except MLRA Ing Living Roots (C3) C4) Ing Cowed Soils (C6) (D1) (LRR A)	Secondary Indicators (2 or mor Water stained Leaves ((MLRA1, 2, 4A, and 4 Drainage Patterns (B10 Dry-Season Water Tab Saturation Visible on A X Geomorphic Position (I Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D0 Frost-Heave Hummock	B9) B) D) le (C2) erial Imagery (C2) D2)
Primary Indi	drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (E Inundation Visible on A Sparsely Vegetated C vations: Present? Yes resent? Yes sent? Yes	one required () 2) 36) Aerial Image	igery (B7) urface (B8) No <u>X</u>	X Depth (1, 2, 4A, and Salt Crust (B' Aquatic Inver Hydrogen Su Dxidized Rhiz Presence of I Recent Iron F Stunted or St Other (Explai	4B) 11) tebrates (B13) lfide Odor (C1 zospheres alor Reduced Iron (Reduction in Pl ressed Plants n in Remarks)	(Except MLRA Ing Living Roots (C3) C4) Ing Cowed Soils (C6) (D1) (LRR A)	Secondary Indicators (2 or mor Water stained Leaves ((MLRA1, 2, 4A, and 4) Drainage Patterns (B10) Dry-Season Water Tab Saturation Visible on At X Geomorphic Position (I Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D6) Frost-Heave Hummock	B9) B) D) le (C2) erial Imagery (D2)
HYDROLO Wetland Hy Primary India Field Obser Surface Water Water Table P Saturation Pre (includes capillate)	drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (E Inundation Visible on A Sparsely Vegetated C vations: Present? Yes resent? Yes sent? Yes	one req	ngery (B7) urface (B8) No X No X No X	Depth (1, 2, 4A, and Salt Crust (B: Aquatic Inver- Hydrogen Su Dxidized Rhiz Presence of It Recent Iron F Stunted or St Other (Explain Inches): Inches): Inches): Inches):	4B) 11) tebrates (B13) Iffide Odor (C1 zospheres alor Reduced Iron (Reduction in Pl ressed Plants n in Remarks) >16 >16 >16	(Except MLRA Ing Living Roots (C3) C4) owed Soils (C6) (D1) (LRR A) Wetland Hyd	Secondary Indicators (2 or mor Water stained Leaves ((MLRA1, 2, 4A, and 4 Drainage Patterns (B10 Dry-Season Water Tab Saturation Visible on A X Geomorphic Position (I Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D0 Frost-Heave Hummock	B9) B) D) le (C2) erial Imagery (D2)
HYDROLO Wetland Hy Primary India Field Obser Surface Water Water Table P Saturation Pre (includes capillate)	drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (E Inundation Visible on a Sparsely Vegetated C vations: Present? Yes Iresent? Yes Sent? Yes Type Tringe)	one req	ngery (B7) urface (B8) No X No X No X	Depth (1, 2, 4A, and Salt Crust (B: Aquatic Inver- Hydrogen Su Dxidized Rhiz Presence of It Recent Iron F Stunted or St Other (Explain Inches): Inches): Inches): Inches):	4B) 11) tebrates (B13) Iffide Odor (C1 zospheres alor Reduced Iron (Reduction in Pl ressed Plants n in Remarks) >16 >16 >16	(Except MLRA Ing Living Roots (C3) C4) owed Soils (C6) (D1) (LRR A) Wetland Hyd	Secondary Indicators (2 or mor Water stained Leaves ((MLRA1, 2, 4A, and 4 Drainage Patterns (B10 Dry-Season Water Tab Saturation Visible on A X Geomorphic Position (I Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D0 Frost-Heave Hummock	B9) B) D) le (C2) erial Imagery (C2) D2)
HYDROLO Wetland Hy Primary India Field Obser Surface Water Water Table P Saturation Pre (includes capillate)	drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (E Inundation Visible on a Sparsely Vegetated C vations: Present? Yes Iresent? Yes Sent? Yes Type Tringe)	one req	ngery (B7) urface (B8) No X No X No X	Depth (1, 2, 4A, and Salt Crust (B: Aquatic Inver- Hydrogen Su Dxidized Rhiz Presence of It Recent Iron F Stunted or St Other (Explain Inches): Inches): Inches): Inches):	4B) 11) tebrates (B13) Iffide Odor (C1 zospheres alor Reduced Iron (Reduction in Pl ressed Plants n in Remarks) >16 >16 >16	(Except MLRA Ing Living Roots (C3) C4) owed Soils (C6) (D1) (LRR A) Wetland Hyd	Secondary Indicators (2 or mor Water stained Leaves ((MLRA1, 2, 4A, and 4 Drainage Patterns (B10 Dry-Season Water Tab Saturation Visible on A X Geomorphic Position (I Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D0 Frost-Heave Hummock	(B9) (LRR A)

Project/Site:	Sherwood I	ndustria	l Park	City/County:	Sherw	ood/Washington	Sampling Date:	10/6/2	2021
Applicant/Owner:	OWRA She	erwood,	LLC			State:	OR	Sampling Point:	20
Investigator(s):		СМ		Section, To	wnship, Range:	Section 29D	, Township 2So	uth, Range 1We	st
Landform (hillslope	, terrace, etc.:)		Slope	•		ncave, convex, none):	None	Slope (%):	2
Subregion (LRR):	,	LRR	 A	Lat:	45.36	64 Long:	-122.8325	Datum:	WGS84
Soil Map Unit Name	e:		Aloha	silt loam			sification:	None	
Are climatic/hydrolo		n the site			Yes	No		lain in Remarks)	
Are vegetation	Soil		ydrology	significantly dist		Are "Normal Circumstance		Υ	
_		_	· · · —	•		l, explain any answers in Ren		<u> </u>	
Are vegetation	Soil	_ 01 11	ydrology	Inaturally proble	nauc? ii needed	i, explain any answers in Ren	ilaiks.)		
SUMMARY OF	FINDINGS	– Atta	ch site map s	showing san	npling point	locations, transects,	important fea	tures, etc.	
Hydrophytic Vegeta	ation Present?	Yes	X No						
Hydric Soil Present	?	Yes	No	x	Is Sampled A			No X	
Wetland Hydrology	Present?	Yes	No	x	a Would	_			
, ,,		helow i			on As such	we make sure to evalua	ate a dry-season	water table in a	roas of
	-					are present. The site is	-		
	• .		, , ,	•	•	d storm facilities. The g	•	•	
					continual sh	eet flow from pervious	upper slopes as	before.	
VEGETATION	- Use scien	tific na	mes of plant	s.		_			
			absolute	Dominant Species?	Indicator Status	Dominance Test work	sheet:		
Tree Stratum (pl	ot size:	30	% cover	Species?	Status	Number of Dominant Spec	ies		
1 Populus bal			5	X	FAC	That are OBL, FACW, or F		3 (A)
2 Alnus rubra			1		FAC			(,
3						Total Number of Dominant			
4						Species Across All Strata:		5 (В)
			6	= Total Cover				,	,
Sapling/Shrub Stra	tum (plot size	: 30	1			Percent of Dominant Speci	ios		
1 Rubus arme			- ′ 5	X	FAC	That are OBL, FACW, or I		60% (/	A/B)
2 Cytisus sco			5	$\frac{x}{x}$	(UPL)	That are OBL, I ACVV, OF	AC	0078	~(0)
3	pariao				(0. 2)	Prevalence Index Wo	rksheet:		
4						Total % Cover of	Multiply b	v:	
5						OBL Species	x 1 =		
_			10	= Total Cover		FACW species	x 2 =	0	
						FAC Species	x 3 =	0	
Herb Stratum (pl	ot size:	10)			FACU Species	x 4 =	0	
1 Anthoxanth	um odoratum		30	X	FACU	UPL Species	x 5 =	0	
2 Agrostis cap			30	X	FAC	Column Totals	0 (A)	(i	В)
3 Hypericum p			20		FACU				
4 Madia glome			10		FACU	Prevalence Index =B	/A =	#DIV/0!	
5 Leucanthem			10		FACU	I bada a da di a Manadadi	lll4		
6 Daucus card			10		FACU FACU	Hydrophytic Vegetation		b. 4:- \	
7 Plantago la n	iceoiala		5		FACU		 Rapid Test for Hyd Dominance Test is 		
·			115	= Total Cover			- Dominance Test is -Prevalence Index is		
			113	- Total Covel			-Morphological Ada		pporting
Woody Vine Stratu	m (plot size:)				ata in Remarks or o		•
rrood, rino oticita.			_				- Wetland Non-Vaso		
1							roblematic Hydroph	vtic Vegetation ¹ (Ex	olain)
						·	, ,	, as regetation (Ex	p.u,
1			0	= Total Cover		¹ Indicators of hydric soil an			
1			0	= Total Cover		¹ Indicators of hydric soil an disturbed or problematic.			
12	Jark Stratum			= Total Cover		¹ Indicators of hydric soil an disturbed or problematic. Hydrophytic	d wetland hydrology	must be present, ur	
1	Herb Stratum		0	= Total Cover		¹ Indicators of hydric soil an disturbed or problematic.			

