

698 PACIFIC WAY P.O. BOX 2510 GEARHART, OREGON 97138 (503) 738-5501 · (503) FAX 738-9385

### APPLICATION BEFORE THE CITY OF GEARHART PLANNING COMMISSION

	ANNING COMMISSION THURSDAY, 6:00 PM	DATE RECEIVED 060517
	APPLICANT: RAY ROMINE MAILING ADDRESS: 2170 SKyliNe EMAIL ADDRESS: RomiNe4 @ CL	PHONE: (503) 440-956/ DR. Seaside OR 9713R  JARTER, Net CELL PHONE: SAME
2.	PROPERTY OWNER: Romme ( MAILING ADDRESS: Z170 Sky/inch	CONSTRUCTION LLC PHONE: 440-9561  P. DR SEASIDE OR 97138  CELL PHONE:
3.	MAITING ADDRESS. WO TO A Start	<u>C: /BAlo BARRUT</u> PHONE: <u>503 738 -34</u> 25 101 N Stak, Com CELL PHONE: (503) 717 - 2421
4.	LEGAL COUNSEL: NONE	PHONE:
	MAILING ADDRESS:	CELL PHONE:
	EMAIL ADDRESS:	CELL FRONE.
5.	PROPERTY LOCATION: TAK Lot 33	CO MAP 6-10-3BD, ON Novith side LILA ROAD 490 EAST OF HWY 101
6	Hi し LEGAL DESCRIPTION OF PROPERTY:	LILA ROAD 490 EAST OF HWY 101
0.	(A) ASSESSORS PLAT AND TAX LOT: 72. 3	300 MAP 6-10-3BD
	(A) ASSESSORS PLAT AND TAX LOT: 72 3 (B) ADDITION, BLOCK, AND LOT: PORTION	OF TRACT A AND B HERITAGE DINES
DU TH UN GI	HE APPLICANT, IN ADDITION TO THE FILING F NPAID PENALTIES, FINES OR INCUMBRANÇERS	TION OF AN APPLICATION SHALL BE BORNE BY EES ESTABLISHED BY RESOLUTION.
7.	SIGNATURE (APPLICANT) CONTINUE PRINT	DATE: <u>6-5-17</u>
8.	SIGNATURE (OWNER)PRINT	DATE:
	OTICE: ALL ITEMS MUST BE COMPLETED IN ORDER FO EADY FOR PROCESSING.	OR THE APPLICATION TO BE DEEMED COMPLETE AND
TO	D BE COMPLETED BY STAFF	77.00 1.1/07.77
DC FC	DES APPLICANT OWN ANY MONEY TO THE CITY? DR ACCOUNT #	IF SO, AMOUNT (INITIAL)
	CTOBER 2016	APP COVER (2) 2016



# CITY OF GEARHART

698 PACIFIC WAY • P.O. BOX 2510 • GEARHART, OREGON 97138 (503) 738-5501 • (503) FAX 738-9385

	APPLICATION FOR:	☐ 1. SUBDIVISION
		X 2. LAND PARTITION
		☐ 3. EXPEDITED REVIEW - PER ORS 197.360
APPLICANT <sub>.</sub>	Ray Romine	APPLICATION FEE PD 530 Per lot
CURRENT ZO	ONE R-1 Low Density Res	idential
Tract B, Herita	age Dunes Subdivision. Atta	EST: This request is for a 2 Parcel Partition of Tract A and portion of iched to this request is a 18"x24" Preliminary Plat that shows Parcel 1 contain 20946 sf. Access will be gained from Hillila Road using a nd utility easement.
SUBMIT ALI	L DOCUMENTS AS REQU	JIRED BY THE SUBMISSION CHECK OFF SHEET.

NOTICE: ALL ITEMS MUST BE COMPLETED IN ORDER FOR THE APPLICATION TO BE DEEMED COMPLETE AND READY FOR PROCESSING

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#### Department of State Lands

775 Summer Street NE, Suite 100 Salem, OR 97301-1279 (503) 986-5200 FAX (503) 378-4844 www.oregon.gov/dsl

August 3, 2016

State Land Board

Ray Romine Construction LLC Attn: Ray Romine 2170 Skyline Dr. Seaside, OR 97138 Kate Brown Governor

Re: WD #2016-0255 Wetland Delineation Report for the Romine

Jeanne P. Atkins Secretary of State

Delineation, Clatsop County; T 6N R 10W S 3 TL 3300 City of Gearhart Local Wetland Inventory W-7

Ted Wheeler State Treasurer

Dear Mr. Romine:

The Department of State Lands has reviewed the wetland delineation report prepared by Ecological Land Services, Inc. for the site referenced above. Please note that the study area includes only a portion of the tax lot described above (see the attached map). Based upon the information presented in the report, we concur with the wetland and waterway boundaries as mapped in revised Figure 5 of the report. Please replace all copies of the preliminary wetland map with this final Department-approved map.

Within the study area, one wetland, totaling approximately 0.16 acres was identified. The wetland is subject to the permit requirements of the state Removal-Fill Law. Under current regulations, a state permit is required for cumulative fill or annual excavation of 50 cubic yards or more in the wetland or below the ordinary high water line (OHWL) of a waterway (or the 2 year recurrence interval flood elevation if OHWL cannot be determined).

This concurrence is for purposes of the state Removal-Fill Law only. Federal or local permit requirements may apply as well. The Army Corps of Engineers will review the report and make a determination of jurisdiction for purposes of the Clean Water Act at the time that a permit application is submitted. We recommend that you attach a copy of this concurrence letter to both copies of any subsequent joint permit application to speed application review.

Please be advised that state law establishes a preference for avoidance of wetland impacts. Because measures to avoid and minimize wetland impacts may include reconfiguring parcel layout and size or development design, we recommend that you work with Department staff on appropriate site design before completing the city or county land use approval process.

This concurrence is based on information provided to the agency. The jurisdictional determination is valid for five years from the date of this letter unless new information necessitates a revision. Circumstances under which the Department may change a determination are found in OAR 141-090-0045 (available on our web site or upon request). In addition, laws enacted by the legislature and/or rules adopted by the Department may result in a change in jurisdiction; individuals and applicants are subject to the regulations that are in effect at the time of the removal-fill activity or complete permit application. The applicant, landowner, or agent may submit a request for reconsideration of this determination in writing within six months of the date of this letter.

Thank you for having the site evaluated. Please phone me at 503-986-5246 if you have any questions.

Sincerely,

Chris Stevenson Jurisdiction Coordinator Approved by,

Aquatic Resource Specialist

**Enclosures** 

ec: Steffanie Taylor, Ecological Land Services, Inc.

City of Gearhart Planning Department (Maps enclosed for updating LWI)

