Wetlands Northwest LLC

August 11, 2022

Terry Grooms, Stack Design and Construction LLC 8825 34th Avenue NE # L410 Marysville, WA, 98271-8085

Re: Tax Parcel 30050900202201, 3807 122nd Street Northeast Marysville, WA 98270

Dear Mr. Grooms,

Following my site visit on July 27th, 2022, I have determined there no wetland or stream encumbrances that is regulated by the Marysville Municipal Code (MMC) Chapter 22E.010, Articles II and III on your property where you are planning a future subdivision.

The 1.25-acre parcel (see Figure 1 for location) is developed with a single-family home, adjoining outbuilding, driveway, landscaping and is void of any native vegetation (see Figure 2 aerial). There is a ditch along the western boundary that receives treated stormwater from the properties to the north (see Photo 1) whose drainage is conveyed to the City's stormwater network (see Figure 3 for stormwater utility network).

According to the Snohomish County Soils Survey, the entire property is mapped as Custer fine sandy (see Figures 2 and 3 for data point locations). Custer fine sandy loam is a "poorly drained" soil having cemented layers in the B layer. This mapping unit can also have profiles without hardpan in the subsoil. Data points DP-1, DP-2 and DP-3 (see attached and photos 2,3 and 4) confirmed the absence of all three wetland indicators. Adjacent properties have well established Douglas-fir (an upland plant) which are thriving at similar elevations on the property. According to Snohomish County and Department of Natural Resources (DNR) Inventories, there are no wetlands or streams inventoried within 215 feet of your property (see Figure 3).

The geotechnical report authored by *Terra Associates Inc.* dated 03/21/2022 encountered groundwater at explorations between 3 and 5 feet during a February 21, 2022 observation and recommended the area suitable for residential development. The groundwater at this depth fails to create a capillary fringe within 12 inches from the surface early in the growing season.

The laws applicable to critical areas are subject to varying interpretations. The work for this report has conformed to the standard of care employed by professional ecologists in the Puget Sound region. No other representation or warranty, expressed or implied, is made concerning the work or this report. This report is based largely on readily observable conditions and, to a lesser extent, on readily ascertainable conditions. No attempt has been made to determine hidden or concealed conditions. If hidden or concealed conditions arise, the information contained in this report may change based upon those conditions.

If you have any questions, feel free to contact me at 206-554-1628.