(Inches) Color (mo	Matrix 10ist)	Color (moist) 10YR 4/2 5 SYR 3/4 M=Reduced Matrix, CS= e to all LRRs, unles	Redox Features % Type¹ 1 D 5 C E-Covered or Coated Sar ss otherwise noted. Sandy Redo Stripped Ma Loamy Mucl Loamy Gley Depleted Ma Redox Dark Depleted Da	M M M Grains. Div (S5) trix (S6) ky Mineral (F1) (exceed Matrix (F2)	Texture Loam Loamy Sand Indica	Pine Fine Fine 2Location: PL=Pore Lining, M=Matrix. ators for Problematic Hydric Soils ³ : 2 cm Muck (A10) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (explain in Remarks) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.
Color (mode) 0-2 10YR 3 2-6 10YR 4 6-16 10YR 4 Type: C=Concentration, D= Hydric Soil Indicators: Histosol (A1) Histic Epipedo Black Histic (A Hydrogen Sulf Depleted Belo Thick Dark Su Sandy Mucky Sandy Gleyed Restrictive Layer (if pre	3/6 100 3/6 99 4/3 95 E-Depletion, RM (Applicable on (A2) A3) Iffide (A4) ow Dark Surfac urface (A12) v Mineral (S1)	10YR 4/2 5 5YR 3/4 M=Reduced Matrix, CS= e to all LRRs, unles	## Type1 1	M M M Id Grains. Dix (S5) trix (S6) ky Mineral (F1) (exceed Matrix (F2) atrix (F3) Surface (F6) ark Surface (F7)	Loam Loamy Sand Indica	Fine Fine 2Location: PL=Pore Lining, M=Matrix. ators for Problematic Hydric Soils ³ : 2 cm Muck (A10) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (explain in Remarks) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or
0-2 10YR 3 2-6 10YR 3 6-16 10YR 4 Type: C=Concentration, D= Hydric Soil Indicators: Histosol (A1) Histic Epipedo Black Histic (A Hydrogen Sulf Depleted Belo Thick Dark Su Sandy Mucky Sandy Gleyed Restrictive Layer (if pre	3/6 99 4/3 95	10YR 4/2 5 5YR 3/4 M=Reduced Matrix, CS= e to all LRRs, unles	1 D 5 C	M M M Id Grains. Dix (S5) trix (S6) ky Mineral (F1) (exceed Matrix (F2) atrix (F3) Surface (F6) ark Surface (F7)	Loam Loamy Sand Indica	Fine Fine 2Location: PL=Pore Lining, M=Matrix. ators for Problematic Hydric Soils ³ : 2 cm Muck (A10) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (explain in Remarks) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or
2-6 6-16 10YR 3 6-16 10YR 4 10	a)/6 99 4/3 95 Depletion, RM (Applicable on (A2) A3) Iffide (A4) ow Dark Surfac urface (A12) v Mineral (S1)	10YR 4/2 5 YR 3/4 M=Reduced Matrix, CS= e to all LRRs, unles	=Covered or Coated Sar ss otherwise noted. Sandy Redo Stripped Ma Loamy Mucl Loamy Gley Depleted Ma Redox Dark Depleted Da	M Ind Grains. Ind Grains. In X (S5) Itrix (S6) Itrix (S6) Itrix (F1) (exceled Matrix (F2) Itrix (F3) Surface (F6) Itrix (F7)	Loam Loamy Sand Indica	Fine 2Location: PL=Pore Lining, M=Matrix. ators for Problematic Hydric Soils3: 2 cm Muck (A10) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (explain in Remarks) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or
Type: C=Concentration, D= Hydric Soil Indicators: Histosol (A1) Histic Epipedo Black Histic (A Hydrogen Sulf Depleted Belo Thick Dark Su Sandy Mucky Sandy Gleyed Restrictive Layer (if pre	Depletion, RM (Applicable on (A2) A3) Iffide (A4) ow Dark Surfac urface (A12) v Mineral (S1)	M=Reduced Matrix, CS=	=Covered or Coated Sar ss otherwise noted. Sandy Redo Stripped Ma Loamy Mucl Loamy Gley Depleted Ma Redox Dark Depleted Da	M Ind Grains. Ind Grains. In X (S5) Itrix (S6) Itrix (S6) Itrix (F1) (exceled Matrix (F2) Itrix (F3) Surface (F6) Itrix (F7)	Loamy Sand	Fine 2Location: PL=Pore Lining, M=Matrix. ators for Problematic Hydric Soils3: 2 cm Muck (A10) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (explain in Remarks) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or
Type: C=Concentration, D= Hydric Soil Indicators: Histosol (A1) Histic Epipedo Black Histic (A Hydrogen Sulf Depleted Belo Thick Dark Su Sandy Mucky Sandy Gleyed Restrictive Layer (if pre Type: Depth (inches): Remarks: HYDROLOGY Wetland Hydrology Ind Primary Indicators (minir Surface Wate High Water Ta Saturation (A3 Water Marks (Sediment Dep Drift Deposits Algal Mat or C	=Depletion, RM • (Applicable fon (A2) A3) Iffide (A4) ow Dark Surfac urface (A12) • Mineral (S1)	/I=Reduced Matrix, CS= e to all LRRs, unles	=Covered or Coated Sar ss otherwise noted. Sandy Redo Stripped Ma Loamy Mucl Loamy Gley Depleted Ma Redox Dark	ord Grains. In this continuation of the conti	Indica	² Location: PL=Pore Lining, M=Matrix. ators for Problematic Hydric Soils ³ : 2 cm Muck (A10) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or
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Hydric Soil Indicators: Histosol (A1) Histic Epipedo Black Histic (A Hydrogen Sulf Depleted Belo Thick Dark Su Sandy Mucky Sandy Gleyed Restrictive Layer (if present the present	on (A2) A3) Iffide (A4) ow Dark Surface urface (A12) v Mineral (S1)	e to all LRRs, unles	Sandy Redo Stripped Ma Loamy Mucl Loamy Gley Depleted Ma Redox Dark Depleted Da	ox (S5) trix (S6) trix (S6) trix (S6) trix (F1) (exc. ed Matrix (F2) atrix (F3) Surface (F6) ark Surface (F7)	Indica	tors for Problematic Hydric Soils ³ : 2 cm Muck (A10) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (explain in Remarks) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or
Hydric Soil Indicators: Histosol (A1) Histic Epipedo Black Histic (A Hydrogen Sulf Depleted Belo Thick Dark Su Sandy Mucky Sandy Gleyed Restrictive Layer (if pre Type: Depth (inches): Remarks: HYDROLOGY Wetland Hydrology Ind Primary Indicators (mining Surface Water High Water Ta Saturation (A3 Water Marks (Sediment Dep Drift Deposits Algal Mat or C	on (A2) A3) Iffide (A4) ow Dark Surface urface (A12) v Mineral (S1)	e to all LRRs, unles	Sandy Redo Stripped Ma Loamy Mucl Loamy Gley Depleted Ma Redox Dark Depleted Da	ox (S5) trix (S6) trix (S6) trix (S6) trix (F1) (exc. ed Matrix (F2) atrix (F3) Surface (F6) ark Surface (F7)	Indica	tors for Problematic Hydric Soils ³ : 2 cm Muck (A10) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (explain in Remarks) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or
Hydric Soil Indicators: Histosol (A1) Histic Epipedo Black Histic (A Hydrogen Sulf Depleted Belo Thick Dark Su Sandy Mucky Sandy Gleyed Restrictive Layer (if present the present	on (A2) A3) Iffide (A4) ow Dark Surface urface (A12) v Mineral (S1)	e to all LRRs, unles	Sandy Redo Stripped Ma Loamy Mucl Loamy Gley Depleted Ma Redox Dark Depleted Da	ox (S5) trix (S6) trix (S6) trix (S6) trix (F1) (exc. ed Matrix (F2) atrix (F3) Surface (F6) ark Surface (F7)	Indica	tors for Problematic Hydric Soils ³ : 2 cm Muck (A10) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (explain in Remarks) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or
Hydric Soil Indicators: Histosol (A1) Histic Epipedo Black Histic (A Hydrogen Sulf Depleted Belo Thick Dark Su Sandy Mucky Sandy Gleyed Restrictive Layer (if present the present	on (A2) A3) Iffide (A4) ow Dark Surface urface (A12) v Mineral (S1)	e to all LRRs, unles	Sandy Redo Stripped Ma Loamy Mucl Loamy Gley Depleted Ma Redox Dark Depleted Da	ox (S5) trix (S6) trix (S6) trix (S6) trix (F1) (exc. ed Matrix (F2) atrix (F3) Surface (F6) ark Surface (F7)	Indica	tors for Problematic Hydric Soils ³ : 2 cm Muck (A10) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (explain in Remarks) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or
Hydric Soil Indicators: Histosol (A1) Histic Epipedo Black Histic (A Hydrogen Sulf Depleted Belo Thick Dark Su Sandy Mucky Sandy Gleyed Restrictive Layer (if present the present	on (A2) A3) Iffide (A4) ow Dark Surface urface (A12) v Mineral (S1)	e to all LRRs, unles	Sandy Redo Stripped Ma Loamy Mucl Loamy Gley Depleted Ma Redox Dark Depleted Da	ox (S5) trix (S6) trix (S6) trix (S6) trix (F1) (exc. ed Matrix (F2) atrix (F3) Surface (F6) ark Surface (F7)	Indica	tors for Problematic Hydric Soils ³ : 2 cm Muck (A10) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (explain in Remarks) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or
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Histic Epipedo Black Histic (A Hydrogen Sulf Depleted Belo Thick Dark Su Sandy Mucky Sandy Gleyed Restrictive Layer (if pre Type: Depth (inches): Remarks: HYDROLOGY Vetland Hydrology Ind Primary Indicators (minin Surface Water High Water Ta Saturation (A3 Water Marks (Sediment Dep Drift Deposits Algal Mat or C	on (A2) A3) Ifide (A4) ow Dark Surfac urface (A12) v Mineral (S1)	ce (A11)	Stripped Ma Loamy Mucl Loamy Gley Depleted Ma Redox Dark Depleted Da	trix (S6) xy Mineral (F1) (exceed Matrix (F2) atrix (F3) Surface (F6) ark Surface (F7)	cept MLRA 1)	Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (explain in Remarks) Sindicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or
Black Histic (A Hydrogen Sulf Depleted Belo Thick Dark Su Sandy Mucky Sandy Gleyed Restrictive Layer (if pre Type: Depth (inches): Remarks: RYDROLOGY Vetland Hydrology Ind Primary Indicators (mining Surface Water High Water Ta Saturation (A3 Water Marks (Sediment Dep Drift Deposits Algal Mat or C	A3) Ifide (A4) ow Dark Surfac urface (A12) v Mineral (S1)	ce (A11)	Loamy Mucl Loamy Gley Depleted Ma Redox Dark Depleted Da	ed Matrix (F2) atrix (F3) Surface (F6) ark Surface (F7)	cept MLRA 1)	Very Shallow Dark Surface (TF12) Other (explain in Remarks) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or
Hydrogen Sulf Depleted Belo Thick Dark Su Sandy Mucky Sandy Gleyed Restrictive Layer (if pre Type: Depth (inches): Temarks: HYDROLOGY Vetland Hydrology Ind Primary Indicators (mining Surface Water High Water Ta Saturation (A3 Water Marks (Sediment Dep Drift Deposits Algal Mat or C	lfide (A4) ow Dark Surfac urface (A12) v Mineral (S1)	ce (A11)	Loamy Gley Depleted Ma Redox Dark Depleted Da	ed Matrix (F2) atrix (F3) Surface (F6) ark Surface (F7)	cept MLRA 1)	Other (explain in Remarks) Sindicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or
Depleted Belo Thick Dark Su Sandy Mucky Sandy Gleyed Restrictive Layer (if pre Type: Depth (inches): Remarks: HYDROLOGY Vetland Hydrology Ind Primary Indicators (mining Surface Water High Water Ta Saturation (A3 Water Marks (Sediment Dep Drift Deposits Algal Mat or C	ow Dark Surfac urface (A12) Mineral (S1)	ce (A11)	Depleted Ma	atrix (F3) Surface (F6) ark Surface (F7)		³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or
Thick Dark Su Sandy Mucky Sandy Gleyed Restrictive Layer (if pre- Type: Depth (inches): Remarks: HYDROLOGY Vetland Hydrology Ind Primary Indicators (mining Surface Water High Water Ta Saturation (A3 Water Marks (Sediment Dep Drift Deposits Algal Mat or C	urface (A12) Mineral (S1)	ce (A11)	Redox Dark Depleted Da	Surface (F6) ark Surface (F7)		hydrology must be present, unless disturbed or
Sandy Mucky Sandy Gleyed Restrictive Layer (if pre- Type: Depth (inches): Remarks: RYDROLOGY Vetland Hydrology Ind Primary Indicators (mining Surface Water High Water Ta Saturation (A3 Water Marks (Sediment Dep Drift Deposits Algal Mat or C	Mineral (S1)		Depleted Da	ark Surface (F7)		hydrology must be present, unless disturbed or
Sandy Gleyed Restrictive Layer (if preserved) Pepth (inches): HYDROLOGY Vetland Hydrology Ind Primary Indicators (mining Surface Water High Water Ta Saturation (A3 Water Marks (Sediment Dep Drift Deposits Algal Mat or C						hydrology must be present, unless disturbed or
Restrictive Layer (if pre	d Matrix (S4)		Redox Depr	essions (F8)		
Pepth (inches): Pepth (inches):						
lepth (inches): emarks: IYDROLOGY Vetland Hydrology Ind rimary Indicators (minir Surface Water High Water Ta Saturation (A3 Water Marks (Sediment Dep Drift Deposits Algal Mat or C	esent):					
Primary Indicators (mining Surface Water High Water Tase Saturation (AS Water Marks (Sediment Deposits Algal Mat or C						
emarks: IYDROLOGY Vetland Hydrology Ind rimary Indicators (minir Surface Water High Water Ta Saturation (A3 Water Marks (Sediment Dep Drift Deposits Algal Mat or C				l _H	lydric Soil Pres	ent? Yes No X
HYDROLOGY Vetland Hydrology Ind Primary Indicators (mining Surface Water High Water Ta Saturation (A3 Water Marks (Sediment Dep Drift Deposits Algal Mat or C						
Primary Indicators (mining Surface Water High Water Ta Saturation (A3 Water Marks (Sediment Deposits Algal Mat or C	diantara					
Surface Water High Water Ta Saturation (A3 Water Marks (Sediment Dep Drift Deposits Algal Mat or C			4b - 4 b -)			
High Water Ta Saturation (A3 Water Marks (Sediment Dep Drift Deposits Algal Mat or C		required; check all t		(BO) (F		Secondary Indicators (2 or more required
Saturation (A3 Water Marks (Sediment Dep Drift Deposits Algal Mat or C	` ,		1, 2, 4A, an	ed Leaves (B9) (Ex o d 4B)	CCEPT MLKA	Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B)
Water Marks (Sediment Dep Drift Deposits Algal Mat or C	` ,					
Sediment Dep Drift Deposits Algal Mat or C	·		Salt Crust (E	•		Drainage Patterns (B10)
Drift Deposits Algal Mat or C				ertebrates (B13)		Dry-Season Water Table (C2)
Algal Mat or C				ulfide Odor (C1)	ising Doots (C2)	Saturation Visible on Aerial Imager
 -				izospheres along L		Geomorphic Position (D2)
iioii Deposits				Reduced Iron (C4) Reduction in Plowe	•	Shallow Aquitard (D3)
Surface Soil C				Stressed Plants (D1	` '	Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
	sible on Aerial	Imagery (B7)		ain in Remarks)	(211177)	Frost-Heave Hummocks (D7)
	Sibic on Acriai		Other (Expire	iii iii Remaiks)		Troser leave Flammooks (51)
Field Observations:	etated Concav					
	etated Concav	No X	Depth (inches):			
			•	>16	Watland Hydr	rology Present?
	Yes		Depth (inches): Depth (inches):	>16	Wetland Hydr	Yes No X
includes capillary fringe)	Yes		Deptil (illiches).			No X
Describe Recorded Data (str	Yes		photos, previous inspecti	ons), if available:		
Socoliso Nocolaca Sala (sii	Yes Yes Yes	nonitoring well, aerial n	motoe, providuo mopoeti	one, ii avallabio.		
	YesYesYes	nonitoring well, aerial p				
emarks:	YesYesYes	monitoring well, aerial p				