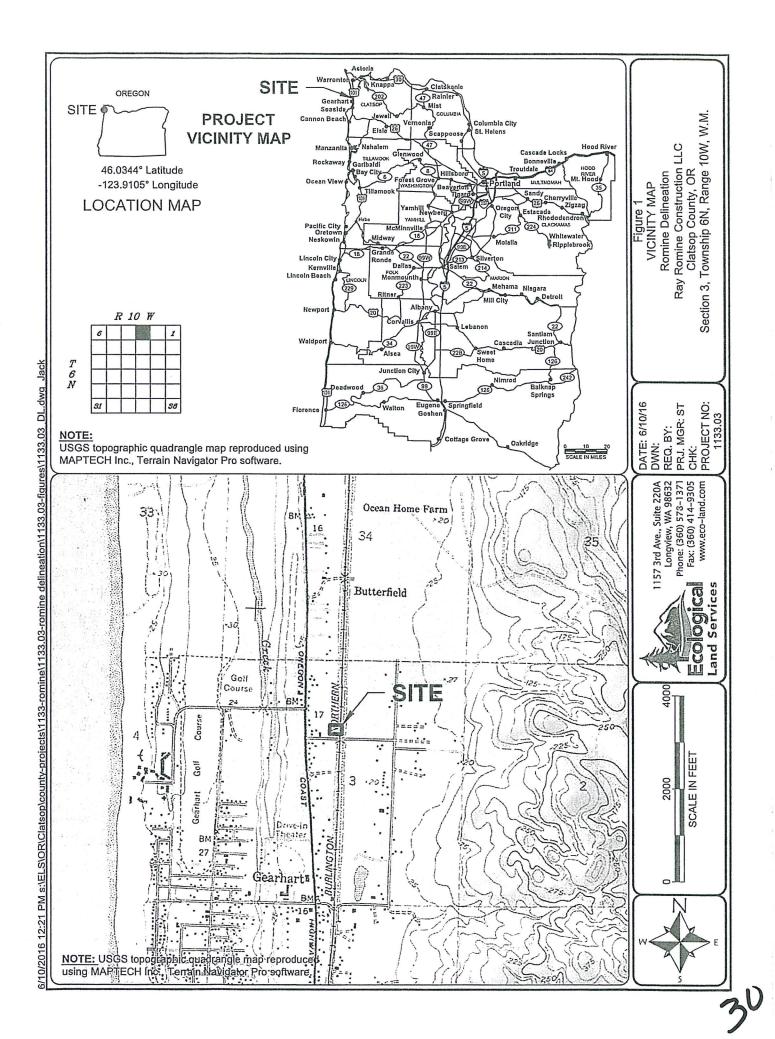
Danielle Erb, Corps of Engineers

Richard Fitzgerald, DSL

#### WETLAND DELINEATION / DETERMINATION REPORT COVER FORM

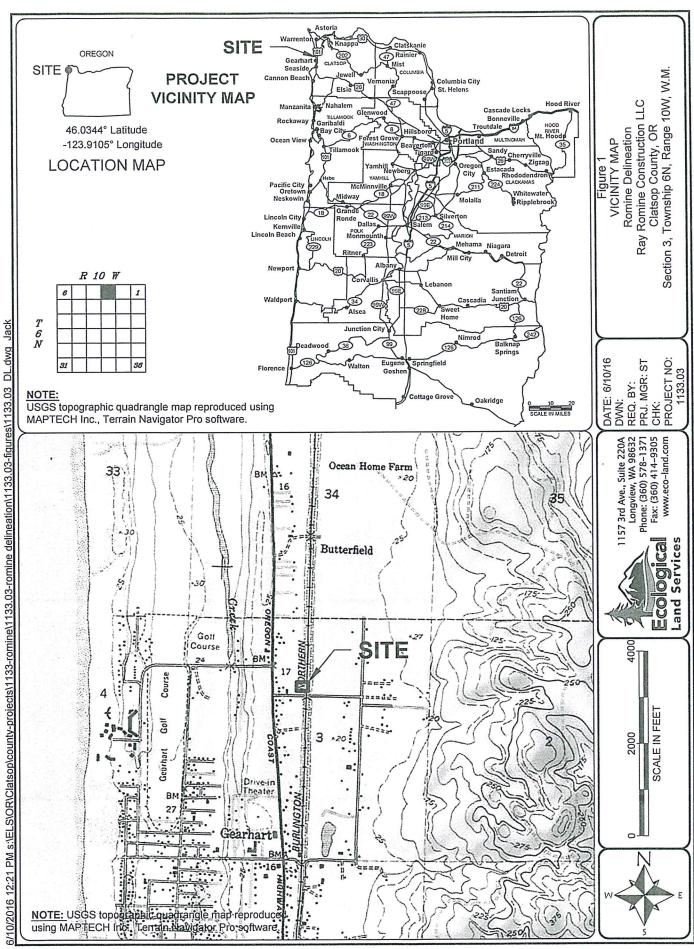
This form must be included with any wetland delineation report submitted to the Department of State Lands for review and approval. A wetland delineation report submittal is not "complete" unless the fully completed and signed report cover form and the required fee are submitted. Attach this form to the front of an unbound report or include a hard copy of the completed form with a CD/DVD that includes a single PDF file of the report cover form and report (minimum 300 dpi resolution) and submit to: Oregon Department of State Lands, 775 Summer Street NE, Suite 100, Salem, OR 97301-1279. A single PDF attachment of the completed cover from and report may be e-mailed to Wetland\_Delineation@dsl.state.or.us. For submittal of PDF files larger than 10 MB, e-mail instructions on how to access the file from your ftp or other file sharing website. Fees can be paid by check or credit card. Make the check payable to the Oregon Department of State Lands. To pay the fee by credit card, call 503-986-5200.

Applicant Owner Name, Firm and Address:	Business phone # (503) 440-9561										
Applicant Owner Name, Firm and Address:  Ray Romine  Ray Romine Construction LLC  Business phone # (503) 440-9561  Mobile phone # (optional)  E-mail: Romine4@charter.net											
2170 Skyline Drive, Seaside OR 97138	E-mail: Romine4@charter.net										
in in in											
CCENTED SUIT OF STA	Mobile phone #										
RECEIVED STATE AND DEPARTMENT OF STATE OF THE DEPARTMENT	E-mail:										
√ V F											
I either own the property described below or I have legal authority to allow access to the property, authorize the Department to access the											
property for the purpose of confirming the information in the report.  Typed/Printed Name: Kry Kowine											
Date: Special instructions regarding site acc	Signature:										
	for lat/long.,enter centroid of site or start & end points of linear project)										
Project Name: Romine Delineation	Latitude: 46.0344 Longitude: -123.9105										
Proposed Use: Sale of lots on the property	Tax Map # 6-10-3BD										
Drainet Street Address (or other descriptive leastion)	Trustis CN Deve 400M Costis 0										
Project Street Address (or other descriptive location): Northwest of intersection Hillila Lane and Tressel	Township 6N Range 10W Section 3 QQ Tax Lot(s) 03300										
Drive	Waterway: River Mile:										
City: Gearhart County: Clatsop	NWI Quad(s):										
	eation Information										
Wetland Consultant Name, Firm and Address:	Phone # 360-578-1371										
Steffanie Taylor	Mobile phone #										
Ecological Land Services, Inc.	E-mail: Steff@eco-land.com										
1157 3 <sup>rd</sup> Ave, Suite 220A, Longview WA 98632											
The information and conclusions on this form and in the attached r											
Consultant Signature: 2	Date: 6/9/16										
Primary Contact for report review and site access is 🛛 C	onsultant										
Wetland/Waters Present? X Yes No Study Area											
Check Box Below if Applicable:	Fees:										
R-F permit application submitted	Fee payment submitted \$ 412										
☐ Mitigation bank site	Fee (\$100) for resubmittal of rejected report										
□ Wetland restoration/enhancement project (not mitigation)											
☐ Industrial Land Certification Program Site	report										
Reissuance of a recently expired delineation											
Previous DSL # Expiration date											
Other Information:	Y N										
Has previous delineation/application been made on parcel?											
Does LWI, if any, show wetland or waters on parcel?											
	ice Use Only										
DSL Reviewer: Fee Paid Date:	1 13 116 DSL WD# 2010-0255										
Date Delineation Received: 19119 DSL Pro	oject # DSL Site #										
Scanned: ☐ Final Scan: ☐ DSL WI	N# DSL App. #										



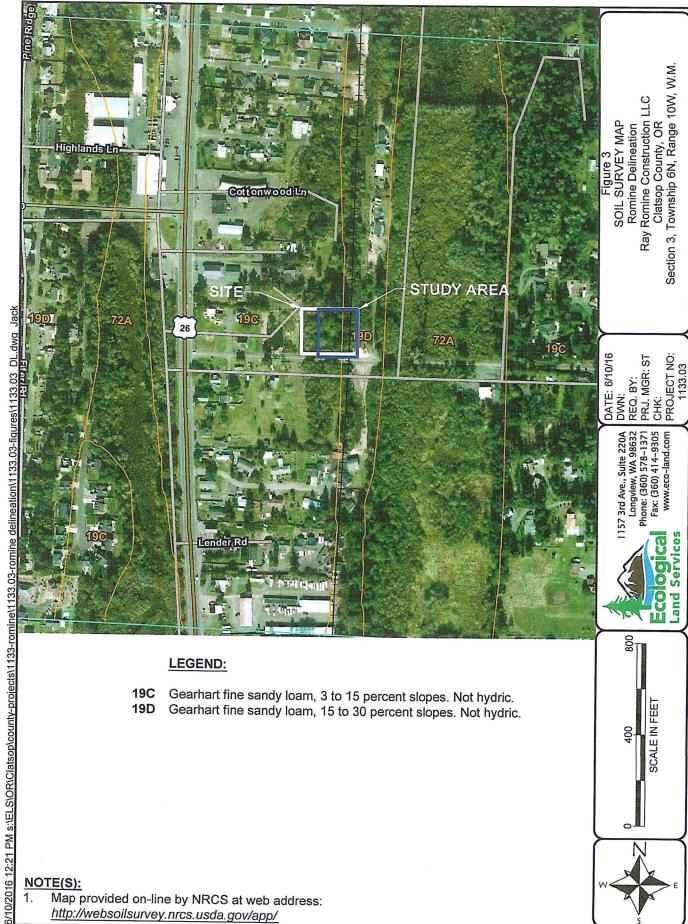
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## Appendix A



 $6/10/2016\ 12:21\ PM\ s: \ LELS \ INCOME \ Class op \ County-projects \ 1133-romine \ 1133.03-romine\ delineation \ 1133.03-figures \ 1133.03\_DL.\ dwg\ Jack\ Signature \ Si$ 10/3 00901 00003 00000 SITE 03800 6 10 8A OHO COUNTY C00012 08803 6 (10) 3BI LEGEND: Property Boundary (1.09 Acres) NOTE(S): Study Area Boundary (0.82 Acres) Site located on Parcel Boundary Oregon Tax Lot Map 6 10 3BD Taxlot Map Boundary Figure 2 TAX LOT MAP DATE: 6/10/16 1157 3rd Ave., Suite 220A Longview, WA 98632 Phone: (360) 578–1371 Fax: (360) 414–9305 www.eco-land.com DWN: REQ. BY: Romine Delineation PRJ. MGR: ST CHK: Ray Romine Construction LLC SCALE IN FEET Ecological Land Services Clatsop County, OR PROJECT NO: 1133.03 Section 3, Township 6N, Range 10W, W.M.

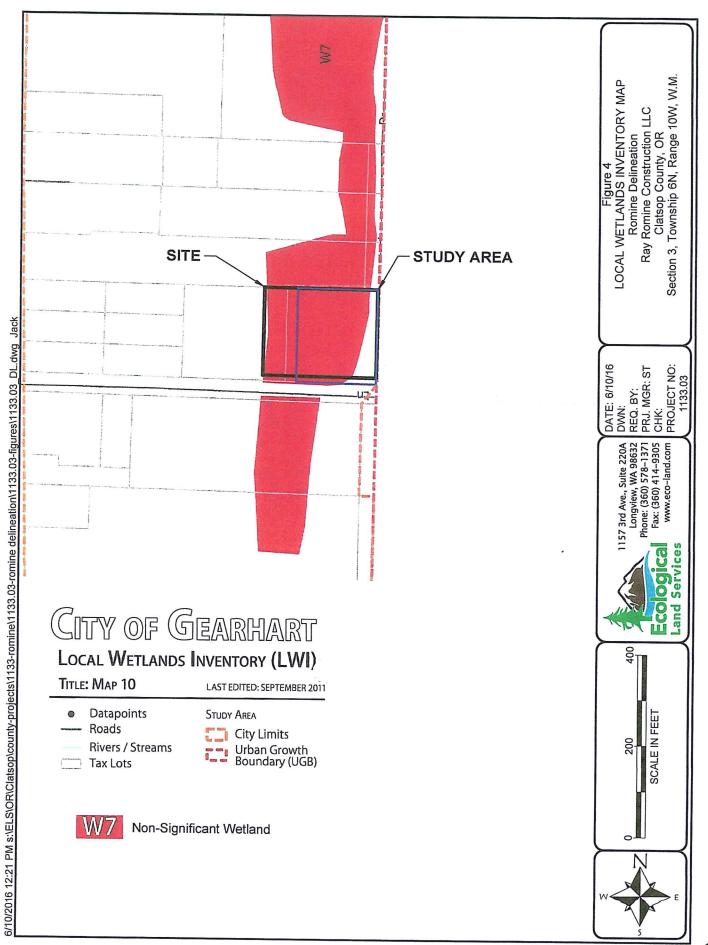
35

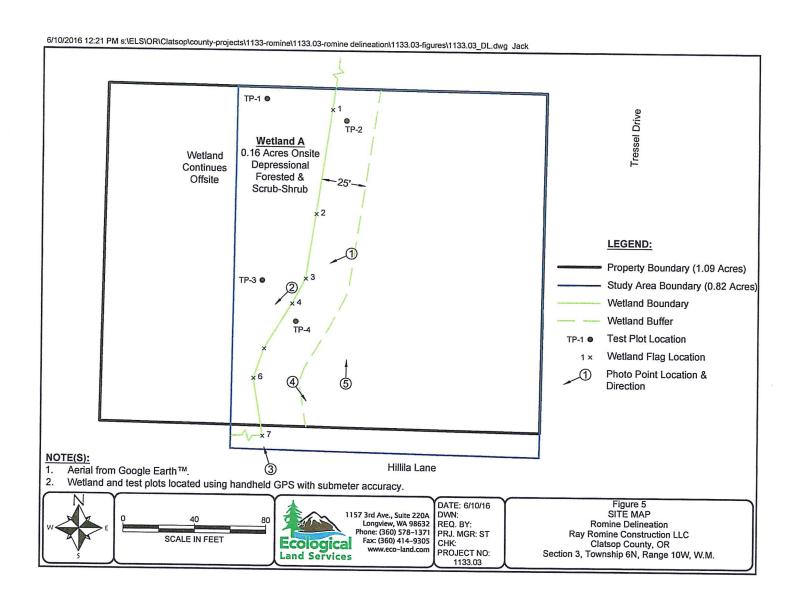


### NOTE(S):

Map provided on-line by NRCS at web address: http://websoilsurvey.nrcs.usda.gov/app/