Robert King, PWS Owner

5218 Ivanhoe PL NE Seattle, WA 98105 206-554-1628 www.wetlandsnw.com

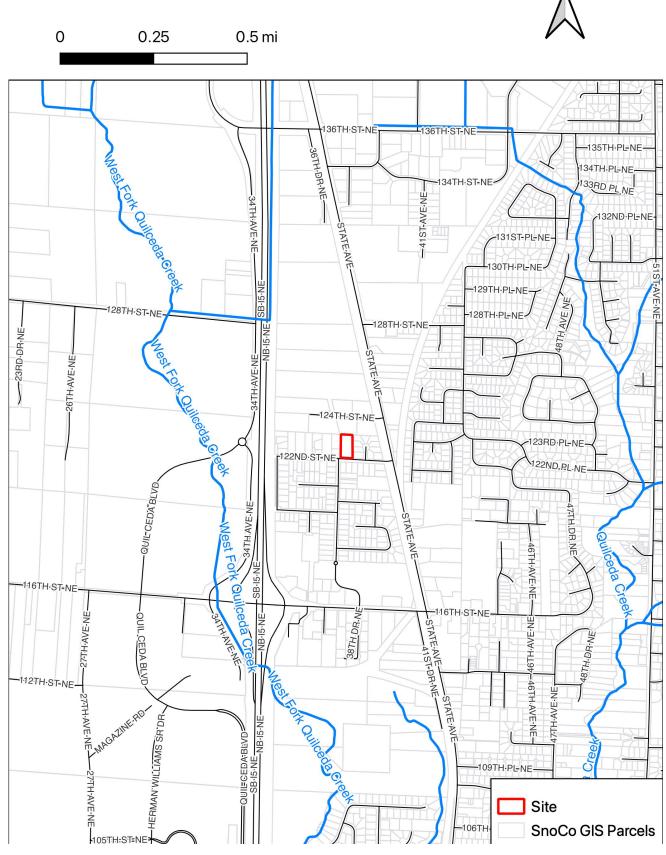
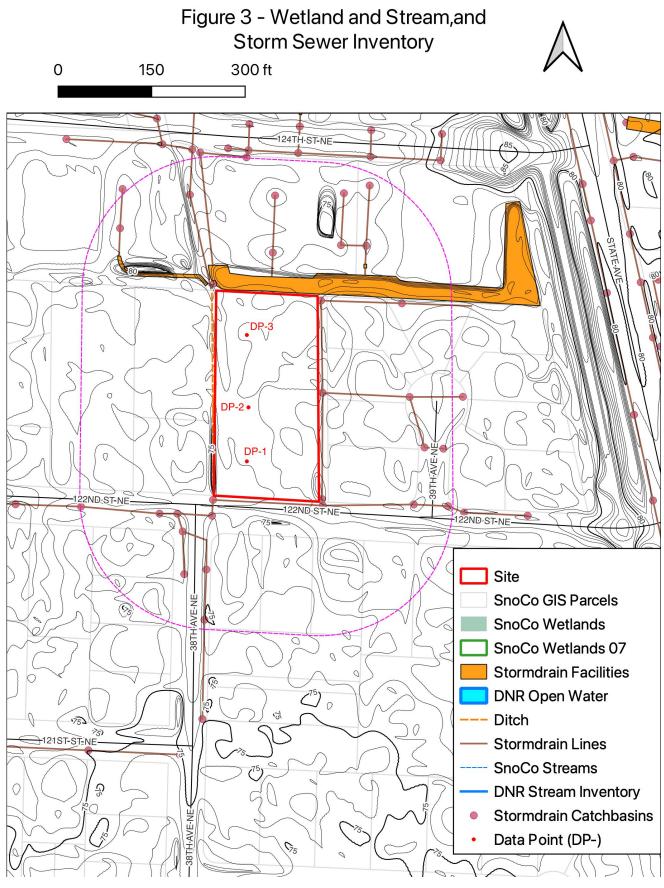


Figure 1 - Vicinity Map

Wetlands Northwest LLC



Wetlands Northwest LLC



Wetlands Northwest LLC



Photo 1 – Stormwater from north property



Photo 2 - DP-1



Photo 3 – DP-2



Photo 4 – DP-3

Attachments

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

Project/Site:	Stack De	esign and Consti	ruction	City/County:	Marys	Marysville		Sampling Date:		07-27-2022		
Applicant/Owr	ner: St	ack Design and	Construction		State	WA	Sampling	Point:	DP-1			
Investigator(s)	: R.	King		Section,	Township,	Range:	NW 09,	30N, 05	E			
Landform (hills	slope, te	rrace, etc.):	Terrace	L	ocal relief	(concave	, convex, i	none):	none		Slope (%):	0-5%
Subregion (LF	RR): /	۹		Lat:		Long:			Datum:			
Soil Map Unit	Name:	Custer					N	WI class	ification:	N/A		
Are climatic / h	nydrologi	ic conditions	on the site typic	cal for this ti	me of year	? Yes	x No	(lf n	o, explain ir	Remark	s.)	
Are Vegetation	n	, Soil	, or Hydrolog	y sigi	nificantly di	sturbed?	Are "N	ormal Ci	rcumstances	s" preser	it? Yes x	No
Are Vegetation	n	, Soil	, or Hydrolog	y nat	urally probl	ematic?		(If neede	d, explain a	ny answe	ers in Remark	s.)
SUMMARY	OF FI	NDINGS -	Attach site	e map sh	owing sa	ampling	g point l	locatio	ns, trans	ects, ir	nportant f	eatures, etc

	- Allach sile map sho	wing sampling point locations, that	iscols, important realures, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes No x Yes No x Yes No x	Is the Sampled Area within a Wetland?	Yes No
Remarks:			

VEGETATION – Use scientific names of plants.

