

Panzer Nursery Wetland Delineation Report

SEPTEMBER 2022

PREPARED FOR
Stanton Street Building Company LLC

PREPARED BY

SWCA Environmental Consultants

PANZER NURSERY WETLAND DELINEATION REPORT TOWNSHIP 1 SOUTH, RANGE 1 WEST, SECTION 06BC, WASHINGTON COUNTY TAX LOTS 3600, 3700, 3702, 3800, 3900, 4000, 4100, AND 4200, BEAVERTON, OREGON

Prepared for

Stanton Street Building Company LLC PO Box 1297 Cannon Beach, Oregon 97110 Attn: Pam Verdadero

Prepared by

SWCA Environmental Consultants 1800 NW Upshur Street, Suite 100 Portland, Oregon 97209 (503) 224-0333 www.swca.com

SWCA Project No. 74960

September 2022

CONTENTS

Introduction1
A. Landscape Setting and Land Use1
B. Site Alterations
C. Precipitation Data and Analysis2
D. Methods
E. Description of All Wetlands and Other Non-Wetland Waters
Wetland
Upland
F. Deviation from LWI or NWI
G. Mapping Method4
H. Additional Information4
I. Results and Conclusions
J. Required Disclaimer
K. List of Preparers
L. Literature Cited and Reviewed

Appendices

Appendix A. Aerial Photographs Appendix B. Precipitation Data Appendix C. Wetland Determination Data Forms Appendix D. Ground-Level Site Photographs Appendix E. Vegetation List

Figures

Figure 1. Site location map.	8
Figure 2. Tax lot map (aerial base).	9
Figure 3. Tax lot map (paper base).	10
Figure 4. Soils map.	11
Figure 5. Local Wetlands Inventory map	12
Figure 6. Wetland delineation map.	13
Figure 7. Wetland delineation map detail.	14

Tables

Table 1. Study Area Tax Lot Summary	1
Table 2. Precipitation Data – Monthly Averages Based on the Climate Period 1991–2020	
Table 3. Precipitation Summary	2
Table 4. Soil Map Units (Washington County)	

INTRODUCTION

SWCA Environmental Consultants (SWCA) conducted a wetland delineation of the approximately 28.54acre Panzer Nursery site located at 17980 SW Baseline Road, in Beaverton, Oregon (Figure 1). The study area comprises Tax Lots 3600, 3700, 3702, 3800, 3900, 4000, 4100, and 4200 on Washington County Tax Map 1S106BC (Figures 2 and 3). Table 1 shows site addresses and the tax lot acreage based on the tax lot map (professional land survey provided the site size listed above, resulting in the slight difference in the total). The centroid latitude and longitude of the study area are 45.513187 and –122.864388. Fieldwork was conducted on June 29 and July 6, 2022. This report presents the results of the delineation of one wetland (Wetland Pz).

Township	Range	Section	Tax Lot	Site Address	Acres
1 South	1 West	06BC	3600	No site address	14.29
			3700	No site address	0.60
			3702	1065 SW 181st Avenue, Aloha	4.16
			3800	18110 SW Baseline Road, Beaverton	3.63
			3900	No site address	0.87
			4000	No site address	0.88
			4100	17980 SW Baseline Road, Beaverton	3.33
			4200	No site address	0.85
				Total Approximate Acreage	28.61

Table 1. Study Area Tax Lot Summary

A. LANDSCAPE SETTING AND LAND USE

OAR141-090-0035 (12)(a)

The site has been used as a greenhouse nursery for many years. The site is generally flat. Surrounding land use is residential south of Baseline Road and commercial/industrial north of Baseline Road. Willow Creek, located northwest of the site, flows southwest into Beaverton Creek south of the site.

B. SITE ALTERATIONS

OAR141-090-0035 (10)(a-b), (12)(b)

The majority of the site is developed with greenhouses, office buildings, and parking areas. A singlefamily residence with a swimming pool and detached garage is located in the south-central portion of the site. The only natural vegetation remaining on the site surrounds the residence on the west and south sides. Historical aerials of the site indicate that the nursery initiated development between 1960 and 1970 and was completely built out between 1994 and 2000. Recent aerial photographs of the site are in Appendix A.

C. PRECIPITATION DATA AND ANALYSIS

OAR141-090-0035 (12)(c)

The wetlands climate analysis (WETS) station and observed precipitation data for the subject site were obtained from the Portland, Oregon, KGW-TV station (National Oceanic and Atmospheric Administration [NOAA] 2022). Average annual rainfall according to the WETS table for the station is 44.07 inches, and the growing season is from January 12 to December 29. Table 2 shows the monthly precipitation averages and observed precipitation for several months prior to SWCA's site visits.

Month		30% Chano	e Will Have	Observed		
	Average (inches)	Less Than More Than		Precipitation (inches)	Within Normal Range?	
		(inches)				
June	1.49	0.85	1.81	3.29	Above normal (221%)	
Мау	2.58	1.41	3.07	4.69	Above normal (182%)	
April	3.63	2.69	4.22	6.22	Above normal (171%)	
March	4.83	3.66	5.67	4.42	Normal (92%)	

Table 2. Precipitation Data – Monthly Averages Based on the Climate Period 1991–2020
--

Source: NOAA (2022).

Table 3 shows precipitation on the day of the field visit, 2 weeks prior, water year to date (WYTD; starts October 1), calendar year to date (CYTD), and normal values.

Table 3.	Precipitat	tion Summary
10010 01		

		Observed Prec	ipitation (inche				
Field Visit Date	Day of	2 Weeks Prior	WYTD	CYTD	 WYTD Normal Value (Percentage of Normal) 	CYTD Normal Value (Percentage of Normal)	
June 29, 2022	0.00	0.21	46.27	24.65	41.46 (112%)	23.57 (105%)	
July 6, 2022	0.21	0.02	37.35	15.73	41.63 (119%)	23.74 (117%)	

Source: NOAA (2022).

Based on the data in Tables 2 and 3, and using the standard antecedent precipitation tables in Appendix B, the precipitation for the prior months was wetter than normal. However, based on the type of wetland delineated, it is not surprising that it dried out quickly after the rains ceased on June 19.

D. METHODS

OAR141-090-0035 (7)(a-g), (8), (9), (10)(a-b), (11)(a-c), (12)(d-g),(h)(A-J), (15), (16), (17)(a-e)

The methodology used for determining the presence of wetlands and delineating wetland boundaries followed the U.S. Army Corps of Engineers (USACE) *Wetlands Delineation Manual* (Environmental Laboratory 1987) and the *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Western Mountains, Valleys, and Coast Region (Version 2.0)* (USACE 2010), used by both the Oregon Department of State Lands (DSL) and USACE. *The National Wetland Plant List* (USACE 2020) was used to assign wetland indicator status for the region.

Fieldwork was conducted on June 29 and July 6, 2022, by C. Mirth Walker, Senior Professional Wetland Scientist (PWS), and Chris Moller, Lead Wetland Scientist. Soils, vegetation, and any indicators of hydrology were recorded at eight sample plot locations on standardized wetland determination data forms (Appendix C) to document site conditions. Soil colors were identified using the Munsell Soil Color Charts Year 2000 revised washable edition by X-Rite published in Grand Rapids, Michigan.

Table 4 shows the mapped soils on the site, and the soil map is shown on Figure 4.

Map Unit Symbol	Map Unit Name	Hydric	Hydric Inclusion
1	Aloha silt loam	No	Huberly
37C	Quatama loam, 7% to 12% slopes	No	Huberly
37D	Quatama loam, 12% to 20% slopes	No	Huberly
2027A	Verboort silty clay loam, 0% to 3% slopes	Yes	Dayton, Wapato, Labish, Cove, silty clay loam surface
2225A	Huberly silt loam, 0% to 3% slopes	Yes	Verboort

Table 4. Soil Map Units (Washington County)

Source: Natural Resources Conservation Service (2022a, 2022b).

Representative ground-level site photographs are included in Appendix D. A list of vegetation (with common and scientific names, and wetland indicator status) observed on the site is included in Appendix E. The site is covered by a Local Wetlands Inventory (LWI) map (Figure 5), so no National Wetlands Inventory (NWI) map is provided with this report.

E. DESCRIPTION OF ALL WETLANDS AND OTHER NON-WETLAND WATERS

OAR141-090-0035 (2), (7)(a-g), (8), (9), (10)(a-b), (11)(a-c), (12)(e), (14)(a-i), (15), (16), (17)(a-e)

Wetland

Wetland Pz (0.42 acre / 18,285 square feet)

Wetland Pz is classified as mostly a palustrine forested (PFO) wetland with a small area of palustrine emergent (PEM) wetland along the eastern side using the *Classification of Wetlands and Deepwater Habitats of the United States* (Cowardin et al. 1979). The wetland is classified as a depressional wetland using the *Guidebook for Hydrogeomorphic (HGM)-based Assessment of Oregon Wetland and Riparian Sites: Statewide Classification and Profiles* (Adamus 2001).

Wetland Pz's vegetation was dominated by Oregon ash (*Fraxinus latifolia*) trees, with Nootka rose (*Rosa nutkana*), English hawthorn (*Crataegus monogyna*), Oregon crabapple (*Malus fusca*), and four-line honeysuckle or black twinberry (*Lonicera involucrata*) in the understory, and large camas (*Camassia leichtlinii*) and spreading rush (*Juncus patens*) in the herbaceous layer, with toad rush (*Juncus bufonius*) present in the emergent portion of the wetland. Soils displayed the Depleted Below Dark Surface (A11) and Redox Dark Surface (F6) hydric soil indicators. Due to the late spring/early summer evaluation, wetland hydrology was documented by the presence of oxidized rhizospheres along living roots and secondary hydrology indicators. Wetland hydrology is likely provided by a high groundwater table in the spring and by surface precipitation.

The wetland boundary was defined by a change in topographic elevation, and changes in the plant community, soils, and hydrology. The wetland is contained entirely within the site and does not extend off-site.

Upland

The forested upland on the site was dominated by Oregon white oak (*Quercus garryana*), Saskatoon service-berry (*Amelanchier alnifolia*), common snowberry (*Symphoricarpos albus*), and English ivy (*Hedera helix*). One plot, SP5, was placed in the only undeveloped area mapped with hydric soils, on a mound along Baseline Road, which was dominated by annual blue grass (*Poa annua*) and hairy cat's-ear (*Hypochaeris radicata*). Sample plots in upland areas did not display hydric soil indicators (except for SP5, on fill; SP6, which did not have strong wetland vegetation; and SP8, a very tiny patch of slough sedge [*Carex obnupta*] that did not display any secondary indicators of hydrology). Sample plots in upland areas lacked any indicators of wetland hydrology. SWCA is confident that the wetland boundary was delineated well, even though primary indicators of wetland hydrology were lacking at the time of our site visits.

F. DEVIATION FROM LWI OR NWI

OAR141-090-0035 (7)(e), (12)(f)

The City of Beaverton LWI (Shapiro and Associates, Inc. 2000; map updated 2001) (see Figure 5) shows no wetlands mapped on the site. Likewise, the NWI only maps Willow Creek northwest of the site.

G. MAPPING METHOD

OAR141-090-0035 (3), (5), (11)(a-c), (12)(f),(g), (13)(a-g), (14)(a-i), (15), (16)

Wetland boundaries were flagged with pink "Wetland Boundary" flagging, and sample plots were flagged with yellow wire whips with red and white streamers. The wetland boundary and sample plot locations were professionally land surveyed by Standridge Inc. (Figures 6 and 7), and also surveyed by SWCA with a Juniper Geode Global Navigation Satellite System receiver paired with a Samsung computer tablet using Collector for ArcGIS software. Horizontal map accuracy is better than 1 m.

H. ADDITIONAL INFORMATION

OAR141-090-0035 (9), (10)(a-b), (12)(h)(A-J)

The site is outside any 100-year flood zone (Federal Emergency Management Agency 2022). The nearby Willow Creek is mapped as Essential Salmonid Fish Habitat (DSL 2022).

I. RESULTS AND CONCLUSIONS

OAR141-090-0035 (12)(i)

The delineated wetland is a 0.42-acre PFO/PEM, and classified as depressional. The centroid latitude and longitude of the wetland are 45.512182 and -122.864964.

The delineated wetland is likely to be determined to be jurisdictional by DSL, but not likely to be determined to be jurisdictional by USACE, because it is isolated and no nexus to navigable waters is present. Jurisdictional determination is the responsibility of the regulatory agencies.

J. REQUIRED DISCLAIMER

OAR141-009-0035 (12)(j)

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

K. LIST OF PREPARERS



C. Mirth Walker, PWS Emerita (as of August 5, 2020) Senior Wetland Scientist cmwalker@swca.com

L. LITERATURE CITED AND REVIEWED

- Adamus, P.R. 2001. *Guidebook for Hydrogeomorphic (HGM)-based Assessment of Oregon Wetland and Riparian Sites: Statewide Classification and Profiles*. Salem: Oregon Department of State Lands. Available at: https://www.oregon.gov/dsl/WW/Documents/hydro_guide_class.pdf. Accessed September 6, 2022.
- Cowardin, L.M., V. Carter, F.C. Golet, and E.T. LaRoe. 1979. *Classification of Wetlands and Deepwater Habitats of the United States*. FWS/OBS-79/31. Washington, D.C.: U.S. Fish and Wildlife Service. Available at: http://www.fws.gov/wetlands/Documents/Classification-of-Wetlands-and-Deepwater-Habitats-of-the-United-States.pdf. Accessed June 24, 2022.
- Environmental Laboratory. 1987. Corps of Engineers Wetlands Delineation Manual. Technical Report Y-87-1. Online edition. Vicksburg, Mississippi: U.S. Army Engineer Waterways Experiment Station. Available at: https://usace.contentdm.oclc.org/digital/collection/p266001coll1/id/4530. Accessed June 24, 2022.
- Federal Emergency Management Agency. 2022. Flood map service center. Flood Insurance Rate Map Number 41067C0363F. Effective October 19, 2018. Available at: https://msc.fema.gov/portal/home. Accessed September 6, 2022.
- Google Earth. 2022. Aerial photographs of 17980 SW Baseline Road, Beaverton, Oregon. Available at: http://earth.google.com. Accessed September 6, 2022.
- National Oceanic and Atmospheric Administration (NOAA). 2022. AgACIS Regional Climate Center website. Available at: http://agacis.rcc-acis.org/. Accessed September 6, 2022.
- Natural Resources Conservation Service. 2022a. Web soil survey. Available at: http://websoilsurvey.nrcs.usda.gov/app/. Accessed June 24, 2022.
- 2022b. Hydric Soils List: Washington County Area, Oregon. Natural Resources Conservation Service. Available at: https://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcseprd1316620.html. Accessed June 24, 2022.
- Oregon Department of State Lands (DSL). 2013. Administrative Rules for Wetland Delineation Report Requirements. Effective January 1, 2013. Salem, Oregon: Oregon Department of State Lands. Available at: https://secure.sos.state.or.us/oard/displayDivisionRules.action?selectedDivision=355. Accessed June 24, 2022.
 - . 2022. Essential Salmonid Habitat. Oregon Department of State Lands Habitat Web Map. Available at: https://www.oregon.gov/dsl/WW/Pages/ESH-permits.aspx. Accessed September 6, 2022.
- Oregon Map. 2022. Washington County. Available at: https://ormap.net/gis/index.html. Accessed June 24, 2022.
- Shapiro and Associates, Inc. 2000. *City of Beaverton Local Wetland Inventory and Riparian Assessment*. Prepared for the City of Beaverton, Oregon. Portland, Oregon: Shapiro and Associates, Inc. Available at: https://www.oregon.gov/dsl/WW/Pages/Inventories.aspx. Accessed September 6, 2022.

- U.S. Army Corps of Engineers (USACE). 2010. Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Western Mountain, Valleys, and Coast Region (Version 2.0), edited by J.S. Wakeley, R.W. Lichvar, and C.V. Noble. ERDC/EL TR-10-3. Vicksburg, Mississippi: U.S. Army Corps of Engineers Engineer Research and Development Center.
 - ———. 2020. National Wetland Plant List. Version 3.5. Hanover, New Hampshire: U.S. Army Corps of Engineers Engineer Research and Development Center, Cold Regions Research and Engineering Laboratory. Available at: http://wetland-plants.usace.army.mil/. Accessed November 2, 2021.
- U.S. Geological Survey. 2022. Linnton, Oregon. 7.5-minute topographic quadrangle. 1:24,000. Available at: https://www.usgs.gov/core-science-systems/ngp/tnm-delivery/topographic-maps. Accessed June 24, 2022.

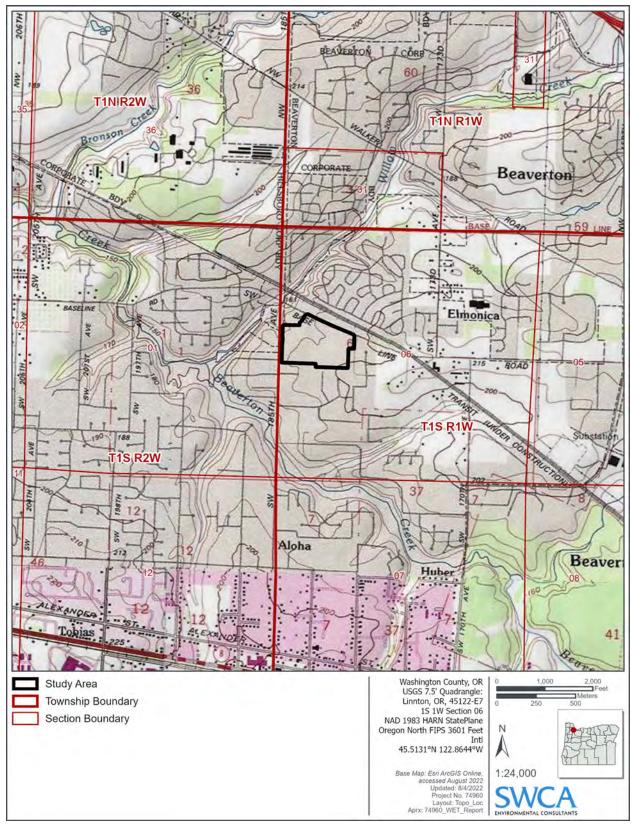


Figure 1. Site location map.



Figure 2. Tax lot map (aerial base).

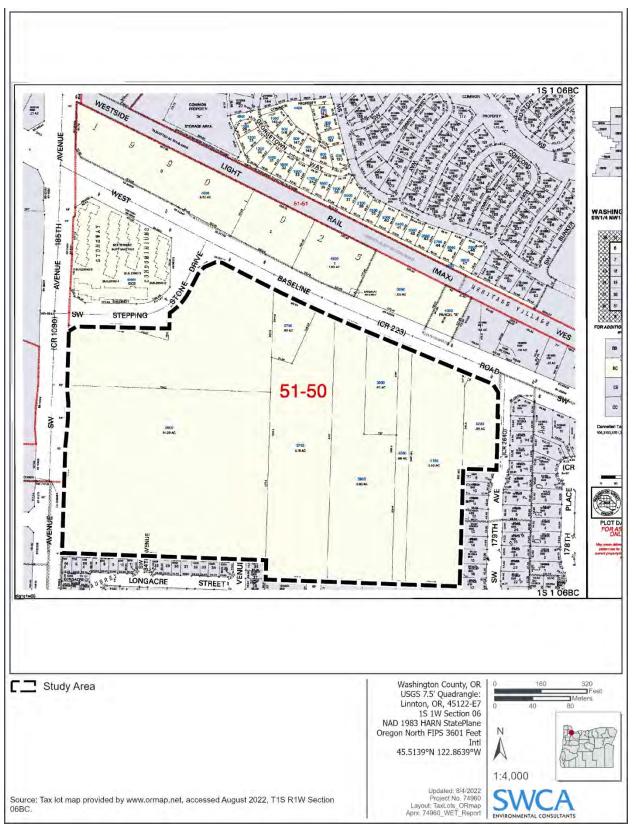


Figure 3. Tax lot map (paper base).



Figure 4. Soils map.

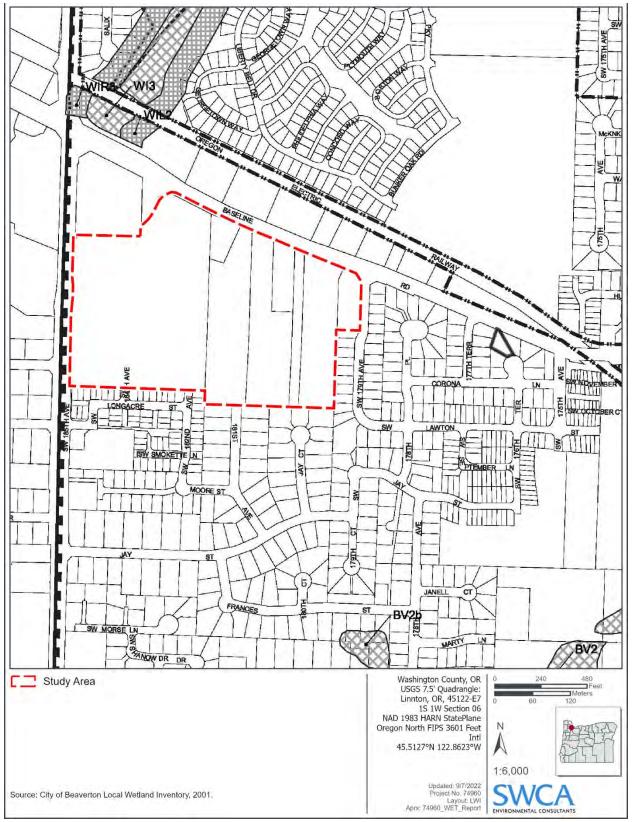


Figure 5. Local Wetlands Inventory map.



Figure 6. Wetland delineation map.

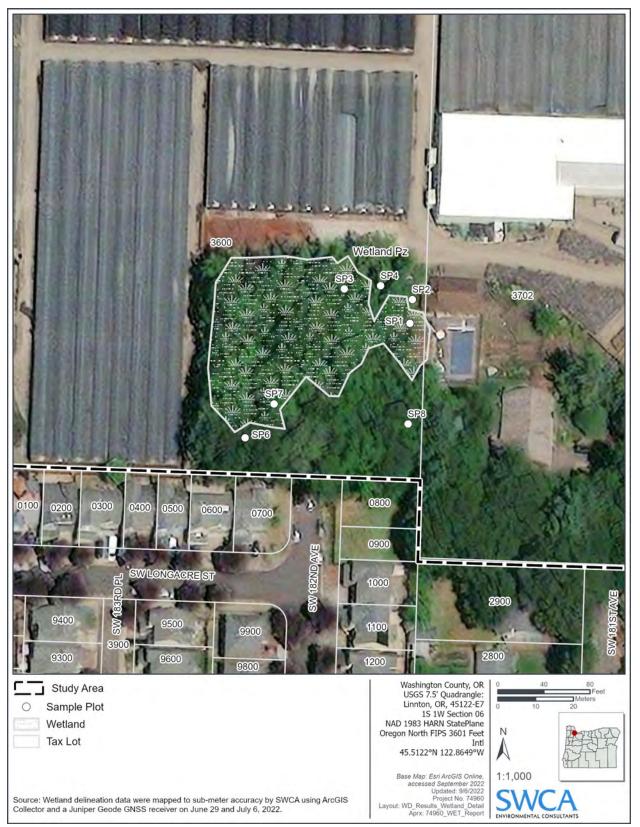
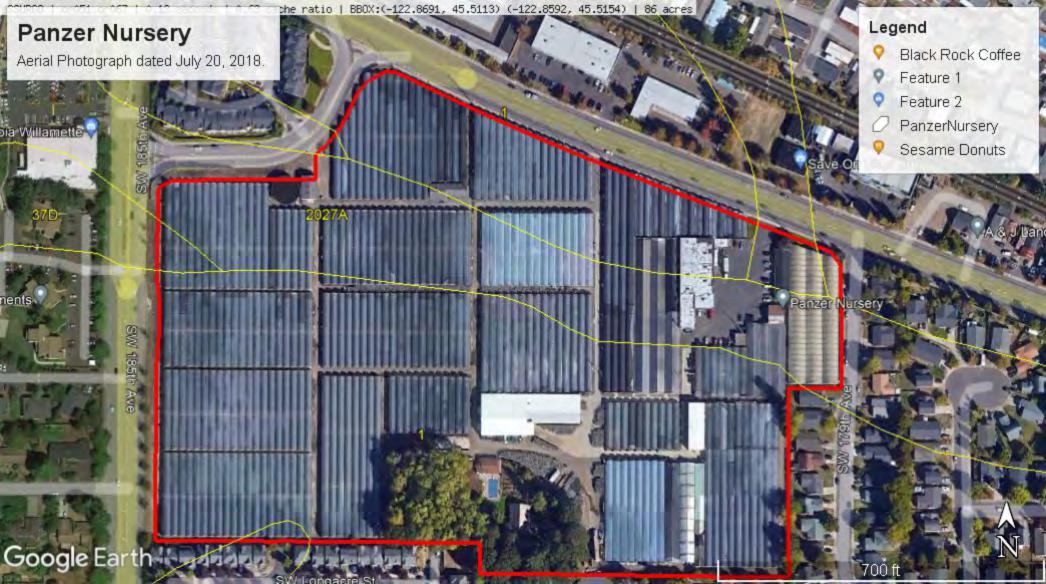


Figure 7. Wetland delineation map detail.

