

Sewall Wetland Consulting, Inc.

PO Box 880 Fall City, WA 98024 Phone: 253-859-0515

June 2, 2024

Zach Schneider Schneider Homes, Inc. 6510 Southcenter Boulevard Tukwila, Washington 98188

RE: Critical Area Report – Parcel #7383400120 City of Renton, Washington SWC Job #24-135

Dear Zach,

This report describes our observations of jurisdictional wetlands, streams and buffers on or within 200' of Parcel #7383400120, located at 19509 138th Avenue Se in the City of Renton, Washington (the "site").



Above: iMap Vicinity Map of the site

The irregular shaped 2.31 acre site is bounded by 138th Avenue SE on the northeast and single family homes surrounding the site.

METHODOLOGY

Ed Sewall of Sewall Wetland Consulting, Inc. inspected the site April 30, 2024. The site was reviewed using methodology described in the *Corps of Engineers Wetlands Delineation Manual* (Environmental Laboratory, 1987), and the *Western Mountains, Valleys and Coast region Supplement* (Version 2.0) dated June 24, 2010, as required by the US Army Corps of Engineers. Soil colors were identified using the 1990 Edited and Revised Edition of the Munsell Soil Color Charts (Kollmorgen Instruments Corp. 1990).



Above: iMap Vicinity Map of the site

OBSERVATIONS

Existing Site Documentation.

Prior to visiting the site, a review of several natural resource inventory maps was conducted including the National Wetland Inventory Map and the NRCS Soil Survey online mapping and Data and the King County iMap website with wetland and stream layers activated and WADNR Fpars website.

King County iMap

The King County iMap website with wetland and stream layers activated depicts no wetlands or streams on or near the site (see image page 2 of this report).

Soil Survey

According to the NRCS Soil Mapper, the site is mapped as moderately well drained Alderwood gravelly sandy loam. Alderwood soils are not considered to be a hydric (or wetland) soil.

National Wetlands Inventory (NWI)

According to the NWI map for the site, there are no wetlands on or near the site.

Above: USDA Soil Survey Map of the site

Above: National Wetlands Inventory Map of the site.

WADNR Fpars Stream Mapping

According to the WADNR Fpars stream map, there are no streams on or near the site.

Above: WDFW Fpars stream mapping

Field observations

Thesite contains a single family home with associated paved driveway and landscaped areas around the home. The remainder of the site is a deciduous forested areas located on a rolling west facing hillside. As previously described, the site is surrounded by existing single family homes as well as a paved City street. The site has a slope to the west and south.

The forested area has thickets of blackberry under a mixed overstory of big leaf maple, Douglas fir, western hemlock, madrone, western red cedar and cascara. Understory species include Himalayan blackberry, Indian plum, scotch broom, red elderberry, red huckleberry, vine maple, sword fern and creeping blackberry. Soil pits excavated throughout the site generally have dry, gravelly sandy soils with high chromas similar to the profile description of the Alderwood soil series. Soils throughout the site were dry during the time of our field investigation.

No areas of wetland vegetation or wetland conditions were found on or near the site. No streams were found on or near the site.

Conclusion

No wetlands, streams or buffers are located on the site.

If you have any questions in regards to this report or need additional information, please feel free to contact me at (253) 859-0515 or at <u>esewall@sewallwc.com</u>.

Sincerely, Sewall Wetland Consulting, Inc.

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Ed Sewall Senior Wetlands Ecologist PWS #212

Attached: Data sheets

REFERENCES

Cowardin, L., V. Carter, F. Golet, and E. LaRoe. 1979. Classification of Wetlands and Deepwater Habitats of the United States. U.S. Fish and Wildlife Service, FWS/OBS-79-31, Washington, D. C.

Environmental Laboratory. 1987. Corps of Engineers Wetlands Delineation Manual, Technical Report Y-87-1. U. S. Army Corps of Engineers Waterways Experiment Station, Vicksburg, Mississippi.

Muller-Dombois, D. and H. Ellenberg. 1974. Aims and Methods of Vegetation Ecology. John Wiley & Sons, Inc. New York, New York.

Munsell Color. 1988. Munsell Soil Color Charts. Kollmorgen Instruments Corp., Baltimore, Maryland.

National Technical Committee for Hydric Soils. 1991. Hydric Soils of the United States. USDA Misc. Publ. No. 1491.

Reed, P., Jr. 1988. National List of Plant Species that Occur in Wetlands: Northwest (Region 9). 1988. U. S. Fish and Wildlife Service, Inland Freshwater Ecology Section, St. Petersburg, Florida.