6/10/2016 12:21 PM s:\ELS\OR\Clatsop\county-projects\1133-romine\1133.03-romine delineation\1133.03-figures\1133.03\_DL.dwg Jack etland ntinues LEGEND: Property Boundary (1.09 Acres) Study Area Boundary (0.82 Acres) Wetland Boundary Wetland Buffer Test Plot Location Wetland Flag Location Photo Point Location & Direction NOTE(S):

1. Aerial from Google Earth™.

2. Wetland and test plots located using handheld GPS with submeter accuracy. Hillila Lane Figure 6 AERIAL SITE MAP DATE: 6/10/16 DWN: 1157 3rd Ave., Suite 220A Longview, WA 98632 Phone: (360) 578–1371 Fax: (360) 414–9305 REQ. BY: Romine Delineation Ray Romine Construction LLC Clatsop County, OR Section 3, Township 6N, Range 10W, W.M. PRJ. MGR: ST SCALE IN FEET CHK: PROJECT NO: 1133.03 Ecological Land Services

### Appendix B

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

Project/Site: Romine Delineation		City/Cou	unty: Gearhar	rt, Clatsop	Sampling Date:		
Applicant/Owner: Ray Romine Construction, LLC		State: OR Sampling Point: TP-1 Section, Township, Range: S-6, T-10N, R-0W					
Investigator(s): S. Taylor				Range: S-6,	T-10N, R-0VV	Clana (0/ ): 2	150/
Landform (hillslope, terrace, etc.): footslope dune		_ocal relief: co		0405	Datum:	Slope (%):3-	15%
Subregion (LRR):4A	Lat: 46.0344	4	Long:-123.9	WI classification		NADOS	
Soil Map Unit Name: 19C, Gearhart fine sandy loam Are climatic / hydrologic conditions on the site typical for	or this time of	vear2 Ves					
Are Vegetation, Soil, or Hydrology significantly	year: resizi	ar? Yes⊠ No∐ (If no, explain Remarks.)  Area "Normal Circumstances" present? Yes⊠ No□					
Are Vegetation, Soil, or Hydrology naturally pr		(If needed, explain any answers in Remarks.)					
SUMMARY OF FINDINGS – Attach site map	showing sa					atures, etc.	
Hydrophytic Vegetation Present? Yes ⊠ No [							
Hydric Soils Present? Yes \( \) No \( \)			mpled Area		- N- O		
Wetland Hydrology Present? Yes ⊠ No [		within a \	Netland?	Yes	s⊠ No□		
Remarks: Test plot located within Wetland A in the no	rthwest corne	r of the study	area.				
VECETATION (Use a significance)							
VEGETATION (Use scientific names)							
	Absolute	Dominant	Indicator	Dominance	Test Worksheet		
Tree Stratum (Plot size:30 ft radius)	% Cover	Species?	Status FAC	Number of D	ominant Species	6	(A)
1. Alnus rubra	40% 30%	yes	FAC		L, FACW, or FAC:		. (^)
2. Picea sitchensis 3.	<del></del>	yes	FAC	1	_,		
4.	<del>/</del> 0				r of Dominant	6	(B)
Total Cover:	70%			Species Acro	oss All Strata:		
in the desired the second of the second of				Boroont of D	ominant Species	100	(A/B)
Sapling/Shrub Stratum (Plot size: 15 ft. radius)					L, FACW, or FAC		
1. Rubus spectabilis	50%	yes	FAC		Index worksheet		
2. Malus fusca	30%	yes	FACW	Total 9	% Cover of:	Multiply by:	
3.	%			OBL species		x 1=	_
4.	%			FACW speci		x 2=	
5	%			FAC species		_ x 3=	
Total Cover:	80%			FACU specie		_ x 4= _ x 5=	
Herb Stratum (Plot size: 5 ft radius)	60%	1/00	OBL	UPL species Column Tota		- (A)	— (B)
Carex obnupta     Maianthemum dilatatum	40%	yes	FAC	_	Prevalence Index =		(5)
3.	<del></del>				Vegetation Indica		
4.					pid Test for Hydrop		
	%	9			minance Test is >5		
5.	%				valence Index is ≤3		
6.	%			4 - Morphological Adaptations <sup>1</sup> (Provide			
				_ suppor	rting data In Remar	ks or on a separa	ite sneet)
7. 8.	<del>%</del>			☐ Wetlar	nd Non-Vascular Pla	ants <sup>1</sup>	
7. 8. Total Cover: Woody Vine Stratum (Plot size: 15 ft radius)	100%				matic Hydrophytic		ain)
Woody Vine Stratum (Plot size: 15 ft radius)					, , , , , ,		,
1.	%				f hydric soil and we		
2.	<u></u>			Must be pres	sent, unless disturb	ed or problemation	D
Total Cover:	%						
				Hydrophytic	Vegetation Preser		
% Bare Ground in Herb Stratum 0%						Yes⊠	No
Remarks:							
*							
		-					



Profile Description: (Describe to the de	pin needed to do					
Depth Matrix		Redox Features				
(inches) Color (moist) %	Color (moist)	% Type <sup>1</sup>	Lo	c <sup>2</sup>	Texture	Remarks
0-14 10YR 2/1 100%		%			Loamy sand Loamy sand	See Remarks Below
14-17 10YR 2/1 30% 5YR 2.5/2 70%		% %			Loanny Sanu	See Remarks Below
			-			
		%				
%		%				
<u>%</u>		<u>%</u>				
<sup>1</sup> Type: C=Concentration, D=Depletion,	DM-Poduced Mate		Sand G	Grains	<sup>2</sup> Location: PL=Pore Lini	ng M=Matrix
Hydric Soil Indicators: (Applicable to a	II I RRs. unless o	therwise noted.)	Oana C	Jianio	Indicators for Problemat	tic Hydric Soils
☐ Histosal (A1)	☐ Sandy Red				2 cm Muck (A10)	
☐ Histic Epipedon (A2)	☐ Stripped Ma				Red Parent Material (TF	F2)
		I B.4:	DA 41		☐ Very Shallow Dark Surfa☐ Other (Explain in Rema	
Black Histic (A3)		ky Mineral (F1) (except Mi	LRA 1)	L	_ Other (Explain in Nema	inoj
Hydrogen Sulfide (A4)	☐ Loamy Gley					
☐ Depleted Below Dark Surface (A11)☐ Thick Dark Surface (A12)	☐ Depleted M ☐ Redox Darl					
Sandy Mucky Minerals (S1)	2000	ark Surface (F7)		3	Indicators of hydrophytic v	regetation and
Sandy Mucky Millerals (31)	☐ Redox Dep				Wetland hydrology mus	_
Restrictive Layer (if present):		100010110 (1.0)			Violana ny arongy	
reserve Eayer (ii preserve).						
Type: hard pan				Hyd	ric Soil Present?	Yes□ No⊠
Donth (inches):17						res_ No⊠
Depth (inches):17  Remarks: Mixed matrix between 14-17 ir	ches BGS Organi	c matter present in upper 1	0 inche	s BGS	3	
Kemarks. Wixed matrix between 14-17 ii	iches Boo. Organi	o maker present in apper .	0 1110110			
,						
HYDROLOGY						
HYDROLOGY Wetland Hydrology Indicators:					Secondary Indicate	
Wetland Hydrology Indicators:	check all that appl	v)			Secondary Indicate (2 or more required	
	check all that appl	у)				d)
Wetland Hydrology Indicators:		y) ned Leaves (B9) (except N	1LRA 1,	, 2, 4	(2 or more required  Water Stained (MLRA 1, 2, 4A)	d) Leaves (B9) A, and 4B)
Wetland Hydrology Indicators:  Primary Indicators (min. of one required;	☐ Water-Stai	ned Leaves (B9) (except N (B11)	1LRA 1,	, 2, 44	(2 or more required  Water Stained  , & 4B) (MLRA 1, 2, 4A  ☐ Drainage Patte	d) Leaves (B9) A, and 4B) rns (B10)
Wetland Hydrology Indicators:  Primary Indicators (min. of one required;  ☐ Surface Water (A1)	☐ Water-Stai ☐ Salt Crust (	ned Leaves (B9) (except N (B11) rertebrates (B13)	1LRA 1,	, 2, 4A	(2 or more required  Water Stained  MLRA 1, 2, 4A  Drainage Patte  Dry-Season Wa	Leaves (B9) A, and 4B) rns (B10) ater Table (C2)
Wetland Hydrology Indicators:  Primary Indicators (min. of one required;  Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	☐ Water-Stai ☐ Salt Crust ☐ Aquatic Inv	ned Leaves (B9) (except N (B11) vertebrates (B13) Sulfide Odor (C1)			(2 or more required  Water Stained  MLRA 1, 2, 4A  Drainage Patte  Dry-Season Water  Saturation Visit	Leaves (B9) A, and 4B) rns (B10) ater Table (C2) ble on Aerial Imagery (C9)
Wetland Hydrology Indicators:  Primary Indicators (min. of one required;  □ Surface Water (A1) □ High Water Table (A2) □ Saturation (A3) □ Water Marks (B1) □ Sediment Deposits (B2)	☐ Water-Stai ☐ Salt Crust ( ☐ Aquatic Inv	ned Leaves (B9) (except N (B11) rertebrates (B13) Sulfide Odor (C1) hizospheres along Living F			(2 or more required  Water Stained    MLRA 1, 2, 4A  Drainage Patte  Dry-Season Water  Saturation Visit  Geomorphic Po	Leaves (B9) A, and 4B) rns (B10) ater Table (C2) ole on Aerial Imagery (C9) osition (D2)
Wetland Hydrology Indicators:  Primary Indicators (min. of one required;  Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	☐ Water-Stai ☐ Salt Crust ( ☐ Aquatic Inv ☐ Hydrogen ( ☐ Oxidized R	ned Leaves (B9) (except N (B11) vertebrates (B13) Sulfide Odor (C1) chizospheres along Living F of Reduced Iron (C4)	Roots (C		(2 or more required  Water Stained  (MLRA 1, 2, 4A  □ Drainage Patte □ Dry-Season Water □ Saturation Visit 図 Geomorphic Pote □ Shallow Aquita	Leaves (B9) A, and 4B) rns (B10) ater Table (C2) ble on Aerial Imagery (C9) brition (D2) rd (D3)
Wetland Hydrology Indicators:  Primary Indicators (min. of one required;  Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or crust (B4)	☐ Water-Stai ☐ Salt Crust ( ☐ Aquatic Inv ☐ Hydrogen ( ☐ Oxidized R ☐ Presence ( ☐ Recent Iro	ned Leaves (B9) (except N (B11) vertebrates (B13) Sulfide Odor (C1) chizospheres along Living F of Reduced Iron (C4) n Reduction in Tilled Soils (	Roots (C		(2 or more required  Water Stained  (MLRA 1, 2, 4A)  □ Drainage Patte □ Dry-Season Water □ Saturation Visite □ Geomorphic Pore □ Shallow Aquita □ FAC-Neutral Te	Leaves (B9) A, and 4B) rns (B10) ater Table (C2) bole on Aerial Imagery (C9) bosition (D2) rd (D3) est (D5)
Wetland Hydrology Indicators:  Primary Indicators (min. of one required;  Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or crust (B4) Iron Deposits (B5)	☐ Water-Stai ☐ Salt Crust () ☐ Aquatic Inv ☐ Hydrogen () ☐ Oxidized R ☐ Presence () ☐ Recent Iro	ned Leaves (B9) (except N (B11) rertebrates (B13) Sulfide Odor (C1) rhizospheres along Living For Reduced Iron (C4) n Reduction in Tilled Soils ( Stressed Plants (D1) (LRR	Roots (C		(2 or more required  Water Stained  (MLRA 1, 2, 4A)  □ Drainage Patte □ Dry-Season Water □ Saturation Visite □ Geomorphic Pore □ Shallow Aquita □ FAC-Neutral Telegraphic Pore □ Raised Ant Mo	Leaves (B9) A, and 4B) rns (B10) ater Table (C2) belie on Aerial Imagery (C9) besition (D2) rd (D3) est (D5) unds (D6) (LRR A)
Wetland Hydrology Indicators:  Primary Indicators (min. of one required;  Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6)	☐ Water-Stai ☐ Salt Crust () ☐ Aquatic Inv ☐ Hydrogen () ☐ Oxidized R ☐ Presence () ☐ Recent Irol ☐ Stunted or ☐ Other (Expl	ned Leaves (B9) (except N (B11) vertebrates (B13) Sulfide Odor (C1) chizospheres along Living F of Reduced Iron (C4) n Reduction in Tilled Soils (	Roots (C		(2 or more required  Water Stained  (MLRA 1, 2, 4A)  □ Drainage Patte □ Dry-Season Water □ Saturation Visite □ Geomorphic Pore □ Shallow Aquita □ FAC-Neutral Te	Leaves (B9) A, and 4B) rns (B10) ater Table (C2) belie on Aerial Imagery (C9) besition (D2) rd (D3) est (D5) unds (D6) (LRR A)
Wetland Hydrology Indicators:  Primary Indicators (min. of one required;  Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or crust (B4) Iron Deposits (B5)	☐ Water-Stai ☐ Salt Crust () ☐ Aquatic Inv ☐ Hydrogen () ☐ Oxidized R ☐ Presence () ☐ Recent Irol ☐ Stunted or ☐ Other (Expl	ned Leaves (B9) (except N (B11) rertebrates (B13) Sulfide Odor (C1) rhizospheres along Living For Reduced Iron (C4) n Reduction in Tilled Soils ( Stressed Plants (D1) (LRR	Roots (C		(2 or more required  Water Stained  (MLRA 1, 2, 4A)  □ Drainage Patte □ Dry-Season Water □ Saturation Visite □ Geomorphic Pore □ Shallow Aquita □ FAC-Neutral Telegraphic Pore □ Raised Ant Mo	Leaves (B9) A, and 4B) rns (B10) ater Table (C2) bestion (D2) rd (D3) est (D5) unds (D6) (LRR A)
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### WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys and Coast Region