Appendix A

Aerial Photographs









Appendix B

Precipitation Data

	•		ceding 3-Mon TV, Oregon	th Period (An	tecedent Ra	ainfall)				Period -2020
			GW-TV, Oreg	on					Since Oct. 1st	Since Jan. 1st
		WETS Rain	fall Percentile	Measured	Condition	Condition Value	Month	Multiply	Departure	Departure
	Prior Month	30th	70th	Rainfall	Dry, Wet,	(1=dry, 2=normal,	Weight	previous	from Normal*	from Normal
Most	Recent First	inch	nes	inches	Normal	3=wet)		2 columns	4.81	1.08
1st	May	1.41	3.07	4.69	Wet	3	3	9	WYTD*	CYTD*
2nd	April	2.69	4.22	6.22	Wet	3	2	6	46.27	24.65
3rd	March	3.66	5.67	4.42	Normal	2	1	2	Normal	Normal
				15.33					41.46	23.57
					Normals				*As of Date:	6/29/2022
	Jan-22	4.57	7.25	6.25	6.36					
	Feb-22	2.95	5.72	2.86	4.74					
	Mar-22	3.66	5.67	4.42	4.83					
	Apr-22	2.69	4.22	6.22	3.63					
	May-22	1.41	3.07	4.69	2.58					
	Jun-22	0.85	1.81		1.49					
	Jul-22	0.23	0.48		0.43					
	Aug-22	0.16	0.59		0.54					
	Sep-22	0.69	1.94		1.58					
	Oct-21	2.39	4.74	4.39	3.96					
	Nov-21	4.47	7.79	8.12	6.58					
	Dec-21	5.4	8.81	9.11	7.35					
	Totals:	38.44	48.63	46.06	44.07		Sum	17		
ainfal	of prior peri	od was: drie	r than normal	(sum is 6-9), n	ormal (sum	is 10-14), wetter th	an normal	Wetter		
sum is	15-18)							than		
	-							Normal		

WETS Table (based on climate period 1991-2020) and Measured Rainfall source: *Normals* are calculated based on climate period 1991-2020.

http://agacis.rcc-acis.org/

	<u> </u>	I for the Pree rtland KGW-		th Period (An	tecedent Ra	ainfall)				Period -2020
			GW-TV, Oreg	on					Since Oct. 1st	Since Jan. 1st
			fall Percentile	Measured	Condition	Condition Value	Month	Multiply	Departure	Departure
	Prior Month	30th	70th	Rainfall	Dry, Wet,	(1=dry, 2=normal,	Weight	previous	from Normal*	from Normal
Most	Recent First	incł	nes	inches	Normal	3=wet)	°,	2 columns	7.74	4.01
1st	June	0.85	1.81	3.29	Wet	3	3	9	WYTD*	CYTD*
2nd	May	1.41	3.07	4.69	Wet	3	2	6	49.37	27.75
3rd	April	2.69	4.22	6.22	Wet	3	1	3	Normal	Normal
				14.20					41.63	23.74
					Normals				*As of Date:	7/6/2022
	Jan-22	4.57	7.25	6.25	6.36					
	Feb-22	2.95	5.72	2.86	4.74					
	Mar-22	3.66	5.67	4.42	4.83					
	Apr-22	2.69	4.22	6.22	3.63					
	May-22	1.41	3.07	4.69	2.58					
	Jun-22	0.85	1.81	3.29	1.49					
	Jul-22	0.23	0.48		0.43					
	Aug-22	0.16	0.59		0.54					
	Sep-22	0.69	1.94		1.58					
	Oct-21	2.39	4.74	4.39	3.96					
	Nov-21	4.47	7.79	8.12	6.58					
	Dec-21	5.4	8.81							
	Dec-21	5.4	0.01	9.11	7.35					
	Totals:	38.44	48.63	49.35	44.07		Sum	18		
Rainfall of prior period was: drier than normal (sum is 6-9), normal (sum is 10-14), wetter than normal (sum is 15-18)										
								Normal		

WETS Table (based on climate period 1991-2020) and Measured Rainfall source: *Normals* are calculated based on climate period 1991-2020.

http://agacis.rcc-acis.org/

WETS Station: PORTLAND KGW-TV, OR

Requested years: 1991 - 2020

Month	Avg Max Temp	Avg Min Temp	Avg Mean Temp	Avg Precip			Avg number	Avg
					precip less	precip more	days precip	Snowfall
					than	than	0.10 or more	
Jan	46.9	37.3	42.1	6.36	4.57	7.25	13	1.3
Feb	50.5	38.8	44.7	4.74	2.95	5.72	10	1.4
Mar	55.8	40.9	48.4	4.83	3.66	5.67	12	0
Apr	60.7	44.2	52.5	3.63	2.69	4.22	10	0
May	68	49.4	58.7	2.58	1.41	3.07	7	0
Jun	72.9	53.3	63.1	1.49	0.85	1.81	5	0
Jul	80.3	57.9	69.1	0.43	0.23	0.48	1	0
Aug	80.6	58.6	69.6	0.54	0.16	0.59	2	0
Sep	74.9	55.1	65	1.58	0.69	1.94	4	0
Oct	62.9	47.9	55.4	3.96	2.39	4.74	8	0
Nov	52.3	41.6	47	6.58	4.47	7.79	13	0
Dec	45.9	37.3	41.6	7.35	5.4	8.81	14	0.9
Annual:					38.44	48.63		
Average	62.6	46.9	54.8	-	-			
Total		-		44.07			100	3.6

GROWING SEASON DATES

Years with missing data:	24 deg = 3	28 deg = 3	32 deg = 1
Years with no occurrence:	24 deg = 20	28 deg = 9	32 deg = 0
Data years used:	24 deg = 27	28 deg = 27	32 deg = 29
Probability	24 F or higher	28 F or higher	32 F or higher
50 percent *	No occurrence	1/12 to 12/29: 351 days	2/20 to 11/28: 281 days
70 percent *	No occurrence	No occurrence	2/11 to 12/8: 300 days
* Devecut change of the			

* Percent chance of the

growing season occurring

between the Beginning

and Ending dates.

Climatological Data for PORTLAND KGW-TV, OR - July 2022

Date	Max Temperature	Min Temperature	Avg Temperature	GDD Base 40	GDD Base 50	Precipitation	Snowfall	Snow Depth
2022-07-01	79	54	66.5	27	17	0.00	0.0	0
2022-07-02	71	57	64.0	24	14	0.00	0.0	0
2022-07-03	70	53	61.5	22	12	0.00	0.0	0
2022-07-04	76	53	64.5	25	15	0.00	0.0	0
2022-07-05	75	59	67.0	27	17	0.02	0.0	0
2022-07-06	73	61	67.0	27	17	0.21	0.0	0
2022-07-07	78	59	68.5	29	19	0.03	0.0	0
2022-07-08	81	59	70.0	30	20	0.00	0.0	0
2022-07-09	79	59	69.0	29	19	0.00	0.0	0
2022-07-10	78	55	66.5	27	17	0.00	0.0	0
2022-07-11	92	62	77.0	37	27	0.00	0.0	0
2022-07-12	89	67	78.0	38	28	0.00	0.0	0
2022-07-13	78	56	67.0	27	17	0.00	0.0	0
2022-07-14	84	54	69.0	29	19	0.00	0.0	0
2022-07-15	84	56	70.0	30	20	0.00	0.0	0
2022-07-16	75	62	68.5	29	19	0.00	0.0	0
2022-07-17	71	59	65.0	25	15	0.00	0.0	0
2022-07-18	77	53	65.0	25	15	0.00	0.0	0
2022-07-19	88	60	74.0	34	24	0.00	0.0	0
2022-07-20	89	61	75.0	35	25	0.00	0.0	0
2022-07-21	85	59	72.0	32	22	0.00	0.0	0
2022-07-22	76	59	67.5	28	18	0.00	0.0	0
2022-07-23	74	57	65.5	26	16	0.00	0.0	0
2022-07-24	88	59	73.5	34	24	0.00	0.0	0
2022-07-25	96	68	82.0	42	32	0.00	0.0	0
2022-07-26	101	67	84.0	44	34	0.00	0.0	0
2022-07-27	94	64	79.0	39	29	0.00	0.0	0
2022-07-28	94	65	79.5	40	30	0.00	0.0	0
2022-07-29	96	69	82.5	43	33	0.00	0.0	0
2022-07-30	100	68	84.0	44	34	0.00	0.0	0
2022-07-31	96	67	81.5	42	32	0.00	0.0	0
Average Sum	83.5	60.0	71.7	990	680	0.26	0.0	0.0

Climatological Data for PORTLAND KGW-TV, OR - June 2022

Date	Max Temperature	Min Temperature	Avg Temperature	GDD Base 40	GDD Base 50	Precipitation	Snowfall	Snow Depth
2022-06-01	77	58	67.5	28	18	0.00	0.0	0
2022-06-02	80	55	67.5	28	18	Т	0.0	0
2022-06-03	67	55	61.0	21	11	0.10	0.0	0
2022-06-04	62	54	58.0	18	8	0.28	0.0	0
2022-06-05	68	55	61.5	22	12	0.25	0.0	0
2022-06-06	65	52	58.5	19	9	0.11	0.0	0
2022-06-07	75	48	61.5	22	12	0.00	0.0	0
2022-06-08	75	58	66.5	27	17	0.00	0.0	0
2022-06-09	71	57	64.0	24	14	0.20	0.0	0
2022-06-10	66	56	61.0	21	11	1.27	0.0	0
2022-06-11	66	56	61.0	21	11	0.35	0.0	0
2022-06-12	60	52	56.0	16	6	0.11	0.0	0
2022-06-13	59	48	53.5	14	4	0.00	0.0	0
2022-06-14	64	49	56.5	17	7	0.04	0.0	0
2022-06-15	69	50	59.5	20	10	Т	0.0	0
2022-06-16	70	55	62.5	23	13	0.00	0.0	0
2022-06-17	58	53	55.5	16	6	0.17	0.0	0
2022-06-18	62	51	56.5	17	7	0.21	0.0	0
2022-06-19	64	51	57.5	18	8	0.20	0.0	0
2022-06-20	69	54	61.5	22	12	0.00	0.0	0
2022-06-21	81	55	68.0	28	18	0.00	0.0	0
2022-06-22	76	57	66.5	27	17	0.00	0.0	0
2022-06-23	75	49	62.0	22	12	0.00	0.0	0
2022-06-24	82	53	67.5	28	18	0.00	0.0	0
2022-06-25	92	61	76.5	37	27	0.00	0.0	0
2022-06-26	99	63	81.0	41	31	0.00	0.0	0
2022-06-27	91	65	78.0	38	28	0.00	0.0	0
2022-06-28	76	55	65.5	26	16	0.00	0.0	0
2022-06-29	75	57	66.0	26	16	0.00	0.0	0
2022-06-30	79	54	66.5	27	17	0.00	0.0	0
Average Sum	72.4	54.5	63.5	714	414	3.29	0.0	0.0

Climatological Data for PORTLAND KGW-TV, OR - May 2022

Date	Max Temperature	Min Temperature	Avg Temperature	GDD Base 40	GDD Base 50	Precipitation	Snowfall	Snow Depth
2022-05-01	65	48	56.5	17	7	0.00	0.0	0
2022-05-02	57	45	51.0	11	1	0.33	0.0	0
2022-05-03	60	46	53.0	13	3	0.00	0.0	0
2022-05-04	74	45	59.5	20	10	0.00	0.0	0
2022-05-05	60	45	52.5	13	3	0.44	0.0	0
2022-05-06	58	47	52.5	13	3	0.80	0.0	0
2022-05-07	55	45	50.0	10	0	0.34	0.0	0
2022-05-08	49	41	45.0	5	0	0.19	0.0	0
2022-05-09	53	39	46.0	6	0	0.01	0.0	0
2022-05-10	60	41	50.5	11	1	0.01	0.0	0
2022-05-11	60	41	50.5	11	1	0.00	0.0	0
2022-05-12	53	42	47.5	8	0	0.29	0.0	0
2022-05-13	56	37	46.5	7	0	0.24	0.0	0
2022-05-14	69	48	58.5	19	9	0.48	0.0	0
2022-05-15	67	55	61.0	21	11	0.22	0.0	0
2022-05-16	63	53	58.0	18	8	0.00	0.0	0
2022-05-17	65	45	55.0	15	5	0.00	0.0	0
2022-05-18	61	46	53.5	14	4	0.18	0.0	0
2022-05-19	56	44	50.0	10	0	0.10	0.0	0
2022-05-20	60	42	51.0	11	1	0.00	0.0	0
2022-05-21	71	44	57.5	18	8	0.00	0.0	0
2022-05-22	75	48	61.5	22	12	0.00	0.0	0
2022-05-23	70	54	62.0	22	12	0.00	0.0	0
2022-05-24	68	47	57.5	18	8	Т	0.0	0
2022-05-25	73	53	63.0	23	13	0.06	0.0	0
2022-05-26	73	56	64.5	25	15	0.20	0.0	0
2022-05-27	61	52	56.5	17	7	0.22	0.0	0
2022-05-28	60	50	55.0	15	5	0.31	0.0	0
2022-05-29	59	49	54.0	14	4	0.24	0.0	0
2022-05-30	64	47	55.5	16	6	0.03	0.0	0
2022-05-31	78	50	64.0	24	14	0.00	0.0	0
Average Sum	63.0	46.6	54.8	467	171	4.69	0.0	0.0

Climatological Data for PORTLAND KGW-TV, OR - April 2022

Date	Max Temperature	Min Temperature	Avg Temperature	GDD Base 40	GDD Base 50	Precipitation	Snowfall	Snow Depth
2022-04-01	60	39	49.5	10	0	0.02	0.0	0
2022-04-02	58	43	50.5	11	1	0.00	0.0	0
2022-04-03	55	43	49.0	9	0	0.01	0.0	0
2022-04-04	54	41	47.5	8	0	0.84	0.0	0
2022-04-05	54	39	46.5	7	0	0.01	0.0	0
2022-04-06	64	36	50.0	10	0	0.00	0.0	0
2022-04-07	76	50	63.0	23	13	0.00	0.0	0
2022-04-08	62	46	54.0	14	4	0.08	0.0	0
2022-04-09	52	40	46.0	6	0	0.01	0.0	0
2022-04-10	42	35	38.5	0	0	0.48	0.0	0
2022-04-11	47	31	39.0	0	0	1.33	2.0	0
2022-04-12	45	36	40.5	1	0	0.59	Т	0
2022-04-13	49	35	42.0	2	0	0.25	Т	0
2022-04-14	48	33	40.5	1	0	0.31	0.0	0
2022-04-15	53	32	42.5	3	0	0.00	0.0	0
2022-04-16	52	39	45.5	6	0	0.03	0.0	0
2022-04-17	57	36	46.5	7	0	0.00	0.0	0
2022-04-18	53	42	47.5	8	0	0.49	0.0	0
2022-04-19	48	41	44.5	5	0	0.34	0.0	0
2022-04-20	53	39	46.0	6	0	0.13	0.0	0
2022-04-21	56	45	50.5	11	1	0.17	0.0	0
2022-04-22	60	40	50.0	10	0	0.01	0.0	0
2022-04-23	65	42	53.5	14	4	0.00	0.0	0
2022-04-24	69	41	55.0	15	5	0.00	0.0	0
2022-04-25	58	49	53.5	14	4	0.06	0.0	0
2022-04-26	55	43	49.0	9	0	0.12	0.0	0
2022-04-27	55	43	49.0	9	0	0.01	0.0	0
2022-04-28	54	44	49.0	9	0	0.05	0.0	0
2022-04-29	60	45	52.5	13	3	0.27	0.0	0
2022-04-30	59	48	53.5	14	4	0.61	0.0	0
Average Sum	55.8	40.5	48.2	255	39	6.22	2.0	0.0

Climatological Data for PORTLAND KGW-TV, OR - March 2022

Date	Max Temperature	Min Temperature	Avg Temperature	GDD Base 40	GDD Base 50	Precipitation	Snowfall	Snow Depth
2022-03-01	57	50	53.5	14	4	0.70	0.0	0
2022-03-02	52	48	50.0	10	0	0.95	0.0	0
2022-03-03	50	39	44.5	5	0	0.37	0.0	0
2022-03-04	51	39	45.0	5	0	0.00	0.0	0
2022-03-05	54	37	45.5	6	0	0.00	0.0	0
2022-03-06	51	38	44.5	5	0	0.00	0.0	0
2022-03-07	50	36	43.0	3	0	0.00	0.0	0
2022-03-08	47	39	43.0	3	0	0.12	0.0	0
2022-03-09	50	36	43.0	3	0	0.04	0.0	0
2022-03-10	50	30	40.0	0	0	0.00	0.0	0
2022-03-11	61	35	48.0	8	0	0.00	0.0	0
2022-03-12	60	35	47.5	8	0	0.20	0.0	0
2022-03-13	51	42	46.5	7	0	0.39	0.0	0
2022-03-14	55	45	50.0	10	0	0.18	0.0	0
2022-03-15	55	45	50.0	10	0	0.18	0.0	0
2022-03-16	57	42	49.5	10	0	0.00	0.0	0
2022-03-17	50	39	44.5	5	0	0.02	0.0	0
2022-03-18	56	47	51.5	12	2	0.03	0.0	0
2022-03-19	52	41	46.5	7	0	0.21	0.0	0
2022-03-20	49	39	44.0	4	0	0.06	0.0	0
2022-03-21	50	42	46.0	6	0	0.66	0.0	0
2022-03-22	65	50	57.5	18	8	0.11	0.0	0
2022-03-23	59	46	52.5	13	3	0.12	0.0	0
2022-03-24	66	38	52.0	12	2	0.00	0.0	0
2022-03-25	62	46	54.0	14	4	0.00	0.0	0
2022-03-26	63	43	53.0	13	3	0.05	0.0	0
2022-03-27	69	50	59.5	20	10	0.00	0.0	0
2022-03-28	60	51	55.5	16	6	0.00	0.0	0
2022-03-29	58	47	52.5	13	3	0.00	0.0	0
2022-03-30	56	45	50.5	11	1	0.01	0.0	0
2022-03-31	54	42	48.0	8	0	0.02	0.0	0
Average Sum	55.5	42.0	48.7	279	46	4.42	0.0	0.0

Appendix C

Wetland Determination Data Forms

Project/Site: P	anzer Nursery (17980 SW I	Baseline Roa	d)	City/County:	Beaverton	-	Sampling Da	te: 6/29/202	2
Applicant/Owner:	Stanton Street Building Co	ompany LLC				State: OR	Samplin	g Point:	SP1
Investigator(s):	Chris Moller, C. Mirth Wal	ker		Section,	Township, Rang	e: 06BC, 1S, 1W			
Landform (hillslope	, terrace, etc.): Terrace				Local relief	(concave, convex, none):	Concave	Slope (%):	1
Subregion (LRR):	A, Northwest Forests and	Coasts	Lat	: 45.512233	 Lon	g: -122.864578	Datu	m: NAD 198	
Soil Map Unit Nam	ne: Aloha Silt Loan	n (Unit 1)			_	NWI	classification: I	None	
Are climatic / hydro	ologic conditions on the site		s time of yea	ar?	Ye	s X No	(If no, ex	plain in Rem	arks)
Are Vegetation	,Soil	, or Hydro	ology	significantly	disturbed? A	re "Normal Circumstan	ces" present?	Yes X	No
Are Vegetation	,Soil	, or Hydro	ology	naturally pro	blematic? (lf needed, explain any a	inswers in Rem	narks.)	
SUMMARY O	F FINDINGS – Attac	h site map	showing	sampling	point locati	ons, transects, in	portant fea	atures, et	с.
Hydrophytic Vege	etation Present?	Yes	X No						
Hydric Soil Prese	nt?	Yes	X No)	Is the Samp	led Area			
Wetland Hydrolog	gy Present?	Yes	X No		within a Wet	land? Yes	X No		
Precipitation prior Remarks:									
VEGETATION	l					1			
Tree Stratum	(Plot size: 20' r)		solute	Dominant	Indicator	Dominance Test wo			
	(Plot size: <u>30' r</u>)	<u>% (</u>	Cover	Species?	<u>Status</u>	Number of Dominant	i Species		
1.						That Are OBL, FACV	V, or FAC:	1	(A)
2.									
3.						Total Number of Dor	ninant		
4.						Species Across All S	trata:	1	(B)
			<u>)%</u> = Tot	tal Cover					
Sapling/Shrub Stra	atum (Plot size: <u>10</u>	<u>' r</u>)				Percent of Dominant	Species		
1.						That Are OBL, FACV	V, or FAC:	<u>100%</u>	(A/B)
2.						Prevalence Index w			
3.						Total % Cover of	of: Multiply b	oy:	
4.						OBL species	0 x 1 =	0	
5.						FACW species	90 x 2 =	180	
		(0% = Tot	tal Cover		FAC species	5 x 3 =	15	
Herb Stratum	(Plot size: <u>5' r</u>)					FACU species	5 x 4 =	20	
1. Juncus bufon	ius	7	0%	Yes	FACW	UPL species	0 x 5 =	0	
2. Camassia leid	chtlinii	1	0%	No	FACW	Column Totals: 1	00 (A)	215	(B)
3. Juncus paten	S		5%	No	FACW	Prevalence Inde	x = B/A =	2.15	
4. Juncus tenuis			5%	No	FAC	Hydrophytic Vegeta	ation Indicato	rs:	
5. Epilobium cilia			5%	No	FACW	1 - Rapid Test fo	or Hydrophytic '	Vegetation	
6. Hypericum pe			5%	No	FACU	X 2 - Dominance T	est is >50%		
7.						X 3 - Prevalence Ir	ndex is ≤3.0 ¹		
8.						4 - Morphologica		(Provide sur	porting
9.						· · ·	irks or on a sep	•	
10.						5 - Wetland Non			
11.						Problematic Hyd			un)
				tal Cover	·	¹ Indicators of hydric		· ·	
Woody Vine Stratu	um (Plot size: <u>10</u>		<u> </u>			be present.			nuot
1.									
2						Hydrophytic			
		(0% = Tot	tal Cover		Vegetation	Yes X	No	-
% Bare Ground in	Herb Stratum 0%	6				Present?			
Remarks:						Entere	ed by: KS	QC by: cmw	V

Depth	Matrix				Redox F			-	
(inches) Color	(moist)	%	Color (mois	st)	%	Type ¹	Loc ²	Texture	Remark
0-8 10Y	R 2/2	100						SiL	
8-12 10Y	R 3/2	90	10YR 3/	6	10	C	М	SiL	
12-23 10Y	R 4/1	80	10YR 4/	6	20	С	М	SiL	
			·		<u> </u>				
ype: C=Concentration,	D=Depletio	n, RM=Redu	uced Matrix CS=	Covered	d or Coated S	Sand Grains.	² Location: PL:	=Pore Lining, M=Matrix	κ.
ydric Soil Indicators: (A	•							or Problematic Hydri	
Histosol (A1)			Sandy Red				2 cm Mi	uck (A10)	
Histic Epipedon (A2)			Stripped M		5)			ent Material (TF2)	
Black Histic (A3)					,	ept MLRA 1)		allow Dark Surface (TF	-12)
Hydrogen Sulfide (A4)		Loamy Gle			·····		Explain in Remarks)	
X Depleted Below Dark		11)	Depleted N	-					
Thick Dark Surface (A		•••		•			³ Indicators o	f hydrophytic vegetatio	on and
Sandy Mucky Mineral			X Redox Darl					drology must be prese	
			Redox Dep		()				HIL,
Sandy Gleyed Matrix	(34)			0162210112	5 (ГО)		uniess dis	turbed or problematic.	
			loam or loamy; c	- co = coar	rse; f = fine; \		ydric Soil Pre = heavy (more	sent? Yes X clay); - = light (less cla	No ay)
Depth (inches): Remarks: S = sand Probed 2" below auger pit	at 21" equa		loam or loamy; c	- co = coar	rse; f = fine; v				
Depth (inches): Remarks: S = sand Probed 2" below auger pit HYDROLOGY Vetland Hydrology Indic	at 21" equa	als 23"			rse; f = fine; \		= heavy (more		ay)
Depth (inches): temarks: S = sand trobed 2" below auger pit IYDROLOGY Vetland Hydrology Indic	at 21" equa	als 23"	eck all that apply)	rse; f = fine; v ves (B9) (ex o	vf = very fine; + :	= heavy (more	clay); - = light (less cla	ay)
Depth (inches): Remarks: S = sand Probed 2" below auger pit HYDROLOGY Vetland Hydrology Indic Primary Indicators (minimum)	at 21" equa	als 23"	eck all that apply) ned Leav	ves (B9) (exc	vf = very fine; + :	= heavy (more Secondary I	clay); - = light (less cla ndicators (2 or more re	ay)
Depth (inches): Remarks: S = sand Probed 2" below auger pit HYDROLOGY Vetland Hydrology Indic Primary Indicators (minimu- Surface Water (A1)	at 21" equa	als 23"	eck all that apply Water-Stain 1, 2, 4A,) ned Leav and 4B)	ves (B9) (exc	vf = very fine; + :	= heavy (more <u>Secondary I</u> Water-S 4A, a	clay); - = light (less cla ndicators (2 or more re itained Leaves (B9) (M nd 4B)	ay)
Depth (inches): Remarks: S = sand Probed 2" below auger pit HYDROLOGY Vetland Hydrology Indic Primary Indicators (minimu Surface Water (A1) High Water Table (A2	at 21" equa	als 23"	eck all that apply Water-Stain) ned Leav and 4B) (B11)	ves (B9) (exc	vf = very fine; + :	= heavy (more <u>Secondary I</u> Water-S Drainag	clay); - = light (less cla ndicators (2 or more re itained Leaves (B9) (M	ay)
Depth (inches): Remarks: S = sand Probed 2" below auger pit HYDROLOGY Vetland Hydrology Indic Primary Indicators (minimum Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1)	at 21" equa eators: um of one r	als 23"	Water-Stain Water-Stain 1, 2, 4A, Salt Crust (Aquatic Inv) ned Leav and 4B (B11) rertebrate	ves (B9) (exc) es (B13)	vf = very fine; + :	= heavy (more Secondary I Water-S 4A, a Drainag	clay); - = light (less cla ndicators (2 or more re stained Leaves (B9) (M nd 4B) e Patterns (B10) son Water Table (C2)	ay) equired) ILRA 1, 2,
Depth (inches): Remarks: S = sand Probed 2" below auger pit HYDROLOGY Vetland Hydrology Indic Primary Indicators (minimu Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B	at 21" equa eators: um of one r	als 23"	eck all that apply Water-Stain 1, 2, 4A, Salt Crust (Aquatic Inv Hydrogen S) and Leav and 4B; (B11) rertebrate Sulfide O	ves (B9) (exc) es (B13) Ddor (C1)	vf = very fine; + =	= heavy (more <u>Secondary I</u> Water-S 4A, a Drainag Dry-Sea Saturatio	clay); - = light (less cla ndicators (2 or more re itained Leaves (B9) (M nd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Ima	ay) equired) ILRA 1, 2,
Depth (inches): Remarks: S = sand Probed 2" below auger pit HYDROLOGY Vetland Hydrology Indic Primary Indicators (minimu Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3)	at 21" equa ators: um of one r	als 23"	CK all that apply Water-Stain 1, 2, 4A, Salt Crust (Aquatic Inv Hydrogen S X Oxidized R) and Leav and 4B (B11) ertebrate Sulfide O hizosphe	ves (B9) (exc) es (B13) Ddor (C1) eres along Li	vf = very fine; + = cept MLRA	= heavy (more <u>Secondary I</u> Water-S 4A , a Drainag Dry-Sea Saturatio X Geomor	clay); - = light (less cla ndicators (2 or more re itained Leaves (B9) (M nd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Ima phic Position (D2)	ay) equired) ILRA 1, 2,
Depth (inches): Remarks: S = sand Probed 2" below auger pit HYDROLOGY Vetland Hydrology Indic Primary Indicators (minimu Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B Drift Deposits (B3) Algal Mat or Crust (B4	at 21" equa ators: um of one r	als 23"	eck all that apply Water-Stain 1, 2, 4A, Salt Crust (Aquatic Inv Hydrogen S X Oxidized R Presence c) and Leav and 4B (B11) rertebrate Sulfide O hizosphe	ves (B9) (exc) es (B13) Ddor (C1) eres along Lir ced Iron (C4)	vf = very fine; + = cept MLRA	= heavy (more <u>Secondary I</u> Water-S 4A, a Drainag Dry-Sea Saturatio X Geomor Shallow	clay); - = light (less cla ndicators (2 or more re itained Leaves (B9) (M nd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Ima phic Position (D2) Aquitard (D3)	ay) equired) ILRA 1, 2,
Depth (inches): Remarks: S = sand Probed 2" below auger pit HYDROLOGY Vetland Hydrology Indic Primary Indicators (minimu 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)	at 21" equa ators: um of one r 2) 4)	als 23"	Water-Stain Uwater-Stain 1, 2, 4A, Salt Crust (Aquatic Inv Hydrogen S X Oxidized R Presence co Recent Iror) and 4B; (B11) rertebrate Sulfide O hizosphe of Reduct	ves (B9) (exc) Odor (C1) eres along Lir red Iron (C4) tion in Tilled 3	vf = very fine; + = cept MLRA ving Roots (C3) Soils (C6)	= heavy (more <u>Secondary I</u> Water-S 4A, a Drainag Dry-Sea Saturation X Geomor Shallow X FAC-Ne	clay); - = light (less cla ndicators (2 or more re itained Leaves (B9) (M nd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Ima phic Position (D2) Aquitard (D3) utral Test (D5)	ay) equired) ILRA 1, 2, agery (C9)
Depth (inches): Remarks: S = sand Probed 2" below auger pit TYDROLOGY Vetland Hydrology Indic Primary Indicators (minimu 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	at 21" equa ators: <u>um of one r</u> () (2) (32) (4) (5) (5) (5) (6) (6) (6) (6) (6) (6) (6) (6	equired; che	eck all that apply Water-Stain 1, 2, 4A, Salt Crust (Aquatic Inv Hydrogen S X Oxidized R Presence c Recent Iror Stunted or) and 4B, (B11) ertebrate Sulfide O hizosphe of Reduct n Reduct Stressec	ves (B9) (exc) Odor (C1) eres along Li ed Iron (C4) tion in Tilled 3 d Plants (D1)	vf = very fine; + = cept MLRA ving Roots (C3) Soils (C6)	= heavy (more <u>Secondary I</u> Water-S 4A , al Drainag Dry-Sea Saturatio X Geomor Shallow X FAC-Ne Raised /	clay); - = light (less cla ndicators (2 or more re itained Leaves (B9) (M nd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Ima phic Position (D2) Aquitard (D3) utral Test (D5) Ant Mounds (D6) (LRR	ay) equired) ILRA 1, 2, agery (C9)
Depth (inches): Remarks: S = sand Probed 2" below auger pit HYDROLOGY Vetland Hydrology Indic Primary Indicators (minimu 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	at 21" equa ators: um of one r 2) 2) 4) B6) Aerial Imag	equired; che	Water-Stain Uwater-Stain 1, 2, 4A, Salt Crust (Aquatic Inv Hydrogen S X Oxidized R Presence co Recent Iror) and 4B, (B11) ertebrate Sulfide O hizosphe of Reduct n Reduct Stressec	ves (B9) (exc) Odor (C1) eres along Li ed Iron (C4) tion in Tilled 3 d Plants (D1)	vf = very fine; + = cept MLRA ving Roots (C3) Soils (C6)	= heavy (more <u>Secondary I</u> Water-S 4A , al Drainag Dry-Sea Saturatio X Geomor Shallow X FAC-Ne Raised /	clay); - = light (less cla ndicators (2 or more re itained Leaves (B9) (M nd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Ima phic Position (D2) Aquitard (D3) utral Test (D5)	ay) equired) ILRA 1, 2, agery (C9)
Depth (inches): Remarks: S = sand Probed 2" below auger pit HYDROLOGY Vetland Hydrology Indic Primary Indicators (minimu 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	at 21" equa ators: um of one r 2) 2) 4) B6) Aerial Imag	equired; che	eck all that apply Water-Stain 1, 2, 4A, Salt Crust (Aquatic Inv Hydrogen S X Oxidized R Presence c Recent Iror Stunted or) and 4B, (B11) ertebrate Sulfide O hizosphe of Reduct n Reduct Stressec	ves (B9) (exc) Odor (C1) eres along Li ed Iron (C4) tion in Tilled 3 d Plants (D1)	vf = very fine; + = cept MLRA ving Roots (C3) Soils (C6)	= heavy (more <u>Secondary I</u> Water-S 4A , al Drainag Dry-Sea Saturatio X Geomor Shallow X FAC-Ne Raised /	clay); - = light (less cla ndicators (2 or more re itained Leaves (B9) (M nd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Ima phic Position (D2) Aquitard (D3) utral Test (D5) Ant Mounds (D6) (LRR	ay) equired) ILRA 1, 2, agery (C9)
Depth (inches): Remarks: S = sand Probed 2" below auger pit HYDROLOGY Vetland Hydrology Indic Primary Indicators (minimu- 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 Field Observations:	at 21" equa ators: um of one r um of one r 2) 2) 4) 4) 86) Aerial Imag concave Su	equired; che equired; che lery (B7) rface (B8)	eck all that apply Water-Stain 1, 2, 4A, Salt Crust (Aquatic Inv Hydrogen S X Oxidized R Presence c Recent Iror Stunted or Other (Exp) and 4B; (B11) rertebrate Sulfide O hizosphe of Reduct Stressec lain in Re	ves (B9) (exc) es (B13) Odor (C1) eres along Lir red Iron (C4) tion in Tilled 9 d Plants (D1) emarks)	vf = very fine; + = cept MLRA ving Roots (C3) Soils (C6)	= heavy (more <u>Secondary I</u> Water-S 4A , al Drainag Dry-Sea Saturatio X Geomor Shallow X FAC-Ne Raised /	clay); - = light (less cla ndicators (2 or more re itained Leaves (B9) (M nd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Ima phic Position (D2) Aquitard (D3) utral Test (D5) Ant Mounds (D6) (LRR	ay) equired) ILRA 1, 2, agery (C9)
Depth (inches): Remarks: S = sand Probed 2" below auger pit TYDROLOGY Vetland Hydrology Indic Primary Indicators (minimu 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 Field Observations: Surface Water Present?	at 21" equa ators: <u>um of one r</u> () (2) (3) (4) (2) (4) (5) (4) (5) (5) (5) (6) (6) (7) (6) (7) (7) (7) (7) (7) (7) (7) (7	equired; che equired; che ery (B7) rface (B8)	Water-Stain 1, 2, 4A, Salt Crust (Aquatic Inv Hydrogen S X Oxidized R Presence c Recent Iror Stunted or Other (Exp) and 4B, (B11) ertebrate Sulfide O hizosphe of Reduct Stressec lain in Re Lain in Re	ves (B9) (exc) es (B13) Odor (C1) eres along Li eres along Li eres along Li tion in Tilled 3 d Plants (D1) emarks)	vf = very fine; + = cept MLRA ving Roots (C3) Soils (C6)	= heavy (more <u>Secondary I</u> Water-S 4A, a Dry-Sea Dry-Sea Saturation X Geomor Shallow X FAC-Ne Raised / Frost-He	clay); - = light (less cla ndicators (2 or more re- itained Leaves (B9) (M nd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Ima phic Position (D2) Aquitard (D3) utral Test (D5) Ant Mounds (D6) (LRR eave Hummocks (D7)	ay) equired) ILRA 1, 2, agery (C9)
Depth (inches): Remarks: S = sand Probed 2" below auger pit TYDROLOGY Vetland Hydrology Indic Primary Indicators (minimu 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 Field Observations: Surface Water Present? Water Table Present?	at 21" equa ators: um of one r () (2) (2) (32) (4) (2) (4) (5) (4) (5) (5) (5) (5) (5) (5) (5) (5	equired; che equired; che lery (B7) rface (B8)	eck all that apply Water-Stain 1, 2, 4A, Salt Crust (Aquatic Inv Hydrogen S X Oxidized R Presence c Recent Iror Stunted or Other (Exp No X) ned Leav and 4B; (B11) ertebrate Sulfide O hizosphe of Reduct Stressec lain in Re Lep Dep	ves (B9) (exc) es (B13) Odor (C1) eres along Lir eres along Lir eres along Lir d Plants (D1) emarks) emarks)	vf = very fine; + = cept MLRA ving Roots (C3) Soils (C6)	= heavy (more <u>Secondary I</u> Water-S 4A, a Dry-Sea Dry-Sea Saturation X Geomor Shallow X FAC-Ne Raised / Frost-He	clay); - = light (less cla ndicators (2 or more re itained Leaves (B9) (M nd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Ima phic Position (D2) Aquitard (D3) utral Test (D5) Ant Mounds (D6) (LRR eave Hummocks (D7)	ay) equired) ILRA 1, 2, agery (C9)
Depth (inches): Remarks: S = sand Probed 2" below auger pit HYDROLOGY Wetland Hydrology Indic Primary Indicators (minimu 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 (I Inundation Visible on	at 21" equa ators: <u>um of one r</u> () (2) (3) (4) (2) (4) (5) (4) (5) (5) (5) (6) (6) (7) (7) (7) (7) (7) (7) (7) (7	equired; che equired; che ery (B7) rface (B8)	Water-Stain 1, 2, 4A, Salt Crust (Aquatic Inv Hydrogen S X Oxidized R Presence c Recent Iror Stunted or Other (Exp) ned Leav and 4B; (B11) ertebrate Sulfide O hizosphe of Reduct Stressec lain in Re Lep Dep	ves (B9) (exc) es (B13) Odor (C1) eres along Li eres along Li eres along Li tion in Tilled 3 d Plants (D1) emarks)	vf = very fine; + = cept MLRA ving Roots (C3) Soils (C6)	= heavy (more <u>Secondary I</u> Water-S 4A, a Dry-Sea Dry-Sea Saturation X Geomor Shallow X FAC-Ne Raised / Frost-He	clay); - = light (less cla ndicators (2 or more re- itained Leaves (B9) (M nd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Ima phic Position (D2) Aquitard (D3) utral Test (D5) Ant Mounds (D6) (LRR eave Hummocks (D7)	ay) equired) ILRA 1, 2, agery (C9)