Reed, P.B. Jr. 1993. 1993 Supplement to the list of plant species that occur in wetlands: Northwest (Region 9). USFWS supplement to Biol. Rpt. 88(26.9) May 1988.

USDA NRCS & National Technical Committee for Hydric Soils, September 1995. Field Indicators of Hydric Soils in the United States - Version 2.1

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WETLAND DE	TERMINATION	DATA FORI	M – Wes	tern Mou	ntains, Valleys, and Coast Region	
Project/Site: Schulth	- Bese		City/County	r Cu	t of Rutan Sampling Date: 4-36)- ZY
Applicant/Owner:					State: WA Sampling Point: DP#	1
Investigator(s): 20	Send		Section, To	wnship, Ra	nge:	
Landform (hillslope, terrace, etc.):			Local relie	f (concave,	convex, none): Slope (%):	
Subregion (LRR):		Lat:			Long: Datum:	
Soil Map Unit Name: A12	denned				NWI classification:	
Are climatic / hydrologic conditions of	on the site typical for	this time of yea	ar? Yes	No	(If no, explain in Remarks.)	
Are Vegetation, Soil	, or Hydrology	significantly	disturbed?	* erA	Normal Circumstances" present? Yes No	
Are Vegetation, Soil	, or Hydrology	naturally pro	blematic?	(if ne	eded, explain any answers in Remarks.)	
SUMMARY OF FINDINGS -	Attach site ma	ap showing	samplin	ig point l	ocations, transects, important features, o	etc.
Hydrophytic Vegetation Present?	Yës	No				
Hydric Soil Present?	Yes	No	- IS U	ie sampied	nd? Ves No	
Wetland Hydrology Present?	Yes	No	Witt	III a VICLIAI		
VEGETATION - Lise scient	ific names of n	ante	and the second secon	. We can a feature the state of		
	ine names of p	Abeniute	Dominant	Indicator	Dominance Test worksheet	
Tree Stratum (Plot size:)	<u>% Cover</u>	Species?	Status	Number of Dominant Species	ŀ
1. Aan macry	, Hm	60		FACL	That Are OBL, FACW, or FAC: (A	v
2.					Total Number of Dominant	
3				*********	Species Across All Strata: (B	»
*.			= Total Co		Percent of Dominant Species 25	
Sapling/Shrub Stratum (Plot size:)				That Are OBL, FACVV, or FAC: (A	VB) [
1. Oentan cer	auting	_ <u>30</u> _		<u>PAID</u>	Prevalence Index worksheet:	
2. 162605 713	com			FAC	OPL consistence of Multiply by:	
3					FACW species x 2 =	
5.				*****	FAC species x3 =	
			= Total Co	ver	FACU species x 4 =	
Herb Stratum (Plot size:)				UPL species x 5 =	
1. Joly stichen	Maria	_ 70	4-8-6	-FE	Column Totals: (A) ((B)
2.					Prevalence Index = B/A =	
4		inginal magin anna inginalisana			Hydrophytic Vegetation Indicators:	
5					Dominance Test is >50%	
6					Prevalence Index is ≤3.0 ¹	
7.					Morphological Adaptations' (Provide supporting)
8				-	Wetland Non-Vascular Plants ¹	
9		·····			Problematic Hydrophytic Vegetation ¹ (Explain)	
10.					¹ Indicators of hydric soil and wetland hydrology mus	at
ŧ1	<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>		= Total Co		be present, unless disturbed or problematic.	
Woody Vine Stratum (Plot size:)			151		
1			entren 1991, manuel	-	Hydrophytic	
2					Present? Yes No	
% Bare Ground in Herb Stratum			= Total Co	ver		
Remarks:		*****			1	
					***************************************	نـــــ

US Army Corps of Engineers

SOIL

Sampling Point:

