

2907 Harborview Dr., Suite D, Gig Harbor, WA 98335 Phone: (253) 514-8952 Fax: (253) 514-8954

Technical Memorandum

To: City of Bellingham- Steve Sundin File Number: 2166.0001

From: Kramer Canup, Soundview Consultants LLC Date: March 17, 2025

Re: Request for Information- Bellingham Crossing- Drive Thru Bank- DR2025-0002 and

CAP2025-0002

Dear Steve Sundin,

Soundview Consultants LLC (SVC) has been assisting The RJ Group (Applicant) with a wetland and fish and wildlife habitat assessment for the proposed development of an approximately 11.40-acre site located at 415 West Bakerview Road in the City of Bellingham, Washington. The subject property consists of one parcel situated in the Northwest ¼ of Section 13, Township 38 North, Range 2 East, W.M. (Whatcom County Tax Parcel Numbers 3802133915240001). Attention within this memorandum is directed towards an approximately 60,041 square foot study area located in the northeast corner of the subject property, which is proposed for commercial development with a drivethru bank building. This memorandum provides rationale and data related to the non-wetland conditions identified by SVC on the eastern portion of parcel 3802133915240001 in comparison to wetland soils identified on the western portion of the site as requested by Steve Sundin with the City of Bellingham.

Figure 1. Subject Property Location.



Methods

Fromal site investigations were performed by qualified SVC staff in November of 2020, May of 2021, and July of 2024. The investigations consisted of a formal walk-through survey for wetlands, waterbodies, and other fish and wildlife habitat conservation areas within the study area and on publicly accessible areas within 300 feet of the study area.

Wetlands, streams and select fish and wildlife habitat conservation areas are regulated features under Bellingham Municipal Code (BMC) Chapter 16.55 – Critical Areas and are subject to restricted uses/activities under the same title.

Wetland presence/absence was determined using the routine approach outlined in the U.S. Army Corps of Engineers (USACE) Wetlands Delineation Manual (Environmental Laboratory, 1987) and modified according to the guidelines established in the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Western Mountains, Valleys, and Coast Region, Version 2.0 (USACE, 2010) and Field Indicators of Hydric Soils in the United States (NRCS, n.d.). Pink surveyor's flagging was labeled alphanumerically and tied to 3-foot lath or vegetation at formal sampling locations to mark the points where detailed data was collected (DP-1 to DP-5) (Attachment B) on the eastern area of the parcel and DP-1W, DP-3W, DP-6W, and DP-17W (Attachment C) on the western area of the parcel. Additional test pits were excavated at regular intervals throughout the study area to further confirm or exclude wetland absence.

The fish and wildlife habitat assessment was conducted during the same site visit by qualified fish and wildlife biologists. The experienced biologists made visual and auditory observations using stationery and walking survey methods for both upland and aquatic habitats noting any special habitat features and direct and indirect signs of fish and wildlife activity (e.g. nesting, foraging, and migration/movement). Special attention was given to assessing the presence of fish and wildlife habitat as defined under BMC 16.55.470.

Onsite Wetland Absence

Five data plots (DP-1 – DP-5) were collected on and adjacent to the study area on the eastern area of the site during the site investigations to confirm onsite wetland absence for the proposed drive-thru bank development. Data was collected in different topographic low points throughout the study area, in areas most likely to show wetland indicators.

DPs 1 and 2 are located approximately 60 feet to the west of the study area within a depressional area that had been historically cleared, excavated, and graded. Though both DPs technically met for all three wetland criteria (hydrophytic vegetation, hydric soil, and wetland hydrology), historic aerial imagery as well as historic hillshade data indicate that this area previously held a single-family residence and has since been significantly cleared and graded and excavated likely to dig the foundation for infrastructure associated with the residence in this location. As these areas have clearly been manipulated and purposefully graded and excavated, conditions observed onsite are disturbed, and are not natural. In addition, the soil profiles observed in both data plot locations exhibit 1-3 inches of organic material and wood chips directly overlaying a hard-packed clay depleted layer. Such a configuration is indicative of previous grading and significant disturbance, as the depleted layer being adjacent to the surface suggests recent anthropogenic activity rather than natural wetland formation processes. This evidence undermines the criteria for wetland designation, as the disturbed soil profiles

do not align with typical, undisturbed wetland characteristics. The surrounding uplands exhibit similar soils, indicating topsoil has been removed from these areas as well; however, these areas typically support less hydrophytic plant communities and do not appear to support wetland hydrology, indicating upland conditions. Per BMC 16.55.510, wetlands "do not include those artificial wetlands intentionally created from nonwetland sites". As such, these areas were determined to have been created from non-wetland conditions and are therefore not regulated as wetlands.

DPs 3 and 4 are located in the southern portion of the study area within the forested area. Though both DPs technically met for all three wetland criteria (hydrophytic vegetation, hydric soil, and wetland hydrology), these areas are similar to DPs 1 and 2, and have evidence of significant disturbance from past clearing, grading, and terracing of the site. Historic aerials show that the entirety of the site was cleared prior to 1998, potentially preparing for additional commercial development as the Bellis Fair Mall was developed in the 1980s. Historic hillshade data also indicated significant excavation and land leveling within these data plot areas which likely have contributed to these artificial conditions created from significant historic disturbance. Per BMC 16.55.510, wetlands "do not include those artificial wetlands intentionally created from nonwetland sites". As such, these graded areas were determined to have been created from non-wetland conditions and are therefore not regulated as wetlands.

DP-5 is located approximately 140 feet south of the study area. Though DP-5 technically met for all three wetland criteria (hydrophytic vegetation, hydric soil, and wetland hydrology), this area has evidence of significant disturbance from past clearing and grading onsite. Historic aerials show that the entirety of the site was cleared prior to 1998, potentially for additional commercial development as the Bellis Fair Mall was developed in the 1980s. Historic hillshade data also indicated significant excavation and mass grading within the data plot which likely have contributed to wetland conditions created from significant historic disturbance. Per BMC 16.55.510, wetlands "do not include those artificial wetlands intentionally created from nonwetland sites". As such, this graded area was determined to have been created from non-wetland conditions and is therefore not regulated as wetland.

Comparison of Soil Profiles

SVC has investigated the entirety of parcel 3802133915240001 for wetland and fish and wildlife habitat in November of 2020, May of 2021, and July of 2024. The investigations consisted of a formal walkthrough survey for wetlands, waterbodies, and other fish and wildlife habitat conservation areas within parcel 3802133915240001 and on publicly accessible areas within 300 feet of the site.

A summary of the data plots established on the eastern portion of parcel 3802133915240001 is provided above. Ultimately, data plots (DP-1 to DP-5) established on the eastern area of the site displayed soil profiles indicating significant anthropogenic disturbance from past clearing and grading. In contrast, wetland soil profiles from data plots established within wetlands identified by SVC within the forested area on the western portion of the site (DP-1W, DP-3W, DP-6W, and DP-17W) (Attachment C) display relatively undisturbed and naturally developed wetland soil conditions as displayed through the lack of a compacted clay layer in the upper soil profile layer. Additionally, wetland data plot soil profiles on the western area of the site generally display a dark brown (10YR 2/1, 10YR 2/2, or 10YR 3/1) silty loam or sandy loam from approximately 0 to 7 or 8-inches below ground surface, which is indicative of a naturally formed non-disturbed upper soil layer often found in wetlands in Whatcom County. Below the dark brown silty loam or sandy loam upper profile layer identified on the western portion of the site, is a non-compacted depleted clay loam layer (10YR 5/1)

or 10YR 5/2) beginning at approximately 8 or 9-inches below ground surface for data plots (DP-3W, DP-6W, and DP-17W). Data plot DP-1W displays a dark brown 10YR 2/2 sandy loam from 0 to 3-inches below ground surface and a 10YR 3/1 sandy loam from 3 to 14-inches below ground surface with redoximorphic concentrations (10YR 4/4) identified in the 10 YR 3/1 layer from 7 to 14-inches below ground surface, which indicates a lack of grading within this area. In comparison, data plots established on the eastern area of the site (DP-1 through DP-5) generally display approximately 0 to 3-inches of decomposing organic material (typically wood chips from clearing) with a silty clay soil layer beginning at approximately 1 to 3-inches below ground surface, which is indicative of previous grading due to the lack of a naturally formed dark brown soil layer for multiple inches starting at the surface.

As such, the soils on the eastern area of the site where the drive-thru bank is proposed to be constructed, display conditions indicative of previous grading and significant disturbance, as the depleted layer being adjacent to the surface suggests recent anthropogenic activity rather than natural wetland formation processes. This evidence undermines the criteria for wetland designation, as the disturbed soil profiles do not align with typical, undisturbed wetland characteristics. The surrounding uplands exhibit similar soils, indicating topsoil has been removed from these areas as well; however, these areas typically support less hydrophytic plant communities and do not appear to support wetland hydrology, indicating upland conditions. Per BMC 16.55.510, wetlands "do not include those artificial wetlands intentionally created from nonwetland sites". As such, these areas on the eastern area of the site were determined to have been created from non-wetland conditions and are therefore not regulated as wetlands.

Once you've had a chance to review this information, please feel free to call me at 253-514-8952 to discuss our findings.

Sincerely,

Kramer Canup

Project Manager / Environmental Scientist

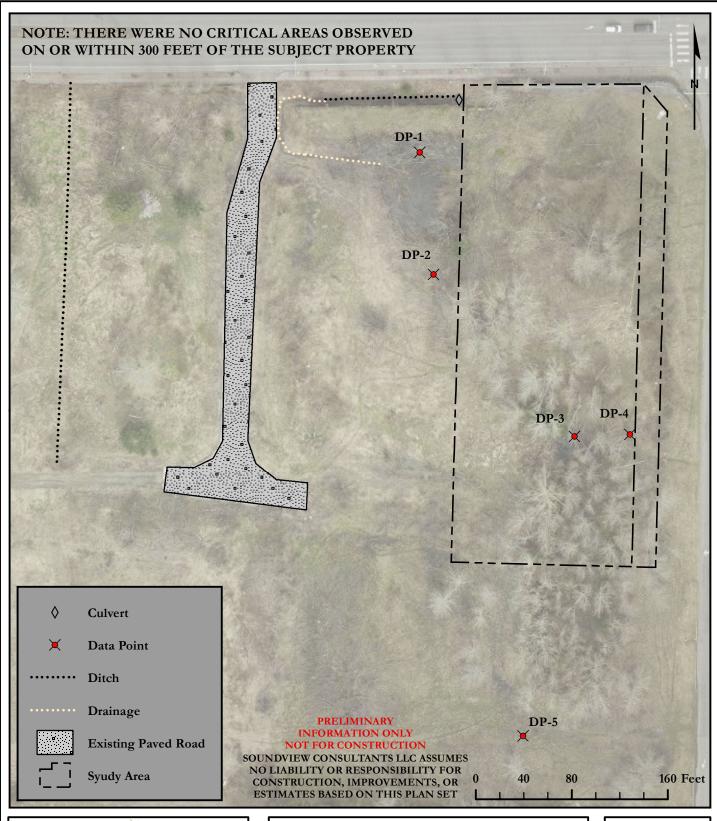
March 17, 2025

Date

References

- Bellingham Municipal Code (BMC). 2024. Chapter 16.55 Critical Areas. Website: https://bellingham.municipal.codes/BMC/16.55. Current through January 27, 2025.
- Environmental Laboratory. 1987. Corps of Engineers Wetlands Delineation Manual. Technical Report Y-87-1, US Army Engineer Waterways Experiment Station, Vicksburg, Mississippi.
- Goldin, A. 1992. *Soil Survey of Whatcom County Area, Washington*. United States Department of Agriculture, Soil Conservation Service, in cooperation with the Washington State Department of Natural Resources and Agriculture Research Center.
- Munsell® Color. 2000. Munsell® Soil Color Charts. New Windsor, New York.Natural Resources Conservation Services (NRCS). N.d. Soil Data Access Hydric Soils List (Soil Data Access Live). Accessed April 26, 2022. Website: https://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcseprd1316620.html.
- NRCS. 2018. Field Indicators of Hydric Soils in the United States, Version 8.2. L.M. Vasilas, G.W. Hurt, and J.F. Berkowitz (eds.). USDA, NRCS, in cooperation with the National Technical Committee for Hydric Soils
- Soundview Consultants LLC (SVC). 2024. Non-Wetland and Fish and Wildlife Habitat Assessment-Technical Memorandum- West Bakerview Road. August 8, 2024.
- U.S. Army Corps of Engineers (USACE). 2010. Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Western Mountains, Valleys, and Coast Region (Version 2.0), ed. J. S. Wakeley, R. W. Lichvar, and C. V. Noble. ERDC/EL TR-10-13. Vicksburg, MS: U.S. Army Engineer Research and Development Center

Attachment A – Existing Conditions





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BELLINGHAM CROSSROADS

415, 433, 451 AND 471 WEST BAKERVIEW ROAD BELLINGHAM, WA 98226

WHATCOM COUNTY PARCEL NUMBERS: 380213310527, 380213341526, 380213391524, & 380213327523

DATE: 7/23/2024
JOB: 2166.0001
BY: DDS
SCALE: 1 " = 80 '
figure no. 1



Project/Site: 2166.0001- Bellingham Crossroads	(City/County	_{y:} Bellingh	ham / Whatcom	Sampling Date: 7/19/2024
Applicant/Owner: The RJ Group				State: WA	Sampling Point: DP-1
				ownship, Range: 13/38N	
					e Slope (%): 2
Subregion (LRR): A2	_ Lat: 48.	.789448		Long: -122.4924066	7 Datum: WGS 84
Soil Map Unit Name: Whatcom-Labounty silt loams,	0 to 8 pe	rcent slo			
Are climatic / hydrologic conditions on the site typical for this	time of yea	ır? Yes 🗵	No ☐ (If	f no, explain in Remarks.)	
Are Vegetation <u>v</u> , Soil <u>v</u> , or Hydrology <u>v</u> sign	nificantly dist	turbed?	Are "No	ormal Circumstances" pres	ent? Yes 🗌 No 🗵
Are Vegetation, Soil, or Hydrology natu	rally probler	matic?	(If neede	ed, explain any answers in	Remarks.)
SUMMARY OF FINDINGS - Attach site map	showing	samplin	g point lo	ocations, transects,	important features, etc.
Hydrophytic Vegetation Present? Yes ☒ No ☐					
Hydric Soil Present? Hydric Soil Present? Yes 🗵 No			e Sampled		
Wetland Hydrology Present? Yes ☒ No ☐		with	in a Wetlan	nd? Yes ☐ No) X
Remarks:	. 6.1	. 1 A			OFD 1
All three wetland criteria met. DP-1 is located grading and excavating and creating false we		•	ea is highly	disturbed due to a previo	us SFR being present, heavy
VEGETATION – Use scientific names of plan					
Tree Stratum (Plot size: 30 ft)	Absolute <u>% Cover</u>			Dominance Test works	
1				Number of Dominant Spe That Are OBL, FACW, or	
2				Total Number of Domina	int
3				Species Across All Strata	
4				Percent of Dominant Spe	ecies
Sapling/Shrub Stratum (Plot size: 30 ft)	0	= Total C	over	That Are OBL, FACW, or	r FAC: 100% (A/B)
1. Salix lasiandra	30	Yes	FACW	Prevalence Index work	sheet:
2. Populus balsamifera	30	Yes	FAC	Total % Cover of:	Multiply by:
3. Spiraea douglasii	15	Yes	FACW	OBL species	x 1 =
4				FACW species	x 2 =
5				FAC species	x 3 =
	75	= Total C	over	FACU species	x 4 =
Herb Stratum (Plot size: 10 ft) 1. Juncus effusus	35	Voc	FACW		x 5 =
-				Column Totals:	(A) (B)
2				Prevalence Index	= B/A =
4				Hydrophytic Vegetation	
5				Rapid Test for Hydro	
6				▼ Dominance Test is >	· · · · · · · · · · · · · · · · · · ·
7				☐ Prevalence Index is :	≤3.0 ¹
8					rations ¹ (Provide supporting
9				□ Wetland Non-Vascul	or on a separate sheet)
10				_	nytic Vegetation ¹ (Explain)
11					and wetland hydrology must
Woody Vine Stratum (Plot size: 30 ft)	35	= Total C	over	be present, unless distur	bed or problematic.
1				Hudranbudia	
2				Hydrophytic Vegetation	
0/ Poro Cround in U.s.t. Chartering 0	0	= Total C	over		× No □
% Bare Ground in Herb Stratum 0					
Hydrophytic vegetation criteria met three	ough the	dominan	ce test.		