AppleantOme: Status: None Status: Status: None Status: Status: None Status: None Status: None Status: None Status: None Status: None No No<	Project/Site: P	anzer Nursery (17980 SW E	Baseline Road)		City/County:	Beaverton		Sampling Da	te: 6/29/202	22
Landform ontexpe, terres, etc.: <u>Terrace</u> Local relef (concern, coms, none): <u>None</u> Stope (%), <u>1</u> Subregion (LRR): A Northwest Formats and Coastis Lat <u>45</u> 512288 Long: <u>122</u> 2.846472 UNI classification: None Acc dimate: Alcha Stitucam (Lint 1) None Testal Concern Acc Vagatation Soli	Applicant/Owner:	Stanton Street Building Co	ompany LLC				State: OR	Samplin	g Point:	SP2
Subregion (LRR): A. Northwest Forests and Coasts Lat: 45.512289 Long: -122.84572 Datum: NAD 1983 Soli Map Unit Name: Advia Stit Laum (LUR1 1) NVI destification: None NVI destification: None Are Vogetation	Investigator(s):	Chris Moller, C. Mirth Wall	ker		Section,	Township, Rang	e: 06BC, 1S, 1W			
Subregion (LRR): A. Northwest Forests and Coasts Lat: 45.512283 Long: -122.844572 Datum: NAD 1983 Soli Map Unit Name Axina Sitt Loam (Unit 1) NVI classification: None NVI classification: None New Common Chronologic conditions on the site type and t	Landform (hillslope	, terrace, etc.): Terrace				Local relief	(concave, convex, none):	None	Slope (%)	: 1
Soli Kap Univ Name Autor Sili Losm (Unit 1) Image: model of this is a significantly disturbed? No No No Atta climatic / hydrologic conditions on the site typical for this time of year? Yes X No No X (If no: explain in Ramatics) Atta climatic / hydrology _significantly disturbed? Yes X No X X Atta climatic / hydrology _ort Hydrology _not Hydrology _not Hydrology Is the Sampled Area X X X Multicast Hydrology Yes X No X </td <td>Subregion (LRR):</td> <td>A, Northwest Forests and</td> <td>Coasts</td> <td>Lat:</td> <td>45.512289</td> <td>Lon</td> <td>g: -122.864572</td> <td>Datu</td> <td></td> <td></td>	Subregion (LRR):	A, Northwest Forests and	Coasts	Lat:	45.512289	Lon	g: -122.864572	Datu		
Are climatic / hydrologic conditions on the site typical for this time of year? Yes No. No. No. Are Vegetation				-		_	NWI o	classification:	None	
Ave Vegetation	•			f year	?	Ye	es X No	(If no, ex	plain in Rer	narks)
SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes No X Is the Sampled Area within a Wetland? Yes No X Wetland Hydrology Present? Yes No X Is the Sampled Area within a Wetland? Yes No X Wetland Hydrology Present? Yes No X Is the Sampled Area within a Wetland? Yes No X Wetland Hydrology Present? Yes No X Is the Sampled Area within a Wetland? Yes No X Wetland Hydrology Present? Yes Absolute Dominant Indicator Number of Dominant Species X Number of Dominant Species X Absolute Dominant Species? That Are OBL; FACW, or FAC: 2 (A) 2	Are Vegetation	,Soil	, or Hydrology	:	significantly of	disturbed? A	re "Normal Circumstand	ces" present?	Yes X	No
Hydrophylic Vegetation Present? Yes No X No X No X Is the Sampled Area within a Wetland? Yes No X Predicitation prior to fieldwork: No X within a Wetland? Yes No X Predicitation prior to fieldwork: Indreewsy bask mulch area N of SP1. Absolute Dominant Seciens? Status Number of Dominant Species 1. indreewsy bask mulch area N of SP1. Absolute Dominant Seciens? Status Number of Dominant Species 1. indreewsy bask mulch area N of SP1. Model area Indicator Number of Dominant Species 1. Absolute Offs = Total Cover FAC Prevalence Index worksheet: 2. Indicator Indicator Status 2 (A) 3. Indicator Status Total Number of Dominant Species Prevalence Index worksheet: 1. Brackapus monegyna 1% No FAC Prevalence Index worksheet: 1. Indicator Indicator Indicator Indicator Indicator Satagnolium 1%	Are Vegetation	,Soil	, or Hydrology		naturally prol	olematic? (I	lf needed, explain any a	nswers in Rem	arks.)	
Hydric Soil Present? Yes No X Is the Sampled Area Wetland Hydrology Present? Yes No X within a Wetland? Yes No X Remarks: In driveway bark mulch area N of SP1. VEGETATION VEGETATION Dominant Indicator Number of Dominant Species 1 2.	SUMMARY O	F FINDINGS – Attack	n site map show	ing :	sampling	point location	ons, transects, im	portant fea	atures, ef	tc.
Wetand Hydrology Present? Yes No X within a Wetand? Yes No X Precipitation prior to fieldwork: Remarks: Indicator Indicator Indicator Status Nomber of Dominant Species Trade Stratum (Plot size: _30' r_) % Cover Species? Status Number of Dominant Species 1.	Hydrophytic Vege	etation Present?	Yes X	No						
Indextant Its	Hydric Soil Prese	nt?	Yes	No	Х	Is the Sampl	led Area			
OPEN INCLOSE VEGETATION Deminant indicator Dominant Species 1.	Wetland Hydrolog	gy Present?	Yes	No	Х	within a Wet	land? Yes	No	Х	
In driveway/ bark mulch area N of SP1. VEGETATION Dominant Indicator Statum Opiniant Indicator 1.	Precipitation prior	to fieldwork:								
VEGETATION Tree Stratum (Plot size:_30 r_) Absolute % Cover Dominant Species? Dominant Status Indicator 1.										
Image: Statum (Plot size: _30 r _) Absolute Dominant Indicator Dominant Species 1.	In driveway/ bark r	muich area N of SP1.								
Tree Stratum (Plot size: _30 r_) ½ Cover Species? Status Number of Dominant Species 1.	VEGETATION									
1. Image: Second Se			Absolute		Dominant	Indicator	Dominance Test wo	orksheet:		
2.	Tree Stratum	(Plot size: <u>30' r</u>)	<u>% Cover</u>		Species?	Status	Number of Dominant	Species		
2.	1.						That Are OBL, FACW	V, or FAC:	2	(A)
4.	2.			-				-		- ` ´
4.	3.			-			Total Number of Dom	ninant		
O% = Total Cover Percent of Dominant Species 1. Rhododendron species 10% Yes FAC ? That Are OBL, FACW, or FAC: 100% (A/B) 2. Crataegus monogyna 11% No FAC Percent of Dominant Species 3. Iex aquifolium 11% No FAC Total %. Cover of: Multiply by: 4. 11% No FAC Total %. Cover of: Multiply by: 4. 12% = Total Cover FACW species 5.2 x 2 = 104 5. 12% = Total Cover FACW species 5.x 4 = 20 0 1. Juncus bufonius 50% Yes FACW UP species 5.x 4 = 20 2. Epitobium ciliatum 2% No FACU Hyperclour totals: 68 (A) 157 (B) 3. Hypericum perforatum 2% No FACU Hydrophytic Vegetation Indicators: 1 Radia Total %: S3.0 ¹ 3.3.0 ¹ 3.3.0 ¹ 3.3.0 ¹	4.			-					2	(B)
Sapling/Shrub Stratum (Plot size: 10 r) Percent of Dominant Species 1. Rhododendron species 10% Yes FAC ? That Are OBL, FACW, or FAC: 100% (A/B) 2. Crataegus monogyna 1% No FAC Prevalence Index worksheet: Total % Cover of: Multiply by: 3. Itex aquifolium 1% No FAC Prevalence Index worksheet: Total % Cover of: Multiply by: 4.				- Tota	l Cover			-		_(=)
1. Rhododendron species 10% Yes FAC ? That Are OBL, FACW, or FAC: 100% (A/B) 2. Crataegus monogyna 1% No FAC Prevalence Index worksheet: Total % Cover of: Multiply by: 0 3. Itex aquifolium 1% No FAC Prevalence Index worksheet: Total % Cover of: Multiply by: 0 4.	Sapling/Shrub Stra	atum (Plot size: <u>10</u>					Percent of Dominant	Species		
2. Crataegus monogyna 1% No FAC Prevalence Index worksheet: 3. jiex aquifolium 1% No FACU OBL species 0 x 1 = 0 4. 12% = Total Cover FACU Very species 52 x 2 = 104 5. 12% = Total Cover FACU Species 0 x 1 = 0 1. Juncus butonius 50% Yes FACU FACU Species 5 x 4 = 20 1. Juncus butonius 50% Yes FACU Prevalence Index worksheet: Column Totals: 68 (A) 157 (B) 3. Hypochaeris radicata 2% No FACU Prevalence Index = B/A = 2.31 Hydrophytic Vegetation Indicators: 1 - 2.31 1 -	1. Rhododendro	n species	10%		Yes	FAC ?			100%	(A/B)
3. lex aquifolium 1% No FACU Total % Cover of: Multiply by: 4.	2	•		-						(100)
4. OBL species 0 x 1 = 0 5. 12% = Total Cover FACW species 52 x 2 = 104 FAC species 52 x 2 = 104 FAC species 5 x 4 = 20 1. Juncus bufonius 50% Yes FACW UPL species 0 x 5 = 0 2. Epilobium ciliatum 2% No FACW Prevalence Index = B/A = 2.31 4. Hypericum perforatum 2% No FACU Prevalence Index = B/A = 2.31 4. Hypericum perforatum 2% No FACU Hydrophytic Vegetation Indicators: 5. 1 - Rapid Test for Hydrophytic Vegetation 1 - Rapid Test for Hydrophytic Vegetation 6. X 2 Dominance Test is >50% X - Prevalence Index is \$3.0 ¹ 8.	2	••		-					oy:	
5. Image: stratum strat		11	1 70	-	NO	1 ACO	OBL species	0 x 1 =	0	
Herb Stratum (Plot size: _5' r) 1. Juncus bufonius 50% Yes FACW 2. Epilobium ciliatum 2% No FACW 3. Hypericum perforatum 2% No FACU 4. Hypochaeris radicata 2% No FACU 5. 2. 2. No FACU 6. 2% No FACU 7. 2% No FACU 8. 2. 20 1. 9. 2. No FACU 9. 2. No FACU 10. 2. 2% No 11. 2% No FACU 9. 1. 1. Repider tor Hydrophytic Vegetation 10. 2. 2. 1. No 11. 2. 26% 2. 1. 10. 2. 2. 2. 2. 11. 2. 2. 2. 2. 12. 2. 2. 2. 1. 12. 2. 2.				-			· · · · · · · · · · · · · · · · · · ·			1
Herb Stratum (Plot size: <u>5'</u> r_) 1. Juncus bufonius 50% Yes FACW 2. Epilobium ciliatum 2% No FACW 3. Hypericum perforatum 2% No FACU 4. Hypericum perforatum 2% No FACU 5.			12% -	- Tota	Cover				-	
1. Juncus bufonius 50% Yes FACW UPL species 0 x 5 = 0 2. Epilobium ciliatum 2% No FACW Column Totals: 68 (A) 157 (B) 3. Hypericum perforatum 2% No FACU Prevalence Index = B/A = 2.31 4. Hypochaeris radicata 2% No FACU Hydrophytic Vegetation Indicators: 5.	Herb Stratum	(Plot size: 5' r)	12 /0	- 101a			-	<u> </u>		
2. Epilobium ciliatum 2% No FACW Column Totals: 68 (A) 157 (B) 3. Hypericum perforatum 2% No FACU Prevalence Index = B/A = 2.31 4. Hypochaeris radicata 2% No FACU Hydrophytic Vegetation Indicators: 5.		/	E09/		Vee	EAC)A/		-		
3. Hypericum perforatum 2% No FACU Prevalence Index = B/A = 2.31 4. Hypochaeris radicata 2% No FACU Hydrophytic Vegetation Indicators: 5.				-						(B)
Inspendent periodical in the period	<u></u>			-				. ,		(B)
5.				-						
6. X 2 - Dominance Test is >50% 7. X 3 - Prevalence Index is ≤3.0 ¹ 8. 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) 9. 5 - Wetland Non-Vascular Plants ¹ 10. 5 - Wetland Non-Vascular Plants ¹ 11. Problematic Hydrophytic Vegetation ¹ (Explain) 11. 56% 2. 0% 8 Bare Ground in Herb Stratum 44%	Typeenaener	radicata	2%	-	No	FACU				
7. X 3 - Prevalence Index is ≤3.01 8. 4 - Morphological Adaptations1 (Provide supporting data in Remarks or on a separate sheet) 9. 5 - Wetland Non-Vascular Plants1 10. 5 - Wetland Non-Vascular Plants1 11. Problematic Hydrophytic Vegetation1 (Explain) 14. 9. 2. 0% = Total Cover % Bare Ground in Herb Stratum 44%				-			·	, , ,	regetation	
8. 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) 9. 5 - Wetland Non-Vascular Plants ¹ 10. 5 - Wetland Non-Vascular Plants ¹ 11. Problematic Hydrophytic Vegetation ¹ (Explain) 11. 56% Woody Vine Stratum 56% 1. 0% 2. 0% % Bare Ground in Herb Stratum 44%				-						
9.				-					(D	
10. 5 - Wetland Non-Vascular Plants ¹ 11. Problematic Hydrophytic Vegetation ¹ (Explain) 11. 56% Woody Vine Stratum (Plot size: 10' r) 1. 1 2. 0% 0% = Total Cover Wegetation Yes X No Present? Present?				-			· · ·	-		
11.				-						i)
Woody Vine Stratum (Plot size: 10' r) 1. - 2. - 0% = Total Cover Woody Vine Stratum - 1. - 2. - 0% = Total Cover Wegetation Yes X No Present? -				-						
Woody Vine Stratum (Plot size: 10' r _) be present. 1.	11.			-			·			
I. I. <thi.< th=""> I. I. I.<!--</td--><td></td><td>(Plot size: 10</td><td></td><td>= Tota</td><td>l Cover</td><td></td><td>-</td><td>soil and wetlan</td><td>d hydrology</td><td>must</td></thi.<>		(Plot size: 10		= Tota	l Cover		-	soil and wetlan	d hydrology	must
2.		um (FIOL SIZE10	<u> </u>				be present.			
0% = Total Cover Vegetation Yes X No % Bare Ground in Herb Stratum 44% Present?	2.			-			Hydrophytic			
% Bare Ground in Herb Stratum 44% Present?			0% =	- Tota	l Cover			Yes X	No	
	% Bare Ground in	Herb Stratum 449					-			-
								d by: KS	OC by: cm	W

(inches) Color (mo 0-2 10YR 3/ 2-9 10YR 3/	ist) %						
	131) 70	Color (moist)	%	Type ¹	Loc ²	Texture	Remark
2-9 10YR 3/	1 95	10YR 3/3	5	С	М	SiCL	
	2 100					SiCL	
9-17 10YR 3/	2 85	10YR 3/6	5	С	М	SiCL	Mixed Matrix
10YR 4/	2 10						with charcoal
17-20 10YR 4/	2 90	10YR 3/6	10	С	М	SiCL	
						<u> </u>	
ype: C=Concentration, D=E	Depletion, RM=Rec	luced Matrix CS=Cover	ed or Coated S	and Grains.	² Location: PL=	=Pore Lining, M=Matri	x.
dric Soil Indicators: (App	licable to all LRR	s, unless otherwise n	oted.)		Indicators f	or Problematic Hydri	ic Soils ³ :
Histosol (A1)		Sandy Redox (St	5)		2 cm Mu	ıck (A10)	
Histic Epipedon (A2)		Stripped Matrix (S6)		Red Par	ent Material (TF2)	
Black Histic (A3)		Loamy Mucky Mi	neral (F1) (exce	ept MLRA 1)	Very Sha	allow Dark Surface (T	F12)
Hydrogen Sulfide (A4)		Loamy Gleyed M	atrix (F2)			xplain in Remarks)	
Depleted Below Dark Sur	face (A11)	Depleted Matrix (. ,			- /	
Thick Dark Surface (A12)		Redox Dark Surf	,		³ Indicators o	f hydrophytic vegetatio	on and
Sandy Mucky Mineral (S1		Depleted Dark S	. ,		wetland hy	drology must be prese	ent,
Sandy Gleyed Matrix (S4)		Redox Depressio	. ,			urbed or problematic.	
Type: Depth (inches): emarks: S = sand; Si	= silt; C = clay; L =	loam or loamy; co = co	oarse; f = fine; v		ydric Soil Pres = heavy (more		No X
Type: Depth (inches): emarks: S = sand; Si nder 1 inch of bark mulch.	rs:		barse; f = fine; v		•		
Type: Depth (inches): emarks: S = sand; Si nder 1 inch of bark mulch. YDROLOGY retland Hydrology Indicato	rs:		parse; f = fine; v		= heavy (more		ay)
Type: Depth (inches): emarks: S = sand; Si nder 1 inch of bark mulch. YDROLOGY retland Hydrology Indicato	rs:			f = very fine; + =	= heavy (more	clay); - = light (less cla	ay) equired)
Type: Depth (inches): emarks: S = sand; Si nder 1 inch of bark mulch. YDROLOGY /etland Hydrology Indicato	rs:	eck all that apply)	eaves (B9) (exc	f = very fine; + =	= heavy (more Secondary II	clay); - = light (less cla ndicators (2 or more re	ay) equired)
Type: Depth (inches): emarks: S = sand; Si nder 1 inch of bark mulch. YDROLOGY /etland Hydrology Indicato rimary Indicators (minimum Surface Water (A1)	rs:	eck all that apply)Water-Stained Le	eaves (B9) (exc	f = very fine; + =	= heavy (more Secondary In Water-S 4A, an	clay); - = light (less cla ndicators (2 or more re tained Leaves (B9) (N	ay) equired)
Type: Depth (inches): emarks: S = sand; Si nder 1 inch of bark mulch. IYDROLOGY retland Hydrology Indicator rimary Indicators (minimum Surface Water (A1) High Water Table (A2)	rs:	eck all that apply) Water-Stained Le 1, 2, 4A, and 4	eaves (B9) (exc IB)	f = very fine; + =	= heavy (more <u>Secondary II</u> Water-S Drainage	clay); - = light (less cla ndicators (2 or more ra tained Leaves (B9) (N nd 4B)	equired) ILRA 1, 2,
Type: Depth (inches): emarks: S = sand; Si nder 1 inch of bark mulch. YDROLOGY Yetland Hydrology Indicator rimary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3)	rs:	eck all that apply) Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11)	eaves (B9) (exc IB) ates (B13)	f = very fine; + =	= heavy (more <u>Secondary II</u> Water-S 4A, au Drainage Dry-Sea	clay); - = light (less cla ndicators (2 or more re tained Leaves (B9) (N nd 4B) e Patterns (B10)	ay) equired) ILRA 1, 2,
Type: Depth (inches): emarks: S = sand; Si nder 1 inch of bark mulch. IYDROLOGY fetland Hydrology Indicator rimary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	rs:	eck all that apply) Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebr	eaves (B9) (exc IB) rates (B13) e Odor (C1)	f = very fine; + =	= heavy (more <u>Secondary II</u> Water-S 4A, at Drainage Dry-Sea Saturatio	clay); - = light (less cla ndicators (2 or more re tained Leaves (B9) (N nd 4B) e Patterns (B10) son Water Table (C2)	ay) equired) ILRA 1, 2,
Type: Depth (inches): emarks: S = sand; Si nder 1 inch of bark mulch. YDROLOGY retland Hydrology Indicato rimary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	rs:	eck all that apply) Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebr	eaves (B9) (exc IB) ates (B13) Odor (C1) oheres along Liv	f = very fine; + =	= heavy (more <u>Secondary II</u> Water-S 4A, ai Drainage Dry-Sea Saturatio Geomor	clay); - = light (less cla <u>indicators (2 or more re</u> tained Leaves (B9) (N nd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Im	ay) equired) ILRA 1, 2,
Type: Depth (inches): emarks: S = sand; Si nder 1 inch of bark mulch. IYDROLOGY /etland Hydrology Indicator rimary Indicators (minimum) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	rs:	eck all that apply) Water-Stained Le 1, 2, 4A, and Salt Crust (B11) Aquatic Invertebr Hydrogen Sulfide Oxidized Rhizosp	eaves (B9) (exc IB) rates (B13) e Odor (C1) oheres along Liv uced Iron (C4)	rf = very fine; + =	= heavy (more <u>Secondary II</u> Water-S 4A, au Drainage Dry-Sea Saturatio Geomor Shallow	clay); - = light (less cla <u>ndicators (2 or more re</u> tained Leaves (B9) (N nd 4B) = Patterns (B10) son Water Table (C2) on Visible on Aerial Im phic Position (D2)	ay) equired) ILRA 1, 2,
Type: Depth (inches): emarks: S = sand; Si nder 1 inch of bark mulch. IYDROLOGY fetland Hydrology Indicator rimary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)	rs:	eck all that apply) Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebr Hydrogen Sulfide Oxidized Rhizosp Presence of Red	eaves (B9) (exc IB) eates (B13) e Odor (C1) oheres along Liv uced Iron (C4) uction in Tilled S	rf = very fine; + =	= heavy (more <u>Secondary II</u> Water-S 4A, ai Dry-Sea Dry-Sea Saturatio Geomor Shallow FAC-Ne	clay); - = light (less cla <u>indicators (2 or more re</u> tained Leaves (B9) (N nd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Im phic Position (D2) Aquitard (D3)	ay) equired) ILRA 1, 2, agery (C9)
Type: Depth (inches): emarks: S = sand; Si nder 1 inch of bark mulch. IYDROLOGY Tetland Hydrology Indicator rimary Indicators (minimum 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)	rs: of one required; ch	eck all that apply) Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebr Hydrogen Sulfide Oxidized Rhizosp Presence of Red Recent Iron Red	eaves (B9) (exc IB) e Odor (C1) oheres along Liv uced Iron (C4) uction in Tilled S sed Plants (D1)	rf = very fine; + =	= heavy (more <u>Secondary II</u> Water-S 4A, ar Drainage Dry-Sea Saturatio Geomor Shallow FAC-Ne Raised A	clay); - = light (less cla <u>indicators (2 or more re</u> tained Leaves (B9) (N nd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Im phic Position (D2) Aquitard (D3) utral Test (D5)	ay) equired) ILRA 1, 2, agery (C9)
Type: Depth (inches): emarks: S = sand; Sinder 1 inch of bark mulch. YDROLOGY etland Hydrology Indicator imary Indicators (minimum) 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)	rs: of one required; ch	eck all that apply) Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebr Hydrogen Sulfide Oxidized Rhizosp Presence of Red Recent Iron Redu	eaves (B9) (exc IB) e Odor (C1) oheres along Liv uced Iron (C4) uction in Tilled S sed Plants (D1)	rf = very fine; + =	= heavy (more <u>Secondary II</u> Water-S 4A, ar Drainage Dry-Sea Saturatio Geomor Shallow FAC-Ne Raised A	clay); - = light (less cla <u>hdicators (2 or more re</u> tained Leaves (B9) (N hd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Im phic Position (D2) Aquitard (D3) utral Test (D5) Ant Mounds (D6) (LRF	ay) equired) ILRA 1, 2, agery (C9)
Type: Depth (inches): emarks: S = sand; Si nder 1 inch of bark mulch. YDROLOGY retland Hydrology Indicator rimary Indicators (minimum) 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 Aer Sparsely Vegetated Cond	rs: of one required; ch	eck all that apply) Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebr Hydrogen Sulfide Oxidized Rhizosp Presence of Red Recent Iron Redu	eaves (B9) (exc IB) e Odor (C1) oheres along Liv uced Iron (C4) uction in Tilled S sed Plants (D1)	rf = very fine; + =	= heavy (more <u>Secondary II</u> Water-S 4A, ar Drainage Dry-Sea Saturatio Geomor Shallow FAC-Ne Raised A	clay); - = light (less cla <u>hdicators (2 or more re</u> tained Leaves (B9) (N hd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Im phic Position (D2) Aquitard (D3) utral Test (D5) Ant Mounds (D6) (LRF	ay) equired) ILRA 1, 2, agery (C9)
Type: Depth (inches): emarks: S = sand; Si nder 1 inch of bark mulch. IYDROLOGY /etland Hydrology Indicator rimary Indicators (minimum 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 Aer Sparsely Vegetated Conc ield Observations:	rs: of one required; ch ial Imagery (B7) cave Surface (B8)	eck all that apply) Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebr Hydrogen Sulfide Oxidized Rhizosp Presence of Red Recent Iron Redu Stunted or Stress Other (Explain in	eaves (B9) (exc IB) e Odor (C1) oheres along Liv uced Iron (C4) uction in Tilled S sed Plants (D1)	rf = very fine; + =	= heavy (more <u>Secondary II</u> Water-S 4A, ar Drainage Dry-Sea Saturatio Geomor Shallow FAC-Ne Raised A	clay); - = light (less cla <u>hdicators (2 or more re</u> tained Leaves (B9) (N hd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Im phic Position (D2) Aquitard (D3) utral Test (D5) Ant Mounds (D6) (LRF	ay) equired) ILRA 1, 2, agery (C9)
Depth (inches): temarks: S = sand; Si Inder 1 inch of bark mulch. IYDROLOGY Vetland Hydrology Indicator rimary Indicators (minimum 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 Aer	rs: of one required; ch ial Imagery (B7) cave Surface (B8)	eck all that apply) Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebr Hydrogen Sulfide Oxidized Rhizosp Presence of Red Recent Iron Redu Stunted or Stress Other (Explain in	eaves (B9) (exc IB) eates (B13) e Odor (C1) oheres along Liv uced Iron (C4) uction in Tilled S sed Plants (D1) Remarks)	rf = very fine; + =	= heavy (more <u>Secondary In</u> Water-S 4A, an Dry-Sea Dry-Sea Saturation Geomor Shallow FAC-Ne Raised <i>J</i> Frost-He	clay); - = light (less cla <u>hdicators (2 or more re</u> tained Leaves (B9) (N hd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Im phic Position (D2) Aquitard (D3) utral Test (D5) Ant Mounds (D6) (LRF	ay) equired) ILRA 1, 2, lagery (C9)
Type: Depth (inches): emarks: S = sand; Si inder 1 inch of bark mulch. IYDROLOGY /etland Hydrology Indicator rimary Indicators (minimum 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 Aer Sparsely Vegetated Conc ield Observations: Surface Water Present?	rs: of one required; ch ial Imagery (B7) cave Surface (B8) Yes	eck all that apply) Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebr Hydrogen Sulfide Oxidized Rhizosp Presence of Red Recent Iron Redu Stunted or Stress Other (Explain in No X E	eaves (B9) (exc IB) eates (B13) e Odor (C1) oheres along Liv uced Iron (C4) uction in Tilled S sed Plants (D1) Remarks) Depth (inches):	rf = very fine; + =	= heavy (more <u>Secondary In</u> Water-S 4A, an Dry-Sea Dry-Sea Saturation Geomor Shallow FAC-Ne Raised <i>J</i> Frost-He	clay); - = light (less cla <u>indicators (2 or more re</u> tained Leaves (B9) (N ind 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Im phic Position (D2) Aquitard (D3) utral Test (D5) Ant Mounds (D6) (LRF eave Hummocks (D7)	equired) ILRA 1, 2, Iagery (C9)