PHS # 7296

That are OBL, FACW, or FAC: 1 (A) 2	Project/Site:	Sherwood II	ndustrial	Park	City/County:	Sherwo	ood/Was	hington	Sampli	ing Date:	10/6	6/2021
Landom (hilliotopo, torraco, etc.) Slope Local relief (concerno, convex, none): None Slope (%) 2 2	Applicant/Owner:	OWRA She	erwood, I	LLC				State:	OR	;	Sampling Point:	21
Solf Marg Link Rame Aloths Sitt Name Alo	Investigator(s):		СМ		Section, To	wnship, Range:		Section 29	D, Townsl	nip 2Sout	h, Range 1W	est
Soil Map Unit Name: Aloha sitt Ioam Will Classification: None Aloha sitt Ioam Aloha sitt I	Landform (hillslope	, terrace, etc.:)		Slope		Local relief (cor	ncave, con	vex, none):	No	one	Slope (%):	2
Are communicity drologic conditions on the site bytical for this time of year? Are regelation Soil or Hydrology application of the site of year? Are regelation Soil or Hydrology instituted? Are recommand circumstances prosent? (Y/N) Y Are submitted continued to the continued sheet of the province unique to the continued sheet of the circumstance of provinces unique to the cir	Subregion (LRR):		LRR A		Lat:	45.36	58	Long:	-122	.8316	 Datum:	WGS84
Are vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? (YRI) Y Are vegetation Soil or Hydrology naturally problematic? If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS — Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes X No Welland Hydrology Repeat on the Hydrology Present? Yes X No Welland Hydrology Repeat on the Hydrology Repeat of Present Hydrology Repeat of Repeat of Pydrology Repeat of Pydrology Repeat of Pydrology Repeat of Pydrology Repeat of Repeat of Repeated Nyrology Repeated Ny	Soil Map Unit Name	e:		Aloh	— a silt loam			NWI Cla	assification:		None	
Solid	Are climatic/hydrolo	ogic conditions or	n the site ty	pical for this ti	me of year?	Yes		No	X	(if no, expla	in in Remarks)	
SUMMARY OF FINDINGS — Attach site map showing sampling point locations, transects, important features, etc. Hydrophylic Vegetation Present?	Are vegetation	Soil	or Hy	drology	significantly dist	urbed?	Are "No	rmal Circumstan	ces" present	? (Y/N)	Υ	
SUMMARY OF FINDINGS — Attach site map showing sampling point locations, transects, important features, etc. Hydrophylic Vegetation Present?	Are vegetation	Soil	or Hy	drology	— naturally probler	matic? If needed	l, explain ar	ny answers in Re	emarks.)			
Hydric Sold Present? Yes X No Hydric Sold Present? Yes X No Wish a Wetland Hydrology Present? Yes X No Wetland Hydrology Present Present (Find Repairs And Present Hydrology Present Hydrology Present Present (Find Repairs And Present Hydrology Present Hydrology Present (Find Repairs And Present Hydrology Present (Find Repairs And Present Hydrology Present Hydrology Present (Find Repairs And Present Hydrology Present Hydrology Present Hydrology Present Hydrology Present (Find Repairs And Present Hydrology Present Hydrology Present Hydrology Present (Find Repairs And Present Hydrology Present Hydrology Present Hydrology Wetland Hydrology Wetland Hydrology Wetland Hydrology Wetland No. Wetl					_							
Sampled Area within a Wetland? Yes X No No Note Not	SUMMARY OF	FINDINGS	Attac	h site map	showing san	npling point	location	ns, transects	s, importa	ant featu	res, etc.	
Westand Hydrology Present? Yes X No No No	Hydrophytic Vegeta	ation Present?	Yes _			Is Sampled Ar	ea within					
Remarks: Precipitation is below normal, which is now common. As such, we make sure to evaluate a dry-season water table in areas of lower topography, or in areas where hydrophytic vegetation and hydric soils are present. The site is surrounded by new development. It is out that hydrology is slowly being diverted through stormwater infrastructure and storm facilities. The geomorphic position of gradual upland slo on site are not conductive to retaining water, nor do they receive continual sheet flow from pervious upper slopes as before. VEGETATION - Use scientific names of plants.	Hydric Soil Present	?	Yes _	X No	o			Yes	X	1	No	
It is not not continued by new development. It is out that hydrology is slowly being diverted through stormwater infrastructure and storm facilities. The geomorphic position of gradual upland slo on site are not conducive to retaining water, nor do they receive continual sheet flow from pervious upper slopes as before. VEGETATION - Use scientific names of plants:	Wetland Hydrology	Present?	Yes _	X No	0							
Absolute	lower topograp that hydrology i on site are not o	hy, or in areasis slowly bein conducive to	s where l g diverte retaining	hydrophytic ed through s water, nor	vegetation and stormwater infra do they receive	hydric soils a	are prese d storm f	ent. The site is acilities. The	s surround geomorph	ded by ne lic positio	w developme on of gradual	ent. It is our BP.
Number of Dominant Species Number of Dominant Species	VEGETATION	- USE SCIEII	unc nan	•		Indicator	Domina	ance Test wo	rksheet:			
That are OBL, FACW, or FAC: 1 (A) 2												
2 3 4	Tree Stratum (pl	ot size:)				Number	of Dominant Spe	ecies			
Total Number of Dominant Species Across All Strata: 1							That are	OBL, FACW, or	FAC:		1	(A)
Species Across All Strata: 1 (B)	-						Total Niv	mbar of Damina	-+			
Total Cover Percent of Dominant Species That are OBL, FACW, or FAC: 100% (A/B)	3 										1	(B)
Percent of Dominant Species	Ť ———				= Total Cover		Species	ACIOSS All Strate	-		<u>'</u>	(6)
That are OBL, FACW, or FAC: 100% (A/B) Prevalence Index Worksheet: Total % Cover of Multiply by: OBL Species x 1 =	Canling/Charle Ctra	t			. 514. 5575.							
Prevalence Index Worksheet: Total % Cover of Multiply by:	-	turri (plot size	:	_'				·		4	00%	(A/R)
Prevalence Index Worksheet: Total % Cover of Multiply by:	•						That are	OBL, FACVV, O	FAC:		00 %	(A/B)
Total % Cover of Multiply by:	3						Prevale	ence Index W	orksheet:			
Name	4						Total % (Cover of		Multiply by:		
FAC Species X3 = 0	5						ОВ	L Species		x 1 =	0	
FACU Species				0	= Total Cover					x 2 =		
1 Phalaris arundinacea 2 Dipsacus fullonum 10 FAC Column Totals 0 (A) 0 (B) Prevalence Index =B/A = #DIV/0! Prevalence Index =B/A = #DIV/0! Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation X 2 - Dominance Test is >50% 3 - Prevalence Index is ≤ 3.0¹ 4 - Horphological Adaptations¹ (provide supporting data in Remarks or on a separate sheet) 1 - S - Wetland Non-Vascular Plants¹ Problematic Hydrophytic Vegetation¹ (Explain) Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Hydrophytic Vegetation Yes X No		-4 -i	40 \					•				
2 Dipsacus fullonum 10 FAC Column Totals 0 (A) 0 (B) 3 4 — — Prevalence Index =B/A = #DIV/0! 5 — — — Hydrophytic Vegetation Indicators: 7 — — 1- Rapid Test for Hydrophytic Vegetation 8 — — 3-Prevalence Index is ≤ 50% 3-Prevalence Index is ≤ 3.0¹ — 4-Morphological Adaptations¹ (provide supporting data in Remarks or on a separate sheet) 5- Wetland Non-Vascular Plants¹ — 5- Wetland Non-Vascular Plants¹ — 2 — Problematic Hydrophytic Vegetation¹ (Explain) — **Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Hydrophytic **Wegetation **Yes_X No_)	90	v	EACW						
Prevalence Index =B/A = #DIV/0! Hydrophytic Vegetation Indicators: Hydrophytic Vegetation Indicators:								•	0			(B)
Prevalence Index = B/A = #DIV/0! Figure Fi								anni Totalo		(* ')		(2)
Hydrophytic Vegetation Indicators: Table Test Test	4						Pre	evalence Index =	B/A =	#1	OIV/0!	
1- Rapid Test for Hydrophytic Vegetation X 2- Dominance Test is >50% 100 = Total Cover 3-Prevalence Index is ≤ 3.0¹ 4-Morphological Adaptations¹ (provide supporting data in Remarks or on a separate sheet) 5- Wetland Non-Vascular Plants¹ Problematic Hydrophytic Vegetation¹ (Explain) 0 = Total Cover 1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Hydrophytic Vegetation Yes X No	5								-			
X 2- Dominance Test is >50% 100 = Total Cover 3-Prevalence Index is ≤ 3.0¹ 4-Morphological Adaptations¹ (provide supporting data in Remarks or on a separate sheet) 5- Wetland Non-Vascular Plants¹ Problematic Hydrophytic Vegetation¹ (Explain) 0 = Total Cover 1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Hydrophytic Vegetation Yes X No	6						Hydrop	hytic Vegetat	ion Indica	tors:		
100 = Total Cover 3-Prevalence Index is ≤ 3.0¹ 4-Morphological Adaptations¹ (provide supporting data in Remarks or on a separate sheet) 5- Wetland Non-Vascular Plants¹ Problematic Hydrophytic Vegetation¹ (Explain) 1 1 1 1 1 1 1 1 1	7								1- Rapid Te	st for Hydro	phytic Vegetatio	n
4-Morphological Adaptations¹ (provide supporting data in Remarks or on a separate sheet) 5- Wetland Non-Vascular Plants¹ Problematic Hydrophytic Vegetation¹ (Explain) Thickness of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Hydrophytic Wegetation Yes X No	8							Х				
data in Remarks or on a separate sheet) 5- Wetland Non-Vascular Plants Problematic Hydrophytic Vegetation Thickness of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Hydrophytic Bare Ground in Herb Stratum O data in Remarks or on a separate sheet) 5- Wetland Non-Vascular Plants Problematic Hydrophytic vegetation Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Hydrophytic Vegetation Yes X No				100	= Total Cover		-					supporting
1 5- Wetland Non-Vascular Plants 1 2 Problematic Hydrophytic Vegetation 1 (Explain) 1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Hydrophytic Wegetation Yes X No	Woodv Vine Stratu	m (plot size:)			-					
0 = Total Cover Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Hydrophytic		_ "		= '							•	,
disturbed or problematic. Hydrophytic 8 Bare Ground in Herb Stratum 0 Vegetation Yes X No	2								Problematic	Hydrophyti	c Vegetation ¹ (E	xplain)
% Bare Ground in Herb Stratum 0 Vegetation Yes X No				0	= Total Cover		disturbed	l or problematic.	and wetland h	nydrology m	nust be present,	unless
	% Bare Ground in I	Herb Stratum		0			Vegeta	tion	Yes	Х	No	
Remarks:	Remarks:											