Sampling Point: DP-1

Depth	matrix		eptn ne		x Featur		or comm	n the abs	sence of indicators.)
(inches)	Color (moist)	<u>%</u>	Colo	r (moist)	%	Type ¹	Loc ²	Texture	e Remarks
0 - 1		100							Decomposing organic material
1 - 7	5Y 5/1	60						CILo	Clay loam. Mixed matrix.
	2.5Y 4/2	25	10\	/R 3/6	15	С	M	CILo	Clay loam. Mixed matrix.
7 - 12+	5Y 5/1	80						CILo	Clay loam. Mixed matrix.
	2.5Y 4/2	10	10\	/R 4/4	10	С	М	CILo	Clay loam. Mixed matrix.
-	-	· ·	-						
		· ·							
¹Type: C=C	oncentration, D=De	enletion R	M=Red	uced Matrix CS	S=Covere	ed or Coate	ed Sand G	Grains	² Location: PL=Pore Lining, M=Matrix.
	Indicators: (Appl						od Odila O		dicators for Problematic Hydric Soils ³ :
☐ Histosol				Sandy Redox (S		•			2 cm Muck (A10)
	pipedon (A2)			Stripped Matrix					Red Parent Material (TF2)
☐ Black Hi				oamy Mucky M	, ,	1) (except	MLRA 1)		
	n Sulfide (A4)			oamy Gleyed N			,		
	l Below Dark Surfa	ice (A11)		Depleted Matrix		,			,
☐ Thick Da	rk Surface (A12)	, ,	□ F	Redox Dark Sur	face (F6)		³ In	dicators of hydrophytic vegetation and
☐ Sandy M	lucky Mineral (S1)			Depleted Dark S	Surface (F7)			wetland hydrology must be present,
☐ Sandy G	leyed Matrix (S4)		□ F	Redox Depressi	ions (F8)				unless disturbed or problematic.
	Layer (if present):								
	mpacted clay f	from clea	aring a	nd grading					
Depth (in	_{ches):} 1 - 12+							Hydri	c Soil Present? Yes ⊠ No □
Remarks:									
Hydric soil	criteria met thr	ough inc	dicator	F3.					
	0 V								
HYDROLO									
	drology Indicator		rad: aba	ok all that anal	· /\				Secondary Indicators (2 or more required)
	cators (minimum of	rone requi	rea, che			(5.0) (Secondary Indicators (2 or more required)
	Water (A1)			➤ Water-Stai			xcept ML	RA	Water-Stained Leaves (B9) (MLRA 1, 2,
_	ter Table (A2)				A, and 4E	3)			4A, and 4B)
☐ Saturation	,			☐ Salt Crust		(5.45)			☐ Drainage Patterns (B10)
	arks (B1)			☐ Aquatic Inv		, ,			☐ Dry-Season Water Table (C2)
	t Deposits (B2)			☐ Hydrogen					Saturation Visible on Aerial Imagery (C9)
	oosits (B3)			Oxidized R		_	_		Geomorphic Position (D2)
	t or Crust (B4)			Presence of					Shallow Aquitard (D3)
· ·	osits (B5)			☐ Recent Iro			,	,	FAC-Neutral Test (D5)
	Soil Cracks (B6)			☐ Stunted or	Stressec	d Plants (D	1) (LRR A	a)	Raised Ant Mounds (D6) (LRR A)
	on Visible on Aeria			☐ Other (Exp	lain in Re	emarks)			Frost-Heave Hummocks (D7)
☐ Sparsely	Vegetated Conca	ve Surface	(B8)						
Field Obser	vations:								
Surface Wat	er Present?	Yes 🗌	No 🔀	Depth (inches	s): None	<u>e </u>			
Water Table	Present?	Yes 🗌	No 🗵	Depth (inches	s): None	9			
Saturation P		Yes 🗌	No 🗵	Depth (inches			Wet	land Hyd	rology Present? Yes ⊠ No □
(includes car Describe Re	oillary fringe) corded Data (strea	ım gauge,	monitor	ing well, aerial i	photos, p	revious in	spections)	, if availab	ole:
	,			· '			. ,		
Remarks:									
Wetland h	ydrology criteria	a met thi	rough	indicator B9					

Project/Site: 2166.0001- Bellingham Crossroads	(City/County	_{y:} Belling	ham / Whatcom	Sampling Date: 7/19/2024
Applicant/Owner: The RJ Group				State: WA	Sampling Point: DP-2
				ownship, Range: 13/38N	
Landform (hillslope, terrace, etc.): Depression		Local relie	ef (concave,	, convex, none): Concav	e Slope (%): 4
Subregion (LRR): A2	_ Lat: 48.7	789170		Long: -122.4923500	00 Datum: WGS 84
Soil Map Unit Name: Whatcom-Labounty silt loams,	0 to 8 pe	rcent slo	pes	NWI classificat	tion: None
Are climatic / hydrologic conditions on the site typical for this	time of yea	ır? Yes 🗷	No ☐ (I	f no, explain in Remarks.)	
Are Vegetation $\underline{\hspace{0.1cm} \hspace{0.1cm} $	ificantly dist	turbed?	Are "No	ormal Circumstances" pres	ent? Yes ☐ No 🗷
Are Vegetation, Soil, or Hydrology natu	rally problen	natic?	(If need	ed, explain any answers in	Remarks.)
SUMMARY OF FINDINGS - Attach site map	showing	samplin	g point l	ocations, transects,	important features, etc.
Hydrophytic Vegetation Present? Yes ☒ No ☐					
Hydric Soil Present? Yes ☒ No ☐			e Sampled		
Wetland Hydrology Present? Yes ☒ No ☐		with	in a Wetlar	nd? Yes ☐ No) X
Remarks: All three wetland criteria met. DP-2 is located	wast of the	aturder ana	a Amaa ia h	inhly disturbed due to be	arry and din a and arranvating
creating false wetland indicators.	west of the	study are:	a. Area is ii	igmy disturbed due to nea	avy grading and excavating,
VEGETATION – Use scientific names of plant	ts.				
T 0 (D		Dominant		Dominance Test works	heet:
Tree Stratum (Plot size: 30 ft) 1. Populus balsamifera	<u>% Cover</u> 40	Yes	FAC	Number of Dominant Sports Are OBL, FACW, or	
2.					
3				Total Number of Domina Species Across All Strata	_
4				,	
	40	= Total C	over	Percent of Dominant Spe That Are OBL, FACW, o	
Sapling/Shrub Stratum (Plot size: 30 ft) 1. Populus balsamifera	30	Yes	FAC	Prevalence Index work	shoot:
2. Rubus armeniacus	25	Yes	FAC		Multiply by:
3					x 1 =
4					x 2 =
5.				•	x 3 =
	55	= Total C	over		x 4 =
Herb Stratum (Plot size: 10 ft)				UPL species	x 5 =
1				Column Totals:	(A) (B)
2				Dravalance Index	D/A
3				Hydrophytic Vegetation	= B/A =
4				Rapid Test for Hydro	
5				Dominance Test is >	
6				☐ Prevalence Index is:	
7 8				—	tations ¹ (Provide supporting
9.				data in Remarks	or on a separate sheet)
10				☐ Wetland Non-Vascul	
11.					nytic Vegetation ¹ (Explain)
	0	= Total C	over	¹ Indicators of hydric soil be present, unless distur	and wetland hydrology must
Woody Vine Stratum (Plot size: 30 ft)				be present, unless distar	
1				Hydrophytic	
2				Vegetation	. ₪ Na □
% Bare Ground in Herb Stratum 0	0	= Total C	over	Present? Yes	No 🗌
Remarks:		domira	oo toot	1	
Hydrophytic vegetation criteria met thro	ough the (uominan	ce test.		

Sampling Point: DP-2

Profile Desc Depth	Matrix			Rec	dox Featur	6 9			,
(inches)	Color (moist)	%	Colo	or (moist)	%	Type ¹	Loc ²	Texture	e Remarks
0 - 3		100							Decomposing organic material
3 - 12+	2.5Y 5/2	80	10	YR 3/6	15	С	M	CILo	Clay loam.
			10	YR 5/6	5	С	М		
	-								
	-							-	
	-								
			_						
¹Type: C=C	oncentration, D=D	epletion,	RM=Rec	luced Matrix, (CS=Covere	ed or Coat	ed Sand G	rains.	² Location: PL=Pore Lining, M=Matrix.
	Indicators: (Appl								dicators for Problematic Hydric Soils ³ :
☐ Histosol	(A1)			Sandy Redox	(S5)				2 cm Muck (A10)
	oipedon (A2)			Stripped Matri	x (S6)				Red Parent Material (TF2)
☐ Black Hi				Loamy Mucky			t MLRA 1)		,
	n Sulfide (A4)	(0.4.4)		Loamy Gleyed		2)			Other (Explain in Remarks)
-	d Below Dark Surfa	ice (A11)		Depleted Matri Redox Dark Si		`		31	dicators of budrophytic vegetation and
	ark Surface (A12) lucky Mineral (S1)			Redox Dark Si Depleted Dark	•	•		٩In	dicators of hydrophytic vegetation and wetland hydrology must be present,
	Gleyed Matrix (S4)			Redox Depres	•	,			unless disturbed or problematic.
	Layer (if present)				(. 0)				aeee alexanded of productionalier
Type:_ C 0	ompacted clay	from cle	earing a	and grading					
Depth (in	ches): <u>3 - 12+</u>			-				Hydri	Soil Present? Yes ⊠ No □
Remarks:								1 -	
Hydric soil	criteria met thr	ough in	dicato	r F3					
l Tydric 30ii	ontona met un	ougiiii	idicatoi	10.					
	-04								
HYDROLO									
_	drology Indicator cators (minimum o		iirad: ah	ook all that an	nlu)				Secondary Indicators (2 or more required)
		i one requ	ulled, Cli			(DO) (-	was not MI F		
	Water (A1)			➤ Water-Sta			xcept will	KA	Water-Stained Leaves (B9) (MLRA 1, 2,
l <u> </u>	iter Table (A2)				4A, and 4I	>)			4A, and 4B) ☐ Drainage Patterns (B10)
	arks (B1)			☐ Salt Crus	` '	ac (B13)			☐ Dry-Season Water Table (C2)
	nt Deposits (B2)			☐ Hydroger		` '			☐ Saturation Visible on Aerial Imagery (C9)
	osits (B3)						Living Roo		☑ Geomorphic Position (D2)
	at or Crust (B4)				of Reduc	_	-		Shallow Aquitard (D3)
	osits (B5)					,	d Soils (C6		FAC-Neutral Test (D5)
	Soil Cracks (B6)						1) (LRR A)	,	Raised Ant Mounds (D6) (LRR A)
						(=	., (,	,	
		l Imagery	(B7)	☐ Other (Ex	kplain in Re	emarks)			Flost-neave numinocks (D7)
☐ Inundation	on Visible on Aeria			Other (Ex	κplain in R	emarks)			Frost-Heave Hummocks (D7)
☐ Inundation	on Visible on Aeria Vegetated Conca			Other (Ex	κplain in R	emarks)			☐ Flost-neave numinocks (D7)
☐ Inundation ☐ Sparsely	on Visible on Aeria Vegetated Conca vations:			,					☐ Flost-neave numinocks (D7)
☐ Inundation ☐ Sparsely Field Obser	on Visible on Aeria Vegetated Conca vations: er Present?	ve Surfac	e (B8)	Depth (inche	es): None	e			☐ Flost-neave numinocks (D7)
☐ Inundation ☐ Sparsely Field Obser Surface Wat	on Visible on Aeria Vegetated Conca vations: er Present? Present?	ve Surfac	No 🔀	Depth (inche	es): None	e	Wetl	and Hyd	
☐ Inundation ☐ Sparsely Field Obser Surface Wate Water Table Saturation P (includes ca	on Visible on Aeria v Vegetated Conca vations: er Present? Present? vresent? pillary fringe)	Yes Yes Yes Yes Yes	No X No X No X	Depth (inche Depth (inche	es): None es): None es): None	e e			rology Present? Yes ⊠ No □
☐ Inundation ☐ Sparsely Field Obser Surface Wate Water Table Saturation P (includes ca	on Visible on Aeria Vegetated Conca vations: er Present? Present? vresent?	Yes Yes Yes Yes Yes	No X No X No X	Depth (inche Depth (inche	es): None es): None es): None	e e			rology Present? Yes ⊠ No □
☐ Inundatid☐ Sparsely Field Obser Surface Wat Water Table Saturation P (includes ca Describe Re	on Visible on Aeria v Vegetated Conca vations: er Present? Present? vresent? pillary fringe)	Yes Yes Yes Yes Yes	No X No X No X	Depth (inche Depth (inche	es): None es): None es): None	e e			rology Present? Yes ⊠ No □
☐ Inundation ☐ Sparsely Field Obser Surface Wat Water Table Saturation P (includes can Describe Re	on Visible on Aeria v Vegetated Conca vations: er Present? Present? eresent? pillary fringe) corded Data (strea	Yes	No 🗵 No 🗵 No 🗵	Depth (inche Depth (inche Depth (inche ring well, aeria	es): None es): None es): None	e e			rology Present? Yes ⊠ No □
☐ Inundation ☐ Sparsely Field Obser Surface Wat Water Table Saturation P (includes can Describe Re	on Visible on Aeria v Vegetated Conca vations: er Present? Present? vresent? pillary fringe)	Yes	No 🗵 No 🗵 No 🗵	Depth (inche Depth (inche Depth (inche ring well, aeria	es): None es): None es): None	e e			rology Present? Yes ⊠ No □
☐ Inundation ☐ Sparsely Field Obser Surface Wat Water Table Saturation P (includes can Describe Re	on Visible on Aeria v Vegetated Conca vations: er Present? Present? eresent? pillary fringe) corded Data (strea	Yes	No 🗵 No 🗵 No 🗵	Depth (inche Depth (inche Depth (inche ring well, aeria	es): None es): None es): None	e e			rology Present? Yes ⊠ No □

Project/Site: 2166.0001- Bellingham Crossroads	(City/County	_{/:} Bellingl	ham / Whatcom	Sampling Date: 7/30/2024
Applicant/Owner: The RJ Group				State: WA	Sampling Point: DP-3
				ownship, Range: 13/38N	
					re Slope (%): 0
Subregion (LRR): A2	Lat: 48.	788807		Long: -122.4918592	23 Datum: WGS 84
Soil Map Unit Name: Whatcom-Labounty silt loams,	0 to 8 pe	rcent slo	pes	NWI classificat	
Are climatic / hydrologic conditions on the site typical for this	time of yea	r? Yes 🗷	No ☐ (I	f no, explain in Remarks.)	
Are Vegetation <u>v</u> , Soil <u>v</u> , or Hydrology <u>v</u> sigr	ificantly dist	turbed?	Are "No	ormal Circumstances" pres	ent? Yes ☐ No 🗷
Are Vegetation, Soil, or Hydrology natu	rally probler	natic?	(If neede	ed, explain any answers in	Remarks.)
SUMMARY OF FINDINGS - Attach site map	showing	samplin	g point lo	ocations, transects,	important features, etc.
Hydrophytic Vegetation Present? Yes ☒ No ☐					
Hydric Soil Present? Hydric Soil Present? Yes 🗵 No			e Sampled		
Wetland Hydrology Present? Yes ☒ No ☐		with	in a Wetlar	nd? Yes ☐ No	o 🔀
Remarks:					
All three wetland criteria met. DP-3 is located		_		udy area. Area is highly d	isturbed due to heavy grading
and excavating and vegetation removal, creati	ng false we	tland indi	cators.		
VEGETATION – Use scientific names of plant	ts.				
T. O. (DI.) (200)	Absolute	Dominant		Dominance Test works	heet:
Tree Stratum (Plot size: 30 ft) 1. Populus balsamifera	<u>% Cover</u> 60	Yes	<u>Status</u> FAC	Number of Dominant Sp	
			170	That Are OBL, FACW, o	r FAC: <u>5</u> (A)
2				Total Number of Domina	_
3				Species Across All Strata	a: <u>6</u> (B)
4	60	= Total C	over	Percent of Dominant Spe	
Sapling/Shrub Stratum (Plot size: 30 ft)		= Total C	Ovei	That Are OBL, FACW, o	r FAC: <u>83%</u> (A/B)
1. Spiraea douglasii	20	Yes	FACW	Prevalence Index work	sheet:
2. Symphoricarpos albus	20	Yes	FACU	Total % Cover of:	Multiply by:
3. Lonicera involucrata	7	No	FAC	OBL species	x 1 =
4. Alnus rubra	5	No	FAC	FACW species	x 2 =
5				FAC species	x 3 =
	52	= Total C	over	FACU species	x 4 =
Herb Stratum (Plot size: 10 ft)	40	V	EA 014/	UPL species	x 5 =
1. Juncus effusus	10	Yes		Column Totals:	(A) (B)
2. Poa pratensis	10	Yes	FAC	Dunielana la dair	D/A
3. Ranunculus repens	8	Yes	FAC		= B/A =
4				Hydrophytic Vegetation	
5				Rapid Test for Hydro Dominance Test is >	
6				Prevalence Index is:	
7					ations ¹ (Provide supporting
8					or on a separate sheet)
9				☐ Wetland Non-Vascul	ar Plants ¹
10				☐ Problematic Hydroph	nytic Vegetation¹ (Explain)
11	28				and wetland hydrology must
Woody Vine Stratum (Plot size: 30 ft)	20	= Total C	over	be present, unless distur	bed or problematic.
1					
2				Hydrophytic Vegetation	
_	0	= Total C	over		X No □
% Bare Ground in Herb Stratum 0					
Remarks: Hydrophytic vegetation criteria met thro	ough the	dominan	ce test.		
	J				
1					