Project/Site: Panzer Nursery (17980 SW	Baseline Road)	City/County:	Beaverton		Sampling Date: 6/29/	2022
Applicant/Owner: Stanton Street Building C	ompany LLC			State: OR	Sampling Point:	SP3
Investigator(s): Chris Moller, C. Mirth Wa	lker	Section,	Township, Rang	ge: 06BC, 1S, 1W	-	
Landform (hillslope, terrace, etc.): Terrace			Local relief	(concave, convex, none):	Concave Slope	(%): 2
Subregion (LRR): A, Northwest Forests and	Coasts	Lat: 45.512310	Lor	ng: -122.864803	Datum: NAD	1983
Soil Map Unit Name: Aloha Silt Loar	m (Unit 1)		_		classification: None	
Are climatic / hydrologic conditions on the site		of year?	Ye	es X No	(If no, explain in F	Remarks)
Are Vegetation,Soil	, or Hydrology	significantly of	disturbed?	Are "Normal Circumstan	ces" present? Yes	X No
Are Vegetation,Soil	, or Hydrology	naturally prot	blematic? ((If needed, explain any a	inswers in Remarks.)	
SUMMARY OF FINDINGS – Attac	h site map sho	wing sampling	point locati	ions, transects, in	portant features	, etc.
Hydrophytic Vegetation Present?	Yes X	No				
Hydric Soil Present?	Yes X	No	Is the Samp	led Area		
Wetland Hydrology Present?	Yes X	No	within a We	tland? Yes	Х No	
Precipitation prior to fieldwork:						
Remarks:						
In the forest west of driveway.						
VEGETATION						
	Absolute	Dominant	Indicator	Dominance Test wo	orksheet:	
Tree Stratum (Plot size: <u>30' r</u>)	<u>% Cover</u>	Species?	<u>Status</u>	Number of Dominant	t Species	
1. Crataegus monogyna	60%	Yes	FAC	That Are OBL, FACW	N, or FAC: 3	(A)
2. Fraxinus latifolia	55%	Yes	FACW			
3.				Total Number of Dor	ninant	
4.				Species Across All S	Strata: 5	(B)
	115%	= Total Cover				``
Sapling/Shrub Stratum (Plot size: 10	<u>)' r</u>)	-		Percent of Dominant	Species	
1. Amelanchier alnifolia	20%	Yes	FACU	That Are OBL, FACV	N. or FAC: <u>60%</u>	(A/B)
2. Symphoricarpos albus	20%	Yes	FACU	Prevalence Index w		
3. Rosa species	5%	No	FAC ?	Total % Cover of		
4. Quercus garryana	1%	No	FACU	OBL species	0 x 1 =	0
5.					95 x 2 =	190
	46%	= Total Cover				195
Herb Stratum (Plot size: <u>5' r</u>)		-				164
1. Camassia leichtlinii	40%	Yes	FACW	UPL species	0 x 5 =	0
2.					<u> </u>	549 (B)
3.				Prevalence Inde		<u> </u>
4.				Hydrophytic Vegeta		
5.					or Hydrophytic Vegetatio	on
6.				X 2 - Dominance T		
7.	·			X 3 - Prevalence Ir		
8.	·				al Adaptations ¹ (Provide	e supporting
9.					arks or on a separate sh	
10.					-Vascular Plants ¹	
11.					Irophytic Vegetation ¹ (E	(volain)
····	400/					
Woody Vine Stratum (Plot size: 10	<u>40%</u>)	= Total Cover		be present.	soil and wetland hydrolo	Jyy must
1.	-					
2.				Hydrophytic		
	0%	= Total Cover		Vegetation	Yes X No	
% Bare Ground in Herb Stratum 60	%			Present?		
Remarks:				Entere	ed by: KS QC by:	cmw

Licorice fern on cottonwood hummock. Dual layer forest canopy and dual layer shrub layer - serviceberry almost a tree.

Depth	Matr			Redox F	ealures			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-6	10YR 2/1	100					SiL	
6-12	10YR 2/1	85	10YR 3/6	15	С	М	SiCL	
12-21	10YR 4/2	85	10YR 3/6	15	С	М	SiCL	
ype: C=Concen	ntration, D=Depleti	on, RM=Redu	uced Matrix CS=Cover	ed or Coated S	Sand Grains.	² Location: PL:	=Pore Lining, M=Matrix.	
dric Soil Indica	ators: (Applicable	e to all LRRs	, unless otherwise no	oted.)		Indicators f	or Problematic Hydric	Soils ³ :
Histosol (A1)			Sandy Redox (St	5)		2 cm Mu	ıck (A10)	
Histic Epipede			Stripped Matrix (S				ent Material (TF2)	
Black Histic (/	. ,		Loamy Mucky Mi		ept MLRA 1)	Very Sh	allow Dark Surface (TF1	12)
Hydrogen Sul			Loamy Gleyed M	atrix (F2)			xplain in Remarks)	
	ow Dark Surface (A	A11)	Depleted Matrix (,	
 Thick Dark Su		,	X Redox Dark Surfa			³ Indicators o	f hydrophytic vegetation	n and
Sandy Mucky			Depleted Dark St	. ,		wetland hy	drology must be preser	nt.
Sandy Gleyed			Redox Depressio			-	turbed or problematic.	- 1
Type: Depth (inches):		- C = clay; L =	loam or loamy; co = co	parse; f = fine; v		y dric Soil Pre = heavy (more	sent? Yes X clay); - = light (less clay	No /)
Type: Depth (inches): emarks: S	S = sand; Si = silt;	_ C = clay; L = ∣	loam or loamy; co = cc	parse; f = fine; v		-		
Type: Depth (inches): emarks: S IYDROLOGY /etland Hydrolo	S = sand; Si = silt;			parse; f = fine; ·		= heavy (more		/)
Type: Depth (inches): emarks: S IYDROLOGY /etland Hydrolo	S = sand; Si = silt; f pgy Indicators: s (minimum of one				vf = very fine; +	= heavy (more	clay); - = light (less clay	() /) guired)
Type: Depth (inches): emarks: S IYDROLOGY /etland Hydrolo rimary Indicators	S = sand; Si = silt; f pgy Indicators: s (minimum of one er (A1)		eck all that apply)	eaves (B9) (ex	vf = very fine; +	= heavy (more Secondary I X Water-S	clay); - = light (less clay	() /) guired)
Type: Depth (inches): emarks: S IYDROLOGY /etland Hydrolo rimary Indicators Surface Wate	S = sand; Si = silt; ygy Indicators: s (minimum of one er (A1) Table (A2)		eck all that apply)Water-Stained Le	eaves (B9) (ex	vf = very fine; +	= heavy (more <u>Secondary I</u> <u>X</u> Water-S 4A, a	clay); - = light (less clay ndicators (2 or more rec tained Leaves (B9) (ML	() /) guired)
Type: Depth (inches): emarks: S IYDROLOGY /etland Hydrolo rimary Indicators Surface Wate High Water T	S = sand; Si = silt; f pgy Indicators: s (minimum of one er (A1) Table (A2) .3)		eck all that apply) Water-Stained Le 1, 2, 4A, and 4	eaves (B9) (ex 4 B)	vf = very fine; +	= heavy (more <u>Secondary I</u> <u>X</u> Water-S 4A, a Drainag	clay); - = light (less clay ndicators (2 or more rec tained Leaves (B9) (ML nd 4B)	() /) guired)
Type: Depth (inches): emarks: S IYDROLOGY /etland Hydrolo rimary Indicators Surface Wate High Water T Saturation (A:	S = sand; Si = silt; f pgy Indicators: s (minimum of one er (A1) Table (A2) 3) (B1)		eck all that apply) Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11)	eaves (B9) (ex 1B) rates (B13)	vf = very fine; +	= heavy (more <u>Secondary I</u> <u>X</u> Water-S 4A, at Drainag Dry-Sea	clay); - = light (less clay ndicators (2 or more rec tained Leaves (B9) (ML nd 4B) e Patterns (B10)	<u>quired)</u> .RA 1, 2,
Type: Depth (inches): emarks: S IYDROLOGY /etland Hydrolo rimary Indicators Surface Water High Water T Saturation (A: Water Marks	S = sand; Si = silt; pgy Indicators: s (minimum of one er (A1) able (A2) (B1) posits (B2)		eck all that apply) Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebr	eaves (B9) (ex 4B) rates (B13) e Odor (C1)	vf = very fine; +	= heavy (more <u>Secondary I</u> <u>X</u> Water-S <u>4A, a</u> <u>Drainag</u> <u>Dry-Sea</u> Saturatio	clay); - = light (less clay ndicators (2 or more rec tained Leaves (B9) (ML nd 4B) e Patterns (B10) son Water Table (C2)	<u>quired)</u> .RA 1, 2,
Type: Depth (inches): emarks: S IYDROLOGY Vetland Hydrolo rimary Indicators Surface Wate High Water T Saturation (A: Water Marks Sediment Dep	S = sand; Si = silt; y y gy Indicators: s (minimum of one er (A1) Table (A2) .3) (B1) posits (B2) s (B3)		Water-Stained Le Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebr	eaves (B9) (ex IB) rates (B13) e Odor (C1) oheres along Li	vf = very fine; + cept MLRA	= heavy (more <u>Secondary I</u> <u>X</u> Water-S 4A, a Drainag Dry-Sea Saturatio Geomor	clay); - = light (less clay ndicators (2 or more rec tained Leaves (B9) (ML nd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Imag	<u>quired)</u> .RA 1, 2,
Type: Depth (inches): emarks: S IYDROLOGY /etland Hydrolo rimary Indicators Surface Water High Water T Saturation (A Water Marks Sediment Dep Drift Deposits	S = sand; Si = silt; f pgy Indicators: s (minimum of one er (A1) Table (A2) 3) (B1) posits (B2) s (B3) Crust (B4)		CK all that apply) Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebr Hydrogen Sulfide X Oxidized Rhizosp	eaves (B9) (ex 1B) rates (B13) e Odor (C1) oheres along Li uced Iron (C4)	vf = very fine; +	= heavy (more <u>Secondary I</u> <u>X</u> Water-S 4A, a Drainag Dry-Sea Saturatio Geomor Shallow	clay); - = light (less clay ndicators (2 or more rec tained Leaves (B9) (ML nd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Imag phic Position (D2)	<u>quired)</u> .RA 1, 2,
Type: Depth (inches): emarks: S IYDROLOGY Vetland Hydrolo rimary Indicators Surface Wate High Water T Saturation (A: Water Marks Sediment Dep Drift Deposits Algal Mat or C	S = sand; Si = silt; gy Indicators: s (minimum of one er (A1) Table (A2) (B1) posits (B2) s (B3) Crust (B4) s (B5)		Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebr Hydrogen Sulfide X Oxidized Rhizosp Presence of Red	eaves (B9) (ex 4B) e odor (C1) oheres along Li uced Iron (C4) uction in Tilled	vf = very fine; + cept MLRA iving Roots (C3) Soils (C6)	= heavy (more <u>Secondary I</u> <u>X</u> Water-S 4A, a Drainag Dry-Sea Saturatio Geomor Shallow FAC-Ne	clay); - = light (less clay ndicators (2 or more rec tained Leaves (B9) (ML nd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Imag phic Position (D2) Aquitard (D3)	ر) <u>quired)</u> .RA 1, 2, gery (C9)
Type: Depth (inches): emarks: S IYDROLOGY /etland Hydrolo rimary Indicators Surface Water High Water T Saturation (A: Water Marks Sediment Dep Drift Deposits Algal Mat or C Iron Deposits Surface Soil C	S = sand; Si = silt; gy Indicators: s (minimum of one er (A1) Table (A2) (B1) posits (B2) s (B3) Crust (B4) s (B5)	required; che	Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebr Hydrogen Sulfide X Oxidized Rhizosp Presence of Red Recent Iron Redu	eaves (B9) (ex 4B) e Odor (C1) oheres along Li uced Iron (C4) uction in Tilled sed Plants (D1)	vf = very fine; + cept MLRA iving Roots (C3) Soils (C6)	= heavy (more <u>Secondary I</u> <u>X</u> Water-S 4A , al Drainag Dry-Sea Saturatio Geomor Shallow FAC-Ne Raised /	clay); - = light (less clay ndicators (2 or more rec tained Leaves (B9) (ML nd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Imag phic Position (D2) Aquitard (D3) utral Test (D5)	ر) <u>quired)</u> .RA 1, 2, gery (C9)
Type: Depth (inches): emarks: S IYDROLOGY fetland Hydrolo rimary Indicators Surface Wate High Water T Saturation (A: Water Marks Sediment Dep Drift Deposits Algal Mat or C Iron Deposits Surface Soil C Inundation Vis	S = sand; Si = silt; yegy Indicators: s (minimum of one er (A1) Table (A2) 3) (B1) posits (B2) s (B3) Crust (B4) s (B5) Cracks (B6)	required; che	eck all that apply) Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebr Hydrogen Sulfide X Oxidized Rhizosp Presence of Red Recent Iron Redu Stunted or Stress	eaves (B9) (ex 1B) e Odor (C1) oheres along Li uced Iron (C4) uction in Tilled sed Plants (D1)	vf = very fine; + cept MLRA iving Roots (C3) Soils (C6)	= heavy (more <u>Secondary I</u> <u>X</u> Water-S 4A , al Drainag Dry-Sea Saturatio Geomor Shallow FAC-Ne Raised /	clay); - = light (less clay ndicators (2 or more rec tained Leaves (B9) (ML nd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Imag phic Position (D2) Aquitard (D3) utral Test (D5) Ant Mounds (D6) (LRR A	ر) <u>quired)</u> .RA 1, 2, gery (C9)
Type: Depth (inches): emarks: S IYDROLOGY /etland Hydrolo rimary Indicators Surface Wate High Water T Saturation (A: Water Marks Sediment Dep Drift Deposits Algal Mat or C Iron Deposits Surface Soil C Inundation Vis Sparsely Veg	S = sand; Si = silt; y gy Indicators: s (minimum of one er (A1) Table (A2) (B1) posits (B2) s (B3) Crust (B4) s (B5) Cracks (B6) isible on Aerial Ima getated Concave S	required; che	eck all that apply) Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebr Hydrogen Sulfide X Oxidized Rhizosp Presence of Red Recent Iron Redu Stunted or Stress	eaves (B9) (ex 1B) e Odor (C1) oheres along Li uced Iron (C4) uction in Tilled sed Plants (D1)	vf = very fine; + cept MLRA iving Roots (C3) Soils (C6)	= heavy (more <u>Secondary I</u> <u>X</u> Water-S 4A , al Drainag Dry-Sea Saturatio Geomor Shallow FAC-Ne Raised /	clay); - = light (less clay ndicators (2 or more rec tained Leaves (B9) (ML nd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Imag phic Position (D2) Aquitard (D3) utral Test (D5) Ant Mounds (D6) (LRR A	ر) <u>quired)</u> .RA 1, 2, gery (C9)
Type: Depth (inches): emarks: S IVDROLOGY retland Hydrolo rimary Indicators Surface Wate High Water T Saturation (A: Water Marks Sediment Dep Drift Deposits Algal Mat or C Iron Deposits Surface Soil C Inundation Vis Sparsely Veg	S = sand; Si = silt; yogy Indicators: s (minimum of one er (A1) Table (A2) (B1) posits (B2) s (B3) Crust (B4) s (B5) Cracks (B6) isible on Aerial Ima getated Concave S ms:	required; che Igery (B7) urface (B8)	Water-Stained Lee 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebr Hydrogen Sulfide X Oxidized Rhizosp Presence of Red Recent Iron Redu Stunted or Stress Other (Explain in	eaves (B9) (ex 4B) eates (B13) e Odor (C1) oheres along Li uced Iron (C4) uction in Tilled sed Plants (D1) Remarks)	vf = very fine; + cept MLRA iving Roots (C3) Soils (C6) (LRR A)	= heavy (more <u>Secondary I</u> <u>X</u> Water-S 4A , al Drainag Dry-Sea Saturatio Geomor Shallow FAC-Ne Raised /	clay); - = light (less clay ndicators (2 or more rec tained Leaves (B9) (ML nd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Imag phic Position (D2) Aquitard (D3) utral Test (D5) Ant Mounds (D6) (LRR A	ر) <u>quired)</u> .RA 1, 2, gery (C9)
Type: Depth (inches): emarks: S IYDROLOGY /etland Hydrolo rimary Indicators Surface Water High Water T Saturation (A: Water Marks Sediment Dep Drift Deposits Algal Mat or C Iron Deposits Surface Soil C Inundation Vis Sparsely Veg ield Observation	S = sand; Si = silt; ygy Indicators: s (minimum of one er (A1) Table (A2) .3) (B1) posits (B2) s (B3) Crust (B4) s (B5) Cracks (B6) isible on Aerial Ima getated Concave S ons: resent? Yes	required; che ngery (B7) urface (B8)	water-Stained Legendre 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebr Hydrogen Sulfide X Oxidized Rhizosp Presence of Red Stunted or Stress Other (Explain in No X No X	eaves (B9) (ex IB) rates (B13) e Odor (C1) oheres along Li uced Iron (C4) uction in Tilled sed Plants (D1) Remarks) Depth (inches):	vf = very fine; + cept MLRA iving Roots (C3) Soils (C6)) (LRR A)	= heavy (more <u>Secondary I</u> <u>X</u> Water-S 4A , al Drainag Dry-Sea Saturatio Geomor Shallow FAC-Ne Raised J Frost-He	clay); - = light (less clay ndicators (2 or more rec tained Leaves (B9) (ML nd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Imag phic Position (D2) Aquitard (D3) utral Test (D5) Ant Mounds (D6) (LRR A eave Hummocks (D7)	ر) <u>quired)</u> .RA 1, 2, gery (C9)
Type: Depth (inches): Temarks: S TYDROLOGY Vetland Hydrolo rimary Indicators Surface Water High Water T Saturation (A Water Marks Sediment Dep Drift Deposits Algal Mat or C Iron Deposits Surface Soil C Inundation Vis Sparsely Veg ield Observation Surface Water Pr Nater Table Pres	S = sand; Si = silt; ygy Indicators: s (minimum of one er (A1) Table (A2) .3) (B1) posits (B2) s (B3) Crust (B4) s (B5) Cracks (B6) isible on Aerial Ima yetated Concave S ins: resent? Yes sent? Yes	required; che Igery (B7) urface (B8)	eck all that apply) Water-Stained Letter 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebr Hydrogen Sulfide X Oxidized Rhizosp Presence of Red Recent Iron Redu Stunted or Stress Other (Explain in No X No X No X	eaves (B9) (ex IB) rates (B13) e Odor (C1) oheres along Li uced Iron (C4) uction in Tilled sed Plants (D1) Remarks) Depth (inches):	vf = very fine; + cept MLRA iving Roots (C3) Soils (C6)) (LRR A)	= heavy (more <u>Secondary I</u> <u>X</u> Water-S 4A , al Drainag Dry-Sea Saturatio Geomor Shallow FAC-Ne Raised J Frost-He	clay); - = light (less clay ndicators (2 or more rec tained Leaves (B9) (ML nd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Imag phic Position (D2) Aquitard (D3) utral Test (D5) Ant Mounds (D6) (LRR A eave Hummocks (D7)	/) <u>quired)</u> .RA 1, 2, gery (C9) A)
Depth (inches): Remarks: S Semarks: S Surface Wate High Water T. Saturation (A: Water Marks Sediment Dep Drift Deposits Algal Mat or C Iron Deposits Surface Soil C Inundation Vis	S = sand; Si = silt; yey Indicators: s (minimum of one er (A1) Table (A2) 3) (B1) posits (B2) s (B3) Crust (B4) s (B5) Cracks (B6) isible on Aerial Ima yetated Concave S ons: resent? Yes sent? Yes	required; che Igery (B7) urface (B8)	eck all that apply) Water-Stained Letter 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebr Hydrogen Sulfide X Oxidized Rhizosp Presence of Red Recent Iron Redu Stunted or Stress Other (Explain in No X No X No X	eaves (B9) (ex IB) rates (B13) e Odor (C1) oheres along Li uced Iron (C4) uction in Tilled sed Plants (D1) Remarks) Depth (inches):	vf = very fine; + cept MLRA iving Roots (C3) Soils (C6)) (LRR A)	= heavy (more <u>Secondary I</u> <u>X</u> Water-S 4A , al Drainag Dry-Sea Saturatio Geomor Shallow FAC-Ne Raised J Frost-He	clay); - = light (less clay ndicators (2 or more rec tained Leaves (B9) (ML nd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Imag phic Position (D2) Aquitard (D3) utral Test (D5) Ant Mounds (D6) (LRR A eave Hummocks (D7)	ر) <u>quired)</u> .RA 1, 2, gery (C9)