	Absolute	Dominant	Indicator	Dominance Test work	sneet:
<u>Tree Stratum</u> (Plot size:) 1.	<u>% Cover</u>	Species?	<u>Status</u>	Number of Dominant Sp That Are OBL, FACW, o	
1 2				Total Number of Domin	、 /
3				Species Across All Stra	ta: <u>2</u> (B)
4.				Percent of Dominant Sp That Are OBL, FACW, o	
		= Total Cove	er		
Sapling/Shrub Stratum (Plot size:)				Prevalence Index wor	ksheet:
1				Total % Cover of:	Multiply by:
2				OBL species	x 1 =
3				FACW species	x 2
4				FAC species	x 3
5				FACU species	x 4
		= Total Cove	er	UPL species	x 5 =
Herb Stratum (Plot size:)				Column Totals:	(A) (B)
1. Agrostis capillaris	80	Y	FAC		
2. Taraxacum officinale	20	Y	FACU	Prevalence Index = B/A	\ =
3				I hadaa ahaatia Maaadadia	
4				Hydrophytic Vegetatio	on indicators:
4					
5				· ·	ydrophytic Vegetation
5 6				2 - Dominance Test	is >50%
5 6 7				2 - Dominance Test 3 - Prevalence Index	is >50% x is ≤3.0 ¹
5.				2 - Dominance Test 3 - Prevalence Index 4 - Morphological Ac	is >50% x is ≤3.0 ¹ daptations ¹ (Provide supporting
5.				2 - Dominance Test 3 - Prevalence Index 4 - Morphological Ac data in Remarks or	is >50% x is ≤3.0 ¹ daptations ¹ (Provide supporting on a separate sheet)
5. 6. 7. 8. 9. 10.				2 - Dominance Test 3 - Prevalence Index 4 - Morphological Ad data in Remarks or 5 - Wetland Non-Va	is >50% x is ≤3.0 ¹ daptations ¹ (Provide supporting on a separate sheet) scular Plants ¹
5.		- Total Cov		2 - Dominance Test 3 - Prevalence Index 4 - Morphological Additionation of the second secon	is >50% x is ≤3.0 ¹ daptations ¹ (Provide supporting on a separate sheet) scular Plants ¹ hytic Vegetation ¹ (Explain)
5.		= Total Cove		2 - Dominance Test 3 - Prevalence Index 4 - Morphological Additional Additi	is >50% x is ≤3.0 ¹ daptations ¹ (Provide supporting on a separate sheet) scular Plants ¹ hytic Vegetation ¹ (Explain) I and wetland hydrology must
5.		= Total Cove		2 - Dominance Test 3 - Prevalence Index 4 - Morphological Additionation of the second secon	is >50% x is ≤3.0 ¹ daptations ¹ (Provide supporting on a separate sheet) scular Plants ¹ hytic Vegetation ¹ (Explain) I and wetland hydrology must
5.		= Total Cove	er	2 - Dominance Test 3 - Prevalence Index 4 - Morphological Additional Additi	is >50% x is ≤3.0 ¹ daptations ¹ (Provide supporting on a separate sheet) scular Plants ¹ hytic Vegetation ¹ (Explain) I and wetland hydrology must
5.				2 - Dominance Test 3 - Prevalence Index 4 - Morphological Additional Additiona Additio	is >50% x is ≤3.0 ¹ daptations ¹ (Provide supporting on a separate sheet) scular Plants ¹ hytic Vegetation ¹ (Explain) I and wetland hydrology must
5.		= Total Cove		2 - Dominance Test 3 - Prevalence Index 4 - Morphological Additional Additiona Additio	is >50% x is ≤3.0 ¹ daptations ¹ (Provide supporting on a separate sheet) scular Plants ¹ hytic Vegetation ¹ (Explain) I and wetland hydrology must urbed or problematic.
5.				2 - Dominance Test 3 - Prevalence Index 4 - Morphological Additional Additiona Additio	is >50% x is ≤3.0 ¹ daptations ¹ (Provide supporting on a separate sheet) scular Plants ¹ hytic Vegetation ¹ (Explain) I and wetland hydrology must
5.				2 - Dominance Test 3 - Prevalence Index 4 - Morphological Additional Additiona Additio	is >50% x is ≤3.0 ¹ daptations ¹ (Provide supporting on a separate sheet) scular Plants ¹ hytic Vegetation ¹ (Explain) I and wetland hydrology must urbed or problematic.
5.				2 - Dominance Test 3 - Prevalence Index 4 - Morphological Additional Additiona Additio	is >50% x is ≤3.0 ¹ daptations ¹ (Provide supporting on a separate sheet) scular Plants ¹ hytic Vegetation ¹ (Explain) I and wetland hydrology must urbed or problematic.