Project/Site: Romine Delineation		City/Cou	ınty: <u>Gearhar</u>	t, Clatsop Sampling Date: 4/23/2016			
Applicant/Owner: Ray Romine Construction, LLC			State: OR				
Investigator(s): S. Taylor Section, Township, Range: S-6, T-10N, R-0W							
Landform (hillslope, terrace, etc.): footslope dune	L	_ocal relief: co		Slope (%): <u>3-1</u>	5%		
Subregion (LRR):4A	Lat: 46.0344	4	Long:-123.9	0105Datum: NAD83			
Soil Map Unit Name: 19C. Gearhart fine sandy loam				VI classification: None			
Are climatic / hydrologic conditions on the site typical for	or this time of	vear? Yes⊠	No□ (If n	o, explain Remarks.)			
Are Vegetation ☐, Soil ☐, or Hydrology ☐ significantly disturbed? Area "Normal Circumstances" present? Yes ☒ No ☐							
Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally pr	oblematic?	(If need	ed, explain a	ny answers in Remarks.)			
SUMMARY OF FINDINGS – Attach site map	showing s						
		amping po	int location	no, transcoto, important reasons, esti-			
Hydrophytic Vegetation Present? Yes ⊠ No ☐		Is the Sar	npled Area				
Hydric Soils Present? Yes No		within a V		Yes□ No⊠			
Wetland Hydrology Present? Yes ☐ No ☑							
Remarks: Test plot located northwest in the study are	a, and northea	ast of Wetland	A.				
VEGETATION (Use scientific names)							
,	Absolute	Dominant	Indicator	Dominance Test Worksheet			
	Absolute			Dollindice rest worksheet	1		
Tree Stratum (Plot size:30 ft radius)	% Cover	Species?	Status	Number of Dominant Species 4	(1)		
Picea sitchensis	80%	yes	FAC	Number of Dominant Species 4  That Are OBL, FACW, or FAC:	(A)		
2. Alnus rubra	10%	no	FAC	That Are OBE, I AOVV, OF I AO.			
3. Frangula purshiana	10%	no	FAC	Total Number of Dominant 7	(D)		
4.	%			Species Across All Strata:	(B)		
Total Cover:	100%			1	(4.15)		
				Percent of Dominant Species 57	(A/B)		
Carling/Chruh Stratum (Diet size: 15 ft radius)				That Are OBL, FACW, or FAC			
Sapling/Shrub Stratum (Plot size: 15 ft. radius)	20%	VOC	FAC	Prevalence Index worksheet			
1. Rubus spectabilis	20%	yes	FACU	Total % Cover of: Multiply by:			
2. Rubus parviflorus		yes	FAC	OBL species x 1=	-		
3. Malus fusca	10%	no		FACW species x 2=	-		
4. Gaultheria shallon	5%	no	FACU		-		
5. Oemleria cerasiformis	5%	no	FACU		-		
Total Cover:	60%			FACU species x 4=	_		
Herb Stratum (Plot size: 5 ft radius)	0.000			UPL species x 5=	- <sub>(D)</sub>		
Maianthemum dilatatum	40%	yes	FAC	Column Totals: (A)	(B)		
Carex obnupta	20%	yes	OBL	Prevalence Index = B/A=			
3. Polystichum munitum	20%	yes	FACU	Hydrophytic Vegetation Indicators:			
4. Pteridium aquilinum	20%	yes	FACU	☐ 1 – Rapid Test for Hydrophytic Vegetation			
Plendium aquilinum				□ 2 – Dominance Test is >50%			
5.	%			☐ 3 - Prevalence Index is ≤3.01			
6.	%			4 - Morphological Adaptations <sup>1</sup> (Provide			
	70	9		supporting data In Remarks or on a separate	e sheet)		
7.	%	9					
8.	%			☐ Wetland Non-Vascular Plants¹			
Total Cover:	100%			☐ Problematic Hydrophytic Vegetation¹ (Explain	n)		
Woody Vine Stratum (Plot size: 15 ft radius)							
1	%			<sup>1</sup> Indicators of hydric soil and wetland hydrology			
2.	%			Must be present, unless disturbed or problematic.			
Total Cover:				Hydrophytic Vegetation Present?			
					ı		
% Bare Ground in Herb Stratum 0%				Yes⊠ N	10□		
Remarks:							
· ·							
,							