			PHS#	729				Sampling Point: 21
rofile Descri	ption: (Describe to th	he depth r	needed to docume	nt the indica	tor or con	firm the abser	ice of indicators.)	
Depth	Matrix			Redox F		. 2		
(Inches)	Color (moist)	%	Color (moist)		Type ¹	Loc ²	Texture	Remarks
0-5	7.5YR 3/2	100					Loam	
5-12	7.5YR 3/2	95	7.5YR 4/6	5	С	M	Sandy Loam	Coarse
								•
	centration, D=Depletio					d Grains.		² Location: PL=Pore Lining, M=Matrix.
-	Indicators: (Appli	cable to	all LRRs, unless	s otherwise	e noted.)		Indic	ators for Problematic Hydric Soils ³ :
	Histosol (A1)			Sa	andy Redox	(S5)		2 cm Muck (A10)
	Histic Epipedon (A2)			St	ripped Matı	rix (S6)		Red Parent Material (TF2)
	Black Histic (A3)			Lc	amy Mucky	y Mineral (F1)	except MLRA 1)	Very Shallow Dark Surface (TF12)
	Hydrogen Sulfide (A4))		Lc	amy Gleye	d Matrix (F2)		Other (explain in Remarks)
	Depleted Below Dark	Surface (A	\11)	De	epleted Mat	trix (F3)		
	Thick Dark Surface (A	.12)		X Re	edox Dark S	Surface (F6)		
	Sandy Mucky Mineral	(S1)			epleted Dar	k Surface (F7)		³ Indicators of hydrophytic vegetation and wetland
	Sandy Gleyed Matrix (-	ssions (F8)		hydrology must be present, unless disturbed or problematic.
	Layer (if present):	, ,			'	(- /	Ī	·
epth (inches	;):						Hydric Soil Pre	sent? Yes X No
epth (inches):						Hydric Soil Pres	sent? Yes <u>X</u> No
Pepth (inches							Hydric Soil Pre	sent? Yes <u>X</u> No
Depth (inchesternation) Depth (inchesternation) Depth (inchesternation)	GY	s:					Hydric Soil Pres	sent? Yes <u>X</u> No
Depth (inches Remarks: HYDROLO Vetland Hyd	GY drology Indicators		uired: abook all th	not apply)			Hydric Soil Pres	
Pepth (inches Remarks: HYDROLO Vetland Hyd Primary India	GY drology Indicators cators (minimum of		uired; check all th		otor etaine	d Lagues (PO)		Secondary Indicators (2 or more required)
Primary India	GY drology Indicators cators (minimum of Surface Water (A1)	one requ	uired; check all th	W			Hydric Soil Pres	Secondary Indicators (2 or more required) Water stained Leaves (B9)
IYDROLO Vetland Hydrimary India	GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2	one requ	uired; check all th	W	2, 4A, and	4B)		Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B)
epth (inches emarks: IYDROLO /etland Hydrimary India	GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3)	one requ	uired; check all th	W 1, Sa	2, 4A, and alt Crust (B	4B)		Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10)
emarks: IYDROLO Vetland Hydrimary India	GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1)	one requ	uired; check all th	W 1, SaAd	2, 4A, and alt Crust (B	4B) 11) tebrates (B13)	(Except MLRA	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)
epth (inches emarks: IYDROLO /etland Hydrimary India	GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B	one requ	uired; check all th	W 1, Ad H	2, 4A, and alt Crust (Buguatic Inverwordrogen Su	4B) 11) tebrates (B13) lfide Odor (C1)	(Except MLRA	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery
epth (inches emarks: IYDROLO /etland Hydrimary India	GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B. Drift Deposits (B3)	one requi	uired; check all th	W 1, Sa Hy O:	2, 4A, and alt Crust (Boquatic Inverydrogen Sukidized Rhiz	4B) 11) tebrates (B13) lfide Odor (C1) zospheres alor	(Except MLRA	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery X Geomorphic Position (D2)
emarks: IYDROLO Vetland Hydrimary Indic	GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4	one requi	uired; check all th	W 1, 1, Si Ac Hy Or	2, 4A, and alt Crust (Baquatic Inversed Formation Sundated Rhizersence of Inversed Rhizersence of Inversed Rhizersence (Banda Rhizersence	4B) 11) tebrates (B13) Iffide Odor (C1) zospheres alor Reduced Iron ((Except MLRA Ig Living Roots (C3) C4)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery X Geomorphic Position (D2) Shallow Aquitard (D3)
emarks: HYDROLO Vetland Hydrimary India	GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5)	one required	uired; check all th	W 1, 1, Si Ac Hy O: Pr	2, 4A, and alt Crust (B quatic Inverydrogen Su xidized Rhizesence of Fecent Iron F	4B) 11) tebrates (B13) lfide Odor (C1) zospheres alor Reduced Iron (Reduction in Pl	(Except MLRA Ing Living Roots (C3) C4) Dowed Soils (C6)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery X Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5)
HYDROLO Vetland Hydrimary India	GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B: Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (E	one required () 2)		W 1,	2, 4A, and alt Crust (B quatic Inver ydrogen Su xidized Rhiz resence of I ecent Iron F unted or St	4B) 11) tebrates (B13) lfide Odor (C1) zospheres alor Reduced Iron (Reduction in Pl ressed Plants	(Except MLRA Ing Living Roots (C3) C4) Dowed Soils (C6)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery X Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Pepth (inches	GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (E) Inundation Visible on A	one required to the second of	gery (B7)	W 1,	2, 4A, and alt Crust (B quatic Inver ydrogen Su xidized Rhiz resence of I ecent Iron F unted or St	4B) 11) tebrates (B13) lfide Odor (C1) zospheres alor Reduced Iron (Reduction in Pl	(Except MLRA Ing Living Roots (C3) C4) Dowed Soils (C6)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery X Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5)
Pepth (inches	GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B: Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (E	one required to the second of	gery (B7)	W 1,	2, 4A, and alt Crust (B quatic Inver ydrogen Su xidized Rhiz resence of I ecent Iron F unted or St	4B) 11) tebrates (B13) lfide Odor (C1) zospheres alor Reduced Iron (Reduction in Pl ressed Plants	(Except MLRA Ing Living Roots (C3) C4) Dowed Soils (C6)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery X Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
HYDROLO Vetland Hydrimary India	GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B1) Inundation Visible on A Sparsely Vegetated C	one required to the second of	gery (B7)	W 1,	2, 4A, and alt Crust (B quatic Inver ydrogen Su xidized Rhiz resence of I ecent Iron F unted or St	4B) 11) tebrates (B13) lfide Odor (C1) zospheres alor Reduced Iron (Reduction in Pl ressed Plants	(Except MLRA Ing Living Roots (C3) C4) Dowed Soils (C6)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery X Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Pepth (inches Remarks: HYDROLO Vetland Hyd Primary India	GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B4) Inundation Visible on A Sparsely Vegetated Covations:	one required to the second of	gery (B7)	W 1,	2, 4A, and alt Crust (B quatic Inver ydrogen Su xidized Rhiz resence of I ecent Iron F unted or St ther (Explai	4B) 11) tebrates (B13) lfide Odor (C1) zospheres alor Reduced Iron (Reduction in Pl ressed Plants	(Except MLRA Ing Living Roots (C3) C4) Dowed Soils (C6)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery X Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Primary India	GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (E1) Inundation Visible on A Sparsely Vegetated Covations: Present? Yes	one required to the second of	gery (B7) urface (B8)	W 1, Si Ac Hy O: Pr Rc St	2, 4A, and alt Crust (Bautic Inversed on Sukidized Rhiz esence of Becent Iron Funted or Stather (Explainments):	4B) 11) tebrates (B13) lfide Odor (C1) zospheres alor Reduced Iron (Reduction in Pl ressed Plants	g Living Roots (C3) C4) owed Soils (C6) (D1) (LRR A)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery X Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Primary India Field Obser Burface Water Table P	GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B1) Inundation Visible on A Sparsely Vegetated Covations: Present? Yes resent? Yes	one required to the second of	gery (B7) ırface (B8) No <u>X</u>	W 1, 1, Se Ac Ac Hy Or Pr Re St Or	2, 4A, and alt Crust (Biquatic Inversed Report of Particular Inversed Report I	4B) 11) tebrates (B13) lfide Odor (C1) zospheres alor Reduced Iron (Reduction in PI ressed Plants n in Remarks)	g Living Roots (C3) C4) owed Soils (C6) (D1) (LRR A)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery X Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Primary India Primary India Primary India Primary India Field Obser Surface Water Water Table P Saturation Pres	GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B1) Inundation Visible on A Sparsely Vegetated Covations: Present? Yes resent? Yes sent? Yes	one required to the second of	gery (B7) urface (B8) No <u>X</u> No <u>X</u>	W 1, Se Ad Hy O: Pr Re St Oi Depth (ir	2, 4A, and alt Crust (Biquatic Inversed Report of Particular Inversed Report I	4B) 11) tebrates (B13) lfide Odor (C1) zospheres alor Reduced Iron (Reduction in Pl ressed Plants n in Remarks)	g Living Roots (C3) C4) owed Soils (C6) (D1) (LRR A)	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery X Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Field Obser Surface Water Water Table P Saturation Presincludes capillar	GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B1) Inundation Visible on A Sparsely Vegetated Covations: Present? Yes resent? Yes sent? Yes	cone required ()	gery (B7) urface (B8) No	W 1, Sa Ad Hy O: Pr Rc St Of Depth (ir Depth (ir	2, 4A, and alt Crust (Biguatic Inversed of Biguatic Inversed of Biguatic Inversed of Biguatic Inversed of State (Explainments):	4B) 11) tebrates (B13) Iffide Odor (C1) zospheres alor Reduced Iron (Reduction in PI ressed Plants n in Remarks) >12 >12	(Except MLRA Ig Living Roots (C3) C4) owed Soils (C6) (D1) (LRR A) Wetland Hyc	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery X Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Primary Indicates	GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (E Inundation Visible on A Sparsely Vegetated Covations: Present? Yes resent? Yes sent? Yes y fringe)	cone required ()	gery (B7) urface (B8) No	W 1, Sa Ad Hy O: Pr Rc St Of Depth (ir Depth (ir	2, 4A, and alt Crust (Biguatic Inversed of Biguatic Inversed of Biguatic Inversed of Biguatic Inversed of State (Explainments):	4B) 11) tebrates (B13) Iffide Odor (C1) zospheres alor Reduced Iron (Reduction in PI ressed Plants n in Remarks) >12 >12	(Except MLRA Ig Living Roots (C3) C4) owed Soils (C6) (D1) (LRR A) Wetland Hyc	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery X Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Primary India Field Obser Surface Water Vater Table P Saturation Presenctudes capillar	GY drology Indicators cators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (E Inundation Visible on A Sparsely Vegetated Covations: Present? Yes resent? Yes sent? Yes y fringe)	cone required ()	gery (B7) urface (B8) No	W 1, Sa Ad Hy O: Pr Rc St Of Depth (ir Depth (ir	2, 4A, and alt Crust (Biguatic Inversed of Biguatic Inversed of Biguatic Inversed of Biguatic Inversed of State (Explainments):	4B) 11) tebrates (B13) Iffide Odor (C1) zospheres alor Reduced Iron (Reduction in PI ressed Plants n in Remarks) >12 >12	(Except MLRA Ig Living Roots (C3) C4) owed Soils (C6) (D1) (LRR A) Wetland Hyc	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery X Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)