Project/Site: Panzer Nursery (17980 SW Bas	eline Road)	City/County:	Beaverton		Sampling Date:	6/29/2022	
Applicant/Owner: Stanton Street Building Comp	pany LLC			State: OR	Sampling P	oint:	SP4
Investigator(s): Chris Moller, C. Mirth Walker		Section, T	ownship, Rang	je: 06BC, 1S, 1W			
Landform (hillslope, terrace, etc.): Terrace			Local relief	(concave, convex, none):	Convex S	lope (%):	3
Subregion (LRR): A, Northwest Forests and Co	asts	Lat: 45.512320	Lon	- ng: -122.864681	Datum:	NAD 1983	
Soil Map Unit Name: Aloha Silt Loam (U	Jnit 1)			NWI	classification: Nor	ne	
Are climatic / hydrologic conditions on the site typ	pical for this time	of year?	Ye	es X No	(If no, expla	in in Rema	rks)
Are Vegetation,Soil	, or Hydrology	significantly c	listurbed? A	Are "Normal Circumstand	ces" present?	Yes X N	No
	, or Hydrology			If needed, explain any a			
SUMMARY OF FINDINGS – Attach s	ite map sho	· · ·	point locati	ons, transects, im	portant featu	ires, etc	•
Hydrophytic Vegetation Present?	Yes	No X					
Hydric Soil Present?	Yes	No X	Is the Samp	led Area			
Wetland Hydrology Present?	Yes	No X	within a Wet	tland? Yes	No	x	
Precipitation prior to fieldwork:							
Remarks:							
10' E of camas, ~ 20' W of driveway. 6-7" higher.							
VEGETATION							
	Absolute	Dominant	Indicator	Dominance Test wo	orksheet:		
Tree Stratum (Plot size: <u>30' r</u>)	% Cover	Species?	Status	Number of Dominant	Species		
1. Fraxinus latifolia	30%	Yes	FACW	That Are OBL, FACV	V. or FAC:	1 ((A)
2.							
3.				Total Number of Don	ainant		
4.				Species Across All S		3 ((B)
	30%	= Total Cover		Species Across Air S		<u> </u>	(D)
Sapling/Shrub Stratum (Plot size:10' r_				Percent of Dominant	Species		
1	_,	Mar	FAOL		•	33% (
	50%	Yes	FACU	That Are OBL, FACV	•	<u>33 /0</u> ((A/B)
 <u>Crataegus monogyna</u> 3. 	10%	No	FAC	Prevalence Index w Total % Cover of			
							_
4				· · ·	0 x 1 =	0	
5					30 x 2 =	60	
	60%	= Total Cover		· · · ·	10 x 3 =	30	
<u>Herb Stratum</u> (Plot size: <u>5' r</u>)				·	$50 \times 4 =$	200	
1. Polypodium glycyrrhiza	20%	Yes	NOL		20 x 5 =	100	
2					10 (A)	390	(B)
3				Prevalence Inde		<u>3.55</u>	
4				Hydrophytic Vegeta			
5				1 - Rapid Test fo	r Hydrophytic Veg	getation	
6				2 - Dominance T	est is >50%		
7	<u> </u>			3 - Prevalence Ir	ldex is ≤3.0 ¹		
8	_			4 - Morphologica	I Adaptations ¹ (Pr	ovide supp	orting
9	_			data in Rema	rks or on a separa	ate sheet)	
10	_			5 - Wetland Non-	-Vascular Plants ¹		
11				Problematic Hyd	rophytic Vegetatio	on ¹ (Explain	ו)
	20%	= Total Cover		¹ Indicators of hydric s	soil and wetland h	ydrology m	nust
Woody Vine Stratum (Plot size: <u>10' r</u>	_)	-		be present.			
1							
2		- Total Cause		Hydrophytic		v	
	0%	= Total Cover		Vegetation	Yes No	<u>X</u>	
% Bare Ground in Herb Stratum 80%				Present?		-	
Remarks: #1 H licorice fern, dying from heat?				Entere	d by: <u>KS</u> Q0	C by: cmw	

Depth	Mat			Redox F			_	
(inches)	Color (moist)	%	Color (moist)) %	Type ¹	Loc ²	Texture	Remark
0-10	10YR 3/1	100					SiL	
10-17	10YR 3/1	80	10YR 3/6	20	С	М	SiCL	
17-20	10YR 4/2	80	10YR 3/6	20	С	М	SiCL	
	<u> </u>							
			· · · · · · · · · · · · · · · · · · ·				· · · · · · · · · · · · · · · · · · ·	
			·				·	
			·				·	
iven: C-Concentr	ation D-Doplet	ion PM-Rodu		overed or Coated	Sand Grains	² Location: PL	=Pore Lining, M=Matrix	
/dric Soil Indicate					Sanu Grains.		or Problematic Hydri	-
							-	c 3013 .
Histosol (A1)			Sandy Redo	. ,			ick (A10)	
Histic Epipedon			Stripped Mat	()			ent Material (TF2)	
Black Histic (A3	,			xy Mineral (F1) (exc	CEPT MLRA 1)		allow Dark Surface (TF	-12)
Hydrogen Sulfic	. ,			ed Matrix (F2)		Other (E	xplain in Remarks)	
Depleted Below	v Dark Surface	(A11)	Depleted Ma	ttrix (F3)		3		
Thick Dark Surf	face (A12)		Redox Dark	Surface (F6)		~Indicators o	f hydrophytic vegetatio	on and
Sandy Mucky M	/lineral (S1)		Depleted Da	rk Surface (F7)		wetland hy	drology must be prese	ent,
Sandy Gleyed N	Matrix (S4)		Redox Depre	essions (F8)		unless dis	turbed or problematic.	
Type: Depth (inches): emarks: S = oo deep for F6.	= sand; Si = silt;	_ C = clay; L =	loam or loamy; co	= coarse; f = fine;		l ydric Soil Pre = heavy (more	sent? Yes clay); - = light (less cla	No X
Type: Depth (inches): emarks: S = oo deep for F6.		_ C = clay; L =	loam or loamy; co	= coarse; f = fine;		•		
Type: Depth (inches): emarks: S = too deep for F6.	y Indicators:			e = coarse; f = fine;		= heavy (more		ay)
Type: Depth (inches): emarks: S = bo deep for F6. YDROLOGY /etland Hydrology	y Indicators:		eck all that apply)	ed Leaves (B9) (ex	vf = very fine; +	= heavy (more	clay); - = light (less cla	ay) equired)
Type: Depth (inches): emarks: S = oo deep for F6. IYDROLOGY /etland Hydrology rimary Indicators (r	y Indicators: minimum of one (A1)		eck all that apply)	ed Leaves (B9) (ex	vf = very fine; +	= heavy (more Secondary I	clay); - = light (less cla ndicators (2 or more re	ay) equired)
Type: Depth (inches): emarks: S = oo deep for F6. IYDROLOGY /etland Hydrology rimary Indicators (r Surface Water (y Indicators: minimum of one (A1) ble (A2)		eck all that apply)Water-Staine	ed Leaves (B9) (ex and 4B)	vf = very fine; +	= heavy (more Secondary I Water-S 4A, a	clay); - = light (less cla ndicators (2 or more re tained Leaves (B9) (M	ay) equired)
Type: Depth (inches): emarks: S = oo deep for F6. IYDROLOGY /etland Hydrology rimary Indicators (r Surface Water (High Water Tab	y Indicators: minimum of one (A1) ble (A2)		eck all that apply) Water-Staine 1, 2, 4A, a Salt Crust (B	ed Leaves (B9) (ex and 4B)	vf = very fine; +	= heavy (more <u>Secondary I</u> Water-S Drainag	clay); - = light (less cla ndicators (2 or more re tained Leaves (B9) (M nd 4B)	ay) equired)
Type: Depth (inches): emarks: S = oo deep for F6. IYDROLOGY /etland Hydrology rimary Indicators (r 	y Indicators: minimum of one (A1) ble (A2) 31)		water-Staine Uater-Staine 1, 2, 4A, a Salt Crust (B Aquatic Inve	ed Leaves (B9) (ex and 4B) 311)	vf = very fine; +	= heavy (more <u>Secondary I</u> Water-S 4A, ar Drainag Dry-Sea	clay); - = light (less cla ndicators (2 or more re tained Leaves (B9) (M nd 4B) e Patterns (B10)	ay) equired) ILRA 1, 2,
Type: Depth (inches): emarks: S = oo deep for F6. IYDROLOGY /etland Hydrology rimary Indicators (r Surface Water (High Water Tab Saturation (A3) Water Marks (B	y Indicators: minimum of one (A1) ble (A2) 31) osits (B2)		eck all that apply) Water-Staine 1, 2, 4A, a Salt Crust (B Aquatic Inve Hydrogen Su	ed Leaves (B9) (ex and 4B) 811) rtebrates (B13)	vf = very fine; +	= heavy (more <u>Secondary I</u> Water-S 4A, a Drainag Dry-Sea Saturatio	clay); - = light (less cla ndicators (2 or more re tained Leaves (B9) (M nd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Im	ay) equired) ILRA 1, 2,
Type: Depth (inches): emarks: S = oo deep for F6. IYDROLOGY /etland Hydrology rimary Indicators (r Surface Water (High Water Tab Saturation (A3) Water Marks (B Sediment Depo Drift Deposits (B	y Indicators: minimum of one (A1) ble (A2) 31) Sits (B2) B3)		eck all that apply) Water-Staine 1, 2, 4A, a Salt Crust (B Aquatic Inve Hydrogen Su Oxidized Rhi	ed Leaves (B9) (ex and 4B) 811) rtebrates (B13) ulfide Odor (C1) izospheres along L	vf = very fine; +	= heavy (more <u>Secondary I</u> <u>Water-S</u> <u>4A, ar</u> <u>Drainag</u> <u>Dry-Sea</u> <u>Saturatio</u> <u>Geomor</u>	clay); - = light (less cla ndicators (2 or more re tained Leaves (B9) (M nd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Im phic Position (D2)	ay) equired) ILRA 1, 2,
Type: Depth (inches): emarks: S = oo deep for F6. IYDROLOGY /etland Hydrology rimary Indicators (r Surface Water (High Water Tab Saturation (A3) Water Marks (B Sediment Depo Drift Deposits (B Algal Mat or Cru	y Indicators: minimum of one (A1) ble (A2) 31) osits (B2) B3) ust (B4)		Water-Staine Water-Staine 1, 2, 4A, a Salt Crust (B Aquatic Inve Hydrogen Su Oxidized Rhi Presence of	ed Leaves (B9) (ex and 4B) 311) rtebrates (B13) ulfide Odor (C1) izospheres along L Reduced Iron (C4)	vf = very fine; + ccept MLRA	= heavy (more <u>Secondary I</u> Water-S 4A, a Drainag Dry-Sea Saturatio Geomor Shallow	clay); - = light (less cla ndicators (2 or more re tained Leaves (B9) (M nd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Im phic Position (D2) Aquitard (D3)	ay) equired) ILRA 1, 2,
Type: Depth (inches): emarks: S = oo deep for F6. IYDROLOGY /etland Hydrology rimary Indicators (r Surface Water (High Water Tab Saturation (A3) Water Marks (B Sediment Depo Drift Deposits (E Algal Mat or Cru Iron Deposits (E	y Indicators: minimum of one (A1) ble (A2) 31) osits (B2) B3) ust (B4) B5)	-	eck all that apply) Water-Staine 1, 2, 4A, a Salt Crust (B Aquatic Inve Hydrogen Su Oxidized Rhi Presence of Recent Iron	ed Leaves (B9) (ex and 4B) 311) rtebrates (B13) ulfide Odor (C1) izospheres along L Reduced Iron (C4) Reduction in Tilled	vf = very fine; + ccept MLRA iving Roots (C3) Soils (C6)	= heavy (more <u>Secondary I</u> Water-S 4A, a Drainag Dry-Sea Saturatio Geomor Shallow FAC-Ne	clay); - = light (less cla ndicators (2 or more re tained Leaves (B9) (M nd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Im phic Position (D2) Aquitard (D3) utral Test (D5)	ay) equired) ILRA 1, 2, agery (C9)
Type: Depth (inches): emarks: S = oo deep for F6. IYDROLOGY /etland Hydrology rimary Indicators (r Surface Water (High Water Tab Saturation (A3) Water Marks (B Sediment Depo Drift Deposits (E Algal Mat or Cru Iron Deposits (E Surface Soil Cra	y Indicators: minimum of one (A1) ble (A2) 31) osits (B2) B3) ust (B4) B5) racks (B6)	e required; che	CK all that apply) Water-Staine 1, 2, 4A, a Salt Crust (B Aquatic Inve Hydrogen Su Oxidized Rhi Presence of Recent Iron Stunted or S	ed Leaves (B9) (ex and 4B) 311) rtebrates (B13) ulfide Odor (C1) izospheres along L Reduced Iron (C4) Reduction in Tilled tressed Plants (D1	vf = very fine; + ccept MLRA iving Roots (C3) Soils (C6)	= heavy (more <u>Secondary I</u> Water-S 4A , ar Drainag Dry-Sea Saturatio Geomor Shallow FAC-Ne Raised /	clay); - = light (less cla ndicators (2 or more re tained Leaves (B9) (M n d 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Im phic Position (D2) Aquitard (D3) utral Test (D5) Ant Mounds (D6) (LRR	ay) equired) ILRA 1, 2, agery (C9)
Type: Depth (inches): emarks: S = oo deep for F6. IYDROLOGY /etland Hydrology rimary Indicators (r Surface Water (High Water Tab Saturation (A3) Water Marks (B Sediment Depo Drift Deposits (B Algal Mat or Cru Iron Deposits (E Surface Soil Cra Inundation Visit	y Indicators: minimum of one (A1) ble (A2) 31) osits (B2) B3) ust (B4) B5) racks (B6) ble on Aerial Im-	e required; che	CK all that apply) Water-Staine 1, 2, 4A, a Salt Crust (B Aquatic Inve Hydrogen Su Oxidized Rhi Presence of Recent Iron Stunted or S	ed Leaves (B9) (ex and 4B) 311) rtebrates (B13) ulfide Odor (C1) izospheres along L Reduced Iron (C4) Reduction in Tilled	vf = very fine; + ccept MLRA iving Roots (C3) Soils (C6)	= heavy (more <u>Secondary I</u> Water-S 4A , ar Drainag Dry-Sea Saturatio Geomor Shallow FAC-Ne Raised /	clay); - = light (less cla ndicators (2 or more re tained Leaves (B9) (M nd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Im phic Position (D2) Aquitard (D3) utral Test (D5)	ay) equired) ILRA 1, 2, agery (C9)
Type: Depth (inches): emarks: S = oo deep for F6. IYDROLOGY /etland Hydrology rimary Indicators (r Surface Water (A) High Water Tab Saturation (A3) Water Marks (B Sediment Depo Drift Deposits (E Algal Mat or Cru Iron Deposits (E Surface Soil Cra Inundation Visiti Sparsely Vegeta	y Indicators: minimum of one (A1) ble (A2) 31) osits (B2) B3) ust (B4) B5) racks (B6) ble on Aerial Im- tated Concave S	e required; che	CK all that apply) Water-Staine 1, 2, 4A, a Salt Crust (B Aquatic Inve Hydrogen Su Oxidized Rhi Presence of Recent Iron Stunted or S	ed Leaves (B9) (ex and 4B) 311) rtebrates (B13) ulfide Odor (C1) izospheres along L Reduced Iron (C4) Reduction in Tilled tressed Plants (D1	vf = very fine; + ccept MLRA iving Roots (C3) Soils (C6)	= heavy (more <u>Secondary I</u> Water-S 4A , ar Drainag Dry-Sea Saturatio Geomor Shallow FAC-Ne Raised /	clay); - = light (less cla ndicators (2 or more re tained Leaves (B9) (M n d 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Im phic Position (D2) Aquitard (D3) utral Test (D5) Ant Mounds (D6) (LRR	ay) equired) ILRA 1, 2, agery (C9)
Type: Depth (inches): emarks: S = oo deep for F6. IYDROLOGY /etland Hydrology rimary Indicators (r Surface Water (a High Water Tab Saturation (A3) Water Marks (B Sediment Depo Drift Deposits (B Algal Mat or Cru Iron Deposits (E Surface Soil Cra Inundation Visit Sparsely Vegeta	y Indicators: minimum of one (A1) ble (A2) 31) osits (B2) B3) ust (B4) B5) racks (B6) ble on Aerial Im- tated Concave S s:	e required; che agery (B7) Surface (B8)	CK all that apply) Water-Staine 1, 2, 4A, a Salt Crust (B Aquatic Inve Hydrogen Su Oxidized Rhi Presence of Recent Iron Stunted or S Other (Expla	ed Leaves (B9) (ex and 4B) 311) rtebrates (B13) ulfide Odor (C1) izospheres along L Reduced Iron (C4) Reduction in Tilled tressed Plants (D1 in in Remarks)	vf = very fine; + ccept MLRA iving Roots (C3) Soils (C6)) (LRR A)	= heavy (more <u>Secondary I</u> Water-S 4A , ar Drainag Dry-Sea Saturatio Geomor Shallow FAC-Ne Raised /	clay); - = light (less cla ndicators (2 or more re tained Leaves (B9) (M n d 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Im phic Position (D2) Aquitard (D3) utral Test (D5) Ant Mounds (D6) (LRR	ay) equired) ILRA 1, 2, agery (C9)
Type: Depth (inches): emarks: S = oo deep for F6. IYDROLOGY /etland Hydrology rimary Indicators (r Surface Water Tab Saturation (A3) Water Marks (B Sediment Depo Drift Deposits (E Algal Mat or Cru Iron Deposits (E Surface Soil Cra Inundation Visib Sparsely Vegeta ield Observations	y Indicators: minimum of one (A1) ble (A2) 31) bits (B2) B3) ust (B4) B5) racks (B6) ble on Aerial Im- tated Concave S s: sent? Yes	e required; che agery (B7) Surface (B8)	water-Staine 1, 2, 4A, a Salt Crust (B Aquatic Inve Hydrogen Su Oxidized Rhi Presence of Recent Iron I Stunted or S Other (Expla	ed Leaves (B9) (ex and 4B) 311) rtebrates (B13) ulfide Odor (C1) izospheres along L Reduced Iron (C4) Reduction in Tilled tressed Plants (D1 in in Remarks) Depth (inches):	vf = very fine; +	= heavy (more <u>Secondary I</u> Water-S 4A, ai Dry-Sea Control Saturatio Geomor Shallow FAC-Ne Raised J Frost-He	clay); - = light (less cla ndicators (2 or more re tained Leaves (B9) (M nd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Im phic Position (D2) Aquitard (D3) utral Test (D5) Ant Mounds (D6) (LRR eave Hummocks (D7)	ay) equired) ILRA 1, 2, agery (C9)
Type: Depth (inches): Cemarks: S = oo deep for F6. IYDROLOGY Vetland Hydrology rimary Indicators (if Surface Water Tab Saturation (A3) Water Marks (B Sediment Depo Drift Deposits (B Algal Mat or Cru Iron Deposits (B Surface Soil Cra Inundation Visit Sparsely Vegeta Surface Water Press Nater Table Preser	y Indicators: minimum of one (A1) ble (A2) 31) bsits (B2) B3) ust (B4) B5) tacks (B6) ble on Aerial Im- tated Concave S s: sent? Yes	agery (B7) Surface (B8)	eck all that apply) Water-Staine 1, 2, 4A, a Salt Crust (B Aquatic Inve Hydrogen Su Oxidized Rhi Presence of Recent Iron I Stunted or S Other (Explain No X	ed Leaves (B9) (ex and 4B) 311) rtebrates (B13) ulfide Odor (C1) izospheres along L Reduced Iron (C4) Reduction in Tilled tressed Plants (D1 in in Remarks) Depth (inches): Depth (inches):	vf = very fine; +	= heavy (more <u>Secondary I</u> Water-S 4A, ai Dry-Sea Control Saturatio Geomor Shallow FAC-Ne Raised J Frost-He	clay); - = light (less cla ndicators (2 or more re- tained Leaves (B9) (M nd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Im phic Position (D2) Aquitard (D3) utral Test (D5) Ant Mounds (D6) (LRR eave Hummocks (D7) d Hydrology Present?	ay) equired) ILRA 1, 2, agery (C9)
Depth (inches): Temarks: S = Too deep for F6. TYDROLOGY Vetland Hydrology Primary Indicators (r Surface Water (c) High Water Tab Saturation (A3) Water Marks (B Sediment Depo Drift Deposits (E Algal Mat or Cru Iron Deposits (E Surface Soil Cra Inundation Visit	y Indicators: minimum of one (A1) ble (A2) 31) bsits (B2) B3) ust (B4) B5) acks (B6) ble on Aerial Im- tated Concave S s: sent? Yes nt? Yes	agery (B7) Surface (B8)	water-Staine 1, 2, 4A, a Salt Crust (B Aquatic Inve Hydrogen Su Oxidized Rhi Presence of Recent Iron I Stunted or S Other (Expla	ed Leaves (B9) (ex and 4B) 311) rtebrates (B13) ulfide Odor (C1) izospheres along L Reduced Iron (C4) Reduction in Tilled tressed Plants (D1 in in Remarks) Depth (inches):	vf = very fine; +	= heavy (more <u>Secondary I</u> Water-S 4A, ai Dry-Sea Control Saturatio Geomor Shallow FAC-Ne Raised J Frost-He	clay); - = light (less cla ndicators (2 or more re tained Leaves (B9) (M nd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Im phic Position (D2) Aquitard (D3) utral Test (D5) Ant Mounds (D6) (LRR eave Hummocks (D7)	ay) equired) ILRA 1, 2, agery (C9)

Project/Site:	Panzer Nursery (17	7980 SW Baseline Road)		City/County:	Beaverton		Sampling Da	te: 6/29/2022	2
Applicant/Owner:	Stanton Street E	Building Company LLC		_		State: OR	Samplin	g Point:	SP5
Investigator(s):	C. Mirth Walker			Section,	Township, Rang	e: 06BC, 1S, 1W			
Landform (hillslope	e, terrace, etc.):	Terrace		-	Local relief	(concave, convex, none):	Convex	Slope (%):	2
Subregion (LRR):	A, Northwest Fo	rests and Coasts	Lat:	45.513658	 Lon	g: -122.861870	Datu	m: NAD 198	3
Soil Map Unit Nar		erly silt loam, 0-3% slopes	(map unit)	2225A)	_	NWI d	classification:	None	
Are climatic / hyd	rologic conditions of	on the site typical for this t	ime of yea	r?	Ye	s X No	(If no, ex	plain in Rem	arks)
Are Vegetation	,Soil	, or Hydrold	ду	significantly of	disturbed? A	re "Normal Circumstand	ces" present?	Yes X	No
Are Vegetation	,Soil	, or Hydrold	ду	naturally prol	blematic? (I	lf needed, explain any a	nswers in Rem	narks.)	
SUMMARY O	F FINDINGS -	 Attach site map s 	howing	sampling	point location	ons, transects, im	portant fea	atures, et	с.
Hydrophytic Veg	etation Present?	Yes	No	X					
Hydric Soil Prese	ent?	Yes X	No		Is the Sampl	led Area			
Wetland Hydrolo	gy Present?	Yes	No	Х	within a Wet	land? Yes	No	Х	
Precipitation prior	to fieldwork:								
Remarks:									
E of nursery entra	ance. S of W Base	line Street. 21' feet E of si	gn and pov	ver pole. On to	op of mound.				
VEGETATION	N								
	-	Absol	ute	Dominant	Indicator	Dominance Test wo	rksheet.		
Tree Stratum	(Plot size: <u>30</u>			Species?	Status	Number of Dominant			
1.		<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>		<u>openeo 1</u>	<u></u>	That Are OBL, FACW		1	(A)
2.						That Are ODE, I ACK	, or i AC.		(~)
3.						TIM			
4.						Total Number of Dom			(5)
···						Species Across All St	trata:	2	(B)
Sapling/Shrub Str	ratum (Plot	size:10' r)	= Tota	al Cover			. .		
		size. <u>101</u>)				Percent of Dominant		500/	
1.						That Are OBL, FACW	/, or FAC:	<u>50%</u>	(A/B)
2.						Prevalence Index w			
3.						Total % Cover o	f: <u>Multiply I</u>	<u>)ÿ:</u>	—
4						·	0 x 1 =	0	
5.						·) x 2 =	0	
		0%	= Tota	al Cover		FAC species 7	<u>0</u> x 3 =	210	
Herb Stratum	(Plot size: <u>5' r</u>)				FACU species 3	0 x 4 =	120	
1. <u>Poa annua</u>		60%	6	Yes	FAC	UPL species) x 5 =	0	
2. Hypochaeris	radicata	20%	6	Yes	FACU	Column Totals: 10	(A) 00	330	(B)
3. <u>Trifolium rep</u>	ens	10%	6	No	FAC	Prevalence Inde	x = B/A =	<u>3.30</u>	
4. Trifolium dub	bium	10%	6	No	FACU	Hydrophytic Vegeta	tion Indicato	's:	
5.						1 - Rapid Test for	r Hydrophytic '	Vegetation	
6.						2 - Dominance T	est is >50%		
7.						3 - Prevalence In	dex is ≤3.0 ¹		
8.						4 - Morphological	Adaptations ¹	(Provide sur	oporting
9.						data in Remar	ks or on a sep	parate sheet)	
10.						5 - Wetland Non-	Vascular Plan	ts ¹	
11.						Problematic Hydr			in)
· · · ·		100		al Cover		¹ Indicators of hydric s			
Woody Vine Strat	tum (Plot	size: <u>10' r</u>)	/6 = 1018			be present.		u nyurology i	nust
1.	·					20 p. 900 m.			
2.						Hydrophytic			
		0%	= Tota	al Cover		Vegetation	Yes	No <u>X</u>	_
% Bare Ground ir	n Herb Stratum	0%	-			Present?			
Remarks:						Entered	d by: KS	QC by: cmw	v

Near purple plum. Landscape berm with sod plastic at 4" bgs. Mowed.