Profile Description: (Describe to the dep	oth needed to doc	unient the malcator or con	itirm	the absence of indicators.)	8.7		
Depth Matrix		Redox Features					
(inches) Color (moist) %	Color (moist)	% Type <sup>1</sup> _	Lo		Remarks		
0-16 7.5YR 2/2 100%		%		Fine sand			
%							
<u>%</u> -							
——————————————————————————————————————			_				
<sup>1</sup> Type: C=Concentration, D=Depletion, F	RM=Reduced Matri	c. CS=Covered or Coated Sa	and G	Grains. <sup>2</sup> Location: PL=Pore Lining, M=1	Matrix		
Hydric Soil Indicators: (Applicable to al	I LRRs, unless of	nerwise noted.)		Indicators for Problematic Hydr	ic Soils		
☐ Histosal (A1)	☐ Sandy Redo	k (S5)		☐ 2 cm Muck (A10)			
☐ Histic Epipedon (A2)	Stripped Mat	rix (S6)		Red Parent Material (TF2)	40)		
				Very Shallow Dark Surface (TF	12)		
☐ Black Histic (A3)		y Mineral (F1) (except MLR	A 1)	☐ Other (Explain in Remarks)			
☐ Hydrogen Sulfide (A4)	Loamy Gleye						
Depleted Below Dark Surface (A11)	☐ Depleted Ma						
☐ Thick Dark Surface (A12)	Redox Dark			2			
☐ Sandy Mucky Minerals (S1)	Depleted Da			<sup>3</sup> Indicators of hydrophytic vegetation			
☐ Sandy Gleyed Matrix (S4)	☐ Redox Depre	essions (F8)		Wetland hydrology must be pre	esent		
Restrictive Layer (if present):							
Tunes				Hydric Soil Present?			
Type:				Tryuno con i reconc.	Yes□ No⊠		
Depth (inches):							
Remarks:							
HYDROLOGY							
The state of the s				Secondary Indicators			
Wetland Hydrology Indicators:				(2 or more required)			
Primary Indicators (min. of one required;	check all that apply	)		75			
Timary maloatoro (min. or one required)	on on an area app.)			☐ Water Stained Leaves	(B9)		
☐ Surface Water (A1)	☐ Water-Stain	ed Leaves (B9) (except MLF	RA 1,				
☐ High Water Table (A2)	☐ Salt Crust (E			☐ Drainage Patterns (B10	0)		
☐ Saturation (A3)	☐ Aquatic Inve	rtebrates (B13)		□ Dry-Season Water Tab	le (C2)		
☐ Water Marks (B1)	☐ Hydrogen S	ulfide Odor (C1)		☐ Saturation Visible on A	erial Imagery (C9)		
☐ Sediment Deposits (B2)	Oxidized Rh	izospheres along Living Roo	ts (C	<ol> <li>Geomorphic Position (I</li> </ol>			
☐ Drift Deposits (B3)	☐ Presence of						
	i leached of	Reduced Iron (C4)	•	☐ Shallow Aquitard (D3)	02)		
		Reduced Iron (C4) Reduction in Tilled Soils (C6)		☐ Shallow Adultard (D3)			
☐ Algal Mat or crust (B4)	Recent Iron		5)				
☐ Algal Mat or crust (B4)☐ Iron Deposits (B5)	Recent Iron	Reduction in Tilled Soils (C6 tressed Plants (D1) (LRR A)	5)	☐ FAC-Neutral Test (D5)	6) (LRR A)		
☐ Algal Mat or crust (B4) ☐ Iron Deposits (B5) ☐ Surface Soil Cracks (B6)	☐ Recent Iron ☐ Stunted or S ☐Other (Expla	Reduction in Tilled Soils (C6 tressed Plants (D1) (LRR A)	5)	☐ FAC-Neutral Test (D5) ☐ Raised Ant Mounds (D	6) (LRR A)		
☐ Algal Mat or crust (B4) ☐ Iron Deposits (B5) ☐ Surface Soil Cracks (B6) ☐ Inundation Visible on Aerial Imagery (I	☐ Recent Iron ☐ Stunted or S ☐Other (Expla	Reduction in Tilled Soils (C6 tressed Plants (D1) (LRR A)	5)	☐ FAC-Neutral Test (D5) ☐ Raised Ant Mounds (D	6) (LRR A)		
☐ Algal Mat or crust (B4) ☐ Iron Deposits (B5) ☐ Surface Soil Cracks (B6) ☐ Inundation Visible on Aerial Imagery (Inc.)  Field Observations:	Recent Iron Stunted or S Other (Expla	Reduction in Tilled Soils (C6 stressed Plants (D1) (LRR A) in in Remarks)	5)	☐ FAC-Neutral Test (D5) ☐ Raised Ant Mounds (D	6) (LRR A)		
☐ Algal Mat or crust (B4) ☐ Iron Deposits (B5) ☐ Surface Soil Cracks (B6) ☐ Inundation Visible on Aerial Imagery (Infinity of the Company of	Recent Iron Stunted or S Other (Expla	Reduction in Tilled Soils (C6 stressed Plants (D1) (LRR A) in in Remarks)  Depth (Inches):	5)	☐ FAC-Neutral Test (D5) ☐ Raised Ant Mounds (D ☐ Frost-Heave Hummock	6) (LRR A)		
☐ Algal Mat or crust (B4) ☐ Iron Deposits (B5) ☐ Surface Soil Cracks (B6) ☐ Inundation Visible on Aerial Imagery (Infection of the Imagery (Infection of the Imagery of th	Recent Iron Stunted or S Other (Explain)  No  No  I	Reduction in Tilled Soils (C6 stressed Plants (D1) (LRR A) in in Remarks)  Depth (Inches): Depth (Inches):	5)	☐ FAC-Neutral Test (D5) ☐ Raised Ant Mounds (D	6) (LRR A) ss (D4)		
☐ Algal Mat or crust (B4) ☐ Iron Deposits (B5) ☐ Surface Soil Cracks (B6) ☐ Inundation Visible on Aerial Imagery (In Field Observations: Surface Water Present? Yes ☐ Water Table Present? Yes ☐ Saturation Present? Yes ☐	Recent Iron Stunted or S Other (Explain)  No  No  I	Reduction in Tilled Soils (C6 stressed Plants (D1) (LRR A) in in Remarks)  Depth (Inches):	5)	☐ FAC-Neutral Test (D5) ☐ Raised Ant Mounds (D ☐ Frost-Heave Hummock	6) (LRR A)		
☐ Algal Mat or crust (B4) ☐ Iron Deposits (B5) ☐ Surface Soil Cracks (B6) ☐ Inundation Visible on Aerial Imagery (Inundation Visible on Aerial Imagery (Includes Capillary Fringe)	Recent Iron Stunted or S Other (Explain)  No  No  No  No  I No  I	Reduction in Tilled Soils (C6 stressed Plants (D1) (LRR A) in in Remarks)  Depth (Inches): Depth (Inches):	5)	FAC-Neutral Test (D5) Raised Ant Mounds (D Frost-Heave Hummock	6) (LRR A) ss (D4)		
☐ Algal Mat or crust (B4) ☐ Iron Deposits (B5) ☐ Surface Soil Cracks (B6) ☐ Inundation Visible on Aerial Imagery (In Field Observations: Surface Water Present? Yes ☐ Water Table Present? Yes ☐ Saturation Present? Yes ☐	Recent Iron Stunted or S Other (Explain)  No  No  No  No  I No  I	Reduction in Tilled Soils (C6 stressed Plants (D1) (LRR A) in in Remarks)  Depth (Inches): Depth (Inches):	5)	FAC-Neutral Test (D5) Raised Ant Mounds (D Frost-Heave Hummock	6) (LRR A) ss (D4)		
☐ Algal Mat or crust (B4) ☐ Iron Deposits (B5) ☐ Surface Soil Cracks (B6) ☐ Inundation Visible on Aerial Imagery (Inundation Visible on Aerial Imagery (Inface Water Present? Yes☐ Water Table Present? Yes☐ Saturation Present? Yes☐ (Includes Capillary fringe)	Recent Iron Stunted or S Other (Explain)  No  No  No  No  I No  I	Reduction in Tilled Soils (C6 stressed Plants (D1) (LRR A) in in Remarks)  Depth (Inches): Depth (Inches):	5)	FAC-Neutral Test (D5) Raised Ant Mounds (D Frost-Heave Hummock	6) (LRR A) ss (D4)		
☐ Algal Mat or crust (B4) ☐ Iron Deposits (B5) ☐ Surface Soil Cracks (B6) ☐ Inundation Visible on Aerial Imagery (Inundation Visible on Aerial Imagery (Includes Capillary fringe)  ☐ Inundation Visible on Aerial Imagery (Includes Capillary fringe)	Recent Iron Stunted or S Other (Explain)  No  No  No  No  I No  I	Reduction in Tilled Soils (C6 stressed Plants (D1) (LRR A) in in Remarks)  Depth (Inches): Depth (Inches):	5)	FAC-Neutral Test (D5) Raised Ant Mounds (D Frost-Heave Hummock	6) (LRR A) ss (D4)		
☐ Algal Mat or crust (B4) ☐ Iron Deposits (B5) ☐ Surface Soil Cracks (B6) ☐ Inundation Visible on Aerial Imagery (Inundation Visible on Aerial Imagery (Inface Water Present? Yes☐ Water Table Present? Yes☐ Saturation Present? Yes☐ (Includes Capillary fringe)	Recent Iron Stunted or S Other (Explain)  No  No  No  No  I No  I	Reduction in Tilled Soils (C6 stressed Plants (D1) (LRR A) in in Remarks)  Depth (Inches): Depth (Inches):	5)	FAC-Neutral Test (D5) Raised Ant Mounds (D Frost-Heave Hummock	6) (LRR A) ss (D4)		
☐ Algal Mat or crust (B4) ☐ Iron Deposits (B5) ☐ Surface Soil Cracks (B6) ☐ Inundation Visible on Aerial Imagery (Inundation Visible on Aerial Imagery (Includes Capillary fringe)  ☐ Inundation Visible on Aerial Imagery (Includes Capillary fringe)	Recent Iron Stunted or S Other (Explain)  No  No  No  No  I No  I	Reduction in Tilled Soils (C6 stressed Plants (D1) (LRR A) in in Remarks)  Depth (Inches): Depth (Inches):	5)	FAC-Neutral Test (D5) Raised Ant Mounds (D Frost-Heave Hummock	6) (LRR A) ss (D4)		
☐ Algal Mat or crust (B4) ☐ Iron Deposits (B5) ☐ Surface Soil Cracks (B6) ☐ Inundation Visible on Aerial Imagery (Inundation Visible on Aerial Imagery (Includes Capillary fringe)  ☐ Inundation Visible on Aerial Imagery (Includes Capillary fringe)	Recent Iron Stunted or S Other (Explain)  No  No  No  No  I No  I	Reduction in Tilled Soils (C6 stressed Plants (D1) (LRR A) in in Remarks)  Depth (Inches): Depth (Inches):	5)	FAC-Neutral Test (D5) Raised Ant Mounds (D Frost-Heave Hummock	6) (LRR A) ss (D4)		