PHS# 7296

Project/Site:	Sherwood I	ndustrial	Park	City/County:	Sherwo	od/Washing	jton	Samp	ling Date:	10/	6/2021
Applicant/Owner:	OWRA She	erwood,	LLC				State:	OR		Sampling Point	22
Investigator(s):	_	СМ		Section, To	wnship, Range:	s	ection 29	D, Towns	hip 2Sou	th, Range 1W	/est
Landform (hillslope	, terrace, etc.:)	-	Slope		Local relief (con	ncave, convex,	none):	N	one	Slope (%)	3
Subregion (LRR):		LRR A	1	Lat:	45.365	i8	Long:	-122	2.8317	Datum	WGS84
Soil Map Unit Name	e:		Aloha	silt loam			NWI Cla	ssification:		None	
Are climatic/hydrolo	ogic conditions or	n the site t	ypical for this time	e of year?	Yes		No	X	(if no, expl	ain in Remarks)	_
Are vegetation	Soil	or Hy	drology	significantly dist	urbed?	Are "Normal	Circumstan	ces" presen	t? (Y/N)	ΥΥ	_
Are vegetation	Soil	or Hy	drology	naturally probler	matic? If needed,	explain any ar	swers in Re	emarks.)			
		•									
SUMMARY OF				showing san	npling point	locations, t	transects	s, import	ant feati	ures, etc.	
Hydrophytic Vegeta		Yes _	X No		Is Sampled Are	ea within					
Hydric Soil Present		Yes _	No	<u>X</u>	a Wetlan	id?	Yes			No X	_
Wetland Hydrology		Yes	No	X							
	hy, or in areasis slowly bein conducive to	s where ig diverte retaining	hydrophytic v ed through sto g water, nor de	egetation and ormwater infra o they receive	astructure and	are present. I storm facili	The site is	s surroun geomorpl	ded by no	ew developm on of gradua	ent. It is our BPJ
			absolute	Dominant	Indicator	Dominance	e Test wo	ksheet:			
			% cover	Species?	Status						
Tree Stratum (pl	ot size:)				Number of Do	·				(4)
1						That are OBL	, FACW, or	FAC:		2	_(A)
3						Total Number	of Dominar	nt			
4						Species Acro				2	(B)
,			0	= Total Cover		ľ		,			_ ` ′
Sapling/Shrub Stra	tum (plot size):)			Percent of Do	minant Spe	cies			
1	(ріотоі.20	··	- ′			That are OBL				100%	(A/B)
2								•			_ `
3						Prevalence	Index W	orksheet:			
4						Total % Cove	r of		Multiply by	:	
5						OBL Sp	•		x 1 =	0	_
				= Total Cover		FACW s			x 2 = x 3 =	0	-
<u>Herb Stratum</u> (pl	ot size:	10)				FACU S	1		x 4 =	0	_
1 Dipsacus fu	llonum		75	X	FAC	UPL Sp	ecies		x 5 =	0	-
2 Phalaris aru	ndinacea		25	X	FACW	Column	Totals	0	(A)	0	_(B)
3 4 5						Prevale	nce Index =	B/A =	#	DIV/0!	-
6						Hydrophyti	c Vegetat	ion Indica	itors:		
7								1- Rapid Te	st for Hydro	ophytic Vegetati	on
8							X	2- Dominan	ce Test is	>50%	
			100	= Total Cover				3-Prevalend			
Woody Vino Stratu	m (plot size:)							ations ¹ (provide a separate shee	
Woody Vine Stratu	m (plot size.		_'					5- Wetland			;t)
2										tic Vegetation ¹ (I	Explain)
			0	= Total Cover		¹ Indicators of disturbed or p	hydric soil a			must be present,	
% Bare Ground in I	Herb Stratum		0			Hydrophyti Vegetation Present?		Yes	х	No	
Remarks:											