		/latrix		Redox F	cataros		•	
(inches)	Color (moist) %	Color (mois	st) %	Type ¹	Loc ²	Texture	Remark
0-7+	10YR 3/2	90	7.5YR 4/	6 10	С	М	SiL	fill
		_						
		_						_
		_						
							·	
	ntration D-Do	lation PM-Ba		Covered or Coated S	Sand Craina		Doro Lining M-Motr	
•			s, unless otherw		Sanu Grains.		=Pore Lining, M=Matr or Problematic Hydi	-
Histosol (A1)			Sandy Red				ıck (A10)	
Histic Epipede	don (A2)		Stripped Ma	. ,			ent Material (TF2)	
Black Histic ((A3)		Loamy Muc	cky Mineral (F1) (exc	cept MLRA 1)	Very Sh	allow Dark Surface (T	F12)
Hydrogen Sul	ulfide (A4)		Loamy Gle	yed Matrix (F2)		Other (E	xplain in Remarks)	
Depleted Belo	low Dark Surfa	ce (A11)	Depleted N	latrix (F3)				
Thick Dark Su	Surface (A12)		X Redox Darl	k Surface (F6)		³ Indicators o	f hydrophytic vegetat	ion and
Sandy Mucky	y Mineral (S1)		Depleted D	ark Surface (F7)		wetland hy	drology must be pres	sent,
Sandy Gleyed	d Matrix (S4)		Redox Dep	ressions (F8)		unless dist	urbed or problematic	
Type: Depth (inches): emarks: S ngular gravel fill.	S = sand; Si = s l. Sod plastic gr		= loam or loamy; c	- :o = coarse; f = fine;		ydric Soil Pre = heavy (more	sent? Yes X clay); - = light (less c	
Type: Depth (inches): emarks: S ngular gravel fill. IYDROLOGY Vetland Hydrolo	S = sand; Si = s . Sod plastic gr Y ogy Indicators	id at 4" bgs.				•		
Type: Depth (inches): emarks: S ngular gravel fill. YDROLOGY etland Hydrolo	S = sand; Si = s . Sod plastic gr Y ogy Indicators	id at 4" bgs.	= loam or loamy; c neck all that apply			= heavy (more		lay)
Type: Depth (inches): emarks: S ngular gravel fill. YDROLOGY etland Hydrolo	S = sand; Si = s Sod plastic gr Y ogy Indicators s (minimum of	id at 4" bgs.	neck all that apply		vf = very fine; + :	= heavy (more	clay); - = light (less c	lay) required)
Type: Depth (inches): emarks: S gular gravel fill. YDROLOGY etland Hydrolo imary Indicators	S = sand; Si = s S. Sod plastic gr Y ogy Indicators s (minimum of er (A1)	id at 4" bgs.	neck all that apply) ned Leaves (B9) (ex	vf = very fine; + :	= heavy (more Secondary li	clay); - = light (less c	lay) required)
Type: Depth (inches): emarks: S ngular gravel fill. YDROLOGY etland Hydrolo imary Indicators Surface Wate	S = sand; Si = s S = sand; Si = s Sod plastic gr Y Dgy Indicators s (minimum of er (A1) Fable (A2)	id at 4" bgs.	neck all that apply) ned Leaves (B9) (ex and 4B)	vf = very fine; + :	= heavy (more Secondary li Water-S 4A, ar	clay); - = light (less c ndicators (2 or more r tained Leaves (B9) (l	lay) required)
Type: Depth (inches): emarks: S emarks: S YDROLOGY etland Hydrolo imary Indicators Surface Wate High Water T	S = sand; Si = s S = sand; Si = s Sod plastic gr Y Dogy Indicators s (minimum of er (A1) Fable (A2) V3)	id at 4" bgs.	neck all that apply Water-Stain 1, 2, 4A, Salt Crust () ned Leaves (B9) (ex and 4B)	vf = very fine; + :	= heavy (more <u>Secondary II</u> Water-S Drainag	clay); - = light (less c ndicators (2 or more r tained Leaves (B9) (I nd 4B)	lay) required) MLRA 1, 2,
Type: Depth (inches): emarks: S ngular gravel fill. YDROLOGY etland Hydrolo imary Indicators Surface Wate High Water T Saturation (A:	S = sand; Si = s S. Sod plastic gr Y ogy Indicators s (minimum of er (A1) Table (A2) \(3) ; (B1)	id at 4" bgs.	heck all that apply Water-Stain 1, 2, 4A, Salt Crust (Aquatic Inv) ned Leaves (B9) (ex and 4B) [B11)	vf = very fine; + :	= heavy (more Secondary II Water-S 4A, at Drainag	clay); - = light (less c ndicators (2 or more r tained Leaves (B9) (I nd 4B) e Patterns (B10)	lay) required) MLRA 1, 2,
Type: Depth (inches): emarks: S ngular gravel fill. YDROLOGY etland Hydrolo imary Indicators Surface Wate High Water T Saturation (A: Water Marks	S = sand; Si = s S = sand; Si = s Sod plastic gr Y Dgy Indicators s (minimum of er (A1) Table (A2) (A3) s (B1) eposits (B2)	id at 4" bgs.	heck all that apply Water-Stain 1, 2, 4A, Salt Crust (Aquatic Inv Hydrogen S) ned Leaves (B9) (ex and 4B) (B11) ertebrates (B13)	vf = very fine; + =	= heavy (more <u>Secondary I</u> Water-S 4A, ar Drainage Dry-Sea Saturatio	clay); - = light (less c ndicators (2 or more r tained Leaves (B9) (I nd 4B) e Patterns (B10) son Water Table (C2	lay) required) MLRA 1, 2,
Type: Depth (inches): emarks: S gular gravel fill. YDROLOGY etland Hydrolo imary Indicators Surface Wate High Water T Saturation (A: Water Marks Sediment Dep Drift Deposits	S = sand; Si = s S = sand; Si = s S od plastic gr Y ogy Indicators s (minimum of er (A1) Table (A2) (A3) (B1) eposits (B2) s (B3)	id at 4" bgs.	heck all that apply Water-Stain 1, 2, 4A, Salt Crust (Aquatic Inv Hydrogen S Oxidized R) ned Leaves (B9) (ex and 4B) (B11) ertebrates (B13) Sulfide Odor (C1)	vf = very fine; + :	= heavy (more <u>Secondary II</u> Water-S 4A, ai Drainage Dry-Sea Saturatio Geomor	clay); - = light (less c ndicators (2 or more n tained Leaves (B9) (I nd 4B) e Patterns (B10) son Water Table (C2 on Visible on Aerial In phic Position (D2)	lay) required) MLRA 1, 2,
Type: Depth (inches): emarks: S ngular gravel fill. YDROLOGY etland Hydrolo imary Indicators Surface Wate High Water T Saturation (A: Water Marks Sediment Dep Drift Deposits Algal Mat or C	S = sand; Si = s S = sand; Si = s S d plastic gr Y ogy Indicators s (minimum of er (A1) Fable (A2) (A3) s (B1) eposits (B2) s (B3) Crust (B4)	id at 4" bgs.	meck all that apply Water-Stain 1, 2, 4A , Salt Crust (Aquatic Inv Hydrogen S Oxidized R Presence c) ned Leaves (B9) (ex and 4B) (B11) ertebrates (B13) Sulfide Odor (C1) hizospheres along L of Reduced Iron (C4)	vf = very fine; + = ccept MLRA	= heavy (more <u>Secondary II</u> Water-S 4A, a Drainage Dry-Sea Saturatio Geomor Shallow	clay); - = light (less c ndicators (2 or more r tained Leaves (B9) (1 nd 4B) e Patterns (B10) son Water Table (C2 on Visible on Aerial In phic Position (D2) Aquitard (D3)	lay) required) MLRA 1, 2,
Type: Depth (inches): emarks: S ngular gravel fill. YDROLOGY etland Hydrolo rimary Indicators Surface Wate High Water T Saturation (A: Water Marks Sediment Dep Drift Deposits Algal Mat or C Iron Deposits	S = sand; Si = s S = sand; Si = s S d plastic gr Y Dgy Indicators s (minimum of er (A1) Table (A2) (A3) cr (A1) Table (A2) (A3) cr (A1) Table (A2) (A3) cr (A1) Crust (B2) s (B3) Crust (B4) s (B5)	id at 4" bgs.	water-Stain Water-Stain 1, 2, 4A, Salt Crust (Aquatic Inv Hydrogen S Oxidized R Presence c Recent Iror) and 4B) (B11) ertebrates (B13) Sulfide Odor (C1) hizospheres along L of Reduced Iron (C4) n Reduction in Tilled	vf = very fine; + = ccept MLRA iving Roots (C3) Soils (C6)	= heavy (more <u>Secondary II</u> Water-S 4A, a Drainage Dry-Sea Saturatio Geomor Shallow FAC-Ne	clay); - = light (less c ndicators (2 or more r tained Leaves (B9) (1 nd 4B) e Patterns (B10) son Water Table (C2 on Visible on Aerial In phic Position (D2) Aquitard (D3) utral Test (D5)	lay) <u>required)</u> MLRA 1, 2,) nagery (C9)
Type: Depth (inches): emarks: S ngular gravel fill. YDROLOGY etland Hydrolo imary Indicators Surface Wate High Water T Saturation (A: Water Marks Sediment Dep Drift Deposits Algal Mat or C Iron Deposits Surface Soil C	S = sand; Si = s S = sand; Si = s S = sand; Si = s S d plastic gr Y Dogy Indicators s (minimum of er (A1) Table (A2) A3) (B1) eposits (B2) s (B3) Crust (B4) s (B5) Cracks (B6)	id at 4" bgs.	Mater-Stain Water-Stain 1, 2, 4A, Salt Crust (Aquatic Inv Hydrogen S Oxidized Ri Presence o Recent Iror Stunted or) ned Leaves (B9) (ex and 4B) (B11) ertebrates (B13) Sulfide Odor (C1) hizospheres along L of Reduced Iron (C4) n Reduction in Tilled Stressed Plants (D1	vf = very fine; + = ccept MLRA iving Roots (C3) Soils (C6)	= heavy (more <u>Secondary II</u> Water-S 4A, ar Drainage Dry-Sea Saturatio Geomor Shallow FAC-Ne Raised /	clay); - = light (less c ndicators (2 or more n tained Leaves (B9) (I nd 4B) e Patterns (B10) son Water Table (C2 on Visible on Aerial In phic Position (D2) Aquitard (D3) utral Test (D5) Ant Mounds (D6) (LR	lay) required) MLRA 1, 2,) nagery (C9) R A)
Type: Depth (inches): emarks: S agular gravel fill. YDROLOGY etland Hydrolo imary Indicators Surface Wate High Water T Saturation (A: Water Marks Sediment Dep Drift Deposits Algal Mat or C Iron Deposits Surface Soil C Inundation Vis	S = sand; Si = s S. Sod plastic gr Y bgy Indicators s (minimum of er (A1) Fable (A2) \3) 6 (B1) posits (B2) s (B3) Crust (B4) s (B5) Cracks (B6) isible on Aerial	Imagery (B7)	Mater-Stain Water-Stain 1, 2, 4A, Salt Crust (Aquatic Inv Hydrogen S Oxidized Ri Presence o Recent Iror Stunted or) and 4B) (B11) ertebrates (B13) Sulfide Odor (C1) hizospheres along L of Reduced Iron (C4) n Reduction in Tilled	vf = very fine; + = ccept MLRA iving Roots (C3) Soils (C6)	= heavy (more <u>Secondary II</u> Water-S 4A, ar Drainage Dry-Sea Saturatio Geomor Shallow FAC-Ne Raised /	clay); - = light (less c ndicators (2 or more r tained Leaves (B9) (1 nd 4B) e Patterns (B10) son Water Table (C2 on Visible on Aerial In phic Position (D2) Aquitard (D3) utral Test (D5)	lay) required) MLRA 1, 2,) nagery (C9) R A)
Type: Depth (inches): emarks: S ngular gravel fill. YDROLOGY etland Hydrolo imary Indicators Surface Wate High Water T Saturation (A: Water Marks Sediment Dep Drift Deposits Algal Mat or C Iron Deposits Surface Soil C Inundation Vis Sparsely Veg	S = sand; Si = s S = sand; Si = s S od plastic gr Y ogy Indicators s (minimum of er (A1) Table (A2) (A3) G(B1) oposits (B2) s (B3) Crust (B4) s (B5) Cracks (B6) isible on Aerial getated Concav	Imagery (B7)	Mater-Stain Water-Stain 1, 2, 4A, Salt Crust (Aquatic Inv Hydrogen S Oxidized Ri Presence o Recent Iror Stunted or) ned Leaves (B9) (ex and 4B) (B11) ertebrates (B13) Sulfide Odor (C1) hizospheres along L of Reduced Iron (C4) n Reduction in Tilled Stressed Plants (D1	vf = very fine; + = ccept MLRA iving Roots (C3) Soils (C6)	= heavy (more <u>Secondary II</u> Water-S 4A, ar Drainage Dry-Sea Saturatio Geomor Shallow FAC-Ne Raised /	clay); - = light (less c ndicators (2 or more n tained Leaves (B9) (I nd 4B) e Patterns (B10) son Water Table (C2 on Visible on Aerial In phic Position (D2) Aquitard (D3) utral Test (D5) Ant Mounds (D6) (LR	lay) required) MLRA 1, 2,) nagery (C9) R A)
Type: Depth (inches): emarks: S ngular gravel fill. YDROLOGY etland Hydrolo imary Indicators Surface Wate High Water T Saturation (A: Water Marks Sediment Dep Drift Deposits Algal Mat or C Iron Deposits Surface Soil C Inundation Vis Sparsely Veg eld Observation	S = sand; Si = s S = sand; Si = s S of plastic gr y ogy Indicators s (minimum of er (A1) Table (A2) (A3) cr (A1) cr (A2) (A3) cr (A1) cr (A1) cr (A1) cr (A1) cr (A1) cr (A2) cr (A1) cr (A1) cr (A2) cr (A2) cr (A1) cr (A2) cr (A1) cr (A2) cr (A1) cr (A2) cr (A1) cr (A2) cr (A2) cr (A2) cr (A2) cr (A2) cr (A2) cr (A2) cr (A3) cr (A2) cr (A2) cr (A3) cr (A2) cr (A3) cr (A2) cr (A3) cr (A3)	Imagery (B7) e Surface (B8)	meck all that apply Water-Stain 1, 2, 4A, Salt Crust (Aquatic Inv Hydrogen S Oxidized R Presence c Recent Iror Stunted or Other (Expl) and 4B) (B11) ertebrates (B13) Sulfide Odor (C1) hizospheres along L of Reduced Iron (C4) the Reduction in Tilled Stressed Plants (D1 lain in Remarks)	vf = very fine; + = ccept MLRA iving Roots (C3) Soils (C6)) (LRR A)	= heavy (more <u>Secondary II</u> Water-S 4A, ar Drainage Dry-Sea Saturatio Geomor Shallow FAC-Ne Raised /	clay); - = light (less c ndicators (2 or more n tained Leaves (B9) (I nd 4B) e Patterns (B10) son Water Table (C2 on Visible on Aerial In phic Position (D2) Aquitard (D3) utral Test (D5) Ant Mounds (D6) (LR	lay) required) MLRA 1, 2,) nagery (C9) R A)
Type: Depth (inches): emarks: S ngular gravel fill. IYDROLOGY /etland Hydrolo rimary Indicators Surface Water High Water T Saturation (A: Water Marks Sediment Dep Drift Deposits Algal Mat or C Iron Deposits Surface Soil C Inundation Vis Sparsely Veg ield Observation	S = sand; Si = s S = sand; Si = s Sod plastic gr Y ogy Indicators s (minimum of er (A1) Fable (A2) A3) 5 (B1) posits (B2) s (B3) Crust (B4) s (B5) Cracks (B6) isible on Aerial getated Concav ons: resent?	Imagery (B7) e Surface (B8)	Mater-Stain Water-Stain 1, 2, 4A, Salt Crust (Aquatic Inv Hydrogen S Oxidized Ri Presence of Recent Iror Stunted or Other (Expl No X) ned Leaves (B9) (ex and 4B) (B11) ertebrates (B13) Sulfide Odor (C1) hizospheres along L of Reduced Iron (C4) f Reduced Iron (C4) n Reduction in Tilled Stressed Plants (D1 lain in Remarks)	vf = very fine; + =	= heavy (more <u>Secondary II</u> Water-S 4A, ai Dry-Sea Dry-Sea Saturatio Geomor Shallow FAC-Ne Raised / Frost-He	clay); - = light (less cl ndicators (2 or more r tained Leaves (B9) (1 nd 4B) e Patterns (B10) son Water Table (C2 on Visible on Aerial In phic Position (D2) Aquitard (D3) utral Test (D5) Ant Mounds (D6) (LR eave Hummocks (D7)	lay) required) MLRA 1, 2,) nagery (C9) R A))
Type: Depth (inches): emarks: S ngular gravel fill. YDROLOGY /etland Hydrolo rimary Indicators Surface Water High Water T Saturation (A Water Marks Sediment Dep Nater Marks Sediment Dep Nater Marks Sediment Dep Nater Marks Sediment Dep Nater Marks Sediment Dep Nater Marks Surface Soil (C Nater Soil (C 	S = sand; Si = s S = sand; Si = s Sod plastic gr Y ogy Indicators s (minimum of er (A1) Table (A2) (A3) G (B1) aposits (B2) s (B3) Crust (B4) s (B5) Cracks (B6) isible on Aerial getated Concav ons: resent?	Imagery (B7) e Surface (B8) Yes	Mater-Stain Water-Stain 1, 2, 4A, Salt Crust (Aquatic Inv Hydrogen S Oxidized Ri Presence of Recent Iror Stunted or Other (Expl No X) ned Leaves (B9) (ex and 4B) B11) ertebrates (B13) Sulfide Odor (C1) hizospheres along L of Reduced Iron (C4) the Reduction in Tilled Stressed Plants (D1 lain in Remarks) Depth (inches): Depth (inches):	vf = very fine; + : ccept MLRA iving Roots (C3) Soils (C6)) (LRR A)	= heavy (more <u>Secondary II</u> Water-S 4A, ai Dry-Sea Dry-Sea Saturatio Geomor Shallow FAC-Ne Raised / Frost-He	clay); - = light (less c ndicators (2 or more r tained Leaves (B9) (I nd 4B) e Patterns (B10) son Water Table (C2 on Visible on Aerial In phic Position (D2) Aquitard (D3) utral Test (D5) Ant Mounds (D6) (LR eave Hummocks (D7) I Hydrology Present	Iay) required) MLRA 1, 2,) nagery (C9) R A))
Depth (inches): emarks: S ngular gravel fill. IYDROLOGY /etland Hydrolo rimary Indicators 	S = sand; Si = s S = sand; Si = s Sod plastic gr y gy Indicators s (minimum of er (A1) Table (A2) (3) G (B1) posits (B2) s (B3) Crust (B4) s (B5) Cracks (B6) isible on Aerial getated Concav ons: resent? sent?	Imagery (B7) e Surface (B8)	Mater-Stain Water-Stain 1, 2, 4A, Salt Crust (Aquatic Inv Hydrogen S Oxidized R Presence of Recent Iror Stunted or Other (Expl No X) ned Leaves (B9) (ex and 4B) (B11) ertebrates (B13) Sulfide Odor (C1) hizospheres along L of Reduced Iron (C4) f Reduced Iron (C4) n Reduction in Tilled Stressed Plants (D1 lain in Remarks)	vf = very fine; + : ccept MLRA iving Roots (C3) Soils (C6)) (LRR A)	= heavy (more <u>Secondary II</u> Water-S 4A, ai Dry-Sea Dry-Sea Saturatio Geomor Shallow FAC-Ne Raised / Frost-He	clay); - = light (less cl ndicators (2 or more r tained Leaves (B9) (1 nd 4B) e Patterns (B10) son Water Table (C2 on Visible on Aerial In phic Position (D2) Aquitard (D3) utral Test (D5) Ant Mounds (D6) (LR eave Hummocks (D7)	lay) required) MLRA 1, 2,) nagery (C9) R A)

Project/Site:	Panzer Nursery (17980	SW Baseline Road)		City/County:	Beaverton		Sampling Dat	e: <u>7/6/2022</u>	
Applicant/Owner:	Stanton Street Buildir	ng Company LLC				State: OR	Sampling) Point:	SP6
Investigator(s):	Chris Moller, C. Mirth	Walker		Section,	Township, Rang	ge: 06BC, 1S, 1W			
Landform (hillslope	e, terrace, etc.): Terra	ace			Local relief	(concave, convex, none):	None	Slope (%):	: 1
Subregion (LRR):	: A, Northwest Forests	and Coasts	Lat:	45.511949	Lon	ng: -122.865124	Datur	m: <u>NAD 198</u>	33
Soil Map Unit Nar	me: Aloha Silt	Loam (Unit 1)	_			NWI c	classification: N	lone	
Are climatic / hyd	rologic conditions on the	e site typical for this time o	of year?	?	Ye	es <u>X</u> No	(If no, exp	plain in Rem	narks)
Are Vegetation	,Soil	, or Hydrology		significantly o		Are "Normal Circumstanc	es" present?	Yes X	No
Are Vegetation	,Soil	, or Hydrology		naturally prol		If needed, explain any ar		,	
		tach site map show			point locati	ons, transects, im	portant fea	itures, et	С.
Hydrophytic Veg		Yes	No_	X	la tha Cama				
Hydric Soil Prese		Yes X	No_	<u> </u>	Is the Samp	41a 10			
Wetland Hydrolo		Yes	No	X	within a We	tiand? Yes	No	<u>X</u>	
Precipitation prior Remarks: SW corner.	r to fieldwork:								
VEGETATION	N					-			
T		Absolute		Dominant	Indicator	Dominance Test wo			
Tree Stratum	(Plot size: <u>30' r</u>)	<u>% Cover</u>		Species?	Status	Number of Dominant	Species		
1. Fraxinus latit	folia	40%	-	Yes	FACW	That Are OBL, FACW	/, or FAC:	2	(A)
2. Quercus gar	ryana	40%	-	Yes	FACU				
3.			-			Total Number of Dom	linant		
4.			-			Species Across All St	rata:	4	(B)
			= Tota	Cover					
Sapling/Shrub Str	ratum (Plot size:	<u> 10' r </u>)				Percent of Dominant	Species		
1. Fraxinus latit	folia	30%	-	Yes	FACW	That Are OBL, FACW	/, or FAC:	<u>50%</u>	(A/B)
2. Rubus arme	niacus	10%	-	No	FAC	Prevalence Index we			
3. Rosa specie	s	5%	_	No	FAC ?	Total % Cover o	f: <u>Multiply b</u>	y:	
4. Prunus aviur	п	5%	_	No	FACU	· · ·) x 1 =	0	
5. Symphoricar	rpos albus	5%	_	No	FACU	FACW species 7	<u>0</u> x 2 =	140	
		55%	= Tota	Cover		FAC species 1	5 x 3 =	45	
Herb Stratum	(Plot size: <u>5' r</u>)					· · ·	50 x 4 =	600	
1.			_			UPL species () x 5 =	0	
2.			-			Column Totals: 23	35 (A)	785	(B)
3.			_			Prevalence Index	x = B/A =	<u>3.34</u>	
4.			-			Hydrophytic Vegeta	tion Indicator	S:	
5.			-			1 - Rapid Test for		'egetation	
6.			-			2 - Dominance Te	est is >50%		
7.			-			3 - Prevalence In	dex is ≤3.0 ¹		
8.			-			4 - Morphological	Adaptations ¹	(Provide sup	oporting
9.			_			data in Remar	ks or on a sep	arate sheet))
10.			_			5 - Wetland Non-	Vascular Plant	.s ¹	
11.			_			Problematic Hydr	ophytic Vegeta	ation ¹ (Expla	ain)
Woody Vine Strat	tum (Plot size:_		= Tota	Cover		¹ Indicators of hydric s be present.	oil and wetland	1 hydrology	must
1. Hedera helix				Yes	FACU	50 p.000m.			
2. Rubus ursinu		5%	-	No	FACU	Hydrophytic			
		100%	= Tota	Cover		Vegetation	Yes N	No <u>X</u>	_
% Bare Ground ir	n Herb Stratum	100%				Present?			
Remarks:						Entered	d by: KS	QC by: cmv	N

HEDHEL v. dissected leaf.

(inches) Color (moi 0-6 10YR 3/2 6-14 10YR 3/2 14-19 10YR 4/2	ist) %						
6-14 10YR 3/2		Color (moist)	%	Type ¹	Loc ²	Texture	Remark
	2					SiL	
14-19 10YR 4/2	2 90	10YR 4/6	10	С	М	SiL	
	2 85	10YR 4/6	15	С	М	SiL	
ype: C=Concentration, D=D	epletion, RM=R	educed Matrix CS=Cov	vered or Coated	Sand Grains.	² Location: PL:	=Pore Lining, M=Matrix	ά.
ydric Soil Indicators: (Appl	icable to all LR	Rs, unless otherwise	noted.)		Indicators f	or Problematic Hydrid	c Soils³:
Histosol (A1)		Sandy Redox ((S5)		2 cm Mu	ıck (A10)	
Histic Epipedon (A2)		Stripped Matrix	, ,			ent Material (TF2)	
Black Histic (A3)			Mineral (F1) (exc	cept MLRA 1)		allow Dark Surface (TF	-12)
Hydrogen Sulfide (A4)		Loamy Gleyed	Matrix (F2)			xplain in Remarks)	
Depleted Below Dark Surl	face (A11)	Depleted Matri				,	
Thick Dark Surface (A12)		X Redox Dark Su	· · ·		³ Indicators c	f hydrophytic vegetatio	n and
Sandy Mucky Mineral (S1		Depleted Dark	. ,		wetland h	drology must be prese	ent,
Sandy Gleyed Matrix (S4)	,	Redox Depres	. ,		-	turbed or problematic.	,
· · · ·	= silt; C = clay; L	. = loam or loamy; co =	coarse; f = fine;		ydric Soil Pre = heavy (more		No
Depth (inches): emarks: S = sand; Si =		. = loam or loamy; co =	coarse; f = fine;				
Depth (inches): emarks: S = sand; Si = IYDROLOGY /etland Hydrology Indicator	rs:		coarse; f = fine;		= heavy (more		y)
Depth (inches): emarks: S = sand; Si = IYDROLOGY /etland Hydrology Indicator	rs:	check all that apply)	coarse; f = fine; Leaves (B9) (ex	vf = very fine; + =	= heavy (more	clay); - = light (less cla	y)
Depth (inches): emarks: S = sand; Si = IYDROLOGY /etland Hydrology Indicator rimary Indicators (minimum c	rs:	check all that apply)	Leaves (B9) (ex	vf = very fine; + =	= heavy (more Secondary I	clay); - = light (less cla ndicators (2 or more re	y)
Depth (inches): emarks: S = sand; Si = IYDROLOGY fetland Hydrology Indicator rimary Indicators (minimum c Surface Water (A1)	rs:	check all that apply) Water-Stained	Leaves (B9) (ex d 4B)	vf = very fine; + =	= heavy (more Secondary I Water-S 4A, a	clay); - = light (less cla ndicators (2 or more re tained Leaves (B9) (M	y)
Depth (inches): emarks: S = sand; Si = IYDROLOGY /etland Hydrology Indicator rimary Indicators (minimum of Surface Water (A1) High Water Table (A2)	rs:	check all that apply) Water-Stained 1, 2, 4A, and	Leaves (B9) (ex d 4B) 1)	vf = very fine; + =	= heavy (more <u>Secondary I</u> Water-S Drainag	clay); - = light (less cla ndicators (2 or more re tained Leaves (B9) (M nd 4B)	y)
Depth (inches): emarks: S = sand; Si = IYDROLOGY /etland Hydrology Indicator rimary Indicators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3)	rs:	check all that apply) Water-Stained 1, 2, 4A, and Salt Crust (B1	Leaves (B9) (ex d 4B) 1) ebrates (B13)	vf = very fine; + =	= heavy (more <u>Secondary I</u> Water-S 4A, a Drainag Dry-Sea	clay); - = light (less cla ndicators (2 or more re tained Leaves (B9) (M nd 4B) e Patterns (B10)	y) rquired) LRA 1, 2,
Depth (inches): emarks: S = sand; Si = IYDROLOGY /etland Hydrology Indicator rimary Indicators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	rs:	<u>check all that apply)</u> Water-Stained 1, 2, 4A, and Salt Crust (B1 ² Aquatic Inverte Hydrogen Sulfi	Leaves (B9) (ex d 4B) 1) ebrates (B13)	vf = very fine; + =	= heavy (more <u>Secondary I</u> Water-S 4A, a Drainag Dry-Sea Saturati	clay); - = light (less cla ndicators (2 or more re tained Leaves (B9) (M nd 4B) e Patterns (B10) son Water Table (C2)	y) rquired) LRA 1, 2,
Depth (inches): emarks: S = sand; Si = IYDROLOGY /etland Hydrology Indicator rimary Indicators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	rs:	check all that apply) Water-Stained 1, 2, 4A, and Salt Crust (B1 ² Aquatic Inverte Hydrogen Sulfi Oxidized Rhizo	Leaves (B9) (ex d 4B) 1) ebrates (B13) ide Odor (C1)	vf = very fine; + =	= heavy (more <u>Secondary I</u> Water-S 4A, a Drainag Dry-Sea Saturati Geomor	clay); - = light (less cla ndicators (2 or more re tained Leaves (B9) (M nd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Ima	y) rquired) LRA 1, 2,
Depth (inches): temarks: S = sand; Si = IYDROLOGY Vetland Hydrology Indicator rimary Indicators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	rs:	<u>check all that apply)</u> Water-Stained 1, 2, 4A, and Salt Crust (B1 ² Aquatic Inverte Hydrogen Sulfi Oxidized Rhizc Presence of Re	Leaves (B9) (ex d 4B) 1) ebrates (B13) ide Odor (C1) ospheres along L	vf = very fine; + = ccept MLRA	= heavy (more <u>Secondary I</u> Water-S 4A, a Drainag Dry-Sea Saturatio Geomor Shallow	clay); - = light (less cla ndicators (2 or more re tained Leaves (B9) (M nd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Ima phic Position (D2)	y) rquired) LRA 1, 2,
Depth (inches): Temarks: S = sand; Si = IYDROLOGY Vetland Hydrology Indicator rimary Indicators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)	rs:	<u>check all that apply)</u> Water-Stained 1, 2, 4A, and Salt Crust (B1 ² Aquatic Inverte Hydrogen Sulfi Oxidized Rhizo Presence of Re Recent Iron Re	Leaves (B9) (ex d 4B) 1) ebrates (B13) ide Odor (C1) ospheres along L educed Iron (C4)	vf = very fine; + = ccept MLRA iving Roots (C3) Soils (C6)	= heavy (more <u>Secondary I</u> Water-S 4A, a Drainag Dry-Sea Saturatia Geomor Shallow FAC-Ne	clay); - = light (less cla ndicators (2 or more re tained Leaves (B9) (M nd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Ima phic Position (D2) Aquitard (D3)	y) equired) LRA 1, 2, agery (C9)
Depth (inches): emarks: S = sand; Si = IYDROLOGY /etland Hydrology Indicator rimary Indicators (minimum of 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)	rs: of one required;	<u>check all that apply)</u> Water-Stained 1, 2, 4A, and Salt Crust (B1 ² Aquatic Inverte Hydrogen Sulfi Oxidized Rhizo Presence of Re Recent Iron Re	Leaves (B9) (ex d 4B) 1) ebrates (B13) ide Odor (C1) ospheres along L educed Iron (C4) eduction in Tilled essed Plants (D1	vf = very fine; + = ccept MLRA iving Roots (C3) Soils (C6)	= heavy (more <u>Secondary I</u> Water-S 4A, a Drainag Dry-Sea Saturatio Geomor Shallow FAC-Ne Raised J	clay); - = light (less cla ndicators (2 or more re tained Leaves (B9) (M nd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Ima phic Position (D2) Aquitard (D3) utral Test (D5)	y) equired) LRA 1, 2, agery (C9)
Depth (inches): emarks: S = sand; Si = IYDROLOGY /etland Hydrology Indicator rimary Indicators (minimum of 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)	rs: of one required; ial Imagery (B7)	<u>check all that apply)</u> Water-Stained 1, 2, 4A, and Salt Crust (B1 ² Aquatic Inverte Hydrogen Sulfi Oxidized Rhizo Presence of Re Recent Iron Re Stunted or Stre Other (Explain	Leaves (B9) (ex d 4B) 1) ebrates (B13) ide Odor (C1) ospheres along L educed Iron (C4) eduction in Tilled essed Plants (D1	vf = very fine; + = ccept MLRA iving Roots (C3) Soils (C6)	= heavy (more <u>Secondary I</u> Water-S 4A, a Drainag Dry-Sea Saturatio Geomor Shallow FAC-Ne Raised J	clay); - = light (less cla ndicators (2 or more re tained Leaves (B9) (M nd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Ima phic Position (D2) Aquitard (D3) utral Test (D5) Ant Mounds (D6) (LRR	y) equired) LRA 1, 2, agery (C9)
Depth (inches): emarks: S = sand; Si = IYDROLOGY /etland Hydrology Indicator rimary Indicators (minimum of 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 Aeri Sparsely Vegetated Conc	rs: of one required; ial Imagery (B7)	<u>check all that apply)</u> Water-Stained 1, 2, 4A, and Salt Crust (B1 ² Aquatic Inverte Hydrogen Sulfi Oxidized Rhizo Presence of Re Recent Iron Re Stunted or Stre Other (Explain	Leaves (B9) (ex d 4B) 1) ebrates (B13) ide Odor (C1) ospheres along L educed Iron (C4) eduction in Tilled essed Plants (D1	vf = very fine; + = ccept MLRA iving Roots (C3) Soils (C6)	= heavy (more <u>Secondary I</u> Water-S 4A, a Drainag Dry-Sea Saturatio Geomor Shallow FAC-Ne Raised J	clay); - = light (less cla ndicators (2 or more re tained Leaves (B9) (M nd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Ima phic Position (D2) Aquitard (D3) utral Test (D5) Ant Mounds (D6) (LRR	y) equired) LRA 1, 2, agery (C9)
Depth (inches): Iemarks: S = sand; Si = IYDROLOGY Vetland Hydrology Indicator rimary Indicators (minimum of 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 Aeri Sparsely Vegetated Conc ield Observations:	rs: of one required; ial Imagery (B7) ave Surface (B8	check all that apply) Water-Stained 1, 2, 4A, and Salt Crust (B1 ² Aquatic Inverte Hydrogen Sulfi Oxidized Rhizo Presence of Re Recent Iron Re Stunted or Stre Other (Explain	Leaves (B9) (ex d 4B) 1) betates (B13) ide Odor (C1) ospheres along L educed Iron (C4) eduction in Tilled essed Plants (D1 in Remarks)	vf = very fine; + = ccept MLRA iving Roots (C3) Soils (C6)) (LRR A)	= heavy (more <u>Secondary I</u> Water-S 4A, a Drainag Dry-Sea Saturatio Geomor Shallow FAC-Ne Raised J	clay); - = light (less cla ndicators (2 or more re tained Leaves (B9) (M nd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Ima phic Position (D2) Aquitard (D3) utral Test (D5) Ant Mounds (D6) (LRR	y) equired) LRA 1, 2, agery (C9)
Depth (inches): termarks: S = sand; Si = IYDROLOGY Vetland Hydrology Indicator trimary Indicators (minimum of 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 Aeri Sparsely Vegetated Conc Surface Water Present?	rs: of one required; ial Imagery (B7) ave Surface (B8 Yes	check all that apply) Water-Stained 1, 2, 4A, and Salt Crust (B1 Aquatic Inverte Hydrogen Sulfi Oxidized Rhizo Presence of Re Recent Iron Re Stunted or Stre Other (Explain) No X	Leaves (B9) (ex d 4B) 1) bebrates (B13) ide Odor (C1) beduced Iron (C4) educed Iron (C4) eduction in Tilled essed Plants (D1 in Remarks) Depth (inches):	vf = very fine; + = ccept MLRA iving Roots (C3) Soils (C6) (LRR A)	= heavy (more <u>Secondary I</u> Water-S 4A, a Dry-Sea Dry-Sea Saturati Geomor Shallow FAC-Ne Raised J Frost-He	clay); - = light (less cla ndicators (2 or more re tained Leaves (B9) (M nd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Ima phic Position (D2) Aquitard (D3) utral Test (D5) Ant Mounds (D6) (LRR eave Hummocks (D7)	y) equired) LRA 1, 2, agery (C9)
Depth (inches): Remarks: S = sand; Si = HYDROLOGY Vetland Hydrology Indicator Primary Indicators (minimum of 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 Aerii Sparsely Vegetated Conc Field Observations: Surface Water Present? Water Table Present?	rs: of one required; ial Imagery (B7) tave Surface (B8 Yes Yes	check all that apply) Water-Stained 1, 2, 4A, and Salt Crust (B1* Aquatic Invertee Hydrogen Sulfi Oxidized Rhizo Presence of Recent Iron Recent I	Leaves (B9) (ex d 4B) 1) ebrates (B13) ide Odor (C1) ospheres along L educed Iron (C4) eduction in Tilled essed Plants (D1 in Remarks) Depth (inches): Depth (inches):	vf = very fine; + = ccept MLRA iving Roots (C3) Soils (C6) (LRR A)	= heavy (more <u>Secondary I</u> Water-S 4A, a Dry-Sea Dry-Sea Saturati Geomor Shallow FAC-Ne Raised J Frost-He	clay); - = light (less cla ndicators (2 or more re tained Leaves (B9) (M nd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Ima phic Position (D2) Aquitard (D3) utral Test (D5) Ant Mounds (D6) (LRR eave Hummocks (D7) d Hydrology Present?	y) equired) LRA 1, 2, agery (C9)
Depth (inches): Remarks: S = sand; Si = HYDROLOGY Vetland Hydrology Indicator Primary Indicators (minimum of 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 Aeri	rs: of one required; ial Imagery (B7) ave Surface (B8 Yes	check all that apply) Water-Stained 1, 2, 4A, and Salt Crust (B1 Aquatic Inverte Hydrogen Sulfi Oxidized Rhizo Presence of Re Recent Iron Re Stunted or Stre Other (Explain) No X	Leaves (B9) (ex d 4B) 1) bebrates (B13) ide Odor (C1) beduced Iron (C4) educed Iron (C4) eduction in Tilled essed Plants (D1 in Remarks) Depth (inches):	vf = very fine; + = ccept MLRA iving Roots (C3) Soils (C6) (LRR A)	= heavy (more <u>Secondary I</u> Water-S 4A, a Dry-Sea Dry-Sea Saturati Geomor Shallow FAC-Ne Raised J Frost-He	clay); - = light (less cla ndicators (2 or more re tained Leaves (B9) (M nd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Ima phic Position (D2) Aquitard (D3) utral Test (D5) Ant Mounds (D6) (LRR eave Hummocks (D7)	y) equired) LRA 1, 2, agery (C9)