Sampling Point: DP-3

Depth	Matrix				ox Featur		1 2	T =	Demonto.
(inches) 0 - 2	Color (moist) 7.5Y 3/2	<u>%</u> 60		or (moist) SYR 4/6	<u>%</u> 5	Type ¹ C	Loc ²	<u>Textur</u> SiCIL	
0-2									
	2.5Y 4/1	30		YR 4/6	5	_ <u>C</u>	<u> M</u>	SiCI	Silty clay
2 - 14+	2.5Y 4/1	80		YR 4/6	10	<u>C</u>	M	CI	Clay
			7.5	YR 6/6	10	С	<u> M</u>		
									
	Concentration, D=E Indicators: (App						ted Sand (² Location: PL=Pore Lining, M=Matrix. dicators for Problematic Hydric Soils ³ :
☐ Histosol		ilicable to		Sandy Redox (iteu.)			2 cm Muck (A10)
	oipedon (A2)			Stripped Matrix					·
☐ Black Hi				Loamy Mucky	. ,	1) (excer	ot MLRA 1		.
	en Sulfide (A4)			Loamy Gleyed				´	• - · · · · · · · · · · · · · · · · · ·
	d Below Dark Surf	ace (A11)		Depleted Matri					
☐ Thick Da	ark Surface (A12)			Redox Dark Sเ	urface (F6)		3lr	ndicators of hydrophytic vegetation and
	Mucky Mineral (S1)			Depleted Dark					wetland hydrology must be present,
	Bleyed Matrix (S4)			Redox Depres	sions (F8)				unless disturbed or problematic.
	Layer (if present ompacted clay		arina a	and aradina					
	nches): 2 - 14+	HOIH CIC	arring c	ina grading					
. `	iches). <u> </u>			•				Hydri	ic Soil Present? Yes ⊠ No 🗌
Remarks:									
Hydric soil	criteria met th	rough in	dicator	[.] F3.					
HYDROLO	ac v								
	drology Indicato	re:							
-	cators (minimum o		ired: ch	ack all that ann	alv.)				Secondary Indicators (2 or more required)
		one requ	illeu, cir			(DO) (
	Water (A1)			➤ Water-Sta			except IVIL	_KA	Water-Stained Leaves (B9) (MLRA 1, 2
_	ater Table (A2)				A, and 4I	5)			4A, and 4B)
☐ Saturation	` '			☐ Salt Crust	` .	(D40)			Drainage Patterns (B10)
	larks (B1)			☐ Aquatic Ir		. ,			Dry-Season Water Table (C2)
	nt Deposits (B2)			☐ Hydrogen			a I is da a Da	-4- (00)	Saturation Visible on Aerial Imagery (C
	posits (B3)					-	g Living Ro	1018 (C3)	Geomorphic Position (D2)
_	at or Crust (B4)			☐ Presence			ر4) ed Soils (C	`c\	Shallow Aquitard (D3)
	Soil Cracks (B6)						D1) (LRR A	,	FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
	, ,	al Imaganı	(D7)				OI) (LKK A	A)	, , ,
	on Visible on Aeria Vegetated Conca			☐ Other (Ex	piaiii iii K	emarks)			Frost-Heave Hummocks (D7)
☐ Sparsely Field Obser		ave Sullac	е (Бо)						
	ter Present?	Yes 🗌	No 🗷	Depth (inche	S). Non	е			
			_		,5)				
Water Table		Yes 🗌	No 🗵	Depth (inche			,,,	41	dual and Duagont 2 Var III Na II
Saturation P (includes ca	resent? pillary fringe)	Yes 🗌	No 🗵	Depth (inche	es): <u>14011</u>		we	tland Hyd	drology Present? Yes ⊠ No □
	ecorded Data (stre	am gauge,	monito	ring well, aerial	photos, p	revious ir	nspections), if availal	ble:
Remarks:									
Wetland h	ydrology criter	ia met th	rough	indicator B9	9.				
	. 0,		3 .						

Project/Site: 2166.0001- Bellingham Crossroads		City/Count	_{y:} Bellingl	ham / Whatcom	Sampling Date: 7/30/2024
Applicant/Owner: The RJ Group				State: WA	Sampling Point: DP-4
				ownship, Range: 13/38N	
					Slope (%): 0
Subregion (LRR): A2					
Soil Map Unit Name: Whatcom-Labounty silt loams,					
Are climatic / hydrologic conditions on the site typical for this				f no, explain in Remarks.)	
Are Vegetation, Soil, or Hydrology sign	•		•	ormal Circumstances" pres	
Are Vegetation, Soil, or Hydrology natu	-			ed, explain any answers ir	
SUMMARY OF FINDINGS - Attach site map	showing	samplin	g point lo	ocations, transects,	, important features, etc.
Hydrophytic Vegetation Present? Yes ☒ No ☐					
Hydric Soil Present? Yes ☒ No ☐			ne Sampled		
Wetland Hydrology Present? Yes ☒ No ☐		with	nin a Wetlar	nd? Yes □ N	io 🗷
Remarks: All three wetland criteria met. DP-4 is located	in the cout	heastern o	corner of the	e study area. Area is high	dy disturbed due to beaux
grading and excavating and vegetation remov					ly disturbed due to neavy
VEGETATION – Use scientific names of plan				T	
Tree Stratum (Plot size: 30 ft)	Absolute <u>% Cover</u>		Indicator Status	Dominance Test works	
1. Populus balsamifera	40	Yes	FAC	Number of Dominant Sp That Are OBL, FACW, of	
2.					
3				Total Number of Domina Species Across All Strat	<u> </u>
4				Percent of Dominant Sp	nacias
Continue (Charles Charles (Diet sines 20 ft)	40	= Total C	Cover	That Are OBL, FACW, of	
Sapling/Shrub Stratum (Plot size: 30 ft) 1. Spiraea douglasii	5	Yes	FACW	Prevalence Index work	ksheet:
2. Ranunculus repens		No	FAC		Multiply by:
3. Populus balsamifera	<u>5</u>	No	FAC		x 1 =
4.					x 2 =
5				FAC species	x 3 =
	13	= Total C	Cover	FACU species	x 4 =
Herb Stratum (Plot size: 10 ft) 1. Poa pratensis	Ω	Yes	EΛC	· ·	x 5 =
2. Equisetum arvense	3	Yes	FAC	Column Totals:	(A) (B)
3. Cornus alba	2	No	FACW	Prevalence Index	= B/A =
4. Phalaris arundinacea	2	No	FACW	Hydrophytic Vegetatio	
5. Lotus corniculatus	2	No	FAC	☐ Rapid Test for Hydro	
6. Hypochaeris radicata	1	No	FACU	➤ Dominance Test is :	>50%
7				☐ Prevalence Index is	≤3.0 ¹
8					otations ¹ (Provide supporting s or on a separate sheet)
9				☐ Wetland Non-Vascu	. ,
10					hytic Vegetation ¹ (Explain)
11	10				and wetland hydrology must
Woody Vine Stratum (Plot size: 30 ft)	18	= Total C	Cover	be present, unless distu	rbed or problematic.
1					
2				Hydrophytic Vegetation	
	^	= Total C	Cover		s ⊠ No □
% Bare Ground in Herb Stratum 0					
Remarks: Hydrophytic vegetation criteria met thr	ough the	dominan	ce test.		

Depth (inches)	Matrix Color (moist)	%	Colo	r (moist)	ox Featur %	Type ¹	Loc ²	Textu	re Remarks
0 - 4	2.5Y 3/2	95		YR 4/6	5	C	M	SiCI	Silty clay
4 - 10	2.5Y 3/2	60	7.5	YR 4/6	15	С	M	SiCI	Silty clay
	10YR 4/2	20	7.5	YR 4/6	5	С	M	CI	Clay
10 - 15	2.5Y 3/2	50	7.5	YR 4/6	15		M	SiCI	Silty clay
	10YR 4/2	20		YR 4/6	5	C	M	CI	Clay
	10YR 3/1		- 		- -	- - -		CI	Clay
	1011(0/1						-		City
									
					_				
	oncentration, D=D						ated Sand G		² Location: PL=Pore Lining, M=Matrix.
-	Indicators: (Appl	icable to				oted.)			dicators for Problematic Hydric Soils ³ :
Histosol	· ·			Sandy Redox (2 cm Muck (A10)
:	ipedon (A2)			Stripped Matrix	. ,	=1) (over	ot MI D A 1\		Red Parent Material (TF2) Very Shallow Dark Surface (TF12)
	n Sulfide (A4)			Loamy Mucky I Loamy Gleyed			pt wilka 1)	L	Other (Explain in Remarks)
	l Below Dark Surfa	re (A11)		Depleted Matri		2)		L	Other (Explain in Nemarks)
	rk Surface (A12)	.55 (/ 11 1)		Redox Dark Su		5)		3	ndicators of hydrophytic vegetation and
	ucky Mineral (S1)			Depleted Dark	•	•		•	wetland hydrology must be present,
	leyed Matrix (S4)			Redox Depress					unless disturbed or problematic.
	_ayer (if present):								
	mpacted clay t	from cle	earing a	and grading					
Depth (inc	_{ches):} 4 - 15			-				Hydr	ic Soil Present? Yes ⊠ No 🗌
Remarks: Hydric soil	criteria met thr	ough in	dicator	r F6.					
Hydric soil		ough in	dicator	r F6.					
Hydric soil	GY		dicator	r F6.					
Hydric soil HYDROLO Wetland Hyd	GY drology Indicator	s:			olv)				Secondary Indicators (2 or more required)
HYDROLO Wetland Hyderimary Indice	GY drology Indicator cators (minimum o	s:		eck all that app		wes (R9) (excent MI	RA	Secondary Indicators (2 or more required) Water-Stained Leaves (R9) (MIRA 1.2)
HYDROLO Wetland Hyd Primary Indic Surface N	GY drology Indicator cators (minimum o	s:		eck all that app	ined Lea	` , ,	except ML	RA	☐ Water-Stained Leaves (B9) (MLRA 1, 2
HYDROLO Wetland Hyd Primary Indic Surface V High Wat	GY drology Indicator cators (minimum o Nater (A1) ter Table (A2)	s:		eck all that app Water-Sta	ined Lea A, and 4	` , ,	except ML	RA	☐ Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B)
HYDROLO Wetland Hyd Primary Indic Surface N High War Saturatio	GY drology Indicator cators (minimum o Nater (A1) ter Table (A2) in (A3)	s:		eck all that app Water-Sta 1, 2, 4 Salt Crust	nined Lea A, and 4 (B11)	В)	except ML	RA	☐ Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) ☐ Drainage Patterns (B10)
HYDROLO Wetland Hyd Primary India Surface V High Wat Saturatio Water Ma	GY drology Indicator cators (minimum of Water (A1) ter Table (A2) on (A3) arks (B1)	s:		eck all that app Water-Sta 1, 2, 4 Salt Crust Aquatic In	nined Lea A, and 4 (B11) vertebrat	B) es (B13)	except ML	RA	 □ Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) □ Drainage Patterns (B10) □ Dry-Season Water Table (C2)
HYDROLO Wetland Hyd Primary India Surface V High Wat Saturatio Water Ma Sedimen	GY drology Indicator cators (minimum or Water (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2)	s:		eck all that app Water-Sta 1, 2, 4 Salt Crust Aquatic In Hydrogen	nined Lea A, and 4 (B11) overtebrat Sulfide (es (B13) Odor (C1)	•		 Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) □ Drainage Patterns (B10) □ Dry-Season Water Table (C2) □ Saturation Visible on Aerial Imagery (C5)
Hydric soil HYDROLO Wetland Hyd Primary Indic Surface N High Wat Saturatio Water Ma Sedimen Drift Dep	GY drology Indicator cators (minimum or Nater (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2) osits (B3)	s:		eck all that app Water-Sta 1, 2, 4 Salt Crust Aquatic In Hydrogen Oxidized I	ined Lea A, and 4 (B11) vertebrat Sulfide (CRhizosph	es (B13) Odor (C1) eres alon	g Living Roo		Water-Stained Leaves (B9) (MLRA 1, 2
Hydric soil HYDROLO Wetland Hyd Primary Indic Surface V High Wat Saturatio Water Ma Sedimen Drift Dep Algal Ma	GY drology Indicator cators (minimum of Nater (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4)	s:		eck all that app Water-Sta 1, 2, 4 Salt Crust Aquatic In Hydrogen Oxidized I	ined Lea A, and 4 (B11) vertebrat Sulfide C Rhizosph of Reduc	es (B13) Odor (C1) eres along	g Living Roo	ots (C3)	Water-Stained Leaves (B9) (MLRA 1, 2
HYDROLO Wetland Hyd Primary Indic Surface V High Wat Saturatio Water Ma Sedimen Drift Dep Algal Ma Iron Dep	GY drology Indicator cators (minimum of Water (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5)	s:		eck all that app Water-Sta 1, 2, 4 Salt Crust Aquatic In Hydrogen Oxidized I Presence Recent Iro	nined Lea A, and 4 (B11) Exertebrate Sulfide Cellinoseph of Reduction Reduction	es (B13) Odor (C1) eres along eed Iron (C	g Living Roo C4) ed Soils (C6	ots (C3)	Water-Stained Leaves (B9) (MLRA 1, 2
HYDROLO Wetland Hyd Primary India Surface V High Wat Saturatio Water Ma Sedimen Drift Dep Algal Ma Iron Depi Surface S	GY drology Indicator cators (minimum or Water (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) Soil Cracks (B6)	s: f one requ	uired; che	eck all that app Water-Sta 1, 2, 4 Salt Crust Aquatic In Hydrogen Oxidized I Presence Recent Iro	nined Lea A, and 4 (B11) vertebrat Sulfide C Rhizosph of Reduc on Reduc r Stresse	es (B13) Odor (C1) eres along ed Iron (C tion in Till d Plants (g Living Roo C4)	ots (C3)	Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Hydric soil HYDROLO Wetland Hyd Primary India Surface N Saturatio Water Ma Sedimen Drift Dep Algal Ma Iron Depa Surface S Inundatio	drology Indicator cators (minimum or Water (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) Soil Cracks (B6) on Visible on Aeria	s: f one requ	uired; che	eck all that app Water-Sta 1, 2, 4 Salt Crust Aquatic In Hydrogen Oxidized I Presence Recent Iro Stunted o	nined Lea A, and 4 (B11) vertebrat Sulfide C Rhizosph of Reduc on Reduc r Stresse	es (B13) Odor (C1) eres along ed Iron (C tion in Till d Plants (g Living Roo C4) ed Soils (C6	ots (C3)	Water-Stained Leaves (B9) (MLRA 1, 2
Hydric soil HYDROLO Wetland Hyd Primary India Surface N High War Saturatio Water Ma Sedimen Drift Dep Algal Ma Iron Depa Surface S Inundation	GY drology Indicator cators (minimum or Nater (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) Soil Cracks (B6) on Visible on Aeria Vegetated Conca	s: f one requ	uired; che	eck all that app Water-Sta 1, 2, 4 Salt Crust Aquatic In Hydrogen Oxidized I Presence Recent Iro Stunted o	nined Lea A, and 4 (B11) vertebrat Sulfide C Rhizosph of Reduc on Reduc r Stresse	es (B13) Odor (C1) eres along ed Iron (C tion in Till d Plants (g Living Roo C4) ed Soils (C6	ots (C3)	Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Hydric soil HYDROLO Wetland Hyd Primary Indic Surface N High Water Ma Sedimen Drift Dep Algal Ma Iron Dep Surface S Inundatic Sparsely	drology Indicator cators (minimum of Water (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) Soil Cracks (B6) on Visible on Aeria Vegetated Conca	s: f one requ	uired; cho (B7) be (B8)	eck all that app Water-Sta 1, 2, 4 Salt Crust Aquatic In Hydrogen Oxidized I Presence Recent Irc Stunted o Other (Ex	A, and 4 (B11) Evertebrate Sulfide C Rhizosph of Reduce on Reduce r Stresse plain in R	es (B13) Odor (C1) eres along ed Iron (C tion in Till d Plants (emarks)	g Living Roo C4) ed Soils (C6	ots (C3)	Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Hydric soil HYDROLO Wetland Hyd Primary Indid Surface N High War Saturatio Water Ma Sedimen Drift Dep Algal Ma Iron Depo Surface S Inundatio Sparsely Field Observ Surface Water	GY drology Indicator cators (minimum or Water (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) Soil Cracks (B6) on Visible on Aeria Vegetated Conca vations: er Present?	s: f one require I Imagery ve Surface	uired; che (B7) te (B8) No ☑	eck all that app Water-Sta 1, 2, 4 Salt Crust Aquatic In Hydrogen Oxidized I Presence Recent Iro Stunted o Other (Ex	ined Lea A, and 4 (B11) vertebrat Sulfide (Rhizosph of Reduc on Reduc r Stresse plain in R	es (B13) Odor (C1) eres along eed Iron (C tion in Till d Plants (emarks)	g Living Roo C4) ed Soils (C6	ots (C3)	Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
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Hydric soil HYDROLO Wetland Hyd Primary India Surface N High War Saturatio Water Ma Sedimen Drift Dep Algal Ma Iron Depa Surface S Inundatio Sparsely Field Observ Surface Water Water Table Saturation Province Cap Cincludes cap Describe Record	GY drology Indicator cators (minimum or Water (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) Soil Cracks (B6) on Visible on Aeria Vegetated Conca vations: er Present? Present? resent?	s: f one requirements I Imagery ve Surface Yes Yes Yes Yes Imagery	uired; che (B7) te (B8) No 🗵 No 🗵 No 🗵	eck all that app Water-Sta 1, 2, 4 Salt Crust Aquatic In Hydrogen Oxidized I Presence Recent Irc Stunted o Other (Ex Depth (inche Depth (inche	wined Lea A, and 4 (B11) Evertebrat Sulfide C Rhizosph of Reduct on Reduct on Reduct r Stresse plain in R BS): Non Non photos, p	es (B13) Odor (C1) eres along ed Iron (C tion in Till d Plants (emarks) e e	g Living Roo C4) ed Soils (C6 D1) (LRR A	ots (C3) 6) a)	Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) □ Drainage Patterns (B10) □ Dry-Season Water Table (C2) □ Saturation Visible on Aerial Imagery (C3) □ Geomorphic Position (D2) □ Shallow Aquitard (D3) □ FAC-Neutral Test (D5) □ Raised Ant Mounds (D6) (LRR A) □ Frost-Heave Hummocks (D7)