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

Project/Site: Romine Delineation Applicant/Owner: Ray Romine Construction, LLC	<u> </u>	City/Cou	unty: Gearhar State: OR		Sampling Date: <u>4.</u> Sampling P		
Investigator(s): S. Taylor		Sectio	n, Township,	Range: S-6, T-	10N, R-0W		
Landform (hillslope, terrace, etc.): footslope dune	L	ocal relief: co				Slope (%):3-	15%
Subregion (LRR):4A	Lat: 46.0344		Long:-123.9	9105	Datum: 1	VAD83	
Soil Map Unit Name: 19C, Gearhart fine sandy loam				VI classification:			
Are climatic / hydrologic conditions on the site typical for this time of year? Yes⊠ No□ (If no, explain Remarks.)							
Are Vegetation□, Soil□, or Hydrology□ significantly	ea "Normal C	ircumstances" pi	resent? Yes⊠ No	o 🗌			
Are Vegetation□, Soil□, or Hydrology□ naturally pr	ed, explain a	ny answers in Re	emarks.)				
SUMMARY OF FINDINGS – Attach site map		mpling po	int location	ns. transects.	important feat	tures, etc.	
		1					
Hydrophytic Vegetation Present? Yes ⊠ No ☐ Hydric Soils Present? Yes ☐ No ☐			mpled Area	_			1
Wetland Hydrology Present? Yes ⊠ No □		within a \	Netland?	Yes	⊠ No□		
Remarks: Test plot located within Wetland A, on the c		nortion of the	study area				
Nemarks. Test plot located within Wetland 71, on the o	Cittal Western	portion or the	ottaay aroa,				
VEGETATION (Use scientific names)							
,	Absolute	Dominant	Indicator	Dominance Te	est Worksheet		
Tree Stratum (Plot size:30 ft radius)	% Cover	Species?	Status	Dominance 1			
1. Alnus rubra	30%	yes	FAC	Number of Dor	ninant Species	5	(A)
2. Picea sitchensis	10%	yes	FAC		FACW, or FAC:		( )
3.	<del></del> %	<u>ycs</u>	1710				
4.	<del></del>			Total Number	of Dominant	5	(B)
Total Cover:	40%			Species Across	s All Strata:		, ,
Total Covol.	1070					100	(A/B)
				Percent of Don			
Sapling/Shrub Stratum (Plot size: 15 ft. radius)	200/		E4014/		FACW, or FAC		
1. Malus fusca	90%	yes	FACW		dex worksheet	Multiply by:	
2. Rubus spectabilis	10%	no	FAC	OBL species	Cover of:	$\frac{\text{Multiply by:}}{\text{x 1=}}$	
3	<del>%</del>		<u>t</u>	FACW species		x 2=	_
4. 5.	<del></del>			FAC species		x 3=	_
Total Cover:	100%		-	FACU species		x 4=	_
Herb Stratum (Plot size: 5 ft radius)	10070			UPL species		x 5=	_
1. Maianthemum dilatatum	80%	yes	FAC	Column Totals		(A)	(B)
2. Carex obnupta	20%	ves	OBL	_	revalence Index =	` '	( )
3.	%				/egetation Indica		
4.			-		d Test for Hydroph		
т.	%				inance Test is >50		
5.	%		-		alence Index is ≤3.		
6.				4 - Morp	hological Adaptation	ons <sup>1</sup> (Provide	
	%			☐ supporting	ng data In Remark	s or on a separa	te sheet)
7.	%						
8.	%				Non-Vascular Pla		
Total Cover:	100%			☐ Problem	atic Hydrophytic V	egetation¹ (Expl	ain)
Woody Vine Stratum (Plot size: 15 ft radius)							
1	%				nydric soil and wet		
2	%			Must be prese	nt, unless disturbe	d or problemation	; <u>.</u>
Total Cover:	%						
				Hydrophytic V	egetation Present	t?	
% Bare Ground in Herb Stratum 0%				A-00-01		Yes⊠	No
Remarks:							
							=
į.							

Profile Description: (Describe to the de	<b>[</b>					
Depth Matrix		Redox Feature				
(inches) Color (moist) %	Color (moist)	%	Type <sup>1</sup> L	.oc²	Texture	Remarks
0-8 10YR 2/1 100%					Loamy sand	See Remarks Below
8-16 10YR 2/1 30%		%			Loamy sand	See Remarks Below
5YR 2.5/2 70%		%				
<u>%</u>						
		<del></del>				
<sup>1</sup> Type: C=Concentration, D=Depletion, I	RM=Reduced Matr	ix. CS=Covered o	r Coated Sand	Grains	s. <sup>2</sup> Location: PL=Pore Lir	ning, M=Matrix
Hydric Soil Indicators: (Applicable to a	II LRRs, unless of	therwise noted.)			Indicators for Problema	atic Hydric Soils
☐ Histosal (A1)	☐ Sandy Redo				☐ 2 cm Muck (A10)	
☐ Histic Epipedon (A2)	☐ Stripped Ma	trix (S6)			Red Parent Material (T	
	_				☐ Very Shallow Dark Sur	
☐ Black Histic (A3)		ky Mineral (F1) (e	xcept MLRA 1	)	Other (Explain in Remain	arks)
☐ Hydrogen Sulfide (A4)	Loamy Gley					
☐ Depleted Below Dark Surface (A11)	☐ Depleted M	atrix (F3)				
☐ Thick Dark Surface (A12)	☐ Redox Dark	Surface (F6)				
☐ Sandy Mucky Minerals (S1)	□ Depleted Da	ark Surface (F7)			<sup>3</sup> Indicators of hydrophytic	vegetation and
☐ Sandy Gleyed Matrix (S4)	Redox Depi	ressions (F8)			Wetland hydrology mu	ust be present
Restrictive Layer (if present):						
Type: hard pan				Hyd	dric Soil Present?	Yes□ No⊠
Double (inches):0						Tes No
Depth (inches):8	-b BOO Oi	ttor propost is	a unner 10 inch	OC PC	c	
Remarks: Mixed matrix between 14-17 in	cnes BGS. Organii	c matter present ii	Tupper To Inci	ies de	<b>3</b> .	
P					i	
HYDROLOGY						
HYDROLOGY					Secondary Indica	ntors
HYDROLOGY  Wetland Hydrology Indicators:					Secondary Indica	
Wetland Hydrology Indicators:	check all that apply	v)			Secondary Indica	
	check all that apply	y)				ed)
Wetland Hydrology Indicators:  Primary Indicators (min. of one required;			except MLRA	1, 2, 4	(2 or more require	ed) I Leaves (B9)
Wetland Hydrology Indicators:  Primary Indicators (min. of one required;  Surface Water (A1)	☐ Water-Stair	ned Leaves (B9) (	except MLRA	1, 2, 4	(2 or more require	ed) I Leaves (B9) A, and 4B)
Wetland Hydrology Indicators:  Primary Indicators (min. of one required;  Surface Water (A1) High Water Table (A2)	☐ Water-Stair	ned Leaves (B9) ( B11)	except MLRA	1, 2, 4	(2 or more required  Water Stained A, & 4B) (MLRA 1, 2, 4	ed) i Leaves (B9) iA, and 4B) erns (B10)
Wetland Hydrology Indicators:  Primary Indicators (min. of one required;  ☐ Surface Water (A1) ☐ High Water Table (A2) ☐ Saturation (A3)	☐ Water-Stair ☐ Salt Crust (	ned Leaves (B9) ( B11) ertebrates (B13)	except MLRA	1, 2, 4	(2 or more required  Water Stained  (MLRA 1, 2, 4  □ Drainage Patt □ Dry-Season V	ed) i Leaves (B9) iA, and 4B) erns (B10)
Wetland Hydrology Indicators:  Primary Indicators (min. of one required;  ☐ Surface Water (A1) ☐ High Water Table (A2) ☑ Saturation (A3) ☐ Water Marks (B1)	☐ Water-Stair ☐ Salt Crust ( ☐ Aquatic Inv	ned Leaves (B9) ( B11) ertebrates (B13) Sulfide Odor (C1)			(2 or more required  Water Stained  (MLRA 1, 2, 4  □ Drainage Patt □ Dry-Season V	d Leaves (B9) A, and 4B) erns (B10) Vater Table (C2) sible on Aerial Imagery (C9)
Wetland Hydrology Indicators:  Primary Indicators (min. of one required;  ☐ Surface Water (A1) ☐ High Water Table (A2) ☑ Saturation (A3) ☐ Water Marks (B1) ☐ Sediment Deposits (B2)	☐ Water-Stair ☐ Salt Crust ( ☐ Aquatic Inv ☐ Hydrogen S ☐ Oxidized R	ned Leaves (B9) ( B11) ertebrates (B13) Sulfide Odor (C1) hizospheres along	g Living Roots (		(2 or more required  Water Stained  MLRA 1, 2, 4  Drainage Patt  Dry-Season W  Saturation Vis	I Leaves (B9) A, and 4B) erns (B10) Vater Table (C2) sible on Aerial Imagery (C9) Position (D2)
Wetland Hydrology Indicators:  Primary Indicators (min. of one required;  Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	☐ Water-Stair ☐ Salt Crust ( ☐ Aquatic Inv ☐ Hydrogen S ☐ Oxidized R ☐ Presence of	ned Leaves (B9) ( B11) ertebrates (B13) Sulfide Odor (C1) hizospheres along f Reduced Iron (C	g Living Roots (		(2 or more required  Water Stained  (MLRA 1, 2, 4)  Drainage Patt  Dry-Season W  Saturation Vis  Geomorphic F  Shallow Aquit	Leaves (B9) A, and 4B) erns (B10) Vater Table (C2) sible on Aerial Imagery (C9) Position (D2) ard (D3)
Wetland Hydrology Indicators:  Primary Indicators (min. of one required;  Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or crust (B4)	☐ Water-Stair ☐ Salt Crust ( ☐ Aquatic Inv ☐ Hydrogen S ☐ Oxidized R ☐ Presence c ☐ Recent Iror	ned Leaves (B9) ( B11) ertebrates (B13) Sulfide Odor (C1) hizospheres along of Reduced Iron (C n Reduction in Tille	g Living Roots ( 24) ed Soils (C6)		(2 or more required water Stained (MLRA 1, 2, 4)  Drainage Patt  Dry-Season V  Saturation Vis  Geomorphic F  Shallow Aquit  FAC-Neutral	Leaves (B9) A, and 4B) erns (B10) Vater Table (C2) sible on Aerial Imagery (C9) Position (D2) ard (D3) Fest (D5)
Wetland Hydrology Indicators:  Primary Indicators (min. of one required;  Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or crust (B4) Iron Deposits (B5)	☐ Water-Stair ☐ Salt Crust ( ☐ Aquatic Inv ☐ Hydrogen S ☐ Oxidized R ☐ Presence c ☐ Recent Iror ☐ Stunted or	ned Leaves (B9) ( B11) ertebrates (B13) Sulfide Odor (C1) hizospheres along of Reduced Iron (C n Reduction in Tillo Stressed Plants (I	g Living Roots ( 24) ed Soils (C6)		(2 or more required water Stained (MLRA 1, 2, 4)  Drainage Patt Dry-Season V Saturation Vis Geomorphic F Shallow Aquit FAC-Neutral Raised Ant Me	Leaves (B9) A, and 4B) erns (B10) Vater Table (C2) Lible on Aerial Imagery (C9) Position (D2) ard (D3) Test (D5) ounds (D6) (LRR A)
Wetland Hydrology Indicators:  Primary Indicators (min. of one required;  Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6)	☐ Water-Stair ☐ Salt Crust ( ☐ Aquatic Inv ☐ Hydrogen S ☐ Oxidized R ☐ Presence c ☐ Recent Iror ☐ Stunted or ☐ Other (Expl	ned Leaves (B9) ( B11) ertebrates (B13) Sulfide Odor (C1) hizospheres along of Reduced Iron (C n Reduction in Tille	g Living Roots ( 24) ed Soils (C6)		(2 or more required water Stained (MLRA 1, 2, 4)  Drainage Patt  Dry-Season V  Saturation Vis  Geomorphic F  Shallow Aquit  FAC-Neutral	Leaves (B9) A, and 4B) erns (B10) Vater Table (C2) Lible on Aerial Imagery (C9) Position (D2) ard (D3) Test (D5) ounds (D6) (LRR A)
Wetland Hydrology Indicators:  Primary Indicators (min. of one required;  Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or crust (B4) Iron Deposits (B5)	☐ Water-Stair ☐ Salt Crust ( ☐ Aquatic Inv ☐ Hydrogen S ☐ Oxidized R ☐ Presence c ☐ Recent Iror ☐ Stunted or ☐ Other (Expl	ned Leaves (B9) ( B11) ertebrates (B13) Sulfide Odor (C1) hizospheres along of Reduced Iron (C n Reduction in Tillo Stressed Plants (I	g Living Roots ( 24) ed Soils (C6)		(2 or more required water Stained (MLRA 1, 2, 4)  Drainage Patt Dry-Season V Saturation Vis Geomorphic F Shallow Aquit FAC-Neutral Raised Ant Me	Leaves (B9) A, and 4B) erns (B10) Vater Table (C2) Lible on Aerial Imagery (C9) Position (D2) ard (D3) Test (D5) ounds (D6) (LRR A)
Wetland Hydrology Indicators:  Primary Indicators (min. of one required;  Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (	☐ Water-Stair ☐ Salt Crust ( ☐ Aquatic Inv ☐ Hydrogen S ☐ Oxidized R ☐ Presence c ☐ Recent Iror ☐ Stunted or ☐ Other (Expl	ned Leaves (B9) ( B11) ertebrates (B13) Sulfide Odor (C1) hizospheres along of Reduced Iron (C n Reduction in Tillo Stressed Plants (I	g Living Roots ( 24) ed Soils (C6)		(2 or more required water Stained (MLRA 1, 2, 4)  Drainage Patt Dry-Season V Saturation Vis Geomorphic F Shallow Aquit FAC-Neutral Raised Ant Me	Leaves (B9) A, and 4B) erns (B10) Vater Table (C2) Lible on Aerial Imagery (C9) Position (D2) ard (D3) Test (D5) ounds (D6) (LRR A)
Wetland Hydrology Indicators:  Primary Indicators (min. of one required;  Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6)	☐ Water-Stair ☐ Salt Crust ( ☐ Aquatic Inv ☐ Hydrogen S ☐ Oxidized R ☐ Presence c ☐ Recent Iror ☐ Stunted or ☐ Other (Expl	ned Leaves (B9) ( B11) ertebrates (B13) Sulfide Odor (C1) hizospheres along of Reduced Iron (C n Reduction in Tillo Stressed Plants (I	g Living Roots ( 24) ed Soils (C6)	(C3)·	(2 or more required    Water Stained    (MLRA 1, 2, 4    Drainage Patt    Dry-Season V    Saturation Vis    Geomorphic F    Shallow Aquit    FAC-Neutral    Raised Ant M    Frost-Heave H	ed) I Leaves (B9) A, and 4B) erns (B10) Vater Table (C2) iible on Aerial Imagery (C9) Position (D2) ard (D3) Test (D5) ounds (D6) (LRR A) Hummocks (D4)
Wetland Hydrology Indicators:  Primary Indicators (min. of one required;  □ Surface Water (A1) □ High Water Table (A2) ☑ Saturation (A3) □ Water Marks (B1) □ Sediment Deposits (B2) □ Drift Deposits (B3) □ Algal Mat or crust (B4) □ Iron Deposits (B5) □ Surface Soil Cracks (B6) □ Inundation Visible on Aerial Imagery (Field Observations: Surface Water Present? Yes □	☐ Water-Stair ☐ Salt Crust ( ☐ Aquatic Inv ☐ Hydrogen S ☐ Oxidized R ☐ Presence c ☐ Recent Iror ☐ Stunted or ☐ Other (Expl	ned Leaves (B9) ( B11) ertebrates (B13) Sulfide Odor (C1) hizospheres along if Reduced Iron (C n Reduction in Till Stressed Plants (I ain in Remarks)	g Living Roots ( 24) ed Soils (C6)	(C3).	(2 or more required water Stained (MLRA 1, 2, 4)  Drainage Patt Dry-Season V Saturation Vis Geomorphic F Shallow Aquit FAC-Neutral Raised Ant Me	ed) I Leaves (B9) A, and 4B) erns (B10) Vater Table (C2) iible on Aerial Imagery (C9) Position (D2) ard (D3) Test (D5) ounds (D6) (LRR A) Hummocks (D4)
Wetland Hydrology Indicators:  Primary Indicators (min. of one required;  □ Surface Water (A1) □ High Water Table (A2) ☑ Saturation (A3) □ Water Marks (B1) □ Sediment Deposits (B2) □ Drift Deposits (B3) □ Algal Mat or crust (B4) □ Iron Deposits (B5) □ Surface Soil Cracks (B6) □ Inundation Visible on Aerial Imagery (Field Observations: Surface Water Present? Yes □		ned Leaves (B9) ( B11) ertebrates (B13) Sulfide Odor (C1) hizospheres along of Reduced Iron (C n Reduction in Till Stressed Plants (I ain in Remarks)	g Living Roots ( 64) ed Soils (C6) D1) (LRR A)	(C3).	(2 or more required    Water Stained    (MLRA 1, 2, 4    Drainage Patt    Dry-Season V    Saturation Vis    Geomorphic F    Shallow Aquit    FAC-Neutral    Raised Ant M    Frost-Heave H	ed) I Leaves (B9) A, and 4B) erns (B10) Vater Table (C2) iible on Aerial Imagery (C9) Position (D2) ard (D3) Test (D5) ounds (D6) (LRR A) Hummocks (D4)
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### WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys and Coast Region