Project/Site: P	Panzer Nursery (17980 SW B	aseline Roa	ld)	City/County:	Beaverton	-	Sampling Date	e: 7/6/2022	
Applicant/Owner:	Stanton Street Building Co	mpany LLC	·			State: OR	Sampling	Point:	SP7
Investigator(s):	Chris Moller, C. Mirth Walk	er		Section,	Township, Rang	e: 06BC, 1S, 1W			
Landform (hillslope	, terrace, etc.): Terrace				Local relief	(concave, convex, none):	Concave	Slope (%):	2
Subregion (LRR):	A, Northwest Forests and (Coasts	L	at: 45.512031	 Lon	g: -122.865030	Datun	n: NAD 1983	3
Soil Map Unit Nam	ne: Aloha Silt Loam	(Unit 1)			_	NWI	classification: N	lone	
Are climatic / hydro	ologic conditions on the site		is time of y	ear?	Ye	s X No	(If no, exp	lain in Rema	arks)
Are Vegetation	,Soil	, or Hydr	ology	significantly of	disturbed? A	re "Normal Circumstan	ces" present?	Yes X	No
Are Vegetation	,Soil	, or Hydr	ology	naturally prot	blematic? (lf needed, explain any a	nswers in Rema	arks.)	
SUMMARY O	F FINDINGS – Attach	site map	o showir	ng sampling	point locati	ons, transects, im	portant fea	tures, etc). <u> </u>
Hydrophytic Vege	etation Present?	Yes	<u>Х</u> I	No					
Hydric Soil Preser	nt?	Yes	<u>Х</u> I	No	Is the Samp	led Area			
Wetland Hydrolog	gy Present?	Yes	X	No	within a Wet	land? Yes	X No		
Precipitation prior Remarks: Paired plot with SF	P6.				·				
VEGETATION						-]
T			solute	Dominant	Indicator	Dominance Test wo			
Tree Stratum	(Plot size: <u>30' r</u>)	%	Cover	Species?	<u>Status</u>	Number of Dominant	Species		
 Fraxinus latifo 2. 	olia	7	75%	Yes	FACW	That Are OBL, FACV	√, or FAC:	4	(A)
3.						Total Number of Don	ninant		
4.						Species Across All S		5	(B)
			75% = T	otal Cover					(-)
Sapling/Shrub Stra	atum (Plot size: <u>10'</u>					Percent of Dominant	Species		
1. Crataegus mo	onoavna	2	30%	Yes	FAC	That Are OBL, FACV	•	<u>80%</u>	(A/B)
 Rosa species 	••		20%	Yes	FAC ?	Prevalence Index w			(, , , _)
3. Symphoricarp			20%	Yes	FACU	Total % Cover of		y:	
4. Fraxinus latif		_	10%	No	FACW	OBL species	0 x 1 =	0	
5.			0,0				15 x 2 =	230	
			30% = T	otal Cover			58 x 3 =	174	
Herb Stratum	(Plot size: <u>5' r</u>)						25 x 4 =	100	
1. Camassia leid	chtlinii		30%	Yes	FACW	UPL species	0 x 5 =	0	
2. Agrostis spec			5%	No	FAC ?		98 (A)	504	(B)
 Agrosus spec Bromus speci 			3%	No	FAC ?	Prevalence Inde	.,	2.55	(=)
<u></u>			2%			Hydrophytic Vegeta			
 <u>Galium aparin</u> Galium aparin 	le		270	No	FACU	1 - Rapid Test fo			
6.						X 2 - Dominance T		ogotation	
7.						3 - Prevalence Ir			
8.						4 - Morphologica		Provide sup	porting
9.						· ~ ~	rks or on a sepa	•	
10.						5 - Wetland Non-	•	,	
10									in)
· · · ·			109/ -	otal Cavar		Problematic Hyd			
Woody Vine Stratu	(Plot size: <u>10'</u>		40% = T	otal Cover		¹ Indicators of hydric s be present.	soil and wetland	nyarology r	nust
1. Rubus ursinus		- /	3%	No	FACU				
2			3% = T	otal Cover		Hydrophytic Vegetation	Yes X N	lo	
% Bare Ground in	Herb Stratum 60%					Present?	<u> </u>		
		U					d by KO		,
Remarks:						Entere	d by: <u>KS</u> (QC by: cmw	

Depth Matrix		·	110	dox Features		-		
(inches) Colo	or (moist)	%	Color (moist	t) %	Type ¹	Loc ²	Texture	Remarks
0-4 10)YR 3/2	100					SiL	
4-11 10)YR 3/2	90	10YR 4/6	5 10	С	М	SiL	
11-20 10)YR 4/2	85	10YR 4/6	5 15	С	М	SiL	
			·					
			· · · · · · · · · · · · · · · · · · ·					
ype: C=Concentration	n. D=Depletio	n. RM=Redu	uced Matrix CS=0	Covered or Co	ated Sand Grains.	² Location: PL:	=Pore Lining, M=Matrix	
/dric Soil Indicators:							or Problematic Hydrid	-
Histosol (A1)			Sandy Redo				uck (A10)	
Histic Epipedon (A2	2)		Stripped Ma				ent Material (TF2)	
Black Histic (A3)	-)			()) (except MLRA 1)		allow Dark Surface (TF	(12)
	A 4)							12)
Hydrogen Sulfide (/		44)		ed Matrix (F2)			Explain in Remarks)	
X Depleted Below Da	```	11)	Depleted Ma			³ Indicators o	of hydrophytic vegetatio	n and
Thick Dark Surface			X Redox Dark					
Sandy Mucky Mine	. ,		·	ark Surface (F	()		/drology must be prese	nt,
Sandy Gleyed Matr	ix (S4)		Redox Depr	essions (F8)		unless dis	turbed or problematic.	
Type: Depth (inches): emarks: S = sa		= clay; L = I	oam or loamy; co	o = coarse; f =		l ydric Soil Pre = heavy (more	sent? Yes X clay); - = light (less cla	No у)
Type: Depth (inches): emarks: S = sai	nd; Si = silt; C	: = clay; L = ∣	oam or loamy; co	0 = coarse; f =		•		
Type: Depth (inches): emarks: S = sat	nd; Si = silt; C			o = coarse; f =		= heavy (more		y)
Type: Depth (inches): emarks: S = sat	nd; Si = silt; C dicators:		ck all that apply)			= heavy (more	clay); - = light (less cla	y)
Type: Depth (inches): emarks: S = sau IYDROLOGY /etland Hydrology Ind rimary Indicators (mini	nd; Si = silt; C dicators: mum of one r		ck all that apply)	ed Leaves (BS	fine; vf = very fine; +	= heavy (more Secondary I X Water-S	clay); - = light (less cla ndicators (2 or more re	y)
Type: Depth (inches): emarks: S = sat IYDROLOGY /etland Hydrology Ind rimary Indicators (mini Surface Water (A1)	nd; Si = silt; C dicators: mum of one r		eck all that apply) Water-Stain 1, 2, 4A, a	ed Leaves (BS and 4B)	fine; vf = very fine; +	= heavy (more <u>Secondary I</u> <u>X</u> Water-S 4A, a	clay); - = light (less cla ndicators (2 or more re Stained Leaves (B9) (M	y)
Type: Depth (inches): emarks: S = sau IYDROLOGY /etland Hydrology Ind rimary Indicators (mini Surface Water (A1) High Water Table (nd; Si = silt; C dicators: mum of one r		eck all that apply) Water-Stain 1, 2, 4A, a Salt Crust (E	ed Leaves (BS and 4B)	fine; vf = very fine; + 9) (except MLRA	= heavy (more <u>Secondary I</u> <u>X</u> Water-S 4A, a Drainag	clay); - = light (less cla ndicators (2 or more re stained Leaves (B9) (M nd 4B)	y)
Type: Depth (inches): emarks: S = sat IYDROLOGY /etland Hydrology Ind rimary Indicators (mini Surface Water (A1) High Water Table (Saturation (A3) Water Marks (B1)	nd; Si = silt; C dicators: mum of one r) A2)		water-Stain Water-Stain 1, 2, 4A, a Salt Crust (E Aquatic Inve	ed Leaves (Bs and 4B) 311) ertebrates (B13	fine; vf = very fine; + 9) (except MLRA 3)	= heavy (more <u>Secondary I</u> <u>X</u> Water-S 4A, a Drainag Dry-Sea	clay); - = light (less cla ndicators (2 or more re stained Leaves (B9) (M nd 4B) e Patterns (B10) ison Water Table (C2)	y) quired) LRA 1, 2,
Type: Depth (inches): emarks: S = sau IYDROLOGY Vetland Hydrology Ind rimary Indicators (mini Surface Water (A1) High Water Table (Saturation (A3) Water Marks (B1) Sediment Deposits	nd; Si = silt; C dicators: mum of one r) A2)		ck all that apply) Water-Stain 1, 2, 4A, a Salt Crust (I Aquatic Inve Hydrogen S	ed Leaves (Bs and 4B) 311) ertebrates (B1: ulfide Odor (C	fine; vf = very fine; + 9) (except MLRA 3) 1)	= heavy (more <u>Secondary I</u> <u>X</u> Water-S <u>4A, a</u> <u>Drainag</u> <u>Dry-Sea</u> Saturati	clay); - = light (less cla ndicators (2 or more re Stained Leaves (B9) (M nd 4B) e Patterns (B10) Ison Water Table (C2) on Visible on Aerial Ima	y) quired) LRA 1, 2,
Type: Depth (inches): emarks: S = sau IYDROLOGY /etland Hydrology Ind rimary Indicators (mini Surface Water (A1) High Water Table (Saturation (A3) Water Marks (B1) Sediment Deposits Drift Deposits (B3)	nd; Si = silt; C dicators: mum of one r) A2) (B2)		CK all that apply) Water-Stain 1, 2, 4A , a Salt Crust (E Aquatic Inve Hydrogen S Oxidized Rh	ed Leaves (Bs and 4B) 311) ertebrates (B1: ulfide Odor (C	fine; vf = very fine; + 9) (except MLRA 3) 1) ong Living Roots (C3)	= heavy (more <u>Secondary I</u> <u>X</u> Water-S <u>4A, a</u> Drainag Dry-Sea <u>Saturati</u> <u>X</u> Geomor	clay); - = light (less cla ndicators (2 or more re stained Leaves (B9) (M nd 4B) e Patterns (B10) ison Water Table (C2)	y) quired) LRA 1, 2,
Type: Depth (inches): emarks: S = sat IYDROLOGY /etland Hydrology Ind rimary Indicators (mini Surface Water (A1) High Water Table (Saturation (A3) Water Marks (B1) Sediment Deposits Drift Deposits (B3) Algal Mat or Crust (nd; Si = silt; C dicators: mum of one r) A2) (B2)		Water-Stain Uwater-Stain 1, 2, 4A, a Salt Crust (f Aquatic Inve Hydrogen S Oxidized Rh	ed Leaves (Bs and 4B) 311) ertebrates (B1 ulfide Odor (C nizospheres alo F Reduced Iron	fine; vf = very fine; + 9) (except MLRA 3) 1) ong Living Roots (C3)	= heavy (more <u>Secondary I</u> <u>X</u> Water-S 4A, a Drainag Dry-Sea Saturatio X Geomor Shallow	clay); - = light (less cla ndicators (2 or more re stained Leaves (B9) (M nd 4B) e Patterns (B10) ison Water Table (C2) on Visible on Aerial Ima phic Position (D2) Aquitard (D3)	y) quired) LRA 1, 2,
Type: Depth (inches): temarks: S = sau IYDROLOGY Vetland Hydrology Ind trimary Indicators (mini Surface Water (A1) High Water Table (Saturation (A3) Water Marks (B1) Sediment Deposits Drift Deposits (B3) Algal Mat or Crust (Iron Deposits (B5)	nd; Si = silt; C dicators: imum of one r) A2) (B2) (B4)		water-Stain 1, 2, 4A , a Salt Crust (F Aquatic Inve Hydrogen S Oxidized Rh Presence of Recent Iron	ed Leaves (BS and 4B) 311) ertebrates (B13 ulfide Odor (C nizospheres alo Reduced Iron Reduction in ⁻	fine; vf = very fine; + 9) (except MLRA 3) 1) ong Living Roots (C3) n (C4)	= heavy (more <u>Secondary I</u> <u>X</u> Water-S 4A, a Drainag Dry-Sea Saturatia <u>X</u> Geomor Shallow <u>X</u> FAC-Ne	clay); - = light (less cla ndicators (2 or more re stained Leaves (B9) (M nd 4B) e Patterns (B10) ison Water Table (C2) on Visible on Aerial Ima phic Position (D2)	y) quired) LRA 1, 2, agery (C9)
Type: Depth (inches): Temarks: S = sau AYDROLOGY Vetland Hydrology Ind rimary Indicators (mini Surface Water (A1) High Water Table (Saturation (A3) Water Marks (B1) Sediment Deposits Drift Deposits (B3) Algal Mat or Crust (Iron Deposits (B5) Surface Soil Cracks	nd; Si = silt; C dicators: mum of one r A2) (B2) (B4) s (B6)	equired; che	CK all that apply) Water-Stain 1, 2, 4A , a Salt Crust (E Aquatic Inve Hydrogen S Oxidized Rh Presence of Recent Iron Stunted or S	ed Leaves (BS and 4B) 311) ertebrates (B13 ulfide Odor (C izospheres ald Reduced Iron Reduction in [–] Stressed Plant	fine; vf = very fine; + 9) (except MLRA 3) 1) ong Living Roots (C3) n (C4) Tilled Soils (C6) s (D1) (LRR A)	= heavy (more <u>Secondary I</u> <u>X</u> Water-S 4A, a Drainag Dry-Sea Saturati <u>X</u> Geomor Shallow <u>X</u> FAC-Ne Raised	clay); - = light (less cla ndicators (2 or more re stained Leaves (B9) (M nd 4B) e Patterns (B10) uson Water Table (C2) on Visible on Aerial Ima phic Position (D2) Aquitard (D3) utral Test (D5) Ant Mounds (D6) (LRR	y) quired) LRA 1, 2, agery (C9)
Type: Depth (inches): emarks: S = sat IYDROLOGY /etland Hydrology Ind rimary Indicators (mini Surface Water (A1) High Water Table (Saturation (A3) Water Marks (B1) Sediment Deposits Drift Deposits (B3) Algal Mat or Crust (Iron Deposits (B5) Surface Soil Cracks Inundation Visible of	dicators: mum of one r A2) (B2) (B4) s (B6) on Aerial Imag	equired; che	CK all that apply) Water-Stain 1, 2, 4A , a Salt Crust (E Aquatic Inve Hydrogen S Oxidized Rh Presence of Recent Iron Stunted or S	ed Leaves (BS and 4B) 311) ertebrates (B13 ulfide Odor (C nizospheres alo Reduced Iron Reduction in ⁻	fine; vf = very fine; + 9) (except MLRA 3) 1) ong Living Roots (C3) n (C4) Tilled Soils (C6) s (D1) (LRR A)	= heavy (more <u>Secondary I</u> <u>X</u> Water-S 4A, a Drainag Dry-Sea Saturati <u>X</u> Geomor Shallow <u>X</u> FAC-Ne Raised	clay); - = light (less cla ndicators (2 or more re stained Leaves (B9) (M nd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Ima phic Position (D2) Aquitard (D3) sutral Test (D5)	y) quired) LRA 1, 2, agery (C9)
Type: Depth (inches): emarks: S = sau IYDROLOGY /etland Hydrology Ind rimary Indicators (mini Surface Water (A1) High Water Table (Saturation (A3) Water Marks (B1) Sediment Deposits Drift Deposits (B3) Algal Mat or Crust (Iron Deposits (B5) Surface Soil Cracks Inundation Visible of Sparsely Vegetated	dicators: mum of one r A2) (B2) (B4) s (B6) on Aerial Imag	equired; che	CK all that apply) Water-Stain 1, 2, 4A , a Salt Crust (E Aquatic Inve Hydrogen S Oxidized Rh Presence of Recent Iron Stunted or S	ed Leaves (BS and 4B) 311) ertebrates (B13 ulfide Odor (C izospheres ald Reduced Iron Reduction in [–] Stressed Plant	fine; vf = very fine; + 9) (except MLRA 3) 1) ong Living Roots (C3) n (C4) Tilled Soils (C6) s (D1) (LRR A)	= heavy (more <u>Secondary I</u> <u>X</u> Water-S 4A, a Drainag Dry-Sea Saturati <u>X</u> Geomor Shallow <u>X</u> FAC-Ne Raised	clay); - = light (less cla ndicators (2 or more re stained Leaves (B9) (M nd 4B) e Patterns (B10) uson Water Table (C2) on Visible on Aerial Ima phic Position (D2) Aquitard (D3) utral Test (D5) Ant Mounds (D6) (LRR	y) quired) LRA 1, 2, agery (C9)
Type: Depth (inches): emarks: S = sau IYDROLOGY /etland Hydrology Ind rimary Indicators (mini Surface Water (A1) High Water Table (Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (Iron Deposits (B3) Algal Mat or Crust (Iron Deposits (B5) Surface Soil Cracks Inundation Visible of Sparsely Vegetated ield Observations:	dicators: imum of one r A2) (B2) (B4) s (B6) on Aerial Imag	equired; che gery (B7) rface (B8)	Water-Stain 1, 2, 4A, a Salt Crust (E Aquatic Inve Hydrogen S Oxidized Rh Presence of Recent Iron Stunted or S Other (Expla	ed Leaves (BS and 4B) 311) ertebrates (B13 ulfide Odor (C inzospheres alo Reduced Iron Reduction in ⁻ Stressed Plant ain in Remarks	fine; vf = very fine; + 9) (except MLRA 3) 1) ong Living Roots (C3) n (C4) Tilled Soils (C6) s (D1) (LRR A) s)	= heavy (more <u>Secondary I</u> <u>X</u> Water-S 4A, a Drainag Dry-Sea Saturati <u>X</u> Geomor Shallow <u>X</u> FAC-Ne Raised	clay); - = light (less cla ndicators (2 or more re stained Leaves (B9) (M nd 4B) e Patterns (B10) uson Water Table (C2) on Visible on Aerial Ima phic Position (D2) Aquitard (D3) utral Test (D5) Ant Mounds (D6) (LRR	y) quired) LRA 1, 2, agery (C9)
Type: Depth (inches): Cemarks: S = sau HYDROLOGY Vetland Hydrology Ind Trimary Indicators (mini Surface Water (A1) High Water Table (Saturation (A3) Water Marks (B1) Sediment Deposits Drift Deposits (B3) Algal Mat or Crust (Iron Deposits (B5) Surface Soil Cracks Inundation Visible of Sparsely Vegetated Sield Observations: Surface Water Present	nd; Si = silt; C dicators: imum of one r A2) (B2) (B2) (B4) s (B6) on Aerial Imag d Concave Su ? Yes_	equired; che gery (B7) rface (B8)	Water-Stain 1, 2, 4A, a Salt Crust (E Aquatic Inve Hydrogen S Oxidized Rh Presence of Recent Iron Stunted or S Other (Explain No X	ed Leaves (BS and 4B) 311) ertebrates (B13 ulfide Odor (C izospheres ald Reduced Iron Reduced Iron Stressed Plant: ain in Remarks	fine; vf = very fine; + 9) (except MLRA 3) 1) ong Living Roots (C3) 1) 1) 1) 1) 1) 1) 2) 2) 2) 2) 2) 2) 2) 2) 2) 2	= heavy (more <u>Secondary I</u> <u>X</u> Water-S <u>4A, a</u> Drainag Dry-Sea Saturati <u>X</u> Geomor Shallow X FAC-Ne Raised Frost-He	clay); - = light (less cla ndicators (2 or more re stained Leaves (B9) (M nd 4B) e Patterns (B10) uson Water Table (C2) on Visible on Aerial Ima phic Position (D2) Aquitard (D3) utral Test (D5) Ant Mounds (D6) (LRR eave Hummocks (D7)	y) quired) LRA 1, 2, agery (C9)
Type: Depth (inches): Cemarks: S = sau HYDROLOGY Vetland Hydrology Ind Trimary Indicators (mini Surface Water (A1) High Water Table (Saturation (A3) Water Marks (B1) Sediment Deposits Drift Deposits (B3) Algal Mat or Crust (Iron Deposits (B5) Surface Soil Cracks Inundation Visible of Sparsely Vegetated Sparsely Vegetated Surface Water Present Nater Table Present?	nd; Si = silt; C dicators: imum of one r A2) (B2) (B2) (B4) s (B6) on Aerial Imag d Concave Su ? Yes Yes	equired; che gery (B7) rface (B8)	eck all that apply) Water-Stain 1, 2, 4A, a Salt Crust (E Aquatic Invest Hydrogen S Oxidized Rh Presence of Recent Iron Stunted or S Other (Expland) No X	ed Leaves (Bs and 4B) 311) ertebrates (B13 ulfide Odor (C izospheres ald Reduced Iron Reducetion in [–] Stressed Plants ain in Remarks Depth (inc Depth (inc	fine; vf = very fine; + (a) (except MLRA (b) (except MLRA (c) (c) (c) (c) (c) (c) (c) (c) (c) (c)	= heavy (more <u>Secondary I</u> <u>X</u> Water-S <u>4A, a</u> Drainag Dry-Sea Saturati <u>X</u> Geomor Shallow X FAC-Ne Raised Frost-He	clay); - = light (less cla ndicators (2 or more re stained Leaves (B9) (M nd 4B) e Patterns (B10) ison Water Table (C2) on Visible on Aerial Ima phic Position (D2) Aquitard (D3) iutral Test (D5) Ant Mounds (D6) (LRR eave Hummocks (D7)	y) quired) LRA 1, 2, agery (C9)
Depth (inches): Remarks: S = sat HYDROLOGY Vetland Hydrology Ind Primary Indicators (mini Surface Water (A1) High Water Table (Saturation (A3) Water Marks (B1) Sediment Deposits Drift Deposits (B3) Algal Mat or Crust (Iron Deposits (B5) Surface Soil Cracks Inundation Visible of	nd; Si = silt; C dicators: imum of one r A2) (B2) (B2) (B4) s (B6) on Aerial Imag d Concave Su ? Yes Yes Yes	equired; che gery (B7) rface (B8)	Water-Stain 1, 2, 4A, a Salt Crust (E Aquatic Inve Hydrogen S Oxidized Rh Presence of Recent Iron Stunted or S Other (Explain No X	ed Leaves (BS and 4B) 311) ertebrates (B13 ulfide Odor (C izospheres ald Reduced Iron Reduced Iron Stressed Plant: ain in Remarks	fine; vf = very fine; + (a) (except MLRA (b) (except MLRA (c) (c) (c) (c) (c) (c) (c) (c) (c) (c)	= heavy (more <u>Secondary I</u> <u>X</u> Water-S <u>4A, a</u> Drainag Dry-Sea Saturati <u>X</u> Geomor Shallow X FAC-Ne Raised Frost-He	clay); - = light (less cla ndicators (2 or more re stained Leaves (B9) (M nd 4B) e Patterns (B10) uson Water Table (C2) on Visible on Aerial Ima phic Position (D2) Aquitard (D3) utral Test (D5) Ant Mounds (D6) (LRR eave Hummocks (D7)	y) quired) LRA 1, 2, agery (C9)