Project/Site: 2166.0001- Bellingham Crossroads	(City/Count	_{y:} Belling	ham / Whatcom	Sampling Date: 7/30/2024
Applicant/Owner: The RJ Group				State: WA	Sampling Point: DP-5
				ownship, Range: 13/38N	
					Slope (%): 0
Subregion (LRR): A2	_ Lat: 48.	.788134		Long: -122.4920580	00 _{Datum:} WGS 84
Soil Map Unit Name: Whatcom-Labounty silt loams,	0 to 8 pe	rcent slo	pes	NWI classificat	tion: None
Are climatic / hydrologic conditions on the site typical for this	s time of yea	ır? Yes 🗷] No □ (I	f no, explain in Remarks.)	
Are Vegetation <u>v</u> , Soil <u>v</u> , or Hydrology <u>v</u> sign	nificantly dist	turbed?	Are "No	ormal Circumstances" pres	ent? Yes ☒ No ☐
Are Vegetation, Soil, or Hydrology natu	rally probler	matic?	(If need	ed, explain any answers in	Remarks.)
SUMMARY OF FINDINGS - Attach site map	showing	samplin	g point l	ocations, transects,	important features, etc.
Hydrophytic Vegetation Present? Yes ☒ No ☐					
Hydric Soil Present? Yes ☒ No ☐			ne Sampled		
Wetland Hydrology Present? Yes ☒ No ☐		with	nin a Wetlar	nd? Yes □ No) X
Remarks: All three wetland criteria met. DP-5 is located	to the count	h of the ot	d.v. a.maa A	mon in highly distumbed du	o to become another and
excavating and creating false wetland indicate		ii oi tiie st	uuy area. A	dea is nightly disturbed du	e to heavy graunig and
VEGETATION – Use scientific names of plan	ts.				
			Indicator	Dominance Test works	heet:
Tree Stratum (Plot size: 30 ft) 1. Populus balsamifera	<u>% Cover</u> 20	Species? Yes	Status FAC	Number of Dominant Spe	
-				That Are OBL, FACW, or	r FAC: <u>3</u> (A)
2 3				Total Number of Domina Species Across All Strata	_
4				,	` ` '
	20	= Total C	Cover	Percent of Dominant Spe That Are OBL, FACW, or	
Sapling/Shrub Stratum (Plot size: 30 ft) 1. Populus balsamifera	7	Yes	FAC	Prevalence Index work	chooti
Populus balsamifera .					Multiply by:
3					x 1 =
4.					x 2 =
5.				1	x 3 =
	7	= Total C	Cover	FACU species	x 4 =
Herb Stratum (Plot size: 10 ft)	00	V	540	UPL species	x 5 =
1. Poa pratensis	30	Yes		Column Totals:	(A) (B)
2. Lotus corniculatus	10	No No	FAC FAC	Provolence Index	= B/A =
3. Cirsium arvense 4. Tanacetum vulgare	1	No	FACU	Hydrophytic Vegetation	
c Cirsium vulgare	1	No	FACU	Rapid Test for Hydro	
	<u> </u>			➤ Dominance Test is >	· · · · · · · · · · · · · · · · · · ·
6				☐ Prevalence Index is :	
7 8				_	rations ¹ (Provide supporting
9.					or on a separate sheet)
10.				☐ Wetland Non-Vascul	
11.					nytic Vegetation¹ (Explain)
	43	= Total C	cover	¹ Indicators of hydric soil abe present, unless distur	and wetland hydrology must
Woody Vine Stratum (Plot size: 30 ft)				be present, unless distar	
1				Hydrophytic	
2	0			Vegetation	☑ Na□
% Bare Ground in Herb Stratum 0	<u> </u>	= Total C	over	Present? Yes	⊠ No □
Remarks: Hydrophytic vegetation criteria met thro	ough the	dominan	oo toot	1	
r iyuropriyiic vegetation cirtena met tini	ough the (uomman	UC 1621.		

Sampling Point: DP-5

Depth	Matrix			Red	ox Feature	25					
(inches)	Color (moist)	%	Cold	or (moist)	%	Type ¹	Loc ²	Textu	re	Remarks	
0 - 1	7.5YR 3/2	90	7.5	SYR 4/6	10	С	M	SiCI		Silty clay	
1 - 15+	2.5Y 4/1	80	7.5	SYR 4/6	20	С	М	SiCI	-	Silty clay	
-											
											
		-							2.		
	oncentration, D=D						ed Sand G			ion: PL=Pore Lining, M=Ma	
_	Indicators: (App	iicabie to				tea.)				for Problematic Hydric So	olis":
Histosol	(A1) pipedon (A2)			Sandy Redox (Stripped Matrix				<u> </u>		fuck (A10) arent Material (TF2)	
☐ Black His				Suipped Math Loamy Mucky	` ,	1) (excen	t MI RΔ 1\	,		hallow Dark Surface (TF12)	
	n Sulfide (A4)			Loamy Gleyed			·	_	-	Explain in Remarks)	
	d Below Dark Surfa	ace (A11)		Depleted Matri		-/		_	_		
	ark Surface (A12)	, ,		Redox Dark Sı)		3	ndicators	of hydrophytic vegetation ar	nd
	lucky Mineral (S1)			Depleted Dark	Surface (I	- 7)			wetland	hydrology must be present,	
	Bleyed Matrix (S4)			Redox Depres	sions (F8)				unless	disturbed or problematic.	
	Layer (if present)		I'								
,,	ompacted clay	irom gra	ading	_							
Depth (in	ches): 1 - 15+			-				Hydr	ic Soil P	resent? Yes ⊠ No 🗌	
Remarks:											
Hydric soil	criteria met th	rough ir	dicato	r F 3.							
		Ū									
HYDROLO	GY										
		·s:									
Wetland Hy	drology Indicator		uired: ch	eck all that apr	blv)				Seconda	ary Indicators (2 or more red	uired)
Wetland Hy	drology Indicator		uired; ch			res (B9) (6	excent MI	 RΔ		ary Indicators (2 or more req	
Wetland Hyder Primary India	drology Indicator cators (minimum o Water (A1)		uired; ch	☐ Water-Sta	ained Leav		except ML	RA	☐ Wat	er-Stained Leaves (B9) (MLI	
Wetland Hydelerimary India	drology Indicator cators (minimum c Water (A1) ater Table (A2)		uired; ch	☐ Water-Sta	ained Leav		except ML	RA	☐ Wate	er-Stained Leaves (B9) (MLI	
Primary India Surface High Wa Saturatio	cators (minimum c Water (A1) tter Table (A2) on (A3)		uired; ch	☐ Water-Sta 1, 2, 4 ☐ Salt Crust	ained Leav I A, and 4E t (B11)	3)	except ML	RA	☐ Wate	er-Stained Leaves (B9) (MLI 1A, and 4B) nage Patterns (B10)	
Wetland Hy Primary India Surface High Wa Saturatio Water M	cators (minimum c Water (A1) hter Table (A2) on (A3) larks (B1)		uired; ch	☐ Water-Sta 1, 2, 4 ☐ Salt Crust ☐ Aquatic Ir	ained Leav I A, and 4E t (B11) overtebrate	B) es (B13)	except ML	RA	☐ Wate	er-Stained Leaves (B9) (MLI !A, and 4B) nage Patterns (B10) Season Water Table (C2)	RA 1, 2,
Wetland Hydelic Primary India Surface High Wa Saturation Water M Sedimen	cators (minimum of Water (A1) Inter Table (A2) Ion (A3) Iarks (B1) Int Deposits (B2)		uired; ch	Water-Sta 1, 2, 4 Salt Crusi Aquatic Ir Hydrogen	ained Leav IA, and 4E t (B11) overtebrate Sulfide O	es (B13) dor (C1)			☐ Wate	er-Stained Leaves (B9) (MLI 4A, and 4B) nage Patterns (B10) Season Water Table (C2) tration Visible on Aerial Imag	RA 1, 2,
Wetland Hy Primary India Surface High Wa Saturatio Water M Sedimen Drift Dep	drology Indicator cators (minimum of Water (A1) ater Table (A2) on (A3) larks (B1) on Deposits (B2) posits (B3)		uired; ch	Water-Sta 1, 2, 4 Salt Crust Aquatic Ir Hydrogen Oxidized	nined Leaver A.	es (B13) dor (C1) eres along	Living Roo		☐ Wate	er-Stained Leaves (B9) (MLI 4A, and 4B) nage Patterns (B10) Season Water Table (C2) uration Visible on Aerial Image	RA 1, 2,
Wetland Hy Primary India Surface High Wa Saturatio Water M Sedimen Drift Dep Algal Ma	cators (minimum of water (A1) ater Table (A2) on (A3) aterks (B1) on the Deposits (B2) on the County (B3) at or Crust (B4)		uired; ch	Water-Sta 1, 2, 4 Salt Crust Aquatic Ir Hydrogen Oxidized Presence	ained Leav IA, and 4E t (B11) avertebrate Sulfide O Rhizosphe of Reduce	es (B13) dor (C1) eres along ed Iron (C	Living Roo 4)	ots (C3)	☐ Wate ☐ Drai ☐ Dry- ☐ Satu ☐ Geo ☐ Shal	er-Stained Leaves (B9) (MLI 4A, and 4B) nage Patterns (B10) Season Water Table (C2) Iration Visible on Aerial Imagemorphic Position (D2) Illow Aquitard (D3)	RA 1, 2,
Wetland Hydelian Primary India Surface High Wa Saturatio Water M Sedimen Drift Dep Algal Ma	cators (minimum of water (A1) ter Table (A2) on (A3) larks (B1) on Deposits (B2) cosits (B3) at or Crust (B4) cosits (B5)		uired; ch	Water-Star 1, 2, 4 1, 2, 4 Salt Crust Aquatic Ir Hydrogen Oxidized Presence Recent Iro	ained Leav IA, and 4E t (B11) overtebrate Sulfide O Rhizosphe of Reduct	es (B13) dor (C1) eres along ed Iron (C	Living Roo	ots (C3)	☐ Water ☐ Drai ☐ Dry- ☐ Satu ☐ Geo ☐ Shal	er-Stained Leaves (B9) (MLI IA, and 4B) nage Patterns (B10) Season Water Table (C2) Iration Visible on Aerial Imag morphic Position (D2) Ilow Aquitard (D3) I-Neutral Test (D5)	RA 1, 2,
Wetland Hydelian Primary India Surface High Wa Saturatio Water M Sedimen Drift Dep Algal Ma Iron Dep Surface Surface	cators (minimum of water (A1) ater Table (A2) on (A3) aterks (B1) on the Deposits (B2) on the County (B3) at or Crust (B4)	f one req		Water-Star 1, 2, 4 1, 2, 4 Salt Crust Aquatic Ir Hydrogen Oxidized Presence Recent Iro	ained Leav A, and 4E t (B11) overtebrate Sulfide O Rhizosphe of Reduct on Reduct r Stressec	es (B13) dor (C1) eres along ed Iron (C don in Tille I Plants (E	Living Roo 4) ed Soils (C6	ots (C3)	☐ Water ☐ Drai ☐ Dry- ☐ Satu ☐ Geo ☐ Shal ☐ FAC	er-Stained Leaves (B9) (MLI 4A, and 4B) nage Patterns (B10) Season Water Table (C2) Iration Visible on Aerial Imagemorphic Position (D2) Illow Aquitard (D3)	RA 1, 2,
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Project/Site: 2166.0001 / Bellingham Crossroads	(City/Count	_{y:} Bellingl	ham / Whatcom	Sampling Date: <u>5/4/2021</u>
Applicant/Owner: The RJ Group				State: WA	Sampling Point: DP-1W
				ownship, Range: 13/38N	
Landform (hillslope, terrace, etc.): Depression		Local relie	ef (concave,	convex, none): Concav	<u>re</u> Slope (%): 1
Subregion (LRR): A2	Lat: 48.	789339		Long: -122.4948969	96 Datum: WGS84
Soil Map Unit Name: Whatcom-Labounty silt loams,	0 to 8 pe	rcent slo	pes	NWI classificat	tion: None
Are climatic / hydrologic conditions on the site typical for this	s time of yea	r? Yes 🗷	No ☐ (I	f no, explain in Remarks.)	
Are Vegetation, Soil, or Hydrology sign	nificantly dist	turbed?	Are "No	ormal Circumstances" pres	ent? Yes 🗵 No 🗌
Are Vegetation, Soil, or Hydrology natu	ırally probler	natic?	(If neede	ed, explain any answers in	Remarks.)
SUMMARY OF FINDINGS - Attach site map	showing	samplin	g point lo	ocations, transects,	important features, etc.
Hydrophytic Vegetation Present? Yes ☒ No ☐					
Hydric Soil Present? Yes ⊠ No □			ne Sampled		
Wetland Hydrology Present? Yes ☒ No ☐		with	in a Wetlar	nd? Yes⊠ No	o 🗌
Remarks:					
All three wetland criteria met. Da	ta collec	ted in V	Wetland 1	В.	
VECTATION II : :::					
VEGETATION – Use scientific names of plan		Daminant	la dia atau	Daminana Tast waste	h a a t
Tree Stratum (Plot size: 30 ft)	Absolute <u>% Cover</u>		Indicator Status	Dominance Test works	
1. Populus balsamifera	45	Yes	FAC	Number of Dominant Spartnat Are OBL, FACW, or	
2. Alnus rubra	15	Yes	FAC		
3				Total Number of Domina Species Across All Strata	_
4				Percent of Dominant Spe	ooioo
	60	= Total C	Cover	That Are OBL, FACW, o	r FAC: <u>100%</u> (A/B)
Sapling/Shrub Stratum (Plot size: 30 ft) 1. Spiraea douglasii	20	Yes	FACW	Prevalence Index work	rahaati
					Multiply by:
2					x 1 =
4					x 2 =
5					x 3 =
·	20	= Total C	Cover		x 4 =
Herb Stratum (Plot size: 10 ft)					x 5 =
1. Ranunculus repens	40	Yes			(A) (B)
2. Juncus effusus	15	Yes	FAC		
3. Phalaris arundinacea	10	<u>No</u>	FACW		= B/A =
4				Hydrophytic Vegetation	
5				Rapid Test for Hydro	· ·
6				■ Dominance Test is >	
7				Prevalence Index is:	
8					tations ¹ (Provide supporting or on a separate sheet)
9				☐ Wetland Non-Vascul	ar Plants ¹
10				☐ Problematic Hydroph	nytic Vegetation1 (Explain)
11	65	= Total C	`over		and wetland hydrology must
Woody Vine Stratum (Plot size: 30 ft)		= Total C	ovei	be present, unless distur	bed or problematic.
1				Hydrophytic	
2				Vegetation	
or Para County Hart Court	0	= Total C	Cover		X No □
% Bare Ground in Herb Stratum 0					
Remarks: Hydrophytic vegetation criteria met thr	ough the I	Dominar	ice Test.		