Profile Descr	iption: (Describ	e to the depth	n needed to docu	ment the i	ndicator	or confirm	n the absence of	indicators.)	
Depth	Matrix		Redo	ox Feature	<u>s</u>				
(inches)	Color (moist)	%	Color (moist)	%	<u>Type</u> ¹	_Loc ²	Texture	Remark	<u>s</u>
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				<u> </u>			<u> </u>		
	- 4			<u> </u>					
		<u> </u>							
¹ Type: C=Co	ncentration, D=De	pletion, RM=F	Reduced Matrix, C	S=Covered	d or Coate	d Sand Gr	rains. ² Locat	ion: PL=Pore Lining,	M=Matrix.
Hydric Soll Ir	dicators: (Appli	cable to all L	RRs, unless othe	rwise not	ēd.)		Indicators fo	r Problematic Hydri	c Solls ³ :
Histosol (A1)		Sandy Red	lox (S5)			1 cm Mu	ck (A9) (LRR C)	
Histic Epi	pedon (A2)		Stripped M	atrix (S6)			2 cm Mu	ck (A10) (LRR B)	
Black His	tic (A3)	•	Loamy Mud	cky Minera	l (F1)		Reduced	Vertic (F18)	
Hydrogen	sulfide (A4)		Loamy Gle	yed Matrix	(F2)		Red Pare	ent Material (TF2)	
Stratified	Layers (A5) (LRR	C)	Depleted N	latrix (F3)			Other (E)	kplain in Remarks)	
1 cm Muc	k (A9) (LRR D)		Redox Dar	k Surface	(F6)				
Depleted	Below Dark Surfa	ce (A11)	Depleted D	ark Surfac	:e (F7)				
Thick Dar	k Surface (A12)		Redox Dep	pressions (F8)		³ Indicators of	hydrophytic vegetation	on and
Sandy Mu	ucky Mineral (S1)		Vernal Poo	ls (F9)			wetland hy	drology must be pres	ent,
Sandy Gl	eyed Matrix (S4)						unless dist	urbed or problematic.	•
Restrictive La	ayer (if present):								
Туре:									
Depth (incl	nes):						Hydric Soil Pr	resent? Yes	No
					<u></u>				
IYDROLOG	βY								
Wetland Hyd	rology indicators	61							
Primary Indica	ators (minimum of	one required;	check all that app	ly)			Seconda	ary Indicators (2 or m	ore required)
Surface V	Vater (A1)		Salt Crust	t (B11)			Wat	er Marks (B1) (River	ine)
High Wate	er Table (A2)		Biotic Cru	st (B12)			Sed	iment Deposits (B2)	(Riverine)
Saturation	n (A3)		Aquatic In	vertebrate	s (B13)		Drift	Deposits (B3) (Rive	rine)
Water Ma	irks (B1) (Nonrive	rine)	Hydrogen	Sulfide O	dor (C1)		Drai	nage Patterns (B10)	-
Sediment	Deposits (B2) (N	onriverine)	Oxidized	Rhizosphe	res alona	Living Roo	ots (C3) Drv=	Season Water Table	(C2)
Drift Depo	osits (B3) (Nonriv	erine)	Presence	of Reduce	d Iron (C4	.)	Crav	vfish Burrows (C8)	()
Surface S	oil Cracks (B6)	,	Recent Irr	n Reducti	on in Tiller	, Soils (C6) Satu	ration Visible on Aer	ial Imagen (CO)
Inundation	n Visible on Aerial	Imagery (B7)	Thin Muck	c Surface (C7)	1 0013 (00	,, <u> </u>	How Aquitard (D3)	a mayery (C3)
Water-Sta	ained Leaves (B9)	inagery (Br)	Other (Ex	Noin in Pa	() morke)		51a	Noutrol Test (D5)	
Field Observe	atione:				inaina)	1			
	Decent2	V N							
Surface water	r Present?			icries):					
vvater ⊺able P	resent?	res N	o Depth (in	iches):		-			/
Saturation Pre (includes capi	esent? Ilary fringe)	Yes N	o Depth (in	iches):		_ Wetla	and Hydrology F	Present? Yes	No
Describe Reco	orded Data (strea	n gauge, mon	itoring well, aerial	photos, pr	evious ins	pections),	if available:		
Domantica	· · · · · · · · · · · · · · · · · · ·								
Remarks:									

			such
WETLAND DETERMINATION DATA FO	RM – Western	Mountains, Valleys, and	d Coast Region
Project/Site: Schully - Bese	_ City/County:	Ruter	Sampling Date: 4-30-24
Applicant/Owner:		State: WA	Sampling Point:
Investigator(s):	_ Section, Townsh	nip, Range:	
Landform (hillslope, terrace, etc.):	_ Local relief (cor	icave, convex, none):	Slope (%):
Subregion (LRR): Lat:		Long:	Datum:
Soil Map Unit Name: Alder man	un diski nivego" umiti dengin (institutionalise pinja) pinakenya jug	NWI classific	cation:
Are climatic / hydrologic conditions on the site typical for this time of	year? Yes 🗹	No (If no, explain in F	lemarks.)
Are Vegetation, Soil, or Hydrology significant	lly disturbed?	Are "Normal Circumstances"	present? Yes No
Are Vegetation, Soil, or Hydrology naturally p	problematic?	(If needed, explain any answe	ers in Remarks.)
SUMMARY OF FINDINGS - Attach site map showin	ng sampling p	oint locations, transects	, important features, etc.