Profile Descrip Depth (Inches)			PHS#	7296	<u> </u>			Sampling Point: 22	
•	otion: (Describe to	the depth	needed to docume			firm the abser	ce of indicators.)		
(Inches)	Matrix			Redox Fe		. 2			
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0-4	7.5YR 3/2	100					Silt Loam		
4-10	7.5YR 3/2	60	5YR 3/4	3	С	M	Silt Loam	Coarse/mixed matrix	
4-10	10YR 3/3	36	5YR 3/4	1	С	M	Silt Loam	Coarse/mixed matrix	
10-16	7.5YR 3/2	98	7.5YR 3/4	2	С	M	Loam	Fine	
Гуре: C=Conc	entration, D=Depleti	on, RM=Re	educed Matrix, CS=0	Covered or Co	oated Sand	d Grains.		² Location: PL=Pore Lining, M=Matrix.	
lydric Soil I	ndicators: (Appl	icable to	all LRRs, unless	s otherwise	noted.)		Indic	cators for Problematic Hydric Soils ³ :	
- -	Histosol (A1)			Sa	ndy Redox	(S5)		2 cm Muck (A10)	
	Histic Epipedon (A2)				ripped Matr			Red Parent Material (TF2)	
							except MLRA 1)		12)
	Black Histic (A3)				-		except wilka i)	Very Shallow Dark Surface (TF	12)
	Hydrogen Sulfide (A4	1)		Loa	amy Gleye	d Matrix (F2)		Other (explain in Remarks)	
	Depleted Below Dark	Surface (A	A11)	De	epleted Mat	trix (F3)			
7	Γhick Dark Surface (A12)		Re	edox Dark S	Surface (F6)			
5	Sandy Mucky Minera	I (S1)		De	epleted Dar	k Surface (F7)		³ Indicators of hydrophytic vegetation and wetl	
	Sandy Gleyed Matrix	(S4)		Re	edox Depre	ssions (F8)		hydrology must be present, unless disturbed problematic.	or
		-				. ,		·	
Restrictive L	ayer (if present)	•							
Гуре:									
Depth (inches):						Hydric Soil Pre	sent? Yes No X	
Wetland Hyd	drology Indicator		uired: check all th	nat apply)				Secondary Indicators (2 or more requi	red)
Wetland Hyd Primary Indic	drology Indicator		uired; check all th		ater stainer	d Leaves (B9)	Excent MI RA	Secondary Indicators (2 or more requi	red)
Vetland Hyd Primary Indic	drology Indicator ators (minimum c Surface Water (A1)	of one req	uired; check all th	Wa			Except MLRA	Water stained Leaves (B9)	red)
Vetland Hyd Primary Indic S	drology Indicator ators (minimum c Surface Water (A1) High Water Table (A2	of one req	uired; check all th	Wa	2, 4A, and	4B)	Except MLRA	Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B)	red)
Vetland Hyd Primary Indic S L	ators (minimum c Surface Water (A1) High Water Table (A: Saturation (A3)	of one req	uired; check all th	Wa 1, 2 Sa	2, 4A, and alt Crust (B	4B) 11)	Except MLRA	Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10)	red)
Vetland Hydrometric Primary Indice Final Pr	trology Indicator eators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	of one req	uired; check all th	Wa 1, : Sa Aq	2, 4A, and alt Crust (B	4B) 11) tebrates (B13)		Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)	,
Vetland Hydrometric Primary Indicates Section 1.5	cators (minimum cators (minimum cators (minimum cators (Mater (A1))) High Water Table (A: Saturation (A3) Water Marks (B1) Sediment Deposits (B	of one req	uired; check all th	Wa 1, 2 Sa Aq Hy	2, 4A, and alt Crust (B' quatic Invertorder Sul	4B) 11) tebrates (B13) lfide Odor (C1)		Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Ima	,
Vetland Hydrometric Primary Indicates Section 1.5	trology Indicator eators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	of one req	uired; check all th	Wa 1, 2 Sa Aq Hy	2, 4A, and alt Crust (B' quatic Invertorder Sul	4B) 11) tebrates (B13) lfide Odor (C1)		Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)	Í
Vetland Hydrometric Primary India	cators (minimum cators (minimum cators (minimum cators (Mater (A1))) High Water Table (A: Saturation (A3) Water Marks (B1) Sediment Deposits (B	of one requiped (2)	uired; check all th	Waana Na	2, 4A, and alt Crust (B ² quatic Invertordrogen Sulkidized Rhiz	4B) 11) tebrates (B13) lfide Odor (C1)	g Living Roots (C3)	Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Ima	Í
Vetland Hyderimary Indicates Series S	cators (minimum of Surface Water (A1) High Water Table (A Saturation (A3) Water Marks (B1) Sediment Deposits (B Drift Deposits (B3)	of one requiped (2)	uired; check all th	Waana Na	2, 4A, and alt Crust (B' quatic Invertordrogen Sulkidized Rhizesence of F	4B) 11) tebrates (B13) Iffide Odor (C1) zospheres alon Reduced Iron (g Living Roots (C3)	Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Ima Geomorphic Position (D2)	Í
Vetland Hyderimary India	cators (minimum cators) Eators (minimum cators) Eators (Minimum cators) Eators (Mater (A1) Eaturation (A3) Eaturation (A3) Eaturation (B1) Eators Eat	of one req 2) 32) 4)	uired; check all th	Walls and the second se	2, 4A, and alt Crust (B' quatic Invertordrogen Sul kidized Rhizesence of Fecent Iron F	4B) 11) tebrates (B13) Iffide Odor (C1) zospheres alon Reduced Iron (g Living Roots (C3) C4) owed Soils (C6)	Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Ima Geomorphic Position (D2) Shallow Aquitard (D3)	gery
Vetland Hyderimary India	cators (minimum of Surface Water (A1) High Water Table (A: Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B ron Deposits (B5)	of one req 2) 32) 4)		Wa 1, 2 Sa Aq Hyu Ox Pre Re Stu	2, 4A, and alt Crust (B' quatic Invert vdrogen Sul kidized Rhiz esence of F ecent Iron F unted or St	4B) 11) tebrates (B13) lfide Odor (C1) zospheres alon Reduced Iron (Reduction in Pla	g Living Roots (C3) C4) owed Soils (C6)	Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Ima Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5)	gery
Vetland Hyderimary India	cators (minimum of Surface Water (A1) digh Water Table (A) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B ron Deposits (B5) Surface Soil Cracks (B4)	of one req 2) 32) 4) (B6) Aerial Ima	gery (B7)	Wa 1, 2 Sa Aq Hyu Ox Pre Re Stu	2, 4A, and alt Crust (B' quatic Invert vdrogen Sul kidized Rhiz esence of F ecent Iron F unted or St	4B) 11) tebrates (B13) Ifide Odor (C1) zospheres alon Reduced Iron (Reduction in Planessed Plants	g Living Roots (C3) C4) owed Soils (C6)	Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Ima Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR	gery
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Primary Indices Primar	cators (minimum of cators)). Aligh Water Table (A. Caturation (A3)) Water Marks (B1) Sediment Deposits (B3) Aligal Mat or Crust (B3) Aligal Mat or Crust (B5) Surface Soil Cracks (mundation Visible on cators) Sparsely Vegetated (Cators) Wations: Present? Yes Present? Yes Present? Yes Present? Yes Pringe)	of one req 2) 32) 4) (B6) Aerial Ima Concave Si	gery (B7) urface (B8) No	Wa 1, 2 Sa Aq Hy Ox Pre Re Stu Oth Depth (inc	2, 4A, and alt Crust (B' quatic Invert drogen Sul didized Rhiz esence of F ecent Iron R unted or St her (Explain ches): ches):	4B) 11) tebrates (B13) Iffide Odor (C1) zospheres alon Reduced Iron (Reduction in Pleased Plants n in Remarks) >16 >16 >16	g Living Roots (C3) C4) owed Soils (C6) D1) (LRR A) Wetland Hyd	Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Ima Geomorphic Position (D2) Shallow Aquitard (D3) X Fac-Neutral Test (D5) Raised Ant Mounds (D6) (LRR Frost-Heave Hummocks (D7)	A)

PHS#

7296

Project/Site:	Sherwood I	ndustria	l Park	City/County:	Sherwe	ood/Washington	l	Sampli	ing Date:		10/6/	/2021	_
Applicant/Owner:	OWRA She	erwood,	LLC				State:	OR		Sampling	Point:	23	_
Investigator(s):		СМ		Section, To	wnship, Range:	Sect	ion 29D	, Townsh	nip 2Sou	th, Ranç	ge 1We	st	_
Landform (hillslope	e, terrace, etc.:)		Slope		Local relief (cor	ncave, convex, none	e):	No	one	Slop	oe (%):	3	_
Subregion (LRR):		LRR A	4	Lat:	45.36	55	Long:	-122	.8321		Datum:	WGS84	
Soil Map Unit Nam	e:		Aloha	silt loam		1	NWI Clas	sification:		N	one		_
Are climatic/hydrole	ogic conditions o	n the site t	ypical for this time	e of year?	Yes		No	X	(if no, expla	ain in Ren	narks)		_
Are vegetation	Soil	or Hy	/drology	significantly dist	urbed?	Are "Normal Circ	umstance	s" present	? (Y/N)	,	Y		
Are vegetation	Soil	or Hy	/drology	naturally problei	matic? If needed	, explain any answe	rs in Rem	narks.)					
		_		_									
SUMMARY O	F FINDINGS	– Attac	ch site map s	showing san	npling point	locations, trar	sects,	importa	ant feat	ures, et	c.		
Hydrophytic Vegeta	ation Present?	Yes	X No		Is Sampled Ar	oa within							
Hydric Soil Present	t?	Yes	No	X	a Wetlar		Yes_			No	<u> </u>		
Wetland Hydrology	Present?	Yes	No	X									
Remarks: P	recipitation is	below r	ormal, which	is now comm	ion. As such,	we make sure to	evalua	te a dry-	season v	vater tal	ole in a	reas of	
	•			•	•	are present. The			-		•		
	•	_	•			d storm facilities eet flow from pe	•	•	•	•	adual ı	upland slop	es
VEGETATION					, continuar sir	eet now nom pe	IVIOUS	upper sic	pes as i	<i>J</i> C1016.			
			absolute	Dominant	Indicator	Dominance Te	st work	sheet:					
			% cover	Species?	Status								
<u>Tree Stratum</u> (p		30)	_			Number of Domin	-						
1 Populus bal	Isamifera		5	X	FAC	That are OBL, FA	CW, or F	AC:		6		(A)	
2		-											
3						Total Number of D				7		(D)	
				= Total Cover		Species Across A	ıı Sırata:	-		-		(B)	
				- Total Cover									
Sapling/Shrub Stra		: 30	_)			Percent of Domina							
1 Crataegus n			5	<u> </u>	FAC	That are OBL, FA	CW, or F	AC:		86%		(A/B)	
2 Rubus arme			<u>5</u>	x	(UPL)	Prevalence Inc	lov Wor	kohooti					
4	isiieia				(OFL)	Total % Cover of	ICX WOI		Multiply by:				
5						OBL Specie	<u> </u>		x 1 =		0		
			15	= Total Cover		FACW specie	_		x 2 =		0		
						FAC Specie	_		x 3 =		0		
<u>Herb Stratum</u> (p	lot size:	10				FACU Specie	es _		x 4 =		0		
1 Agrostis ca	pillaris		50	X	FAC	UPL Specie	s _		x 5 =		0		
2 Alopecurus	pratensis		20	X	FAC	Column Tota	ls _	0	(A)		0((B)	
3 Holcus lana			20	X	FAC								
4 Dipsacus fu			10		FAC	Prevalence	Index =B/	'A = _	#	DIV/0!			
5 Hypericum 6 Anthoxanth			10		FACU FACU	Hydrophytic V	nantatio	n Indias	toro				
7 Portulaça o			5		FAC	Inyurophytic V	-		st for Hydro	anhytic Ve	agetation	•	
8 Madia glom					FACU				ce Test is	-	getation	l	
induid grown	Crutu		130	= Total Cover	TAGO				e Index is:				
						-			gical Adapt		rovide sı	upporting	
Woody Vine Stratu	m (plot size:)				da	ata in Rem	arks or on	a separat	te sheet)		
1							5-	Wetland I	Non-Vascu	lar Plants	;1		
2							P	roblematic	Hydrophyt	ic Vegeta	tion ¹ (Ex	rplain)	
			0	= Total Cover		¹ Indicators of hydr		d wetland h	nydrology r	nust be pi	resent, u	nless	
						disturbed or proble Hydrophytic	ematic.						
% Bare Ground in	Herb Stratum		0			Vegetation		Yes	X		No		
						Present?		-					
Remarks:													