	cription: (Describ		исрин нес				or commi	iii tiic at	3301100	Or indicator	3.)	
Depth (inches)	Matrix Color (moist)	%	Color	(moist)	ox Feature %	<u>es</u> Type¹	Loc ²	Textu	ro		Remarks	
) - 3	10YR 2/2	100	-	(moist)	-	<u> </u>	-	SaLo		Sandy loa		
3 - 7	10YR 3/1	100	-		-		_	SaLo)	Sandy loa	am	
7 -14	10YR 3/1	85	5Y 5	5/2	5	С	M	SaLo)	Sandy loa	am	
			7.5\	/R 4/4	10	С	М	SaLo)	Sandy loa	am	
	Concentration, D=D						ed Sand G			cation: PL=P		
-	Indicators: (App	licable to				tea.)				rs for Probl	•	aric Solis":
Histosol	, ,			andy Redox (_		Muck (A10)		
	pipedon (A2) istic (A3)			tripped Matrix	. ,	(1) (avaant	MIDA 1	_		Parent Mate Shallow Dar	, ,	/TE12\
	en Sulfide (A4)			oamy Mucky I oamy Gleyed			I WILKA I)	_	-	er (Explain in		(1712)
	d Below Dark Surfa	ace (A11)		epleted Matrix		-/		L		, (⊏νhιαιιι ιΙΙ	itoiliaits)	
	ark Surface (A12)	(ATT)		edox Dark Su)		3	Indicato	ors of hydroph	hvtic veget	ation and
	Mucky Mineral (S1)			epleted Dark						nd hydrology		
_	Gleyed Matrix (S4)			edox Depress		,				s disturbed o		
estrictive Type: No	Layer (if present)	:										
• •	nches):							Llvd	ric Sail	Present?	Yes ⊠	No □
										1 10301111	163 [5]	
Remarks:	l criteria met thi	ough in	dicator	F6.				Tiyu	10 3011			
Remarks:		ough in	dicator	F6.				Tiyai	10 3011			
Remarks: ydric soil YDROLO Vetland Hy	OGY rdrology Indicator	s:			LA			Tiya				
Remarks: ydric soil YDROLC Vetland Hy	OGY rdrology Indicator icators (minimum o	s:		ck all that app		(20)			Secon	ndary Indicate	ors (2 or m	ore required)
emarks: ydric soil OROLO Vetland Hy rimary Indi Surface	OGY rdrology Indicator icators (minimum o Water (A1)	s:		ck all that app ☐ Water-Sta	ined Leav	` , `	•		Secon	ndary Indicate	ors (2 or m Leaves (B	ore required) 9) (MLRA 1, 2
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PROLO PROLO Petland Hy rimary Indi Surface High Wa	OGY rdrology Indicator icators (minimum o Water (A1) ater Table (A2) on (A3)	s:		ck all that app ☐ Water-Sta 1, 2, 4 ☐ Salt Crust	ined Leav A, and 4E (B11)	3)	•		Secon W	ndary Indicate ater-Stained 4A, and 4E rainage Patte	ors (2 or m Leaves (B 3) erns (B10)	9) (MLRA 1, 2
PROLC POROLC Portland Hy rimary Indi Surface High Wa Saturati Water M	OGY rdrology Indicator icators (minimum o Water (A1) ater Table (A2) on (A3) larks (B1)	s:		ck all that app □ Water-Sta 1, 2, 4 □ Salt Crust □ Aquatic In	ined Leav A, and 4E (B11) vertebrate	a) es (B13)	•		Secon W	ndary Indicate ater-Stained 4A, and 4E rainage Patte ry-Season W	ors (2 or m Leaves (B 3) erns (B10) later Table	9) (MLRA 1, 2
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Project/Site: 2166.0001 / W Bakerview Road	(City/County	_{y:} Bellingl	ham / Whatcom	Sampling Date: 8/23/2024
Applicant/Owner: The RJ Group				State: WA	Sampling Point: DP-3W
				ownship, Range: <u>13, 38N</u>	
Landform (hillslope, terrace, etc.): Depression		Local relie	ef (concave,	convex, none): None	Slope (%): 1
Subregion (LRR): A2	_ Lat: 48.7	789039		Long: -122.494875	53 Datum: WGS84
Soil Map Unit Name: Whatcom-Labounty silt loams,	0 to 8 pe	rcent slo	pes	NWI classificat	tion: None
Are climatic / hydrologic conditions on the site typical for this	s time of yea	ır? Yes 🗵	No □ (I	f no, explain in Remarks.)	
Are Vegetation, Soil, or Hydrology sign	nificantly dist	turbed?	Are "No	ormal Circumstances" pres	ent? Yes ☒ No ☐
Are Vegetation, Soil, or Hydrology natu	rally problen	natic?	(If need	ed, explain any answers in	Remarks.)
SUMMARY OF FINDINGS - Attach site map	showing	samplin	g point le	ocations, transects,	important features, etc.
Hydrophytic Vegetation Present? Yes ☒ No ☐					
Hydric Soil Present? Yes ☒ No ☐			e Sampled		
Wetland Hydrology Present? Yes ☒ No ☐		with	in a Wetlar	nd? Yes ☒ No) [
Remarks:		I			
All three wetland criteria met. Da	ta collec	ted in V	Vetland .	Α.	
VEGETATION – Use scientific names of plan	ts.				
	Absolute		Indicator	Dominance Test works	heet:
Tree Stratum (Plot size: 30 ft)	% Cover			Number of Dominant Spe	
1. Populus balsamifera	20 15	Yes	FAC FAC	That Are OBL, FACW, or	r FAC: <u>5</u> (A)
2. Thuja plicata		Yes	FAC	Total Number of Domina	
3				Species Across All Strata	a: <u>5</u> (B)
4	35	– Total C	·over	Percent of Dominant Spe	
Sapling/Shrub Stratum (Plot size: 30 ft)		= Total C	over	That Are OBL, FACW, or	r FAC: 100% (A/B)
1. Spiraea douglasii	20	Yes	FACW	Prevalence Index work	sheet:
2. Populus balsamifera	10	Yes	FAC	Total % Cover of:	Multiply by:
3				OBL species	x 1 =
4				FACW species	x 2 =
5				FAC species	x 3 =
	30	= Total C	over	FACU species	x 4 =
Herb Stratum (Plot size: 10 ft)	10	Yes	ΕΛC		x 5 =
1. Ranunculus repens				Column Totals:	(A) (B)
2				Prevalence Index :	= B/A =
4				Hydrophytic Vegetation	
5.				☐ Rapid Test for Hydro	
6.				■ Dominance Test is >	· · · · · · · · · · · · · · · · · · ·
7				☐ Prevalence Index is :	≤3.0¹
8.					ations ¹ (Provide supporting
9					or on a separate sheet)
10				Wetland Non-Vascul	
11					nytic Vegetation¹ (Explain)
Woody Vine Stratum (Plot size: 30 ft)	10	= Total C	over	be present, unless distur	and wetland hydrology must bed or problematic.
1					
2				Hydrophytic Vegetation	
	0	= Total C	over		X No □
% Bare Ground in Herb Stratum 0					
Remarks: Hydrophytic vegetation criteria met thro	ough the [Dominan	ce Test.		
	-				

) - 4 <u>1</u> 1 - 9 <u>1</u>	Color (moist)	%	20.0		%	Type ¹	Loc ²	Textur	e Remarks
	10YR 2/1	100	-	r (moist)	-	-	-	SiLo	Silt loam
) - 14+ 1	10YR 4/2	90	10\	/R 3/4	10	<u>C</u>	M	SiLo	Silt loam
	10YR 5/1	90		/R 3/6	10		M	CILo	Clay loam
	1011(3/ 1		101	110,0				OILO	Olay loan
	contration D_D	onlotion D	M-Pod	uood Motriy (d or Coat		roine	21 continue DL - Doro Lining M-Motriy
	centration, D=Dedicators: (Appl						ed Sand G		² Location: PL=Pore Lining, M=Matrix. dicators for Problematic Hydric Soils ³ :
-] Histosol (A [∕]				Sandy Redox		•			2 cm Muck (A10)
] Histic Epipe	edon (A2)			Stripped Matri	x (S6)				Red Parent Material (TF2)
Black Histic	c (A3)			oamy Mucky			t MLRA 1)		Very Shallow Dark Surface (TF12)
] Hydrogen S	Sulfide (A4)		□ L	oamy Gleyed	l Matrix (F2	2)			Other (Explain in Remarks)
•	elow Dark Surfa	ace (A11)	×	Depleted Matr	ix (F3)				
_	Surface (A12)			Redox Dark S				³ lr	ndicators of hydrophytic vegetation and
	ky Mineral (S1)			Depleted Dark		- 7)			wetland hydrology must be present,
	yed Matrix (S4)		☐ F	Redox Depres	sions (F8)				unless disturbed or problematic.
	yer (if present):	:							
Type: None									
Depth (inche	es)							Hydri	c Soil Present? Yes ⊠ No □
emarks:									
(DROLOG									
etland Hydro	ology Indicator		red: che	ack all that an	oly)				Secondary Indicators (2 or more required)
etland Hydro	ology Indicator ors (minimum o		red; che			(DO) (a			Secondary Indicators (2 or more required)
/etland Hydro rimary Indicate] Surface Wa	ology Indicator tors (minimum o ater (A1)		red; che	☐ Water-Sta	ained Leav		except MLI	RA	☐ Water-Stained Leaves (B9) (MLRA 1, 2
/etland Hydro rimary Indicate Surface Wa High Water	cors (minimum or ater (A1)		red; che	☐ Water-Sta	ained Leav		except MLI	RA	Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B)
/etland Hydro rimary Indicate Surface Wa High Water Saturation (cology Indicator cors (minimum or cater (A1) r Table (A2) (A3)		red; che	☐ Water-Sta	ained Leav 4A, and 4E t (B11)	3)	except MLI	RA	 Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) □ Drainage Patterns (B10)
Vetland Hydro rimary Indicate Surface Wa High Water Saturation (Water Mark	ology Indicator fors (minimum of ater (A1) Table (A2) (A3) (S (B1)		red; che	☐ Water-Standard 1, 2, 4 ☐ Salt Crus ☐ Aquatic In	ained Leav 4A, and 4B t (B11) nvertebrate	B) es (B13)	except MLI		 Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) □ Drainage Patterns (B10) □ Dry-Season Water Table (C2)
Vetland Hydro rimary Indicate Surface Wa High Water Saturation (Water Mark Sediment D	ology Indicator fors (minimum of ater (A1) Table (A2) (A3) (A3) Oeposits (B2)		red; che	☐ Water-Standard 1, 2, 4 ☐ Salt Crus ☐ Aquatic In ☐ Hydroger	ained Leav 4A, and 4E t (B11) nvertebrate n Sulfide C	es (B13) dor (C1)			 Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) □ Drainage Patterns (B10) □ Dry-Season Water Table (C2) □ Saturation Visible on Aerial Imagery (C9)
rimary Indicate Surface Wa High Water Saturation (Water Mark Sediment D Drift Depos	cology Indicator cors (minimum or core (A1) Table (A2) (A3) cs (B1) Deposits (B2) sits (B3)		red; che	Water-Sta 1, 2, 4 Salt Crus Aquatic Ir Hydroger Oxidized	ained Leaven A.	es (B13) dor (C1) eres along	Living Roc		Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (CS Geomorphic Position (D2)
Vetland Hydro rimary Indicate Surface Wa High Water Saturation (Water Mark Sediment D Drift Depos Algal Mat o	cology Indicator cors (minimum or cater (A1) r Table (A2) (A3) cs (B1) Deposits (B2) sits (B3) or Crust (B4)		red; che	Water-Sta 1, 2, 4 Salt Crus Aquatic Ir Hydroger Oxidized Presence	ained Leaver 44, and 48 to (B11) envertebrate on Sulfide Control Rhizosphere of Reduce	es (B13) dor (C1) eres along ed Iron (C	Living Roo 4)	ots (C3)	 Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) □ Drainage Patterns (B10) □ Dry-Season Water Table (C2) □ Saturation Visible on Aerial Imagery (CS ☑ Geomorphic Position (D2) □ Shallow Aquitard (D3)
Vetland Hydrorimary Indicate Surface Wa High Water Saturation (Water Mark Sediment D Drift Depos Algal Mat o	cology Indicator cors (minimum or cater (A1) Table (A2) (A3) KS (B1) Deposits (B2) Sits (B3) Or Crust (B4) Sits (B5)		red; che	Water-Sta 1, 2, 4 Salt Crus Aquatic Ir Hydroger Oxidized Presence Recent Ir	ained Leaver 44, and 48 trick (B11) invertebrate in Sulfide Control Rhizospher of Reduction Reduction Reduction	es (B13) dor (C1) eres along ed Iron (C- ion in Tille	Living Roc 4) d Soils (C6	ots (C3)	Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) □ Drainage Patterns (B10) □ Dry-Season Water Table (C2) □ Saturation Visible on Aerial Imagery (CS) □ Geomorphic Position (D2) □ Shallow Aquitard (D3) 図 FAC-Neutral Test (D5)
Vetland Hydrorimary Indicate Surface Wa High Water Saturation (Water Mark Sediment D Drift Depos Algal Mat o Iron Deposi Surface Soi	cology Indicator cors (minimum or cater (A1) Table (A2) (A3) (A3) (A5) Coeposits (B2) Coeposits (B3) Coeposits (B4) Coeposits (B4) Coeposits (B5) Coeposits (B6)	f one requi		Water-Sta 1, 2, 4 Salt Crus Aquatic Ir Hydroger Oxidized Presence Recent Ir	ained Leav 4A, and 4E t (B11) nvertebrate n Sulfide O Rhizosphe e of Reduct on Reduct or Stressed	es (B13) dor (C1) eres along ed Iron (Coion in Tille I Plants (D	Living Roo 4)	ots (C3)	Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) □ Drainage Patterns (B10) □ Dry-Season Water Table (C2) □ Saturation Visible on Aerial Imagery (C9 ☑ Geomorphic Position (D2) □ Shallow Aquitard (D3) ☑ FAC-Neutral Test (D5) □ Raised Ant Mounds (D6) (LRR A)
/etland Hydro rimary Indicate Surface Wa High Water Saturation (Water Mark Sediment D Drift Depos Algal Mat o Iron Deposi Surface Soi	cology Indicator cors (minimum or cater (A1) Table (A2) (A3) (A3) (A3) (A3) (A4) (A5) (A5) (A5) (A5) (A5) (A6) (A6) (A6) (A6) (A6) (A6) (A6) (A6	f one requi	(B7)	Water-Sta 1, 2, 4 Salt Crus Aquatic Ir Hydroger Oxidized Presence Recent Ir	ained Leaver 44, and 48 trick (B11) invertebrate in Sulfide Control Rhizospher of Reduction Reduction Reduction	es (B13) dor (C1) eres along ed Iron (Coion in Tille I Plants (D	Living Roc 4) d Soils (C6	ots (C3)	Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) □ Drainage Patterns (B10) □ Dry-Season Water Table (C2) □ Saturation Visible on Aerial Imagery (CS) □ Geomorphic Position (D2) □ Shallow Aquitard (D3) 図 FAC-Neutral Test (D5)
/etland Hydro rimary Indicate Surface Wa High Water Saturation (Water Mark Sediment D Drift Depos Algal Mat o Iron Deposi Surface Soi Inundation (Sparsely Ve	cology Indicator cors (minimum or cater (A1) Table (A2) (A3) (A3) Coeposits (B2) Sits (B3) Or Crust (B4) Sits (B5) Sit (B5) Sit (B6) Visible on Aeria egetated Conca	f one requi	(B7)	Water-Sta 1, 2, 4 Salt Crus Aquatic Ir Hydroger Oxidized Presence Recent Ir	ained Leav 4A, and 4E t (B11) nvertebrate n Sulfide O Rhizosphe e of Reduct on Reduct or Stressed	es (B13) dor (C1) eres along ed Iron (Coion in Tille I Plants (D	Living Roc 4) d Soils (C6	ots (C3)	Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) □ Drainage Patterns (B10) □ Dry-Season Water Table (C2) □ Saturation Visible on Aerial Imagery (C9 ☑ Geomorphic Position (D2) □ Shallow Aquitard (D3) ☑ FAC-Neutral Test (D5) □ Raised Ant Mounds (D6) (LRR A)
Vetland Hydrorimary Indicate Surface Wa High Water Saturation (Water Mark Sediment D Drift Depos Algal Mat o Iron Deposi Surface Soi Inundation Sparsely Vetical	cology Indicator cors (minimum or cater (A1) Table (A2) (A3) (A5) Ceposits (B2) Cortist (B3) Cortist (B4) Cortist (B5) Cortist (B5) Cortist (B6) Visible on Aeria Cortist (B6)	f one requi	B7) e (B8)	Water-Sta 1, 2, 4 Salt Crus Aquatic Ir Hydroger Oxidized Presence Recent Ir Stunted of	ained Leav 4A, and 4E t (B11) nvertebrate n Sulfide C Rhizosphe e of Reduct on Reduct or Stressed xplain in Re	es (B13) dor (C1) eres along ed Iron (C ion in Tille I Plants (D emarks)	Living Roc 4) d Soils (C6	ots (C3)	Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) □ Drainage Patterns (B10) □ Dry-Season Water Table (C2) □ Saturation Visible on Aerial Imagery (C9 ☑ Geomorphic Position (D2) □ Shallow Aquitard (D3) ☑ FAC-Neutral Test (D5) □ Raised Ant Mounds (D6) (LRR A)
/etland Hydro rimary Indicate Surface Wa High Water Saturation (Water Mark Sediment D Drift Depos Algal Mat o Iron Deposi Surface Soi Inundation Sparsely Ve ield Observat urface Water	cology Indicator cors (minimum or cater (A1) Table (A2) (A3) (A3) (A3) (A3) (A3) (A3) (A3) (A3	f one requi	B7) e (B8) No 🛭	Water-Sta 1, 2, 4 Salt Crus Aquatic Ir Hydroger Oxidized Presence Recent Ir Stunted of Other (Ex	ained Leav 4A, and 4B t (B11) nvertebrate n Sulfide O Rhizosphe e of Reduct on Reduct or Stressed xplain in Re es): None	es (B13) dor (C1) eres along ed Iron (C- ion in Tille I Plants (Demarks)	Living Roc 4) d Soils (C6	ots (C3)	Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) □ Drainage Patterns (B10) □ Dry-Season Water Table (C2) □ Saturation Visible on Aerial Imagery (C9 ☑ Geomorphic Position (D2) □ Shallow Aquitard (D3) ☑ FAC-Neutral Test (D5) □ Raised Ant Mounds (D6) (LRR A)
/etland Hydro rimary Indicate Surface Wa High Water Saturation (Water Mark Sediment D Drift Depos Algal Mat o Iron Deposi Surface Soi Inundation Sparsely Ve ield Observat Vater Table Pr	cology Indicator cors (minimum or cater (A1) Table (A2) (A3) CS (B1) Deposits (B2) Sits (B3) Or Crust (B4) Sits (B5) Sil Cracks (B6) Visible on Aeria egetated Conca tions: Present?	I Imagery (ve Surface Yes Yes Yes	B7) s (B8) No 🗵	Water-Sta 1, 2, 4 Salt Crus Aquatic Ir Hydroger Oxidized Presence Recent Ir Stunted of Other (Ex	ained Leav 4A, and 4B t (B11) nvertebrate n Sulfide C Rhizosphe e of Reduct on Reduct or Stressed xplain in Re es): None None	es (B13) dor (C1) eres along ed Iron (C ion in Tille I Plants (C emarks)	Living Roo 4) d Soils (C6 11) (LRR A	ots (C3) 6))	Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) □ Drainage Patterns (B10) □ Dry-Season Water Table (C2) □ Saturation Visible on Aerial Imagery (CS) □ Geomorphic Position (D2) □ Shallow Aquitard (D3) □ FAC-Neutral Test (D5) □ Raised Ant Mounds (D6) (LRR A) □ Frost-Heave Hummocks (D7)
/etland Hydro rimary Indicate Surface Wa High Water Saturation (Water Mark Sediment D Drift Depos Algal Mat o Iron Deposi Surface Soi Inundation Sparsely Ve ield Observat urface Water	cology Indicator cors (minimum or cater (A1) Table (A2) (A3) (A3) (A3) (A3) (A3) (A3) (A3) (A3	I Imagery (ve Surface Yes Yes Yes	B7) e (B8) No 🛭	Water-Sta 1, 2, 4 Salt Crus Aquatic Ir Hydroger Oxidized Presence Recent Ir Stunted of Other (Ex	ained Leav 4A, and 4B t (B11) nvertebrate n Sulfide C Rhizosphe e of Reduct on Reduct or Stressed xplain in Re es): None None	es (B13) dor (C1) eres along ed Iron (C ion in Tille I Plants (C emarks)	Living Roo 4) d Soils (C6 11) (LRR A	ots (C3) 6))	Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) □ Drainage Patterns (B10) □ Dry-Season Water Table (C2) □ Saturation Visible on Aerial Imagery (C9 ☑ Geomorphic Position (D2) □ Shallow Aquitard (D3) ☑ FAC-Neutral Test (D5) □ Raised Ant Mounds (D6) (LRR A)
/etland Hydro rimary Indicate Surface Wa High Water Saturation (Water Mark Sediment D Drift Depos Algal Mat o Iron Deposi Inundation Sparsely Ve ield Observat urface Water I /ater Table Pr aturation Pres ncludes capilla	cology Indicator cors (minimum or cater (A1) Table (A2) (A3) (A3) (A3) (A3) (A3) (A3) (A3) (A3	I Imagery (ve Surface Yes Yes Yes Yes Yes Yes Yes	B7) e (B8) No 🗵 No 🗵	Water-Sta 1, 2, 4 Salt Crus Aquatic Ir Hydroger Oxidized Presence Recent Ir Stunted of Other (Ex	ained Leav 44A, and 48 t (B11) nvertebrate n Sulfide C Rhizosphe e of Reduct on Reduct or Stressed xplain in Re es): None None None	es (B13) dor (C1) eres along ed Iron (C ion in Tille I Plants (C emarks)	Living Roc 4) d Soils (C6 1) (LRR A	ots (C3) S)) Jand Hyd	Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) □ Drainage Patterns (B10) □ Dry-Season Water Table (C2) □ Saturation Visible on Aerial Imagery (C9) □ Shallow Aquitard (D2) □ Shallow Aquitard (D3) □ FAC-Neutral Test (D5) □ Raised Ant Mounds (D6) (LRR A) □ Frost-Heave Hummocks (D7)
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/etland Hydro rimary Indicate Surface Wa High Water Saturation (Water Mark Sediment D Drift Depos Algal Mat o Iron Deposi Inundation Sparsely Veield Observat urface Water Vater Table Praturation Presencludes capillates cribe Recorpone emarks:	cology Indicator cors (minimum or cater (A1) Table (A2) (A3) (A3) (A3) (A3) (A3) (A3) (A3) (A3	I Imagery (ve Surface Yes Yes Yes Yes am gauge,	B7) 9 (B8) No 🗵 No 🗵 nonitori	Water-Sta 1, 2, 4 Salt Crus Aquatic Ir Hydroger Oxidized Presence Recent Ir Stunted of Other (Ex	ained Leaver And	es (B13) dor (C1) eres along ed Iron (C- ion in Tille I Plants (C- emarks)	Living Roc 4) d Soils (C6 1) (LRR A	ots (C3) S) Jand Hyd	Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) □ Drainage Patterns (B10) □ Dry-Season Water Table (C2) □ Saturation Visible on Aerial Imagery (C9) □ Shallow Aquitard (D2) □ Shallow Aquitard (D3) □ FAC-Neutral Test (D5) □ Raised Ant Mounds (D6) (LRR A) □ Frost-Heave Hummocks (D7)