Project/Site: F	Panzer Nursery (17980 SW E	Baseline Road)	City/County:	Beaverton		Sampling Date: 7/6/202	22
Applicant/Owner:	Stanton Street Building Co	ompany LLC			State: OR	Sampling Point:	SP8
Investigator(s):	Chris Moller, C. Mirth Wall	ker	Section,	Township, Rang	ge: 06BC, 1S, 1W	_	
Landform (hillslope	e, terrace, etc.): Terrace			Local relief	(concave, convex, none):	Concave Slope (%	6): 1
Subregion (LRR):	A, Northwest Forests and	Coasts	Lat: 45.511993	Lor	ng: -122.864574	Datum: NAD 1	983
Soil Map Unit Nan	me: Aloha Silt Loan	n (Unit 1)			NWI	classification: None	
Are climatic / hydr	rologic conditions on the site	typical for this time of	f year?	Ye	es <u>X</u> No	(If no, explain in Re	emarks)
Are Vegetation	,Soil	, or Hydrology	significantly	disturbed?	Are "Normal Circumstan	ces" present? Yes 📝	X_No
Are Vegetation	,Soil	, or Hydrology	naturally pro		(If needed, explain any a		
	F FINDINGS – Attack	-		point locati	ions, transects, in	portant features, e	etc.
Hydrophytic Vege		Yes X	No	In the Comm			
Hydric Soil Prese		Yes X	No	Is the Samp			
Wetland Hydrolog		Yes	No X	within a We	tland? Yes	<u>No X</u>	
Precipitation prior Remarks:	to fieldwork:						
SW of wet meado	DW.						
VEGETATION	N						
		Absolute	Dominant	Indicator	Dominance Test wo	orksheet:	
Tree Stratum	(Plot size: <u>30' r</u>)	<u>% Cover</u>	Species?	Status	Number of Dominant	Species	
1. Fraxinus latif	olia	70%	Yes	FACW	That Are OBL, FACV	V, or FAC: 3	(A)
2. Quercus garr	ryana	10%	No	FACU			
3.					Total Number of Dor	ninant	
4.					Species Across All S	Strata: 5	(B)
		80%	= Total Cover				
Sapling/Shrub Str	atum (Plot size: <u>10</u>	<u>' r)</u>			Percent of Dominant	Species	
1. Symphoricar	pos albus	40%	Yes	FACU	That Are OBL, FACV	V, or FAC: <u>60%</u>	(A/B)
2. Crataegus m	onogyna	20%	Yes	FAC	Prevalence Index w	orksheet:	
3. Rubus armer	niacus	10%	No	FAC	Total % Cover of	of: Multiply by:	
4. Rosa species	S	10%	No	FAC ?	OBL species	15 x 1 = 1	5
5. Amelanchier	alnifolia	5%	No	FACU	FACW species	70 x 2 = 14	40
		85%	= Total Cover		FAC species	40 x 3 = 12	20
Herb Stratum	(Plot size: <u>5' r</u>)				FACU species	60 x 4 = 24	40
1. Carex obnup	ta	15%	Yes	OBL	UPL species	0 x 5 = ()
2.					Column Totals: 1	85 (A) 51	15 (B)
3.					Prevalence Inde	$ex = B/A = \frac{2.78}{2.78}$	3
4.					Hydrophytic Vegeta	ition Indicators:	
5.					1 - Rapid Test fo	r Hydrophytic Vegetation	1
6.					X 2 - Dominance T	est is >50%	
7.					X 3 - Prevalence Ir	າdex is ≤3.0 ¹	
8.					4 - Morphologica	al Adaptations ¹ (Provide s	supporting
9.					data in Rema	rks or on a separate she	et)
10.					5 - Wetland Non	-Vascular Plants ¹	
11.					Problematic Hyd	rophytic Vegetation ¹ (Exp	olain)
		15%	= Total Cover		¹ Indicators of hydric	soil and wetland hydrolog	gy must
Woody Vine Strat	um (Plot size: <u>10</u>	<u>'r_)</u>			be present.		
1. <u>Hedera helix</u>		5%	Yes	FACU			
2.			Tatal O		Hydrophytic		
			= Total Cover		Vegetation	Yes X No	
% Bare Ground in	Herb Stratum 859	/o			Present?		
Remarks:					Entere	ed by: KS QC by: cr	nw

The only occurrence of CAROBN we saw in forest, about 10 plants.

Depth Matrix			Redox F	eatures				
(inches) Color	(moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remark
0-5 10Y	′R 3/2	100					SiL	
5-12 10Y	′R 3/2	90	10YR 4/6	10	С	М	SiL	
12-17 10Y	′R 4/2	80	10YR 4/6	20	С	М	SiL	
ype: C=Concentration,	D=Depletion	, RM=Redu	ced Matrix CS=Co	overed or Coated	Sand Grains.	² Location: PL=	=Pore Lining, M=Matrix	κ.
ydric Soil Indicators: (A	Applicable t	o all LRRs,	unless otherwis	se noted.)		Indicators f	or Problematic Hydri	c Soils³:
Histosol (A1)			Sandy Redox	(S5)		2 cm Mu	ıck (A10)	
Histic Epipedon (A2)			Stripped Mat	rix (S6)		Red Par	ent Material (TF2)	
Black Histic (A3)			Loamy Muck	y Mineral (F1) (ex	cept MLRA 1)	Very Sh	allow Dark Surface (TF	-12)
Hydrogen Sulfide (A4	4)		Loamy Gleye	d Matrix (F2)			xplain in Remarks)	
X Depleted Below Dark		1)	Depleted Mat	trix (F3)		`	,	
Thick Dark Surface (/	A12)		X Redox Dark			³ Indicators o	f hydrophytic vegetatic	on and
Sandy Mucky Mineral			Depleted Dar	rk Surface (F7)		wetland hy	drology must be prese	ent,
Sandy Gleyed Matrix	(S4)		Redox Depre	essions (F8)		unless dist	urbed or problematic.	
emarks: S = sand	l; Si = silt; C	= clay; L = I	oam or loamy; co	= coarse; f = fine;		ydric Soil Pre	sent? Yes X clay); - = light (less cla	No
Depth (inches): emarks: S = sand		= clay; L = I	oam or loamy; co	= coarse; f = fine;		•		
Depth (inches): emarks: S = sand IYDROLOGY /etland Hydrology India	cators:			= coarse; f = fine;		= heavy (more		ay)
Depth (inches): emarks: S = sand IYDROLOGY /etland Hydrology India	cators:		ck all that apply)	= coarse; f = fine; d Leaves (B9) (ex	vf = very fine; + :	= heavy (more	clay); - = light (less cla	ay)
Depth (inches): emarks: S = sand IYDROLOGY /etland Hydrology India rimary Indicators (minim	cators:		ck all that apply)	d Leaves (B9) (ex	vf = very fine; + :	= heavy (more Secondary li	clay); - = light (less cla	ay)
Depth (inches): emarks: S = sand IYDROLOGY /etland Hydrology India rimary Indicators (minim Surface Water (A1)	cators:		ck all that apply) Water-Staine	d Leaves (B9) (ex nd 4B)	vf = very fine; + :	= heavy (more <u>Secondary I</u> Water-S 4 A, a	clay); - = light (less cla ndicators (2 or more re tained Leaves (B9) (M	ay)
Depth (inches): emarks: S = sand IYDROLOGY /etland Hydrology India rimary Indicators (minim Surface Water (A1) High Water Table (A2	cators:		ck all that apply) Water-Staine 1, 2, 4A, a Salt Crust (B	d Leaves (B9) (ex nd 4B)	vf = very fine; + :	= heavy (more <u>Secondary II</u> Water-S Drainag	clay); - = light (less cla ndicators (2 or more re tained Leaves (B9) (M nd 4B)	ay)
Depth (inches): emarks: S = sand IYDROLOGY /etland Hydrology India rimary Indicators (minim Surface Water (A1) High Water Table (A2 Saturation (A3)	cators: ium of one re 2)		<u>ck all that apply)</u> Water-Staine 1, 2, 4A, a Salt Crust (B Aquatic Inver	ed Leaves (B9) (ex nd 4B) 11)	vf = very fine; + :	= heavy (more Secondary II Water-S 4A, au Drainagu	clay); - = light (less cla ndicators (2 or more re tained Leaves (B9) (M nd 4B) e Patterns (B10)	ay) equired) ILRA 1, 2,
Depth (inches): emarks: S = sand IYDROLOGY Ivetland Hydrology India rimary Indicators (minim Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1)	cators: ium of one re 2)		<u>ck all that apply)</u> Water-Staine 1, 2, 4A, a Salt Crust (B Aquatic Inver Hydrogen Su	ed Leaves (B9) (ex nd 4B) 11) tebrates (B13)	vf = very fine; + :	= heavy (more <u>Secondary In</u> Water-S 4A, an Drainago Dry-Sea Saturatio	clay); - = light (less cla ndicators (2 or more re tained Leaves (B9) (M nd 4B) e Patterns (B10) son Water Table (C2)	ay) equired) ILRA 1, 2,
Depth (inches): emarks: S = sand IYDROLOGY /etland Hydrology India rimary Indicators (minim Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (E	cators: num of one re 2) 32)		<u>ck all that apply)</u> Water-Staine 1, 2, 4A, a Salt Crust (B Aquatic Inver Hydrogen Su Oxidized Rhiz	ed Leaves (B9) (ex nd 4B) 11) tebrates (B13) Ifide Odor (C1)	vf = very fine; + :	= heavy (more <u>Secondary II</u> Water-S 4A, ai Drainagi Dry-Sea Saturatio Geomor	clay); - = light (less cla ndicators (2 or more re tained Leaves (B9) (M nd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Ima	ay) equired) ILRA 1, 2,
Depth (inches): emarks: S = sand IYDROLOGY /etland Hydrology India rimary Indicators (minim Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B Drift Deposits (B3)	cators: num of one re 2) 32)		<u>ck all that apply)</u> Water-Staine 1, 2, 4A, a Salt Crust (B Aquatic Inver Hydrogen Su Oxidized Rhiz Presence of	ed Leaves (B9) (ex nd 4B) 11) tebrates (B13) Ifide Odor (C1) zospheres along L	vf = very fine; + : ccept MLRA	= heavy (more <u>Secondary II</u> Water-S 4A, a Drainage Dry-Sea Saturatio Geomor Shallow	clay); - = light (less cla ndicators (2 or more re tained Leaves (B9) (M nd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Ima phic Position (D2)	ay) equired) ILRA 1, 2,
Depth (inches): emarks: S = sand IYDROLOGY /etland Hydrology India rimary Indicators (minim Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B	cators: num of one re 2) 32) 4)		<u>ck all that apply)</u> Water-Staine 1, 2, 4A, a Salt Crust (B Aquatic Inver Hydrogen Su Oxidized Rhiz Presence of Recent Iron F	ed Leaves (B9) (ex nd 4B) 11) tebrates (B13) Ifide Odor (C1) zospheres along L Reduced Iron (C4)	vf = very fine; + : ccept MLRA	= heavy (more <u>Secondary II</u> Water-S 4A, a Drainage Dry-Sea Saturatio Geomor Shallow FAC-Ne	clay); - = light (less cla <u>indicators (2 or more re</u> tained Leaves (B9) (M ind 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Im- phic Position (D2) Aquitard (D3)	ay) equired) ILRA 1, 2, agery (C9)
Depth (inches): Temarks: S = sand IYDROLOGY Vetland Hydrology India trimary Indicators (minim Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B Drift Deposits (B3) Algal Mat or Crust (B- Iron Deposits (B5)	cators: hum of one re 2) 32) 4) (B6)	equired; che	ck all that apply) Water-Staine 1, 2, 4A, a Salt Crust (B Aquatic Inver Hydrogen Su Oxidized Rhi: Presence of I Recent Iron F Stunted or St	ed Leaves (B9) (ex nd 4B) 11) tebrates (B13) lífide Odor (C1) zospheres along L Reduced Iron (C4) Reduction in Tilled	vf = very fine; + : ccept MLRA	= heavy (more <u>Secondary II</u> Water-S 4A, ai Drainagu Dry-Sea Saturatio Geomor Shallow FAC-Ne Raised /	clay); - = light (less cla <u>indicators (2 or more re</u> tained Leaves (B9) (M ind 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Ima phic Position (D2) Aquitard (D3) utral Test (D5)	ay) equired) ILRA 1, 2, agery (C9)
Depth (inches): emarks: S = sand IYDROLOGY /etland Hydrology India rimary Indicators (minim Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B Drift Deposits (B3) Algal Mat or Crust (B- Iron Deposits (B5) Surface Soil Cracks (cators: num of one re 2) 32) 4) (B6) Aerial Image	equired; che	ck all that apply) Water-Staine 1, 2, 4A, a Salt Crust (B Aquatic Inver Hydrogen Su Oxidized Rhi: Presence of I Recent Iron F Stunted or St	ed Leaves (B9) (ex nd 4B) 11) tebrates (B13) lífide Odor (C1) zospheres along L Reduced Iron (C4) Reduction in Tilled tressed Plants (D1	vf = very fine; + : ccept MLRA	= heavy (more <u>Secondary II</u> Water-S 4A, ai Drainagu Dry-Sea Saturatio Geomor Shallow FAC-Ne Raised /	clay); - = light (less cla ndicators (2 or more re tained Leaves (B9) (M nd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Ima phic Position (D2) Aquitard (D3) utral Test (D5) Ant Mounds (D6) (LRR	ay) equired) ILRA 1, 2, agery (C9)
Depth (inches): emarks: S = sand IYDROLOGY /etland Hydrology India rimary Indicators (minim Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B Drift Deposits (B3) Algal Mat or Crust (B- Iron Deposits (B5) Surface Soil Cracks (Inundation Visible on Sparsely Vegetated C	cators: num of one re 2) 32) 4) (B6) Aerial Image	equired; che	ck all that apply) Water-Staine 1, 2, 4A, a Salt Crust (B Aquatic Inver Hydrogen Su Oxidized Rhi: Presence of I Recent Iron F Stunted or St	ed Leaves (B9) (ex nd 4B) 11) tebrates (B13) lífide Odor (C1) zospheres along L Reduced Iron (C4) Reduction in Tilled tressed Plants (D1	vf = very fine; + : ccept MLRA	= heavy (more <u>Secondary II</u> Water-S 4A, ai Drainagu Dry-Sea Saturatio Geomor Shallow FAC-Ne Raised /	clay); - = light (less cla ndicators (2 or more re tained Leaves (B9) (M nd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Ima phic Position (D2) Aquitard (D3) utral Test (D5) Ant Mounds (D6) (LRR	ay) equired) ILRA 1, 2, agery (C9)
Depth (inches): emarks: S = sand IYDROLOGY /etland Hydrology India rimary Indicators (minim 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 ield Observations:	cators: num of one re 2) 32) 4) (B6) Aerial Image Concave Sur	equired; che ery (B7) face (B8)	ck all that apply) Water-Staine 1, 2, 4A, a Salt Crust (B Aquatic Inver Hydrogen Su Oxidized Rhi: Presence of Recent Iron F Stunted or St Other (Explai	ed Leaves (B9) (ex nd 4B) 11) tebrates (B13) lfide Odor (C1) zospheres along L Reduced Iron (C4) Reduction in Tilled tressed Plants (D1 in in Remarks)	vf = very fine; + : ccept MLRA iving Roots (C3) Soils (C6)) (LRR A)	= heavy (more <u>Secondary II</u> Water-S 4A, ai Drainagu Dry-Sea Saturatio Geomor Shallow FAC-Ne Raised /	clay); - = light (less cla ndicators (2 or more re tained Leaves (B9) (M nd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Ima phic Position (D2) Aquitard (D3) utral Test (D5) Ant Mounds (D6) (LRR	ay) equired) ILRA 1, 2, agery (C9)
Depth (inches): Temarks: S = sand TYDROLOGY Vetland Hydrology India rrimary Indicators (minim Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B Drift Deposits (B3) Algal Mat or Crust (B- Iron Deposits (B5) Surface Soil Cracks (Inundation Visible on Sparsely Vegetated C ield Observations: Surface Water Present?	cators: num of one re 2) 32) 4) (B6) Aerial Image Concave Sur	equired; che ery (B7) face (B8)	ck all that apply) Water-Staine 1, 2, 4A, a Salt Crust (B Aquatic Inver Hydrogen Su Oxidized Rhi: Presence of Recent Iron F Stunted or St Other (Explai	ed Leaves (B9) (ex nd 4B) 11) tebrates (B13) lífide Odor (C1) zospheres along L Reduced Iron (C4) Reduction in Tilled tressed Plants (D1	vf = very fine; + : ccept MLRA iving Roots (C3) Soils (C6)) (LRR A)	= heavy (more <u>Secondary II</u> Water-S 4A, ai Dry-Sea Dry-Sea Saturatio Geomor Shallow FAC-Ne Raised J Frost-He	clay); - = light (less cla ndicators (2 or more re tained Leaves (B9) (M nd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Ima phic Position (D2) Aquitard (D3) utral Test (D5) Ant Mounds (D6) (LRR	ay) equired) ILRA 1, 2, agery (C9)
Depth (inches): Temarks: S = sand TYDROLOGY Vetland Hydrology India Primary Indicators (minim 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	cators: num of one re 2) 32) 4) (B6) Aerial Image Concave Sur Yes _	equired; che ery (B7) face (B8)	ck all that apply) Water-Staine 1, 2, 4A, a Salt Crust (B Aquatic Inver Hydrogen Su Oxidized Rhi: Presence of I Recent Iron F Stunted or St Other (Explai	ed Leaves (B9) (ex nd 4B) 11) tebrates (B13) lfide Odor (C1) zospheres along L Reduced Iron (C4) Reduction in Tilled tressed Plants (D1 in in Remarks) Depth (inches):	vf = very fine; + : ccept MLRA iving Roots (C3) Soils (C6)) (LRR A)	= heavy (more <u>Secondary II</u> Water-S 4A, ai Dry-Sea Dry-Sea Saturatio Geomor Shallow FAC-Ne Raised J Frost-He	clay); - = light (less cla ndicators (2 or more re- tained Leaves (B9) (M nd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Ima phic Position (D2) Aquitard (D3) utral Test (D5) Ant Mounds (D6) (LRR eave Hummocks (D7)	ay) equired) ILRA 1, 2, agery (C9)
Depth (inches): Temarks: S = sand TYDROLOGY Vetland Hydrology India trimary Indicators (minim Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B3) Algal Mat or Crust (B4) Iron Deposits (B3) Algal Mat or Crust (B5) Surface Soil Cracks (Inundation Visible on Sparsely Vegetated O ield Observations: Surface Water Present? Water Table Present?	cators: hum of one re 2) 32) 4) (B6) Aerial Image Concave Sur Yes Yes Yes	equired; che ery (B7) face (B8)	ck all that apply) Water-Staine 1, 2, 4A, a Salt Crust (B Aquatic Inver Hydrogen Su Oxidized Rhiz Presence of I Recent Iron F Stunted or St Other (Explain No X	ed Leaves (B9) (ex nd 4B) 11) tebrates (B13) lfide Odor (C1) zospheres along L Reduced Iron (C4) Reduction in Tilled tressed Plants (D1 in in Remarks) Depth (inches): Depth (inches):	vf = very fine; + : ccept MLRA iving Roots (C3) Soils (C6)) (LRR A)	= heavy (more <u>Secondary II</u> Water-S 4A, ai Dry-Sea Dry-Sea Saturatio Geomor Shallow FAC-Ne Raised J Frost-He	clay); - = light (less cla ndicators (2 or more re- tained Leaves (B9) (M nd 4B) e Patterns (B10) son Water Table (C2) on Visible on Aerial Im- phic Position (D2) Aquitard (D3) utral Test (D5) Ant Mounds (D6) (LRR eave Hummocks (D7) I Hydrology Present?	ay) equired) ILRA 1, 2, agery (C9)

Appendix D

Ground-Level Site Photographs







Photo Point 1. View north of wetland plot SP1. Photographed June 29, 2022.



Photo Point 2. View northwest of upland plot SP2. Photographed June 29, 2022.



Photo Point 3. Large camas (*Camassia leichtlinii*) with seedpods (identified by height). It was a consistent factor throughout the wetland. Toad rush (*Juncus bufonius*) was also present. Photographed June 29, 2022.



Photo Point 4. Blue-eyed grass (*Sisyrinchium* sp.) in emergent portion of wetland. Photographed June 29, 2022.



Photo Point 5. View southeast of emergent portion of wetland (note cut Oregon ash [*Fraxinus latifolia*] stumps). Photographed June 29, 2022.



Photo Point 6. View north of emergent portion of wetland showing wetland plot SP1 (yellow flag) and pink wetland boundary flags. Photographed July 6, 2022.



Photo Point 7. View north of emergent wetland–upland boundary flags. Photographed July 6, 2022.



Photo Point 8. View south of SP2 and SP1 and pink wetland boundary flags Photographed July 6, 2022.



Photo Point 9. View north of wetland plot SP3. Photographed June 29, 2022.



Photo Point 10. View west of upland plot SP4 location underneath red and white streamers. Photographed July 6, 2022.



Photo Point 11. View southeast of typical forested wetland. Photographed July 6, 2022.



Photo Point 12. View south of western edge of wetland, defined by fill. Photographed July 6, 2022.



Photo Point 13. Interior view of wetland showing dead camas leaves. Photographed July 6, 2022.



Photo Point 14. Giant white trillium (*Trillium albidum*) in wetland forest. Photographed July 6, 2022.



Photo Point 15. View north of upland from the south of site. Photographed July 6, 2022.



Photo Point 16. View east of upland in the southeast corner of the site. Photographed July 6, 2022.



Photo Point 17. View north of eastern berm separating forest from residential area. Photographed July 6, 2022.



Photo Point 18. View west of upland plot SP5 on mound of fill. Photographed June 29, 2022.

This page intentionally left blank.

Appendix E

Vegetation List

	Panzer Nursery			
	Vegetation List			
June 29 and July 6, 2022				
Common Name	Scientific Name	Wetland Indicator Status	Native and Invasive, Noxious	
bent grass	Agrostis species	FAC?	-	
Saskatoon service-berry	Amelanchier alnifolia	FACU	native	
European weeping birch	Betula pendula	FACU	non-native	
California brome	Bromus carinatus	NOL	native	
brome	Bromus species	FAC to UPL	-	
large camas	Camassia leichtlinii	FACW	native	
slough sedge	Carex obnupta	OBL	native	
bull thistle	Cirsium vulgare	FACU	invasive, noxious	
English hawthorn	Crataegus monogyna	FAC	non-native	
Queen Anne's-lace	Daucus carota	FACU	non-native	
fringed willowherb	Epilobium ciliatum	FACW	native	
Oregon ash	Fraxinus latifolia	FACW	native	
sticky-willy, catchweed bedstraw	Galium aparine	FACU	native	
cutleaf geranium	Geranium dissectum	NOL	non-native	
English ivy	Hedera helix	FACU	invasive, noxious	
common velvet grass	Holcus lanatus	FAC	non-native	
common St. John's-wort	Hypericum perforatum	FACU	noxious	
hairy cat's-ear	Hypochaeris radicata	FACU	non-native	
English holly	llex aquifolium	FACU	non-native	
toad rush	Juncus bufonius	FACW	native	
spreading rush	Juncus patens	FACW	native	
lesser poverty rush	Juncus tenuis	FAC	native	
common nipplewort	Lapsana communis	FACU	non-native	
perennial rye grass	Lolium perenne	FAC	non-native	
Oregon crabapple	Malus fusca	FACW	native	
king's-cureall, common evening primros	Oenothera biennis	FACU	native	
Sitka spruce	Picea sitchensis	FAC	native	
annual blue grass	Poa annua	FAC	non-native	
licorice fern	Polypodium glycyrrhiza	NOL	native	
sweet cherry	Prunus avium	FACU	non-native	
cherry	Prunus species	FACU/NOL	-	
Douglas-fir	Pseudotsuga menziesii	FACU	native	
Oregon white oak	Quercus garryana	FACU	native	
rhododendron, azalea	Rhododendron species	FAC?	-	
Nootka rose	Rosa nutkana	FAC	native	
rose	Rosa species	FAC to UPL	-	
California dewberry or trailing blackberry	Rubus ursinus	FACU	native	
curly dock	Rumex crispus	FAC	non-native	

Common Name	Scientific Name	Wetland Indicator Status	Native and Invasive, Noxious
		Status	INUXIOUS
blue-eyed grass	Sisyrinchium species	OBL to FAC	native
Douglas' meadowsweet, Douglas spirea	Spiraea douglasii	FACW	native
common snowberry	Symphoricarpos albus	FACU	native
common dandelion	Taraxacum officinale	FACU	non-native
fragrant fringecup	Tellima grandiflora	FACU	native
western arborvitae (western red cedar)	Thuja plicata	FAC	native
suckling clover	Trifolium dubium	FACU	non-native
white clover	Trifolium repens	FAC	non-native
giant white trillium	Trillium albidum	FACU	native

Wetland Indicator Status and taxonomy for the Western Mountains, Valleys, and Coast Region per the National Wetland Plant List 2020 v3.5 Accessed November 2, 2021 <u>NWPL Home v3.4-f9c (army.mil)</u>

 Native per Hitchcock & Cronquist 2018 and PLANTS database
 http://plants.usda.gov/

 Invasive per Clean Water Services 2020
 http://cleanwaterservices.org/permits-development/design-construction-standard

 Noxious per ODA 2021:

https://www.oregon.gov/ODA/programs/Weeds/OregonNoxiousWeeds/Pages/AboutOregonWeeds.aspx

WETLAND INDICATOR STATUS (WIS)	
OBL	Obligate Wetland Plant – Almost always occurs in wetlands (hydrophyte), rarely in uplands
FACW	Facultative Wetland Plant - Usually occur in wetlands (hydrophyte), but may occur found in non-wetlands
FAC	Facultative Plant – Occurs in wetlands (hydrophyte) and uplands (nonhydrophyte)
FACU	Facultative Upland Plant - Usually occur in non-wetlands (non-hydrophyte), but may occur in wetlands
UPL	Upland Plant - Almost always occurs in uplands (non-hydrophyte), almost never occurs in wetlands. UPL plants have a WIS in other regions
NOL	Not Listed - Plants that are not on the National Wetland Plant List are assumed to be UPL and have no WIS in any region