Hydrophylic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes No Yes No Yes No	Is the Sampled Area within a Wetland?	Yes No
Remarks:			

VEGETATION – Use scientific names of plants.

1

	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size:)	% Cover	Species?	Status	Number of Dominant Species
1. Aan macrystythy	30		FACU	That Are OBL, FACW, or FAC: (A)
2 Psreditsuga merznesm	30		NAL	
	ent - artestendentsisiensen			Total Number of Dominant
.			-	Species Across All Strata: (B)
4.		<u></u>		Percent of Dominant Species
		_= Total Co	ver	That Are OBL, FACW, or FAC: 25 (A/B)
Sapling/Shrub Stratum (Plot size:)			FALL	
1. Smbreis Comesa				Prevalence Index worksheet:
2. Rubus durch	30		FAL	Total % Cover of: Multiply by:
3				OBL species x 1 =
4.				FACW species x 2 =
5				FAC species x 3 =
		= Total Co	ver	FACU species x 4 =
Herb Stratum (Plot size:)		-		UPL species x 5 =
1. Ribus ursnig			ALL	Column Totals: (A) (B)
2				
3.				Prevalence Index = B/A =
4.				Hydrophytic Vegetation Indicators:
5	·····			Dominance Test is >50%
6			*******	Prevalence Index is ≤3.0 ¹
7				Morphological Adaptations ¹ (Provide supporting
8		******		data in Remarks or on a separate sheet)
0		*****		Wetland Non-Vascular Plants
10				Problematic Hydrophytic Vegetation ¹ (Explain)
14				¹ Indicators of hydric soil and wetland hydrology must
· · · · · · · · · · · · · · · · · · ·				be present, unless disturbed or problematic.
Woody Vine Stratum (Plot size:	and the first section of the section	= Total Cov	rer	
A A A A A A A A A A A A A A A A A A A				
1		-	***************	Hydrophytic Versetation
2.				Present? Yes No >
N Para Carund in Mark Stantum		= Total Cov	er	
% bare Ground in Herb Stratum				
Remarks:				

US Army Corps of Engineers

SOIL

Sampling Point:

Jepun incher	Mainx	<u>a</u>	Catas (01 01	7	12	····	A 10 1 1 1
ncnes)		<u>%</u>	Color (moist)	%	Type	Loc-	<u>l exture</u>	Remarks
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ype: C=Co	ncentration, D=Deple	tion, RM=R	educed Matrix, C	S=Covered	or Coate	d Sand Gr	ains. ² l	ocation: PL=Pore Lining, M=Matrix.
ydric Soil Ir	dicators: (Applica	ble to all LF	IRs, unless othe	rwise note	d.)		Indica	itors for Problematic Hydric Solis':
Histosol (A1)		Sandy Redox	S5)				cm Muck (A10)
_ Histic Epi	pedon (A2)		_ Stripped Matri:	(S6)			R	ed Parent Material (TF2)
Black His	tic (A3)		_ Loamy Mucky	Mineral (F1) (except	MLRA 1)	0	ther (Explain in Remarks)
Hydrogen	i Suinde (A4) Relevi Dark Suifean		_ Loamy Gleyed	Matrix (F2)	¢.			
Thick Dec	below Dark Surface	(AU)	- Depieted Math	x (FJ) vitaca (EG)			31-11-	then of hudsonhudio
Sandu Mi	n Juliace (M12)		_ neuux Uark Si Deniatad Dad	surface (FO)	71		INDIC	alors of nyorophytic vegetation and
Sandy All	eved Matrix (S4)		Redox Depres	sions (FR)	12		we	ass disturbed or problematic
estrictive L	aver (if present):						T	we assured as brancitique.
Type								
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/DROLOG letland Hyd rimary Indica _ Surface V _ High Wat	BY rology Indicators: ntors (minimum of on Vater (A1) er Table (A2)	e required; c	heck all that app Water-Sta 1, 2, 4	ly) lined Leave A, and 48)	s (B9) (e;	xcept MLR	<u>Ser</u>	condary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B)
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