Project/Site: 2166.0001 / W Bakerview Rd	(City/Cour	nty: Belling	ham / Whatcom	Sampling Date: 8/23/2024
Applicant/Owner: The RJ Group				State: WA	Sampling Point: DP-6W
Investigator(s): Shaun Sweeny			_ Section, To	ownship, Range: 13, 38	N, 2E
Landform (hillslope, terrace, etc.): Flat					
Subregion (LRR): A2					
Soil Map Unit Name: Whatcom-Labounty silt loams,					
Are climatic / hydrologic conditions on the site typical for this				f no, explain in Remarks.)	
Are Vegetation, Soil, or Hydrology sign	•		,	ormal Circumstances" pres	sent? Ves 🕅 No 🗆
Are Vegetation, Soil, or Hydrology natu	-			ed, explain any answers ir	
SUMMARY OF FINDINGS – Attach site map s					
	3.1.0 W.II.ig		ng pome n		mportant routaroo, otor
Hydrophytic Vegetation Present? Yes ☒ No ☐		Is	the Sampled	l Area	
Hydric Soil Present? Yes ☒ No ☐ Wetland Hydrology Present? Yes ☒ No ☐		wit	thin a Wetlar	nd? Yes ເ× N	o 🗆
Wetland Hydrology Present? Yes ☒ No ☐ Remarks:					
All three wetland criteria met. DP-6W was est	ablished wi	thin Wet	land C. Data	collected in the northwe	st portion of the study area, in
Wetland C, south-southwest of flag C8.					
VEGETATION - Use scientific names of plant	ts.				
T. O. (DI.) (200)			nt Indicator	Dominance Test works	sheet:
Tree Stratum (Plot size: 30 ft) 1. Alnus rubra	% Cover 20	Yes	Status FAC	Number of Dominant Sp That Are OBL, FACW, o	
2		-		That Are OBL, FACVV, C	or FAC: <u>4</u> (A)
3				Total Number of Domina Species Across All Strat	
4.					(,
	20	= Total	Cover	Percent of Dominant Sp That Are OBL, FACW, or	
Sapling/Shrub Stratum (Plot size: 30 ft)	00	V	E 4 O 1 4 /		
1. Spiraea douglasii	60	Yes	FACW	Prevalence Index work	
2. Rubus armeniacus	10	No	FAC	Total % Cover of:	
3					x 1 =
4					x 2 = x 3 =
5	70	= Total	Cover	· ·	x 4 =
Herb Stratum (Plot size: 10 ft)		- rotar			x 5 =
1. Ranunculus repens	15	Yes	FAC		(A) (B)
2. Phalaris arundinacea	8	Yes	FACW		
3. Cardamine ogliosperma	2	No	FAC		= B/A =
4. Geum macrophyllum	2	No	FAC	Hydrophytic Vegetatio Rapid Test for Hydro	
5				Dominance Test is >	. ,
6				☐ Prevalence Index is	
7					tations ¹ (Provide supporting
8. 9.					or on a separate sheet)
10.				☐ Wetland Non-Vascu	lar Plants ¹
11.		_		• •	hytic Vegetation ¹ (Explain)
	27	= Total	Cover	¹ Indicators of hydric soil be present, unless distu	and wetland hydrology must rbed or problematic.
Woody Vine Stratum (Plot size: 30 ft)					
1				Hydrophytic	
2	0		Cover	Vegetation Present? Yes	s⊠ No □
% Bare Ground in Herb Stratum 0		- rotar	COVCI		
Remarks: Hydrophytic vegetation criteria met thro	ouah the I	Domina	nce Test		
, , , , , , , , , , , , , , , , , , , ,	J				