Profice Deciration Decira				PHS#	729				Sampling Point:	23
Color Front South Front	rofile Desc	ription: (Describe to tl	he depth	needed to docume	nt the indic	ator or con	firm the abse	nce of indicators.)		
9-8 10YR 3/3 100 98 10YR 8/1 2 D M Loamy Sand Fine 6-16 10YR 3/8 98 10YR 8/1 2 D M Loamy Sand Fine 7-SYR 4/6 2 C M Loamy Sand Fine 7-Syr 4 Syr	•						. 2	_		
6-16 10 YR 3/6 10 YR				Color (moist)	<u></u> %	I ype	Loc		Remarks	
Fine										
Type: C=Concentration, D=Depleton, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. **Location: PL=Pore Lining, M=Matrix.** Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) **Historical (A1)** **Historical (A2)** **Black Histic (A3)** **Location: PL=Pore Lining, M=Matrix.** **Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) **Historical (A2)** **Black Histic (A3)** **Location: PL=Pore Lining, M=Matrix.** **Hand Experience (A2)** **Black Histic (A3)** **Location: PL=Pore Lining, M=Matrix.** **Hand Experience (A2)** **Black Histic (A3)** **Location: PL=Pore Lining, M=Matrix.** **Location: PL=Pore Lining Lining.** **Indication: PL=Pore Lining Lining.** **Indication: PL=Pore Lining Lining.** **Indication: PL=Pore Lining Lining.** **Indication: PL=Pore Lining Lining.** **Indic	6-16	10YR 3/6	96						Fine	
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosoi (A1) Histosoi (A2) Histosoi (A2) Blank Histor (A3) Sandy Redox (B5) Red Parent Material (TP2) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (except MLRA 1) Loamy Gleyed Matrix (F2) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Depleted Bellow Dark Surface (A112) Annual Mucky Mineral (B1) Sandy Gleyed Matrix (B4) Sandy Gleyed Matrix (B4) Sandy Gleyed Matrix (B4) Sandy Mucky Mineral (B1) Sandy Gleyed Matrix (B4) Sandy Gleyed Matrix (6-16			7.5YR 4/6		<u> </u>	M	Loamy Sand	Fine	
Hidicators: (Applicable to all LRRs, unless otherwise noted.) Hidicators (A1) Hidicators (A2) Hidicators (A2) Black Hidicators: Berearch: Redox Dark Surface (F16) Sandy Gloyed Matrix (S4) Depleted Dark Surface (F16) Sandy Gloyed Matrix (S4) Depleted Dark Surface (F18) Brack Burdace (F17) Wetland Hydrology Indicators: Wetland Hydrology Indicators: Hydric Soil Present? Water stained Leaves (B3) (Except MLRA) Hydric Soil Present? Water stained Leaves (B3) (Except MLRA) Water stained Leaves (B3) Hidicators: Water stained Leaves (B3) (Except MLRA) Water stained Leaves (B4) Hydric Soil Present? Water stained Leaves (B4) Water stained Leaves (B4) Hydric Soil Present? Water stained Leaves (B5) Water Marks (B1) Aquatic invertebrates (B13) Secondary Indicators (2 or more required) Water Marks (B1) Aquatic invertebrates (B13) Doy-Season Water Table (C2) Saturation Visible on Aerial Imagery Brown Deposits (B3) Odided Ribicaspheres and pLiving Roots (C3) Secondary Indicators (B4) Frost-Heave Hummocks (D7) Presence of Reduced Iron (C4) Shallow Aquator (D3) Frost-Heave Hummocks (D7) Sparsely Vegetatod Concave Surface (B8) Surface Soil Cracks (B6) Surfa										
Histosol (A1) Sandy Redox (S5)										
Hidlosof (A1) Sandy Redox (S5) 2 cm Mux(A10) Hidlosof (A1) Sandy Redox (S5) 2 cm Mux(A10) Hidlosof (A1) Sandy Redox (S5) Red Parent Material (TF2) Black Hidlosof (A1) September (R5) Sept				,						
Histosof (A1) Sandy Rodox (S5) 2 cm Mark (A10) Histosof (A1) Sandy Rodox (S5) 2 cm Mark (A10) Histosof (A1) Sandy Rodox (S5) Red Parent Material (TF2) Black Histic (A3) Loany Mucky Mineral (F1) (except MLRA 1) Very Shallow Dark Surface (TF12) Hydrogen Sulfide (A4) Loany Gleyd Matrix (E2) Other (explain in Romants) Depleted Below Dark Surface (A11) Pepted Matrix (F2) Sandy Mucky Mineral (S1) Pepted Matrix (F2) Sandy Mucky Mineral (S1) Pepted Matrix (F2) Sandy Gleyd Matrix (S4) Pepted Matrix (S5) Sandy Gleyd Matrix (S5) Sandy Gleyd Matrix (S5) Pepted Matrix (S5) Sandy Gleyd Matrix (S5) Sand										
Historia (A1)		<u> </u>				_				
Histocol (A1) Histoc Epipedon (A2) Histoc (A3) Loamy Mucky Mineral (F1) (except MLRA 1) Loamy Mucky Mineral (F1) (except MLRA 1) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Depleted Bellow Dark Surface (A11) Depleted Bellow Dark Surface (A12) Histoc Surface (A12) Pepted Bellow Dark Surface (A12) Pepted Dark Surface (F6) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Redox Dark Surface (F7) Pepth (inches): Hydric Soil Present? Yes No X Sandy Mucky Mineral (S1) Problematics Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Water stained Leaves (B9) (Except MLRA Mater Table (A2) Saturation (A3) Sati Crust (B11) Saturation (A3) Sati Crust (B11) Sediment Deposits (B2) Pydrogen Sulface (G0r (C1) Sediment Deposits (B2) Pydrogen Sulface (G0r (C1) Sediment Deposits (B2) Primary Indicators (B3) Surface Water (A1) Sediment Deposits (B2) Primary Indicators (B2) Primary Indicators (B2) Primary Indicators (B3) Sediment Deposits (B2) Primary Indicators (B3) Sati Crust (B11) Primary Indicators (B3) Sediment Deposits (B2) Primary Indicators (B4) Primary Indicators (B4) Primary Indicators (B4) Sediment Deposits (B2) Primary Indicators (B4) Primary Indicators	Гуре: С=Соі	ncentration, D=Depletio	on, RM=Re	educed Matrix, CS=	Covered or (Coated San	d Grains.		² Location: PL=Pore Lining, M=Matrix.	
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PYDROLOGY // Jetland Hydrology Indicators: // Image: April Mydrology Indicators: // Jetland Hydrology Indicators: // Jetland Leaves (B9) // Jetland Leaves (B10) // Jetland Leaves (B10) // Jetland Leaves (B10) //		Sandy Gleyed Matrix ((S4)		F	Redox Depre	essions (F8)			
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Saturation Present? Yes No X Depth (inches): >16 Yes No X Includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	HYDROLO Vetland Hy Primary Ind	pdy ydrology Indicators icators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (E Inundation Visible on a Sparsely Vegetated C rvations:	f one req) 2) 4) Aerial Ima	gery (B7) urface (B8)	V 1 1 S A A A A A A A A A A A A A A A A A	a, 2, 4A, and a salt Crust (B aquatic Inversely drogen Su a salt	14B) 11) rtebrates (B13) ilfide Odor (C1 zospheres alor Reduced Iron (Reduction in Pl tressed Plants	(Except MLRA) ng Living Roots (C3) C4) owed Soils (C6) (D1) (LRR A)	Secondary Indicators (2 or more rewards Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (Comparison of the comparison of the	equired) C2) I Imagery
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	HYDROLO Vetland Hy Primary Ind	pogy ydrology Indicators icators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (E Inundation Visible on A Sparsely Vegetated C rvations:	f one req) 2) 4) Aerial Ima	gery (B7) urface (B8) No <u>X</u>	V 1 1 S A A A C C C C C C C C C C C C C C C C	a, 2, 4A, and a salt Crust (B aquatic Inverse lydrogen Substituted Rhi Presence of Recent Iron Fatunted or Sibther (Explainments):	14B) 11) rtebrates (B13) Ilfide Odor (C1 zospheres alor Reduced Iron (Reduction in Pl tressed Plants in in Remarks)	(Except MLRA) ng Living Roots (C3) C4) owed Soils (C6) (D1) (LRR A)	Secondary Indicators (2 or more rewards Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (Control Saturation Visible on Aeria Geomorphic Position (D2) Shallow Aquitard (D3) Fac-Neutral Test (D5) Raised Ant Mounds (D6) (Long Frost-Heave Hummocks (E)	equired) C2) I Imagery (
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	IYDROLO Vetland Hy Primary Ind ield Obse urface Water /ater Table aturation Princludes capilli	pogy ydrology Indicators icators (minimum of Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4 Iron Deposits (B5) Surface Soil Cracks (E Inundation Visible on a Sparsely Vegetated C rvations: ar Present? Yes Present? Yes esent? Yes ary fringe)	f one req) 2) 36) Aerial Ima oncave St	gery (B7) urface (B8) No	V 1 1 S A A A A A A A A A A A A A A A A A	a, 2, 4A, and salt Crust (B equatic Inverse of execution	14B) 11) rtebrates (B13) ilfide Odor (C1 zospheres alor Reduced Iron (Reduction in Pl tressed Plants in in Remarks) >16 >16	(Except MLRA) ng Living Roots (C3) C4) owed Soils (C6) (D1) (LRR A) Wetland Hyd	Secondary Indicators (2 or more rewards Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (Control of the status of the st	equired) C2) I Imagery LRR A)

PHS#

7296

Project/Site:	Sherwood I	ndustrial	Park	City/County:	Sherwo	ood/Washingto	n	Sampli	ng Date:	·	10/6/2	021
Applicant/Owner:	OWRA She	erwood,	LLC				State:	OR		Sampling F	oint:	24
Investigator(s):		СМ		Section, To	wnship, Range:	Sec	tion 29D	, Townsh	nip 2Sou	th, Range	1Wes	t
Landform (hillslope	, terrace, etc.:)		Slope		Local relief (cor	ncave, convex, nor	ne):	No	one	Slope	(%):	3
Subregion (LRR):		LRR A	1	Lat:	45.365	52	Long:	-122	.8319	Da	tum:	WGS84
Soil Map Unit Name	e:		Huberly	y silt loam			NWI Clas	sification:		Noi	ne	
Are climatic/hydrolo	ogic conditions or	n the site ty	ypical for this time	e of year?	Yes		No	X	(if no, expla	ain in Rema	rks)	
Are vegetation	Soil	or Hy	drology	significantly dist	urbed?	Are "Normal Cir	cumstance	s" present	? (Y/N)	Υ		
Are vegetation	Soil	or Hy	drology	naturally probler	matic? If needed	, explain any answ	ers in Rem	narks.)				
				•								
SUMMARY OF	FINDINGS	Attac	h site map s	showing san	npling point	locations, tra	nsects,	importa	ant featu	ures, etc	•	
Hydrophytic Vegeta	tion Present?	Yes _	No No	X	Is Sampled Ar	ea within						
Hydric Soil Present	?	Yes _	No	X	a Wetlar		Yes_			No <u>X</u>		
Wetland Hydrology	Present?	Yes _	No	X								
Remarks: Pr	ecipitation is	below n	ormal, which	is now comm	ion. As such,	we make sure t	o evalua	te a dry-	season v	vater table	e in ar	eas of
lower topograp	•			•	•	•			-		•	
that hydrology i	•	_	•				_	•	•	•	dual u	pland slopes
VEGETATION					Continual Sil	et now from p	ervious	upper sic	ppes as i	belore.		
VEGETATION	000 001011	tino nan	absolute	Dominant	Indicator	Dominance T	est work	sheet:				
			% cover	Species?	Status							
Tree Stratum (pl	ot size:	30)				Number of Domi	nant Speci	es				
1 Populus bal	samifera		20	X	FAC	That are OBL, F	ACW, or F	AC:		3	(/	A)
2												
3						Total Number of						
4						Species Across	All Strata:	_		8	(E	3)
			20	= Total Cover								
Sapling/Shrub Stra	tum (plot size	: 30	_)			Percent of Domi	nant Speci	es				
1 Cytisus sco	parius		5	X	(UPL)	That are OBL, F	ACW, or F	AC:		38%	(/	VB)
2 Rubus arme	niacus		5	X	FAC							
3						Prevalence In		ksheet:				
						Total % Cover of		_	Multiply by:			
5						OBL Speci	-		x 1 =	0		
			10	= Total Cover		FACW speci	_		x 2 = x 3 =	0		
Herb Stratum (pl	ot size:	10)				FACU Spec	_		x 4 =			
1 Hypochaeris	radicata		5		FACU	UPL Speci			x 5 =	0		
2 Daucus card	ota		10	Х	FACU	Column To	tals	0	(A)	0	(E	5)
3 Holcus lana	tus		20	Х	FAC							
4 Lactuca seri	riola		5		FACU	Prevalence	e Index =B/	'A =	#	DIV/0!		
5 Hypericum p	perforatum		10	X	FACU							
6 Anthoxanth	um odoratum		20	X	FACU	Hydrophytic \	/egetatio	n Indica	tors:			
7 Portulaca ol			5		FAC		1-	Rapid Te	st for Hydro	ophytic Veg	etation	
8 <u>Leucanthem</u>	um vulgare		10	X	FACU			Dominand				
			85	= Total Cover				Prevalenc		≤ 3.0 ' ations¹ (pro	vide suu	onortina
Woody Vine Stratu	m (plot size:)							a separate		pporting
1	<u></u> (1		- ′					· Wetland I				
2						-				ic Vegetatio	n ¹ (Exp	lain)
			0	= Total Cover		¹ Indicators of hyd				•	٠.	,
						disturbed or prob	olematic.			-		
0/ Para Cra	Jorb Ctrot		15			Hydrophytic		Vaa			Na	v
% Bare Ground in I	nerd Stratum		15			Vegetation Present?		res_			No_	X
Remarks:												