Project/Site: Romine Delineation		City/Cοι	unty: Gearhar				
Applicant/Owner: Ray Romine Construction, LLC			State: OR		nt: TP-4		
nvestigator(s): S. Taylor	Range: S-6, T-10N, R-0W		1001				
Landform (hillslope, terrace, etc.): footslope dune	L	ocal relief: co			_Slope (%): <u>3-</u>	15%	
Subregion (LRR):4A	Lat: 46.0344		Long:-123.9	0105Datum:_N/	AD83		
Soil Map Unit Name: 19C, Gearhart fine sandy loam				VI classification: None			
Are climatic / hydrologic conditions on the site typical for	or this time of v	ear? Yes⊠	No□ (If n	o, explain Remarks.)			
Are Vegetation ☐, Soil ☐, or Hydrology ☐ significantly disturbed? Area "Normal Circumstances" present? Yes ☒ No ☐							
Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic? (If needed, explain any answers in Remarks.)							
SUMMARY OF FINDINGS – Attach site map	chowing ca				ıres. etc.		
		impling po	int location	ns, transcoto, important route			
Hydrophytic Vegetation Present? Yes ⊠ No [		Is the Sar	mpled Area				
Hydric Soils Present? Yes ☐ No ☐		within a V		Yes□ No⊠			
Wetland Hydrology Present? Yes ☐ No 2	₫	Witching C					
Remarks: Test plot located southeast of Wetland A.							
VEGETATION (Use scientific names)							
VESETITION (COS CONTINO NAMES)				Dominance Test Worksheet			
	Absolute	Dominant	Indicator	Dominance Test Worksheet			
Tree Stratum (Plot size:30 ft radius)	% Cover	Species?	Status	Noushar of Daminant Charles	-	(4)	
1. Alnus rubra	40%	yes	FAC	Number of Dominant Species	5	(A)	
2. Picea sitchensis	10%	yes	FAC	That Are OBL, FACW, or FAC:		1	
3.	%			Total Number of Dominant	_		
4.	%			Species Across All Strata:	5	(B)	
Total Cover:	50%			Species Across Air Strata.			
				Percent of Dominant Species	100	(A/B)	
0 1 (0) 1 01 1 1 (0) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				That Are OBL, FACW, or FAC			
Sapling/Shrub Stratum (Plot size: 15 ft. radius)	4000/		EAC/A/	Prevalence Index worksheet			
1. Malus fusca	100%	yes	FACW	The production of the state of	Multiply by:		
2. Rubus spectabilis	10%	no	FAC	Total % Cover of:		_	
3. Rubus parviflorus	5%	no	FAC		1=	- '	
4.	%_		-		2=	_	
5	%				3=		
Total Cover:	115%				. 4=		
Herb Stratum (Plot size: 5 ft radius)					5=	— <sub>(D)</sub>	
1. Maianthemum dilatatum	55%	yes	FAC	The state of the s	A)	(B)	
2. Carex obnupta	40%	yes	OBL	Prevalence Index = B			
3. Polystichum munitum	5%	no	FACU	Hydrophytic Vegetation Indicate			
4.	%			☐ 1 – Rapid Test for Hydrophy			
	70						
5.	%			3 - Prevalence Index is ≤3.0			
6.	0/			4 - Morphological Adaptation	ns¹ (Provide		
	%			□ supporting data In Remarks	or on a separa	ite sheet)	
7.	%						
8.	%			☐ Wetland Non-Vascular Plant			
Total Cover:	100%			☐ Problematic Hydrophytic Ve	getation <sup>1</sup> (Expla	ain)	
Woody Vine Stratum (Plot size: 15 ft radius)							
1	%			<sup>1</sup> Indicators of hydric soil and wetla	nd hydrology		
2.	%	-		Must be present, unless disturbed	or problematic	).	
Total Cover:							
				Hydrophytic Vegetation Present?		🗖	
% Bare Ground in Herb Stratum 0%					Yes⊠	No.	
Remarks:							
			,				