	Color (moist)	%		or (moist)	%	Type ¹		Textur		Remarks	
0 - 5	10YR 3/1	95	10\	YR 3/4	5	<u>C</u>	<u>M</u>	SiLo		With organic mate	erial
5 - 8	10YR 3/1	70			-	_	-	SiLo	:	Silt Ioam. Mixed n	natrix.
	10YR 4/2	20	10	YR 3/4	10	С	M	CILo	(Clay loam. Mixed	matrix.
3 - 14	10YR 5/2	80	10	YR 3/4	10	С	M	CILo	(Clay Ioam. Mixed	matrix.
	10 YR 3/1	10	_ =		-	_	-	SiLo	-	Silt Ioam. Mixed n	natrix.
					_	_					
	noontration D_D		 DM_Dad	luood Matrix, CS		ad or Coo	tod Sand C	roine	2l ooot	ion: DI –Boro Linin	a M-Motriy
	ncentration, D=Dendicators: (Appl						ted Sand G			ion: PL=Pore Lining for Problematic H	
] Histosol (Sandy Redox (S		,				luck (A10)	-
•	pedon (A2)			Stripped Matrix						arent Material (TF2)	
Black His				Loamy Mucky N	. ,	1) (excep	t MLRA 1)			hallow Dark Surface	e (TF12)
	Sulfide (A4)			Loamy Gleyed I			,		-	Explain in Remarks	
	Below Dark Surfa	ace (A11)		Depleted Matrix	,	_,			, oo. (,
	k Surface (A12)	100 (7111)		Redox Dark Su		:)		³ lr	ndicators	of hydrophytic vege	etation and
	ucky Mineral (S1)			Depleted Dark S	•	•		"		hydrology must be	
-	eyed Matrix (S4)			Redox Depress						disturbed or problen	
				Redux Depless	IUIIS (FO)			uniess	disturbed of problem	ialic.
Type: Noi	ayer (if present):	:									
Depth (inc				-				Hydri	ic Soil P	resent? Yes 🗵	No □
	,			•				Hyun	ic Juli F	esent: Tes 🔼	NO 🗀
/dric soil (criteria met thr	ough in	dicator	rs A11, F3, a	ınd F6.			1			
ydric soil (GY		dicator	rs A11, F3, a	and F6.						
ydric soil (/DROLO(/etland Hyd		s:							Seconda	ary Indicators (2 or ı	more required)
ydric soil (/DROLO(/etland Hydrimary Indic	GY Irology Indicator ators (minimum o	s:			ly)	ves (B9) (except ML	RA			
YDROLOG Vetland Hydrimary Indical	GY Irology Indicator ators (minimum o	s:		eck all that appl ☐ Water-Stai	ly)	, , ,	except ML	RA	☐ Wat	ary Indicators (2 or reer-Stained Leaves (
/ DROLOG etland Hyd rimary Indical Surface V	GY Irology Indicator ators (minimum o Vater (A1) er Table (A2)	s:		eck all that appl ☐ Water-Stai	ly) ined Lea A, and 4	, , ,	except ML	RA	☐ Wat	er-Stained Leaves (B9) (MLRA 1, 2
/ DROLOG / Cetland Hydrimary Indical Surface V High Wate Saturation	GY Irology Indicator ators (minimum o Vater (A1) er Table (A2) n (A3)	s:		eck all that appl Water-Stai 1, 2, 4	ly) ined Lea A, and 4 (B11)	В)	except ML	RA	☐ Wate	er-Stained Leaves (B9) (MLRA 1, 2
YDROLOG Yetland Hydrimary Indice Surface V High Wate Saturation Water Ma	GY Irology Indicator ators (minimum o Vater (A1) er Table (A2) n (A3)	s:		eck all that appl Water-Stai 1, 2, 4	ly) ined Lea A, and 4 (B11) vertebrat	B) es (B13)	except ML		☐ Wate	er-Stained Leaves (IA, and 4B) nage Patterns (B10	B9) (MLRA 1, 2) e (C2)
YDROLOG Yetland Hydrimary Indice Surface V High Wate Saturation Water Ma	Irology Indicator ators (minimum or Vater (A1) er Table (A2) n (A3) urks (B1) Deposits (B2)	s:		eck all that appl Water-Stai 1, 2, 4, Salt Crust Aquatic Inv	ly) ined Lea A, and 4 (B11) vertebrat Sulfide (es (B13) Odor (C1)	·		☐ Wate	er-Stained Leaves (IA, and 4B) nage Patterns (B10 Season Water Tabl	B9) (MLRA 1, 2) e (C2) erial Imagery (C
/DROLOG/etland Hydrimary Indical Surface V High Water Mare Water Mare Sediment Drift Depor	Irology Indicator ators (minimum or Vater (A1) er Table (A2) n (A3) urks (B1) Deposits (B2)	s:		eck all that appl Water-Stai 1, 2, 4, Salt Crust Aquatic Inv	ined Lea A, and 4 (B11) vertebrat Sulfide (es (B13) Odor (C1) eres along	i Living Roo		☐ Wate ☐ Drai ☐ Dry- ☐ Satu ☑ Geo	er-Stained Leaves (IA, and 4B) nage Patterns (B10 Season Water Tabl tration Visible on Ae	B9) (MLRA 1, 2) e (C2) erial Imagery (C
/DROLOG /etland Hydrimary Indica Surface V High Water Saturation Water Ma Sediment Drift Depo	Irology Indicator ators (minimum of Vater (A1) er Table (A2) n (A3) arks (B1) Deposits (B2) posits (B3) or Crust (B4)	s:		eck all that appl Water-Stai 1, 2, 4/ Salt Crust Aquatic Inv Hydrogen Oxidized R	ly) ined Lea A, and 4 (B11) vertebrat Sulfide C Rhizosph of Reduc	es (B13) Odor (C1) eres along ed Iron (C	i Living Roo (4)	ots (C3)	☐ Wate ☐ Drai ☐ Dry- ☐ Satu ☒ Geo ☐ Shal	er-Stained Leaves (IA, and 4B) nage Patterns (B10 Season Water Tabl Iration Visible on Ae morphic Position (D	B9) (MLRA 1, 2) e (C2) erial Imagery (C
/DROLOG /etland Hydrimary Indica Surface V High Water Ma Sediment Drift Depo	Irology Indicator ators (minimum of Vater (A1) er Table (A2) n (A3) arks (B1) Deposits (B2) posits (B3) or Crust (B4)	s:		eck all that appl Water-Stai 1, 2, 4, Salt Crust Aquatic Inv Hydrogen Oxidized R	ly) ined Lea A, and 4 (B11) vertebrat Sulfide C Rhizosph of Reduc	es (B13) Odor (C1) eres along red Iron (C	J Living Roo (4) ed Soils (Cé	ots (C3)	☐ Water ☐ Drai ☐ Dry- ☐ Satu ☑ Geo ☐ Shal ☒ FAC	er-Stained Leaves (IA, and 4B) nage Patterns (B10 Season Water Tablaration Visible on Ae morphic Position (D low Aquitard (D3)	B9) (MLRA 1, 2) e (C2) erial Imagery (C
/DROLOG /etland Hyd rimary Indic Surface V High Wate Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Surface S	Irology Indicator ators (minimum o Vater (A1) er Table (A2) n (A3) urks (B1) Deposits (B2) osits (B3) or Crust (B4) osits (B5)	s: f one requ	uired; che	eck all that appl Water-Stai 1, 2, 4/ Salt Crust Aquatic Inv Hydrogen Oxidized R Presence o	ly) ined Lea A, and 4 (B11) vertebrat Sulfide (Rhizosph of Reduc n Reduc	es (B13) Odor (C1) eres along ed Iron (C tion in Tille d Plants (E	J Living Roo (4) ed Soils (Cé	ots (C3)	Water Drai Dry- Satu Geo Shal	er-Stained Leaves (IA, and 4B) nage Patterns (B10 Season Water Tableration Visible on Ae morphic Position (D low Aquitard (D3) -Neutral Test (D5) ed Ant Mounds (D6	B9) (MLRA 1, 2) e (C2) erial Imagery (C 2)
/DROLOG /etland Hyd rimary Indic.] Surface V] High Wate] Saturation] Water Ma] Sediment] Drift Depo Algal Mat] Iron Depo] Surface S] Inundation	Irology Indicator ators (minimum or Vater (A1) er Table (A2) n (A3) urks (B1) Deposits (B2) posits (B3) or Crust (B4) posits (B5) Soil Cracks (B6)	s: f one requ	uired; che	eck all that appl Water-Stai 1, 2, 4/ Salt Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iro	ly) ined Lea A, and 4 (B11) vertebrat Sulfide (Rhizosph of Reduc n Reduc	es (B13) Odor (C1) eres along ed Iron (C tion in Tille d Plants (E	J Living Roo (4) ed Soils (Cé	ots (C3)	Water Drai Dry- Satu Geo Shal	er-Stained Leaves (IA, and 4B) nage Patterns (B10 Season Water Tableration Visible on Ae morphic Position (D low Aquitard (D3) -Neutral Test (D5)	B9) (MLRA 1, 2) e (C2) erial Imagery (C 2)
/DROLOG /etland Hyd rimary Indic: Surface V High Water Ma Sediment Drift Depo Algal Mat Iron Depo Surface S Inundation Sparsely	Irology Indicator ators (minimum or Vater (A1) er Table (A2) n (A3) arks (B1) Deposits (B2) posits (B3) or Crust (B4) posits (B5) soil Cracks (B6) n Visible on Aeria Vegetated Conca	s: f one requ	uired; che	eck all that appl Water-Stai 1, 2, 4/ Salt Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iro	ly) ined Lea A, and 4 (B11) vertebrat Sulfide (Rhizosph of Reduc n Reduc	es (B13) Odor (C1) eres along ed Iron (C tion in Tille d Plants (E	J Living Roo (4) ed Soils (Cé	ots (C3)	Water Drai Dry- Satu Geo Shal	er-Stained Leaves (IA, and 4B) nage Patterns (B10 Season Water Tableration Visible on Ae morphic Position (D low Aquitard (D3) -Neutral Test (D5) ed Ant Mounds (D6	B9) (MLRA 1, 2) e (C2) erial Imagery (C 2)
POROLOG Petland Hydrimary Indication Surface V High Water Ma Sediment Drift Depo Algal Mat I ron Depo Surface S Inundation Sparsely Peld Observer	Irology Indicator ators (minimum or Vater (A1) er Table (A2) n (A3) urks (B1) Deposits (B2) posits (B3) or Crust (B4) posits (B5) Goil Cracks (B6) n Visible on Aeria Vegetated Conca	s: f one requ	uired; che	eck all that appl Water-Stai 1, 2, 4/ Salt Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iro Stunted or Other (Exp	ined Lea A, and 4 (B11) vertebrat Sulfide (Rhizosph of Reduc n Reduc Stresse	es (B13) Odor (C1) eres along red Iron (C tion in Tille d Plants (E emarks)	J Living Roo (4) ed Soils (Cé	ots (C3)	Water Drai Dry- Satu Geo Shal	er-Stained Leaves (IA, and 4B) nage Patterns (B10 Season Water Tableration Visible on Ae morphic Position (D low Aquitard (D3) -Neutral Test (D5) ed Ant Mounds (D6	B9) (MLRA 1, 2) e (C2) erial Imagery (C 2)
Property of the control of the contr	Irology Indicator ators (minimum or Vater (A1) er Table (A2) n (A3) urks (B1) Deposits (B2) posits (B3) or Crust (B4) posits (B5) soil Cracks (B6) n Visible on Aeria Vegetated Conca vations: er Present?	s: f one requ I Imagery ve Surfac	uired; che	eck all that appl Water-Stai 1, 2, 4/ Salt Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iro	ly) ined Lea A, and 4 (B11) vertebrat Sulfide C Rhizosph of Reduc n Reduc Stresse blain in R	es (B13) Odor (C1) eres along ed Iron (C tion in Tille d Plants (E emarks)	J Living Roo (4) ed Soils (Cé	ots (C3)	Water Drai Dry- Satu Geo Shal	er-Stained Leaves (IA, and 4B) nage Patterns (B10 Season Water Tableration Visible on Ae morphic Position (D low Aquitard (D3) -Neutral Test (D5) ed Ant Mounds (D6	B9) (MLRA 1, 2) e (C2) erial Imagery (C 2)
YDROLOG Vetland Hyd Irimary Indication Surface Water Mater Table Mater Table Mater Table Mater M	Irology Indicator ators (minimum or Vater (A1) er Table (A2) n (A3) arks (B1) Deposits (B2) posits (B3) or Crust (B4) posits (B5) or Cracks (B6) n Visible on Aeria Vegetated Conca vations: er Present? Present?	s: f one requ I Imagery ve Surfac	uired; che	eck all that appl Water-Stai 1, 2, 4/ Salt Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iro Stunted or Other (Exp	ly) ined Lea A, and 4 (B11) vertebrat Sulfide (Rhizosph of Reduc Stresse blain in R	es (B13) Dodor (C1) eres along eed Iron (C tion in Tille d Plants (I emarks) e	J Living Roo (4) ed Soils (C6 (1) (LRR A	ots (C3) 5) .)	Wate Drai Dry- Satu Geo Shal FAC Rais	er-Stained Leaves (IA, and 4B) nage Patterns (B10 Season Water Tableration Visible on Ae morphic Position (D low Aquitard (D3) -Neutral Test (D5) ed Ant Mounds (D6	B9) (MLRA 1, 2) e (C2) erial Imagery (C2 2)
YDROLOG Vetland Hyd Vetland Hyd Vetland Hyd Vetland Hyd Vetland Hyd Vetland Hyd Surface V High Wate Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Surface S Inundation Sparsely Vetland Observet Vet	Irology Indicator ators (minimum or Vater (A1) er Table (A2) n (A3) arks (B1) Deposits (B2) posits (B3) or Crust (B4) posits (B5) or Cracks (B6) n Visible on Aeria Vegetated Conca vations: er Present? Present?	I Imagery ve Surface Yes Yes Yes Yes Yes Yes	uired; che (B7) ce (B8) No 🔀 No 🔀	eck all that appl Water-Stai 1, 2, 4/ Salt Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iro Stunted or Other (Exp	ly) ined Lea A, and 4 (B11) vertebrat Sulfide (Rhizosph of Reduc n Reduc Stresse blain in R s): Non Non	es (B13) Dodor (C1) eres along ed Iron (C tion in Tille d Plants (E emarks) e e e	J Living Roo (4) ed Soils (Ce (D1) (LRR A	ots (C3) 6) .) land Hyd	☐ Water ☐ Drai ☐ Dry- ☐ Satu ☒ Geo ☐ Shal ☒ FAC ☐ Rais ☐ Fros	er-Stained Leaves (IA, and 4B) nage Patterns (B10 Season Water Tableration Visible on Aemorphic Position (D low Aquitard (D3) -Neutral Test (D5) ed Ant Mounds (D6 t-Heave Hummocks	B9) (MLRA 1, 2) e (C2) erial Imagery (C :2) () (LRR A) is (D7)
YDROLOG Vetland Hyd Primary Indica Surface V High Water Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Surface S Inundation Sparsely Field Observe Surface Water Vater Table Institutes cap	Irology Indicator ators (minimum or Vater (A1) er Table (A2) n (A3) urks (B1) Deposits (B2) usits (B3) or Crust (B4) usits (B5) usits (B5) un Visible on Aeria Vegetated Conca vations: ur Present? uresent? uresent? uresent?	I Imagery ve Surface Yes Yes Yes Yes Yes Yes	uired; che (B7) ce (B8) No 🔀 No 🔀	eck all that appl Water-Stai 1, 2, 4/ Salt Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iro Stunted or Other (Exp	ly) ined Lea A, and 4 (B11) vertebrat Sulfide (Rhizosph of Reduc n Reduc Stresse blain in R s): Non Non	es (B13) Dodor (C1) eres along ed Iron (C tion in Tille d Plants (E emarks) e e e	J Living Roo (4) ed Soils (Ce (D1) (LRR A	ots (C3) 6) .) land Hyd	☐ Water ☐ Drai ☐ Dry- ☐ Satu ☒ Geo ☐ Shal ☒ FAC ☐ Rais ☐ Fros	er-Stained Leaves (IA, and 4B) nage Patterns (B10 Season Water Tableration Visible on Aemorphic Position (D low Aquitard (D3) -Neutral Test (D5) ed Ant Mounds (D6 t-Heave Hummocks	B9) (MLRA 1, 2) e (C2) erial Imagery (C 2)) (LRR A) s (D7)
/DROLOG /etland Hyd rimary Indic: Surface V High Wate Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Surface S Inundation Sparsely ield Observ urface Water vater Table I	Irology Indicator ators (minimum or Vater (A1) er Table (A2) n (A3) urks (B1) Deposits (B2) usits (B3) or Crust (B4) usits (B5) usits (B5) un Visible on Aeria Vegetated Conca vations: ur Present? uresent? uresent? uresent?	I Imagery ve Surface Yes Yes Yes Yes Yes Yes	uired; che (B7) ce (B8) No 🔀 No 🔀	eck all that appl Water-Stai 1, 2, 4/ Salt Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iro Stunted or Other (Exp	ly) ined Lea A, and 4 (B11) vertebrat Sulfide (Rhizosph of Reduc n Reduc Stresse blain in R s): Non Non	es (B13) Dodor (C1) eres along ed Iron (C tion in Tille d Plants (E emarks) e e e	J Living Roo (4) ed Soils (Ce (D1) (LRR A	ots (C3) 6) .) land Hyd	☐ Water ☐ Drai ☐ Dry- ☐ Satu ☒ Geo ☐ Shal ☒ FAC ☐ Rais ☐ Fros	er-Stained Leaves (IA, and 4B) nage Patterns (B10 Season Water Tableration Visible on Aemorphic Position (D low Aquitard (D3) -Neutral Test (D5) ed Ant Mounds (D6 t-Heave Hummocks	B9) (MLRA 1, 2) e (C2) erial Imagery (C :2) () (LRR A) is (D7)

Project/Site: 2166.0001 / W Bakerview Road		City/County	_{/:} Bellingl	ham / Whatcom	Sampling Date: 8/23/2024
Applicant/Owner: The RJ Group				State: WA	Sampling Point: DP-17W
				ownship, Range: 13, 38N	
Landform (hillslope, terrace, etc.): Depression		Local relie	ef (concave,	, convex, none): Concav	re Slope (%): 1
Subregion (LRR): A2	_ _{Lat:} 48.	788501		Long: -122.4944512	22 _{Datum:} WGS84
Soil Map Unit Name: Whatcom-Labounty silt loams					
Are climatic / hydrologic conditions on the site typical for thi	s time of yea	ır? Yes 🗷	No ☐ (I	f no, explain in Remarks.)	
Are Vegetation, Soil, or Hydrology sig	nificantly dis	turbed?	Are "No	ormal Circumstances" pres	ent? Yes ☒ No ☐
Are Vegetation, Soil, or Hydrology natu	urally probler	natic?	(If neede	ed, explain any answers in	Remarks.)
SUMMARY OF FINDINGS - Attach site map	showing	samplin	g point lo	ocations, transects,	important features, etc.
Hydrophytic Vegetation Present? Yes ☒ No ☐					
Hydric Soil Present? Yes ⊠ No □			e Sampled		_
Wetland Hydrology Present? Yes ☒ No ☐		with	in a Wetlar	nd? Yes ☒ No	0 ∐
Remarks:					
All three wetland criteria met. DI	P-17 was	establis	hed wit	hin Wetland F, nor	rthwest of flag F2.
VEGETATION – Use scientific names of plan	ts.				
	Absolute	Dominant	Indicator	Dominance Test works	heet:
Tree Stratum (Plot size: 30 ft)		Species?		Number of Dominant Sp	
1. Populus balsamifera	90	Yes	FAC	That Are OBL, FACW, o	r FAC: <u>4</u> (A)
2				Total Number of Domina	
3				Species Across All Strate	a: <u>4</u> (B)
4	90	= Total C		Percent of Dominant Spo	
Sapling/Shrub Stratum (Plot size: 30 ft)		- rotar o		That Are OBL, FACW, o	r FAC: <u>100%</u> (A/B)
1. Spiraea douglasii	30	Yes	FACW	Prevalence Index work	sheet:
2. Lonicera involucrata	15	Yes	FAC		Multiply by:
3. Populus balsamifera	10	No	FAC		x 1 =
4. Cornus alba	5	No	FACW		x 2 =
5					x 3 =
Llorb Ctrotum (Diet size: 40 ft)	60	= Total C	over		x 4 =
Herb Stratum (Plot size: 10 ft) 1. Juncus effusus	15	Yes	FACW		x 5 =
2. Carex obnupta	3	No	OBL	Column Totals:	(A) (B)
3	<u> </u>			Prevalence Index	= B/A =
4				Hydrophytic Vegetation	
5				☐ Rapid Test for Hydro	
6.				■ Dominance Test is >	
7				☐ Prevalence Index is	≤3.0¹
8.					tations ¹ (Provide supporting
9					or on a separate sheet)
10				☐ Wetland Non-Vascul	
11					nytic Vegetation ¹ (Explain)
Woody Vine Stratum (Plot size: 30 ft)	18	= Total C	over	be present, unless distu	and wetland hydrology must rbed or problematic.
1					
2.				Hydrophytic Vegetation	
_	0	= Total C	over		X No □
% Bare Ground in Herb Stratum 0					
Remarks: Hydrophytic vegetation criteria met thr	ough the	Dominan	ce Test.		
	J				