SOIL								Sampling Point: DP-1	
Profile Descr Depth	iption: (Describe Matrix	to the	depth r		ent the indic Redox Featur		confirm the a	bsence of indicators.))
(inches)	Color (moist)	%		Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-10	10YR 3/2							sandy loam	
10-18+	10YR 4/3	95		10YR 4/6				"	
1 Type: C=Cor		oletion	 RM=Re	duced Matrix, CS=	Covered or (Coated S	and Grains	² Location: PL=Pore	Lining M=Matrix
-		icable t	o all LR	Rs, unless other				cators for Problemati	c Hydric Soils':
Histosol (Histic Epi	A1) ipedon (A2)			Sandy Redox (S5 Stripped Matrix (S				2 cm Muck (A10) Red Parent Material (T	F2)
Black His				Loamy Mucky Mir		cept ML		Very Shallow Dark Sur	
	n Sulfide (A4) Below Dark Surfa	00 (11	、 —	Loamy Gleyed Ma				Other (Explain in Rema	arks)
	rk Surface (A12)	Ce (ATT)	Depleted Matrix (F Redox Dark Surfa				³ Indicators of hydrophy	tic vegetation and
	ucky Mineral (S1)		_	Depleted Dark Su	rface (F7)			wetland hydrology mus	t be present,
Sandy GI	eyed Matrix (S4)			Redox Depression	ns (F8)			unless disturbed or pro	blematic
Restrictive Lay Type: Depth (inche Remarks:						Hydric S	oil Present?	Yes	No <u>x</u>
HYDROLOGY									
	logy Indicators: ors (minimum of or	ne reauii	ed: che	ck all that apply)			Secor	ndary Indicators (2 or m	ore required)
				Water-Stained) (except	t W	ater-Stained Leaves (B	
Surface Wat	()		-	MLRA 1, 2, 44 Salt Crust (B1				A, and 4B) rainage Patterns (B10)	
Saturation (A	A3)		-	Aquatic Inverte	ebrates (B13		Di	ry-Season Water Table	
Water Marks	s (B1)		-	Hydrogen Sulf Oxidized Rhiz				aturation Visible on Aer	ial Imagery (C9)
Sediment De	eposits (B2)			Roots (C3)	ospileres alo			eomorphic Position (D2)
Drift Deposit	s (B3)		-	Presence of R		· · ·	SI	nallow Aquitard (D3)	
Algal Mat or	Crust (B4)		-	Recent Iron Recent			F#	AC-Neutral Test (D5)	
Iron Deposits	s (B5)			Stunted or Structure (LRR A)	essed Plants	s (D1)	Ra	aised Ant Mounds (D6)	(LRR A)
Surface Soil	· · /			Other (Explain	in Remarks)	Fr	ost-Heave Hummocks	(D7)
	isible on Aerial Im								
		2	()						
Field Observati									
Surface Water F Water Table Pre			No <u>x</u> No x	Depth (inches): Depth (inches):	N/A >18	- w	etland Hydro	logy Present? Yes	s No x
Saturation Prese	ent?			,		- "			
(includes capilla	ry fringe) Yes	1	lo x	Depth (inches):	>18	_			