			PHS#	729				Sampling Point: 24
rofile Descr	iption: (Describe to t	he depth i	needed to docume	ent the indica	ator or con	firm the abse	nce of indicators.)	
Depth	Matrix				Features	2		
(Inches)	Color (moist)	%	Color (moist)		Type ¹	Loc ²	Texture	Remarks
0-6	10YR 3/4	100					Loam	
6-14	10YR 3/4	70	10YR 4/2	10	D	M	Loamy Sand	Coarse; mixed matrix
6-14	10YR 3/3	20					Loamy Sand	Mixed matrix
	<u></u>							
	· <u></u>					,		
						•		
Type: C=Con	centration, D=Depletion	n RM=Re	educed Matrix CS=	Covered or C	Coated San	d Grains		² Location: PL=Pore Lining, M=Matrix.
	Indicators: (Appli						Indic	ators for Problematic Hydric Soils ³ :
yanc oon		cable to	an Litto, ames				maic	-
	Histosol (A1)				Sandy Redox			2 cm Muck (A10)
	Histic Epipedon (A2)				Stripped Mat		(Red Parent Material (TF2)
	Black Histic (A3)				-		(except MLRA 1)	Very Shallow Dark Surface (TF12)
	Hydrogen Sulfide (A4)					ed Matrix (F2)		Other (explain in Remarks)
	Depleted Below Dark	Surface (A	A11)	D	epleted Ma	trix (F3)		
	Thick Dark Surface (A	(12)		R	Redox Dark	Surface (F6)		31
	Sandy Mucky Mineral	(S1)		D	epleted Da	rk Surface (F7)		³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or
	Sandy Gleyed Matrix ((S4)		R	Redox Depre	essions (F8)		problematic.
	c).						Hydria Sail Bro	cont2 Voc. No. V
epth (inche emarks: he matrix		ed, but ç	generally high ir	n chroma.	There are	no iron cor	Hydric Soil Pres	, but rather a homogenous mixture of
igh chrom	in this area is mix a matrices.		generally high ir	n chroma.	There are	no iron cor		
epth (inche emarks: he matrix igh chrom	in this area is mix na matrices. DGY rdrology Indicators	S:			There are	no iron cor		, but rather a homogenous mixture of
epth (inche emarks: he matrix igh chrom	in this area is mix a matrices. OGY drology Indicators cators (minimum of	S:		hat apply)			ncentrations here	, but rather a homogenous mixture of Secondary Indicators (2 or more required)
epth (inche emarks: he matrix igh chrom	in this area is mix in a matrices. OGY rdrology Indicators cators (minimum of Surface Water (A1)	s: f one req		hat apply) w		ed Leaves (B9)		, but rather a homogenous mixture of
epth (inche emarks: he matrix igh chrom	in this area is mix a matrices. OGY rdrology Indicators cators (minimum of Surface Water (A1) High Water Table (A2)	s: f one req		hat apply) w 1	Vater staine , 2, 4A, and	ed Leaves (B9) i 4B)	ncentrations here	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B)
epth (inche emarks: he matrix igh chrom YDROLO (etland Hy	in this area is mix a matrices. OGY redrology Indicators cators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3)	s: f one req		hat apply) W 1,	Vater staine , 2 , 4A , and Salt Crust (B	ed Leaves (B9) i 4B)	(Except MLRA	Secondary Indicators (2 or more required) Water stained Leaves (B9) (MLRA1, 2, 4A, and 4B) Drainage Patterns (B10)
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Appendix C

Vegetated Corridor Data Sheet Site Photos



Vegetated Corridor Sample Sites

Sherwood Industrial Park Phase 3 Development Site

Plant Community		Α			E	3		(C
Sample Point	SP1	SP4	SP6		SP8	VC1		SP11	SP13
TREES	01 1	01 4	0.0		010	701		01 11	01 10
Native			-00						
Fraxinus latifolia			20	•					
Corylus cornuta	10			•					
Populus balsamifera		30							
Pseudotsuga menziesii	10								
Salix scouleriana	20								
Quercus garryana	30			' 					
SHRUBS & SAPLINGS	00								
Native									
Alnus rubra	30								
	30	20	- E		5				
Populus balsamifera		20	5		3				
Salix lasiandra			20						
Mahonia aquifolium	10		30	<u> </u>					
Quercus garryana				ı.	5				
Rubus ursinus		30			10				
Spirea douglasii	20								
Fraxinus latifolia			10						
Non native									
Crataegus monogyna				,	5				
nvasive	40	00		,	- 00	_			
<u>Cytisus scoparius</u>	10	20		u.	20	5			
Rubus laciniatus		00		ı	40	00		5	400
Rubus armeniacus HERBS		80	20		10	20	•	50	100
Native									
Equisetum arvense		10		ı					
Madia glomerata		10				5			
Galium aparine	20								
Hypericum perforatum			10	i	5	5			
Non native									
Holcus lanatus	30		25		25	30			
Agrostis capillaris						10		30	
Dactylis glomerata		10	20	,	10				
Leucanthemum vulgare			20		15				
Anthoxanthum odoratum Daucus carota			10 10		25	20			
Poa pratensis	5		10			20			
Bromus sp.	- 0			,	20	20			
Invasive									
	5		5					60	10
Dipsacus fullonum	5	40	5					60	10
Cirsium arvense		10				5			10
Phalaris arundinacea	40	10				20		10	10
*0		A	=-	Average		3	Average		
*Canopy cover	60	60	50	57 50	0 16	7	0 12	0	0
0/ Nativa Chasica	6.5	11							
% Native Species	63	41	46 12						
% Native Species % Invasive Species Total cover	63 23 240	55 220	12 205	30 222	19 155	36 140	28 148	81 155	100

^{*}Canopy cover totals reflect multi-layer coverage



Photo A:

Looking southwest at sample points 8 and 9 and the east side of Wetland A.

Photo date: September 22, 2021

Photo B:

Looking south at current trunk sewer work along Rock Creek, which has reduced the slope below 25% in this VC area (SPL20-0667).

Photo date: August 25, 2021



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Photo C:

Looking east where a storm culvert outfalls toward Rock Creek.

Photo date: September 22, 2021

Photo D:

Looking southwest at sample point 14 with the storm detention pond in the background.

Photo date: September 22, 2021



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Photo E:

Looking southwest at Sample points 12 and 13 and Plant Community C.

Photo date: September 22, 2021

Photo F:

Looking north at Wetland A and Plant Community C and A. Sample points 12 and 13 are in the distance.

Photo date: August 25, 2021



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Photo G:

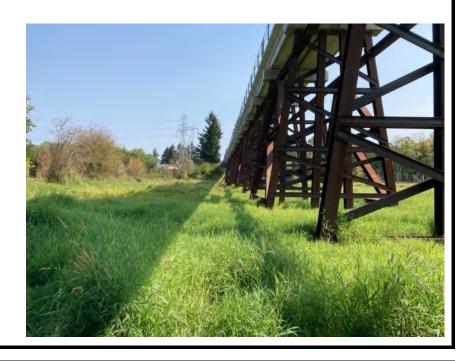
Looking south at sample points 10 and 11 from within Plant Community C.

Photo date: August 25, 2021

Photo H:

Looking northeast at the wetland terrace adjacent to Rock Creek.

Photo date: August 25, 2021



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Photo I:

Looking southeast at sample points 1 and 2 and the ditched portion of Wetland A.

Photo date: August 25, 2021

Photo J:

Looking northeast at sample point 3 in a remnant ditch.

Photo date: August 25, 2021



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Sherwood Industrial Park Phase 3 Development Site, Sherwood, Oregon

Appendix D

NRA Definitions and Methodology



NATURAL RESOURCE ASSESSMENT (NRA)

Regulatory Jurisdiction

Clean Water Services, as part of their revised Design and Construction Standards, requires that natural resource assessments be conducted for Sensitive Natural Resource Areas within their jurisdiction. Sensitive Natural Resource Areas include intermittent and perennial creeks, wetlands, springs, and seeps, and associated vegetated corridors. The intent of these requirements is to "...prevent or reduce adverse impacts to the drainage system and water resources of the Tualatin River Basin" (CWS 2017). CWS requires a wetland determination/delineation and vegetated corridor assessment on projects that contain or are within 200 feet of a Sensitive Area.

Natural Resource Assessment Methodology

The Natural Resource Assessment (NRA) contains two components: a delineation of the water quality sensitive areas and a vegetated corridor evaluation. A detailed discussion of the methodology is included in Chapter 3 of CWS's revised Design and Construction Standards (CWS, 2017). A brief description of each component is included below.

Delineation of water quality sensitive areas

A delineation of all on-site water quality sensitive areas (wetland, intermittent/perennial streams, springs, and natural lakes or ponds) must be conducted. For wetlands, the required criteria, and suggested methodologies of the *Corps of Engineers Wetland Delineation Manual Technical Report Y-87-1*, (Environmental Laboratory, 1987) must be used to delineate the boundaries. This manual defines wetlands as requiring indicators of hydric soils, a dominance of hydrophytic vegetation, and wetland hydrology. A determination as to whether streams are intermittent or perennial must be made. The extent of all streams, springs, and natural lakes or ponds must also be determined.

When known sensitive areas exist on adjacent properties, an attempt must be made by the applicant to obtain access to delineate the limits of these off-site features, especially if vegetated corridors associated with an off-site sensitive area may extend onto a proposed development site.

Determine Vegetated Corridor Width and Condition

The width of the vegetated corridor must be determined at least every 100 feet along the boundary of the water quality sensitive area. The corridor width can range between 15 and 200 feet and is measured horizontally from the outer edge of the water quality sensitive area. The boundaries of the sensitive areas and their vegetated corridors must be staked, surveyed, and mapped within the property and within 200 feet of the property line on a base map. The vegetated corridor width is based on the type of water resource (wetland, lake, stream), the size and nature of the water resource (acreage and/or perennial/intermittent), the size of the watershed, and the adjacent slope.

Upon identification of the regulated vegetated corridor boundary, the existing condition of the vegetated corridor must also be determined. This is accomplished by 1) identifying the plant community types present in the vegetated corridor, 2) documenting representative sample points, 3) characterizing each plant community type, 4) determining the cover by native species, invasive species, and noxious plants, and 5) based on this information determining whether the existing vegetated corridor condition for each plant community is good, marginal, or degraded.