Sampling Point: DP-17W

Profile Desc	, p									
Depth	Matrix (See See See See See See See See See Se	0/			x Feature		12	T t		Damada
(inches) 0 - 8	Color (moist) 10YR 3/1	<u>%</u> 100	<u>C010</u>	r (moist)	<u>%</u>	Type ¹	Loc ²	<u>Textur</u> SiLo	re	Remarks Silt Loam
	•			(D. 0./0	_		-			
8 - 14+	10YR 5/1	90	10	/R 3/6	10	<u>C</u>	M	CILo		Clay Loam
		_	_							
		_	_		_					
					_					
¹ Type: C=Ce	oncentration, D=De	epletion. F	RM=Red	uced Matrix. CS	S=Covere	d or Coate	ed Sand G	rains.	² Loc	eation: PL=Pore Lining, M=Matrix.
	Indicators: (Appli									rs for Problematic Hydric Soils ³ :
☐ Histosol	(A1)			Sandy Redox (S	S5)] 2 cm	Muck (A10)
	pipedon (A2)			Stripped Matrix					Red	Parent Material (TF2)
☐ Black His	stic (A3)		□ L	_oamy Mucky N	/lineral (F	1) (except	MLRA 1)		Very	Shallow Dark Surface (TF12)
	n Sulfide (A4)			_oamy Gleyed I	•	2)] Othe	r (Explain in Remarks)
	Below Dark Surfa	ce (A11)		Depleted Matrix				2.		
	ark Surface (A12)			Redox Dark Su	. ,			3		rs of hydrophytic vegetation and
_	lucky Mineral (S1) leyed Matrix (S4)			Depleted Dark S Redox Depress	•	-7)				nd hydrology must be present, s disturbed or problematic.
	Layer (if present):			redux Depless	10115 (1 0)				uilles	s disturbed of problematic.
Type: No										
Depth (in								Hydr	ic Soil	Present? Yes ⊠ No □
Remarks:								riyui	10 0011	resent: res 🖪 No 🗆
	oritorio mot thr	ough in	diootor	o A11 and E	2					
Hydric Soil	criteria met thre	ougn in	uicatoi	s A i i and F	· 3.					
HYDROLO	GY									
	GY drology Indicators	S:								
Wetland Hy			ired; che	eck all that appl	ly)				Secon	ndary Indicators (2 or more required)
Primary India	drology Indicators		ired; che	eck all that appl		es (B9) (e	xcept MLF	RA		ndary Indicators (2 or more required) ater-Stained Leaves (B9) (MLRA 1, 2,
Wetland Hyder Primary Indice Surface V	drology Indicators cators (minimum of		ired; che	☐ Water-Stai			xcept MLF	RA		· · · · · · · · · · · · · · · · · · ·
Wetland Hyd Primary Indid □ Surface \ □ High Wa □ Saturatio	drology Indicators cators (minimum of Water (A1) ter Table (A2) on (A3)		ired; che	☐ Water-Stai	ined Leav A, and 4E		xcept MLF	RA	□ W	ater-Stained Leaves (B9) (MLRA 1, 2,
Wetland Hyd Primary Indid □ Surface \ □ High Wa □ Saturatio	drology Indicators cators (minimum of Water (A1) ter Table (A2)		ired; che	☐ Water-Stai	ined Leav A, and 4E (B11)	3)	xcept MLF	RA	□ W	ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
Wetland Hyd Primary India Surface V High Wa Saturatio Water M:	drology Indicators cators (minimum of Water (A1) ter Table (A2) on (A3)		ired; che	☐ Water-Stai	ined Leav A, and 4E (B11) vertebrate	s (B13)	xcept MLF	RA	□ W	ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10)
Wetland Hyd Primary India Surface V High Wa Saturatio Water M Sedimen	drology Indicators cators (minimum of Water (A1) ter Table (A2) on (A3) arks (B1)		ired; che	☐ Water-Stain 1, 2, 4/ ☐ Salt Crust ☐ Aquatic Inv	ined Leav A, and 4E (B11) vertebrate Sulfide O	es (B13) dor (C1)				ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) ainage Patterns (B10) y-Season Water Table (C2)
Wetland Hyderimary Indice of Surface of High Wa Saturation Water Missed Sediment Drift Dep	drology Indicators cators (minimum of Water (A1) ter Table (A2) on (A3) arks (B1) at Deposits (B2) osits (B3) at or Crust (B4)		ired; che	Water-Stai 1, 2, 4,4 Salt Crust Aquatic Inv	ned Leav A, and 4E (B11) vertebrate Sulfide O Rhizosphe	es (B13) dor (C1) res along	Living Roo		 □ W □ Dr □ Dr □ Sa ▼ Ge 	ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) raturation Visible on Aerial Imagery (C9)
Wetland Hyderimary India Surface High Wa Saturatio Water Marcon Drift Dep Algal Marcon Iron Dep	drology Indicators cators (minimum of Water (A1) ter Table (A2) on (A3) arks (B1) at Deposits (B2) oosits (B3) at or Crust (B4) oosits (B5)		ired; che	Water-Stai 1, 2, 4/ Salt Crust Aquatic Inv Hydrogen Oxidized R Presence o	ined Leaven A, and 4E (B11) wertebrate Sulfide ORhizosphe of Reducen Reduction	es (B13) dor (C1) res along ed Iron (C4 on in Tille	Living Roo 4) d Soils (C6	ts (C3)	 □ W □ Dr □ Sa ▼ Ga □ Sr ▼ FA 	ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) raturation Visible on Aerial Imagery (C9) recomorphic Position (D2) rallow Aquitard (D3) rac-Neutral Test (D5)
Wetland Hyderimary India Surface High Wa Saturation Water Min Sedimen Drift Dep Algal Ma Iron Dep Surface	drology Indicators cators (minimum of Water (A1) ter Table (A2) on (A3) arks (B1) at Deposits (B2) osits (B3) at or Crust (B4) osits (B5) Soil Cracks (B6)	one requ		User-Stain 1, 2, 4/4 1, 2, 4/4 Salt Crust Aquatic Invalid Hydrogen Oxidized For Presence of Recent Iround Stunted or	ined Leave A, and 4E (B11) vertebrate Sulfide O Rhizosphe of Reduce n Reducti Stressed	es (B13) dor (C1) res along ed Iron (C ² on in Tille Plants (D	Living Roo 4) d Soils (C6	ts (C3)	 □ W □ Dr □ Dr □ Sa ☒ Ga □ Sr ☒ FA □ Ra 	ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) raturation Visible on Aerial Imagery (C9) recomorphic Position (D2) rallow Aquitard (D3) rac-Neutral Test (D5) raised Ant Mounds (D6) (LRR A)
Wetland Hyderimary India Surface High Wa Saturation Water M. Sediment Drift Dep Algal Ma Iron Dep Surface Inundation	cators (minimum of Water (A1) ter Table (A2) on (A3) arks (B1) tt Deposits (B2) osits (B3) tt or Crust (B4) osits (B5) Soil Cracks (B6) on Visible on Aerial	one requ	(B7)	Water-Stai 1, 2, 4/ Salt Crust Aquatic Inv Hydrogen Oxidized R Presence o	ined Leave A, and 4E (B11) vertebrate Sulfide O Rhizosphe of Reduce n Reducti Stressed	es (B13) dor (C1) res along ed Iron (C ² on in Tille Plants (D	Living Roo 4) d Soils (C6	ts (C3)	 □ W □ Dr □ Dr □ Sa ☒ Ga □ Sr ☒ FA □ Ra 	ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) raturation Visible on Aerial Imagery (C9) recomorphic Position (D2) rallow Aquitard (D3) rac-Neutral Test (D5)
Wetland Hyderimary Indice of Surface of High Water Mark of Sedimen Drift Dep Algal Mark of Iron Dep Surface of Inundation Sparsely	drology Indicators cators (minimum of Water (A1) ter Table (A2) on (A3) arks (B1) at Deposits (B2) oosits (B3) at or Crust (B4) oosits (B5) Soil Cracks (B6) on Visible on Aerial	one requ	(B7)	User-Stain 1, 2, 4/4 1, 2, 4/4 Salt Crust Aquatic Invalid Hydrogen Oxidized For Presence of Recent Iround Stunted or	ined Leave A, and 4E (B11) vertebrate Sulfide O Rhizosphe of Reduce n Reducti Stressed	es (B13) dor (C1) res along ed Iron (C ² on in Tille Plants (D	Living Roo 4) d Soils (C6	ts (C3)	 □ W □ Dr □ Dr □ Sa ☒ Ga □ Sr ☒ FA □ Ra 	ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) raturation Visible on Aerial Imagery (C9) recomorphic Position (D2) rallow Aquitard (D3) rac-Neutral Test (D5) raised Ant Mounds (D6) (LRR A)
Wetland Hyderimary India Surface High Wa Saturatio Water Mater	drology Indicators cators (minimum of Water (A1) ter Table (A2) on (A3) arks (B1) at Deposits (B2) oosits (B3) at or Crust (B4) oosits (B5) Soil Cracks (B6) on Visible on Aerial of Vegetated Concavivations:	Imagery	(B7) e (B8)	Water-Stai 1, 2, 4, Salt Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iro Stunted or Other (Exp	ined Leav A, and 4E (B11) vertebrate Sulfide O Rhizosphe of Reduce n Reducti Stressed	es (B13) dor (C1) res along ed Iron (C ² on in Tille Plants (D emarks)	Living Roo 4) d Soils (C6	ts (C3)	 □ W □ Dr □ Dr □ Sa ☒ Ga □ Sr ☒ FA □ Ra 	ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) raturation Visible on Aerial Imagery (C9) recomorphic Position (D2) rallow Aquitard (D3) rac-Neutral Test (D5) raised Ant Mounds (D6) (LRR A)
Wetland Hyderimary India Surface Value High Wa Saturation Water Mark Sedimen Drift Dep Algal Ma Iron Dep Surface Surface Surface Surface Water Primary Indiana Sparsely Field Obsert Surface Water Surface S	drology Indicators cators (minimum of Water (A1) Iter Table (A2) Iter Table (A2) Iter Table (B1) Iter Table (B2) Iter Table (B3) Iter Crust (B4) Iter Crust (B4) Iter Crust (B6) Iter Crust (B6) Iter Visible on Aerial Iter Vegetated Concavitations: Iter Present?	Imagery	(B7) e (B8) No 🗷	Water-Stai 1, 2, 4, Salt Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iro Stunted or Other (Exp	Med Leaver (B11) Vertebrate Sulfide O Rhizosphe of Reduce on Reducti Stressed Dain in Re	es (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (Demarks)	Living Roo 4) d Soils (C6	ts (C3)	 □ W □ Dr □ Dr □ Sa ☒ Ga □ Sr ☒ FA □ Ra 	ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) raturation Visible on Aerial Imagery (C9) recomorphic Position (D2) rallow Aquitard (D3) rac-Neutral Test (D5) raised Ant Mounds (D6) (LRR A)
Wetland Hyderimary India Surface High Wa Saturatio Water Mater	drology Indicators cators (minimum of Water (A1) ter Table (A2) on (A3) arks (B1) ot Deposits (B2) osits (B3) ot or Crust (B4) osits (B5) Soil Cracks (B6) on Visible on Aerial or Vegetated Concav vations: er Present?	Imagery ve Surface Yes Yes Yes	(B7) e (B8) No 🗵	Water-Stai 1, 2, 4, Salt Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iro Stunted or Other (Exp	A, and 4E (B11) Vertebrate Sulfide O Rhizosphe of Reduce n Reducti Stressed blain in Re	es (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D emarks)	Living Roo 4) d Soils (C6 1) (LRR A)	ts (C3)	☐ W ☐ Dr ☐ Sa ☒ Ge ☐ St ☒ FA ☐ Ra	ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) recomorphic Position (D2) reallow Aquitard (D3) railow Aquitard (D3) railow Aquitard (D5) railow Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7)
Wetland Hyderimary India Surface High Wa Saturation Water M. Sediment Drift Dep Algal Ma Iron Dep Surface Inundation Sparsely Field Obser Surface Water Table Saturation Primary Saturation Satu	drology Indicators cators (minimum of Water (A1) ter Table (A2) on (A3) arks (B1) ot Deposits (B2) osits (B3) ot or Crust (B4) osits (B5) Soil Cracks (B6) on Visible on Aerial or Vegetated Concav vations: er Present? Present?	Imagery	(B7) e (B8) No 🗷	Water-Stai 1, 2, 4, Salt Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iro Stunted or Other (Exp	A, and 4E (B11) Vertebrate Sulfide O Rhizosphe of Reduce n Reducti Stressed blain in Re	es (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D emarks)	Living Roo 4) d Soils (C6 1) (LRR A)	ts (C3)	☐ W ☐ Dr ☐ Sa ☒ Ge ☐ St ☒ FA ☐ Ra	ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) raturation Visible on Aerial Imagery (C9) recomorphic Position (D2) rallow Aquitard (D3) rac-Neutral Test (D5) raised Ant Mounds (D6) (LRR A)
Wetland Hyderimary India Surface High Wa Saturation Water Mark Sedimen Drift Dep Algal Ma Iron Dep Surface Inundation Sparsely Field Obser Surface Water Table Saturation P (includes cape Griff Cape C	drology Indicators cators (minimum of Water (A1) ter Table (A2) on (A3) arks (B1) ot Deposits (B2) osits (B3) ot or Crust (B4) osits (B5) Soil Cracks (B6) on Visible on Aerial vegetated Concav vations: er Present? Present? resent?	Imagery ve Surface Yes Yes Yes Yes Yes Yes	(B7) e (B8) No 🔀 No 🔀 No 🗷	Water-Stai 1, 2, 4/ Salt Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iro Stunted or Other (Exp	A, and 4E (B11) Vertebrate Sulfide O Rhizosphe of Reduce n Reducti Stressed blain in Re (B): None (B): None	es (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (Demarks)	Living Roo 4) d Soils (C6 1) (LRR A)	ts (C3)	□ W □ Dr □ Dr □ Sa ☑ Ge □ St ☑ FF	ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) recomorphic Position (D2) reallow Aquitard (D3) railow Aquitard (D3) railow Aquitard (D5) railow Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7)
Wetland Hyderimary India Surface High Wa Saturation Sediment Drift Dep Algal Ma Iron Dep Surface Inundation Sparsely Field Obser Surface Water Table Saturation P (includes car Describe Re	drology Indicators cators (minimum of Water (A1) ter Table (A2) on (A3) arks (B1) ot Deposits (B2) osits (B3) ot or Crust (B4) osits (B5) Soil Cracks (B6) on Visible on Aerial or Vegetated Concav vations: er Present? Present?	Imagery ve Surface Yes Yes Yes Yes Yes Yes	(B7) e (B8) No 🔀 No 🔀 No 🗷	Water-Stai 1, 2, 4/ Salt Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iro Stunted or Other (Exp	A, and 4E (B11) Vertebrate Sulfide O Rhizosphe of Reduce n Reducti Stressed blain in Re (B): None (B): None	es (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (Demarks)	Living Roo 4) d Soils (C6 1) (LRR A)	ts (C3)	□ W □ Dr □ Dr □ Sa ☑ Ge □ St ☑ FF	ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) recomorphic Position (D2) reallow Aquitard (D3) railow Aquitard (D3) railow Aquitard (D5) railow Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7)
Wetland Hyderimary India Surface High Wa Saturation Water Mills Sediment Algal Mater High Water High Water Surface Inundation Sparsely Field Obser Surface Water Table Saturation Poincludes cap Describe Reservant None Poincludes None Primary Pri	drology Indicators cators (minimum of Water (A1) ter Table (A2) on (A3) arks (B1) ot Deposits (B2) osits (B3) ot or Crust (B4) osits (B5) Soil Cracks (B6) on Visible on Aerial vegetated Concav vations: er Present? Present? resent?	Imagery ve Surface Yes Yes Yes Yes Yes Yes	(B7) e (B8) No 🔀 No 🔀 No 🗷	Water-Stai 1, 2, 4/ Salt Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iro Stunted or Other (Exp	A, and 4E (B11) Vertebrate Sulfide O Rhizosphe of Reduce n Reducti Stressed blain in Re (B): None (B): None	es (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (Demarks)	Living Roo 4) d Soils (C6 1) (LRR A)	ts (C3)	□ W □ Dr □ Dr □ Sa ☑ Ge □ St ☑ FF	ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) recomorphic Position (D2) reallow Aquitard (D3) railow Aquitard (D3) railow Aquitard (D5) railow Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7)
Wetland Hyderimary India Primary India Surface Value High Wa Saturatio Water Manager M	drology Indicators cators (minimum of Water (A1) ter Table (A2) on (A3) arks (B1) at Deposits (B2) osits (B3) at or Crust (B4) osits (B5) Soil Cracks (B6) on Visible on Aerial of Vegetated Concav vations: er Present? Present? resent? pillary fringe) corded Data (strean	Imagery /e Surface Yes Yes Yes Yes m gauge,	(B7) e (B8) No 🗵 No 🗵 monitor	Water-Stai 1, 2, 4/ Salt Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iro Stunted or Other (Exp Depth (inchest Depth (inchest ing well, aerial	ined Leave A, and 4E (B11) Vertebrate Sulfide O Rhizosphe of Reduce n Reducti Stressed Dain in Re S): None None photos, p	es (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (Demarks) e	Living Roo 4) d Soils (C6 1) (LRR A) Wetl	ts (C3) and Hyo if availa	Dr Dr Sa	ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) ainage Patterns (B10) y-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) ecomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A) ost-Heave Hummocks (D7)
Wetland Hyderimary India Primary India Surface Value High Wa Saturation Water Management Sediment Algal Management Iron Dep Surface Saturation Sparsely Field Obsert Surface Water Table Saturation Pounce (includes caped Describe Reservance) Remarks: Wetland hyderimary India Wetland Hyderimary Ind	drology Indicators cators (minimum of Water (A1) ter Table (A2) on (A3) arks (B1) at Deposits (B2) osits (B3) at or Crust (B4) osits (B5) Soil Cracks (B6) on Visible on Aerial of Vegetated Concav vations: er Present? Present? resent? pillary fringe) corded Data (strean	Imagery ye Surface Yes Yes Yes Yes m gauge,	(B7) e (B8) No 🗵 No 🗵 monitor	Water-Stai 1, 2, 4/ Salt Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iro Stunted or Other (Exp Depth (inchest Depth (inchest ing well, aerial	ined Leave A, and 4E (B11) Vertebrate Sulfide O Rhizosphe of Reduce n Reducti Stressed Dain in Re S): None None photos, p	es (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (Demarks) e	Living Roo 4) d Soils (C6 1) (LRR A) Wetl	ts (C3) and Hyo if availa	Dr Dr Sa	ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) recomorphic Position (D2) reallow Aquitard (D3) railow Aquitard (D3) railow Aquitard (D5) railow Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7)