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

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

Project/Site:	Stack De	esign and Consti	ruction	City/County	: Marys	Marysville		Sampling Date:		07-27-2022		
Applicant/Owr	ner: St	ack Design and	Construction		State	WA	Sampling	Point:	DP-2			
Investigator(s)	: R.	King		Section	, Township,	Range:	NW 09,	30N, 05I				
Landform (hills	slope, te	rrace, etc.):	Terrace		Local relief	(concave	, convex,	none):	none		Slope (%):	0-5%
Subregion (LF	RR): /	۹		Lat:		Long:			Datum:			
Soil Map Unit	Name:	Custer					N	WI class	ification:	N/A		
Are climatic / h	nydrologi	ic conditions	on the site typi	cal for this t	ime of year	? Yes	x No	(lf n	o, explain ir	Remark	(s.)	
Are Vegetation	n	, Soil	, or Hydrolog	y sig	nificantly di	sturbed?	Are "N	ormal Ci	rcumstances	s" preser	nt? Yes x	No
Are Vegetation	n	, Soil	, or Hydrolog	y na	turally probl	ematic?		(If neede	d, explain a	ny answe	ers in Remark	s.)
SUMMARY	OF FI	NDINGS -	Attach site	e map sh	lowing sa	ampling	g point l	locatio	ns, trans	ects, ir	mportant f	eatures, etc

	- Allach sile map sho	wing sampling point locations, trai	isecis, important reatures, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes No x Yes No x Yes No x	Is the Sampled Area within a Wetland?	Yes No
Remarks:			

VEGETATION – Use scientific names of plants.