Depth Matrix	R	edox Feature	es			
(inches) Color (moist) %	Color (moist)		Type <sup>1</sup>	_oc²	Texture	Remarks
0-16 7.5YR 2/2 100%		%			Loamy sand	
16-18 7.5YR 2/2 50%		%			Loamy sand	See Remarks Below
2.5YR 2/1 50%	<u> </u>	%				
	<u>/</u>	<u>%</u> _				
	<u>//-</u>	<u>%</u> -				
	/o	<del></del>				
	<del>//</del> 6	<del></del> -				
<sup>1</sup> Type: C=Concentration, D=Depleti			r Coated Sand	Grains	. <sup>2</sup> Location: PL=Pore Linir	ng, M=Matrix
Hydric Soil Indicators: (Applicable	to all LRRs, unless otherw	ise noted.)			Indicators for Problemat	ic Hydric Soils
☐ Histosal (A1)	☐ Sandy Redox (S5	5)			☐ 2 cm Muck (A10)	
☐ Histic Epipedon (A2)	☐ Stripped Matrix (\$	S6)			Red Parent Material (TF	
					☐ Very Shallow Dark Surfa	
☐ Black Histic (A3)	Loamy Mucky Mi		xcept MLRA	1)	Other (Explain in Remar	KS)
☐ Hydrogen Sulfide (A4)	Loamy Gleyed M					
☐ Depleted Below Dark Surface (A1						
☐ Thick Dark Surface (A12)	Redox Dark Surf					
☐ Sandy Mucky Minerals (S1)	Depleted Dark St				Indicators of hydrophytic v	
☐ Sandy Gleyed Matrix (S4)	☐ Redox Depression	ons (F8)			Wetland hydrology mus	st be present
Restrictive Layer (if present):						
_				Live	Iric Soil Present?	
Type:				пус	inc son Fresent:	Yes□ No⊠
Depth (inches):						
Remarks: Mixed matrix at 16 inches	and greater RGS					
Remarks. Wilked matrix at 10 mches	and greater boo					
			,			
HYDROLOGY						
					Secondary Indicato	
HYDROLOGY  Wetland Hydrology Indicators:					Secondary Indicate (2 or more required	
	red; check all that apply)				(2 or more required	d)
Wetland Hydrology Indicators:					(2 or more required	d) Leaves (B9)
Wetland Hydrology Indicators:  Primary Indicators (min. of one requi	☐ Water-Stained L		except MLRA	1, 2, 4	(2 or more required  Water Stained I  A, & 4B) (MLRA 1, 2, 4A	d) Leaves (B9) a, and 4B)
Wetland Hydrology Indicators:  Primary Indicators (min. of one requi  Surface Water (A1) High Water Table (A2)	☐ Water-Stained L ☐ Salt Crust (B11)		except MLRA	1, 2, 4	(2 or more required  Water Stained I  A, & 4B) (MLRA 1, 2, 4A  □ Drainage Patter	d) Leaves (B9) a, and 4B) rns (B10)
Wetland Hydrology Indicators:  Primary Indicators (min. of one requi	☐ Water-Stained L ☐ Salt Crust (B11) ☐ Aquatic Inverteb	rates (B13)	except MLRA	1, 2, 4	(2 or more required  Water Stained I  A, & 4B) (MLRA 1, 2, 4A  □ Drainage Patter  □ Dry-Season Wa	Leaves (B9) A, and 4B) rns (B10) ater Table (C2)
Wetland Hydrology Indicators:  Primary Indicators (min. of one requi  Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	☐ Water-Stained L ☐ Salt Crust (B11) ☐ Aquatic Inverteb ☐ Hydrogen Sulfide	rates (B13) e Odor (C1)			Water Stained I A, & 4B) (MLRA 1, 2, 4A ☐ Drainage Patter ☐ Dry-Season Wa ☐ Saturation Visit	Leaves (B9) A, and 4B) rns (B10) ater Table (C2) ole on Aerial Imagery (C9)
Wetland Hydrology Indicators:  Primary Indicators (min. of one requi  Surface Water (A1) High Water Table (A2) Saturation (A3)		rates (B13) e Odor (C1) pheres alono	J Living Roots		(2 or more required  Water Stained I  A, & 4B) (MLRA 1, 2, 4A  □ Drainage Patter □ Dry-Season Wa □ Saturation Visib □ Geomorphic Po	Leaves (B9) A, and 4B) rns (B10) ater Table (C2) ble on Aerial Imagery (C9) osition (D2)
Wetland Hydrology Indicators:  Primary Indicators (min. of one requi  Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	☐ Water-Stained L ☐ Salt Crust (B11) ☐ Aquatic Inverteb ☐ Hydrogen Sulfide ☐ Oxidized Rhizos ☐ Presence of Rec	rates (B13) e Odor (C1) pheres alono duced Iron (C	g Living Roots (4)		(2 or more required  Water Stained I  A, & 4B) (MLRA 1, 2, 4A  □ Drainage Patter □ Dry-Season Wa □ Saturation Visib □ Geomorphic Po	Leaves (B9) Leaves (B9) Leaves (B10) Leaves (B10) Leaves (B2) Leaves (B9) Leav
Wetland Hydrology Indicators:  Primary Indicators (min. of one requi  Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	☐ Water-Stained L ☐ Salt Crust (B11) ☐ Aquatic Inverteb ☐ Hydrogen Sulfide ☐ Oxidized Rhizos ☐ Presence of Rec	rates (B13) e Odor (C1) pheres alono duced Iron (C luction in Till	g Living Roots (4) ed Soils (C6)		(2 or more required  Water Stained I  (MLRA 1, 2, 4A  Drainage Patter  Dry-Season Water  Saturation Visiber  Geomorphic Poten	Leaves (B9) A, and 4B) rns (B10) ater Table (C2) ble on Aerial Imagery (C9) brition (D2) rd (D3) est (D5)
Wetland Hydrology Indicators:  Primary Indicators (min. of one requi  Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	☐ Water-Stained L ☐ Salt Crust (B11) ☐ Aquatic Inverteb ☐ Hydrogen Sulfide ☐ Oxidized Rhizos ☐ Presence of Rec	rates (B13) e Odor (C1) pheres alono duced Iron (C luction in Till	g Living Roots (4) ed Soils (C6)		(2 or more required  Water Stained I  (MLRA 1, 2, 4A  Drainage Patter  Dry-Season Wa  Saturation Visib  Geomorphic Po  Shallow Aquitar  FAC-Neutral Te	Leaves (B9) A, and 4B) rns (B10) ater Table (C2) ble on Aerial Imagery (C9) bition (D2) rd (D3) est (D5) unds (D6) (LRR A)
Wetland Hydrology Indicators:  Primary Indicators (min. of one requi  Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or crust (B4)	☐ Water-Stained L ☐ Salt Crust (B11) ☐ Aquatic Inverteb ☐ Hydrogen Sulfide ☐ Oxidized Rhizos ☐ Presence of Rec	rates (B13) e Odor (C1) pheres along duced Iron (Cluction in Tilli sed Plants (I	g Living Roots (4) ed Soils (C6)		(2 or more required  Water Stained I  (MLRA 1, 2, 4A  Drainage Patter  Dry-Season Water  Saturation Visiber  Geomorphic Poten	Leaves (B9) A, and 4B) rns (B10) ater Table (C2) ble on Aerial Imagery (C9) bition (D2) rd (D3) est (D5) unds (D6) (LRR A)
Wetland Hydrology Indicators:  Primary Indicators (min. of one requi  Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or crust (B4) Iron Deposits (B5)	☐ Water-Stained L☐ Salt Crust (B11)☐ Aquatic Inverteb☐ Hydrogen Sulfid☐ Oxidized Rhizos☐ Presence of Rec☐ Recent Iron Red☐ Stunted or Stres☐Other (Explain in	rates (B13) e Odor (C1) pheres along duced Iron (Cluction in Tilli sed Plants (I	g Living Roots (4) ed Soils (C6)		(2 or more required  Water Stained I  (MLRA 1, 2, 4A  Drainage Patter  Dry-Season Wa  Saturation Visib  Geomorphic Po  Shallow Aquitar  FAC-Neutral Te	Leaves (B9) A, and 4B) rns (B10) ater Table (C2) ble on Aerial Imagery (C9) bition (D2) rd (D3) est (D5) unds (D6) (LRR A)
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# Appendix C



Above: 1. View southwest in the central portion of the site. This are is heavily shaded by mature spruce trees. The boundary of Wetland A is located just beyond the lilly-of-the-valley across the central portion of the photo and is approximately 6 to 8 inches lower in elevation.

Below: 2. View looking southwest near the upland/wetland boundary. The ground slopes down approximately 6 to 8 inches to the wetland floor (bare area) in the right side of the picture.



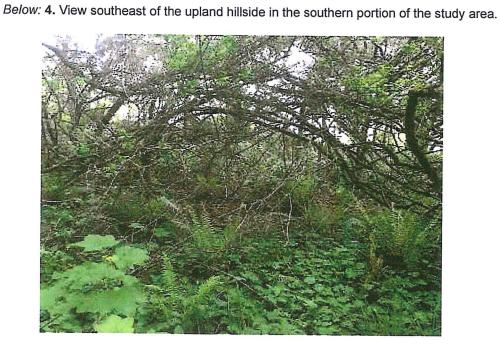


1157 3<sup>rd</sup> Ave., Suite 220A Longview, WA 98632 Phone: (360) 578-1371 Fax: (360) 414-9305

DATE: 04/26/16 DWN: JM PRJ. MGR: ST PROJ.#: 1133.03 Photoplate 1
Ground Level Color Photographs
Romine Delineation
Ray Romine Construction, LLC
City of Gearhart, Oregon



Above: 3. View of the southern boundary of Wetland A taken from Hillila Lane looking northwest.





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Below: 5. View of the overall representative condition of the forested hillside.



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Ground Level Color Photographs
Romine Delineation
Ray Romine Construction, LLC
City of Gearhart, Oregon

### Appendix D

#### **Additional Information**

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WETS Table for the Precipition Data & Analysis.

NOAA Preliminary table for the month of January.



1157 3<sup>rd</sup> Ave., Suite 220A Longview, WA 98632 Phone: (360) 578-1371 Fax: (360) 414-9305

DATE: 5/26/16 DWN: JM PRJ. MGR: ST PROJ.#: 1133.03 Additional Information
Appendix D
Romine Delineation
Ray Romine Construction, LLC
City of Gearhart, Oregon

Romine Construction, LLC Romine Delineation | Wetland Delineation Report Ecological Land Services, Inc. June 2016



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NOAA Preliminary table for the month of March.



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DATE: 5/26/16 DWN: JM PRJ. MGR: ST PROJ.#: 1133.03

Additional Information Appendix D Romine Delineation Ray Romine Construction, LLC City of Gearhart, Oregon

Romine Construction, LLC Romine Delineation | Wetland Delineation Report

Ecological Land Services, Inc. June 2016



# Appendix E



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