	Absolute	Dominant	Indicator	Dominance Test work	sneet:
<u>Tree Stratum</u> (Plot size:) 1	<u>% Cover</u>	Species?	<u>Status</u>	Number of Dominant Sp That Are OBL, FACW, o	
2.				Total Number of Domin	
3				Species Across All Stra	ita: <u>2</u> (B)
4.				Percent of Dominant Sp That Are OBL, FACW, o	
		= Total Cove	er		
Sapling/Shrub Stratum (Plot size:)				Prevalence Index wor	ksheet:
1				Total % Cover of:	Multiply by:
2				OBL species	x 1 =
3				FACW species	x 2
4				FAC species	x 3
5				FACU species	x 4
		= Total Cove	er	UPL species	x 5 =
Herb Stratum (Plot size:)				Column Totals:	(A) (B)
1. Agrostis capillaris	20	Y	FAC		
2. Taraxacum officinale	80	Y	FACU	Prevalence Index = B/A	\ =
3				l hadaa a hadi a Maaadadi	
4				Hydrophytic Vegetatio	on indicators:
4					
5				· ·	ydrophytic Vegetation
5 6				2 - Dominance Test	is >50%
5 6 7				2 - Dominance Test 3 - Prevalence Inde	is >50% x is ≤3.0 ¹
5.				2 - Dominance Test 3 - Prevalence Inde 4 - Morphological Ad	is >50% x is ≤3.0 ¹ daptations ¹ (Provide supporting
5.				2 - Dominance Test 3 - Prevalence Inde 4 - Morphological Ad data in Remarks or	is >50% x is ≤3.0 ¹ daptations ¹ (Provide supporting on a separate sheet)
5. 6. 7. 8. 9. 10.				2 - Dominance Test 3 - Prevalence Inde: 4 - Morphological Additional Additiona Additio	is >50% x is ≤3.0 ¹ daptations ¹ (Provide supporting on a separate sheet) scular Plants ¹
5.		- Total Cov		2 - Dominance Test 3 - Prevalence Index 4 - Morphological Address data in Remarks or 5 - Wetland Non-Va Problematic Hydrop	is >50% x is ≤3.0 ¹ daptations ¹ (Provide supporting on a separate sheet) scular Plants ¹ hytic Vegetation ¹ (Explain)
5.		= Total Cove	er en	2 - Dominance Test 3 - Prevalence Index 4 - Morphological Addition data in Remarks or 5 - Wetland Non-Va Problematic Hydrop ¹ Indicators of hydric soi	is >50% x is ≤3.0 ¹ daptations ¹ (Provide supporting on a separate sheet) scular Plants ¹ hytic Vegetation ¹ (Explain) I and wetland hydrology must
5.		= Total Cove	er	2 - Dominance Test 3 - Prevalence Index 4 - Morphological Address data in Remarks or 5 - Wetland Non-Va Problematic Hydrop	is >50% x is ≤3.0 ¹ daptations ¹ (Provide supporting on a separate sheet) scular Plants ¹ hytic Vegetation ¹ (Explain) I and wetland hydrology must
5.		= Total Cove	er	2 - Dominance Test 3 - Prevalence Index 4 - Morphological Addition data in Remarks or 5 - Wetland Non-Va Problematic Hydrop ¹ Indicators of hydric soi	is >50% x is ≤3.0 ¹ daptations ¹ (Provide supporting on a separate sheet) scular Plants ¹ hytic Vegetation ¹ (Explain) I and wetland hydrology must
5.				2 - Dominance Test 3 - Prevalence Inde: 4 - Morphological Additional Additiona Additio	is >50% x is ≤3.0 ¹ daptations ¹ (Provide supporting on a separate sheet) scular Plants ¹ hytic Vegetation ¹ (Explain) I and wetland hydrology must
5.		= Total Cove		2 - Dominance Test 3 - Prevalence Inde: 4 - Morphological Additional Additiona Additio	is >50% x is ≤3.0 ¹ daptations ¹ (Provide supporting on a separate sheet) iscular Plants ¹ hytic Vegetation ¹ (Explain) I and wetland hydrology must urbed or problematic.
5.				2 - Dominance Test 3 - Prevalence Inde: 4 - Morphological Additional Additiona Additio	is >50% x is ≤3.0 ¹ daptations ¹ (Provide supporting on a separate sheet) scular Plants ¹ hytic Vegetation ¹ (Explain) I and wetland hydrology must
5.				2 - Dominance Test 3 - Prevalence Inde: 4 - Morphological Additional Additiona Additio	is >50% x is ≤3.0 ¹ daptations ¹ (Provide supporting on a separate sheet) iscular Plants ¹ hytic Vegetation ¹ (Explain) I and wetland hydrology must urbed or problematic.
5.				2 - Dominance Test 3 - Prevalence Inde: 4 - Morphological Additional Additiona Additio	is >50% x is ≤3.0 ¹ daptations ¹ (Provide supporting on a separate sheet) iscular Plants ¹ hytic Vegetation ¹ (Explain) I and wetland hydrology must urbed or problematic.

SOIL	Sampling Point: DP-2
Profile Description: (Describe to the depth needed to document the indi	
Depth Matrix Redox Feature (inches) Color (moist) % Color (moist) %	ires Type ¹ Loc ² Texture Remarks
<u>0-10</u> <u>10YR 3/2</u>	sandy loam
<u>10-18+</u> <u>10YR 4/3</u> <u>95</u> <u>10YR 4/6</u>	<u>"</u>
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or	Coated Sand Grains. ² Location: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ :
Histosol (A1) Sandy Redox (S5)	2 cm Muck (A10)
Histic Epipedon (A2) Stripped Matrix (S6)	Red Parent Material (TF2)
Black Histic (A3) Loamy Mucky Mineral (F1) (e	
Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Depleted Matrix (F3)	Other (Explain in Remarks)
Thick Dark Surface (A12) Redox Dark Surface (F6)	³ Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1) Depleted Dark Surface (F7)	wetland hydrology must be present,
Sandy Gleyed Matrix (S4) Redox Depressions (F8)	unless disturbed or problematic
Restrictive Layer (if present):	
Type:	Hydric Soil Present? Yes No x
Depth (inches):	
Remarks:	
HYDROLOGY	
Wetland Hydrology Indicators:	
Primary Indicators (minimum of one required; check all that apply)	Secondary Indicators (2 or more required)
Surface Water (A1) Water-Stained Leaves (B3) MLRA 1, 2, 4A, and 4B)	 except Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
High Water Table (A2) Salt Crust (B11)	Drainage Patterns (B10)
Saturation (A3) Aquatic Invertebrates (B1	3) Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (C Oxidized Rhizospheres al	
Sediment Deposits (B2) Roots (C3)	Geomorphic Position (D2)
Drift Deposits (B3) Presence of Reduced Iror	n (C4) Shallow Aquitard (D3)
Recent Iron Reduction in	
Algal Mat or Crust (B4) Soils (C6) Stunted or Stressed Plant	FAC-Neutral Test (D5)
Iron Deposits (B5) (LRR A)	Raised Ant Mounds (D6) (LRR A)
Surface Soil Cracks (B6) Other (Explain in Remarks	s) Frost-Heave Hummocks (D7)
Inundation Visible on Aerial Imagery (B7)	
Sparsely Vegetated Concave Surface (B8)	
Field Observations:	
Field Observations: Surface Water Present? Yes No x Depth (inches): N/A	
Surface Water Present? Yes No x Depth (inches): N/A Water Table Present? Yes No x Depth (inches): >18	Wetland Hydrology Present? Yes No
Surface Water Present? Yes No x Depth (inches): N/A	Wetland Hydrology Present? Yes No x

Remarks:

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

Project/Site:	Stack Desig	n and Constr	ruction	City/County	: Marys	ville		Samp	ling Date:	07-27-	2022	
Applicant/Owr	ner: Stack	Design and	Construction		State	WA	Sampling	Point:	DP-3			
Investigator(s)	: R. Kin	g		Section	, Township,	Range:	NW 09,	30N, 05E	-			
Landform (hills	slope, terra	ce, etc.):	Terrace		Local relief	(concave	, convex, r	none):	none		Slope (%):	0-5%
Subregion (LF	RR): <u>A</u>			Lat:		Long:			Datum:			
Soil Map Unit	Name: C	Custer					N	WI classi	fication:	N/A		
Are climatic / I	nydrologic c	onditions	on the site typ	oical for this t	ime of year	? Yes	x No	(If n	o, explain ir	Remark	s.)	
Are Vegetation	n,	Soil	, or Hydrolo	gy sig	nificantly di	sturbed?	Are "No	ormal Cir	cumstance	s" presen	t? Yes x	No
Are Vegetation	n,	Soil	, or Hydrolo	gy na	turally probl	ematic?	((If needeo	d, explain a	ny answe	ers in Remark	s.)
SUMMARY	OF FIND	DINGS -	 Attach si 	te map sh	nowing sa	ampling	g point l	ocatio	ns, trans	ects, ir	nportant f	eatures, etc
Hydrophytic V	egetation P	resent?	Yes <u>x</u>	No								
Hydric Soil Pre	esent?		Yes	No <u>x</u>	Is the	Sampled	Area with	nin a Wet	tland?	Yes	No	<u>x</u>

Remarks:

Wetland Hydrology Present?

VEGETATION – Use scientific names of plants.

Yes

No _

No

х

	Absolute	Dominant	Indicator	Dominance Test worksheet:
<u>Tree Stratum</u> (Plot size:) 1	<u>% Cover</u>	Species?	<u>Status</u>	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2 3				Total Number of Dominant Species Across All Strata:1(B)
4				Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B)
	-	= Total Cove	ər	
Sapling/Shrub Stratum (Plot size:)				Prevalence Index worksheet:
1				Total % Cover of: Multiply by:
2				OBL species x 1 =
3				FACW species x 2
4				FAC species x 3
5				FACU species x 4
		= Total Cove	er	UPL species x 5 =
Herb Stratum (Plot size:)				Column Totals: (A) (B)
1. Agrostis capillaris	100	Y	FAC	
2				Prevalence Index = B/A =
3				
4				Hydrophytic Vegetation Indicators:
5				1 - Rapid Test for Hydrophytic Vegetation
6				× 2 - Dominance Test is >50%
7				3 - Prevalence Index is ≤3.0 ¹
8				4 - Morphological Adaptations ¹ (Provide supporting
9				data in Remarks or on a separate sheet)
10				5 - Wetland Non-Vascular Plants ¹
11				Problematic Hydrophytic Vegetation ¹ (Explain)
		= Total Cove	er	¹ Indicators of hydric soil and wetland hydrology must
Woody Vine Stratum (Plot size:)				be present, unless disturbed or problematic.
1				
2				Hydrophytic
		= Total Cove	er	Vegetation
% Bare Ground in Herb Stratum	_			Present? Yes <u>x</u> No
Remarks:				

SOIL	Sampling Point: DP-3
Profile Description: (Describe to the depth needed to docu	ment the indicator or confirm the absence of indicators.)
Depth <u>Matrix</u> (inches) Color (moist) % Color (moist)	Redox Features % Type ¹ Loc ² Texture Remarks
<u>0-10</u> 10YR 3/2	sandy loam
10-18+ 10YR 4/3 95 10YR 4/6	<u> </u>
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, C	S=Covered or Coated Sand Grains. ² Location: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to all LRRs, unless oth	erwise noted.) Indicators for Problematic Hydric Soils ³ :
Histosol (A1) Sandy Redox (
Histic Epipedon (A2) Stripped Matrix Black Histic (A3) Loamy Mucky I	(S6) Red Parent Material (TF2) Very Shallow Dark Surface (TF12)
Hydrogen Sulfide (A4) Loamy Gleyed	
Depleted Below Dark Surface (A11) Depleted Matrix	
Thick Dark Surface (A12) Redox Dark Su	
Sandy Mucky Mineral (S1) Depleted Dark	
Sandy Gleyed Matrix (S4) Redox Depress	sions (F8) unless disturbed or problematic
Restrictive Layer (if present):	
Туре:	Hydric Soil Present? Yes No x
Depth (inches):	[1,,
Remarks:	
HYDROLOGY	
Wetland Hydrology Indicators:	
Primary Indicators (minimum of one required; check all that apply	
	water-Stained Leaves (B9) (MLRA 1, 2,
	4A, and 4B) 4A, and 4B) B11) Drainage Patterns (B10)
High Water Table (A2) Salt Crust (Saturation (A3) Aquatic Inv	ertebrates (B13) Dry-Season Water Table (C2)
	Sulfide Odor (C1) Saturation Visible on Aerial Imagery (C9)
Oxidized RI	nizospheres along Living
Sediment Deposits (B2) Roots (C3)	Geomorphic Position (D2)
	f Reduced Iron (C4) Shallow Aquitard (D3) Reduction in Tilled
Algal Mat or Crust (B4) Soils (C6)	FAC-Neutral Test (D5)
Stunted or S	Stressed Plants (D1)
Iron Deposits (B5) (LRR A)	Raised Ant Mounds (D6) (LRR A)
Surface Soil Cracks (B6) Other (Expl Inundation Visible on Aerial Imagery (B7)	ain in Remarks) Frost-Heave Hummocks (D7)
Sparsely Vegetated Concave Surface (B8)	
Field Observations:	
Surface Water Present? Yes No x Depth (inches	
Water Table Present? Yes No x Depth (inches): >18 Wetland Hydrology Present? Yes No x
Saturation Present? (includes capillary fringe) Yes No x Depth (inches): >18
Describe Recorded Data (stream gauge, monitoring well, aerial pho	,
	,

Remarks: