Determination Report – No Wetlands or Other Waters



This form may be used to report on the results of an onsite determination for study areas two acres or less that contain **no wetlands or other waters** such as streams, drainages, or ponds. See below for additional eligibility criteria.

A fully completed and signed report form and <u>applicable fees</u> are required before report review timelines are initiated by the Department of State Lands.

Make checks payable to the Oregon Department of State Lands. To pay fees by credit card, go<u>online</u>. An electronical report submittal is preferred. A single PDF of the completed form and attachments may be e-mailed to:

Wetland_Delineation@dsl.state.or.us. For submittal of PDF files larger than 10MB, e-mail DSL instructions on how to access the file from your ftp or other file sharing website. For paper submittals and fee payments, submit to: Oregon Department of State Lands, 775 Summer Street NE, Suite 100, Salem, OR 97301-1279.

Directions: complete Sections 2 – 5 and submit with required attachments (Section 1).

Section 1. Eligibility and Requirements

Eligibility criteria:

- Study area is 2 acres or less.
- No wetlands or waters within the study area (including the ordinary high water line, highest measured tide, or pool elevation of a nearby water).
- No disturbance has occurred that may obscure wetland indicators or have affected the presence of wetlands or other waters.
- Not currently or recently managed as an agricultural site.
- The field investigation and form must be completed by a wetland professional.

Requirements:

- Wetland determinations must be conducted in accordance with the 1987 U.S. Army Corps of Engineers Wetlands
 Delineation Manual, including regional supplements and applicable guidance and any supporting technical guidance
 documents issued by the Department.
- Wetland determination data forms must be provided for all suspect areas, including but not limited to areas with mapped wetlands, hydric soils, wet signatures on aerials, low areas, and other areas likely to be wetland.
- Wetland determination map(s) must be at a scale suitable for the study area size and indicate the study area boundary in relation to the parcel boundaries. The map(s) must include numbered sample plots corresponding to data forms, areas of fill or grading or other major alterations, mapping method and estimated mapping precision statement (1 meter requirement) for the study area boundary and data plot points, a north arrow and scale bar, and photograph locations and direction of view.

Required Attachments (all attachments must be legible):

- Figure 1. Location Map (with outline of study area)
- Figure 2. Tax Lot Map (with outline of study area)
- Figure 3. Recent Aerial (with outline of study area)
- Figure 4. Wetland Determination Map(s) (see requirements section)
- · Figure 5. Ground level color photos
- Data Forms (meets data form requirements OAR141-090-0035(17))

Failure to meet eligibility criteria and/or requirements:

• Upon rejection of a report, an applicant, landowner, or agent may, with a \$100 fee, resubmit a determination report, if applicable, or submit a wetland delineation report.

Section 2. Contact and Authorization Information	Control of the Contro
☒ Applicant ☐ Owner Name, Firm and Address:	Business phone # (503) 956-2527
Jim Olson	Mobile phone # (optional)
12406 Waker Dr	E-mail: jnjolson888@gmail.com
Portland, OR 97229	· · · · · · · · · · · · · · · · · · ·
☐ Authorized Legal Agent, Name and Address (if different):	Business phone #
	Mobile phone # (optional) E-mail:
	E-IIIali.
I either own the property described below or I have legal authority to a property for the purpose of confirming the determination, after prior no	illow access to the property. I authorize the Department to access the triffication to the printary contact
Typed/Printed Name: JIM OLSON	Signature: Um
Date: 6/21/2021 Special instructions regarding site a	access:
Section 3. Project and Site Information	
Project Name: NE Lake Dr	Latitude: 44.973979° Longitude: -123.998044°
	Decimal Degree required. Provide centroid of site or start & end points of linear project
Proposed Use: Residential Development	Tax Map # 071111CD
•	Tax Lot(s) 3900
	Tax Map # Tax Lot(s)
Cita Street Address (or other descriptive legation):	Township 7S Range 11W Section 11 QQ SE/SV
Site Street Address (or other descriptive location): east of 1220 NE Lake Dr	Township 73 K Range TIW Cossen TI QQ 02.50
City: Lincoln City County: Lincoln	
Section 4. Additional Site Information (check applicable l	boxes)
☑ LWI or SWI shows wetlands or waters within the study area	
Wetland LWI ID code(s) DEL-14	study area. Approx. date(s)
☐ There are likely wetlands or waters within the tax lot(s)	★ tax lot(s). Approx. date(s) 01/01/1996
(outside the study area)	☐ Previous DSL action on tax lot(s)
	If known, previous DSL #
Section 5. Wetland Determination Information	
Primary Contact for determination review and site access is	☐ Consultant ☐ Applicant/Owner ☐ Authorized Agent
Wetland Consultant Name, Firm and Address:	Phone # (503) 678-6028 Mobile phone # (if applicable)
Kim Biafora	E-mail: kim@schottandassociates.com
Schott &Associates PO Box 589	E maii. Killie schottaridassociates.com
Aurora, OR 97002	
The information and conclusions are the attached documents and the attached documents are the attached documents.	uments are true and correct to the best of my knowledge.
Consultant Signature:	Date: 6/21/2021
Disclaimer: This report gradient gation, best professional betermination	essional judgment and conclusions of the investigator. It
risk unless it has been reviewed and approved in writing by the	Oregon Department of State Lands in accordance with
OAR 141-090-0005 through 141-090-0055.	Crogon Boparanon or Clare Land III decendance III.
Section 6. For Office Use Only	
DSL Reviewer: Date Fee Paid/_	/ DSL WD #
	ned: Electronic: DSL App.#



Data Source: ESRI, 2021; Lincoln County GIS Dept., 2021

Figure 1. Location Map



NE Lake Drive Project Site: S&A # 2877

2,000 Feet

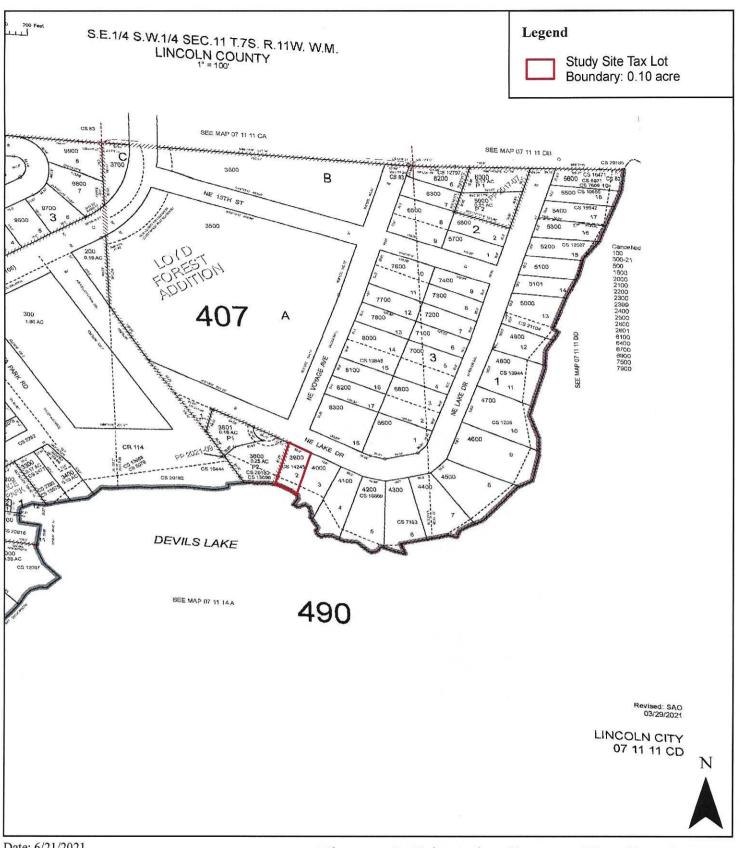
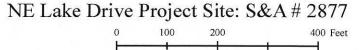


Figure 2. Lincoln County Tax Lot Map -07S11W11CD

Data Source: ESRI, 2021; Lincoln County GIS Dept., 2021







Data Source: ESRI, 2021; Lincoln County GIS Dept., 2021

Figure 3. Recent Aerial Imagery - July 4, 2019



NE Lake Drive Project Site: S&A # 2877



Data Source: ESRI, 2021; Lincoln County GIS Dept., 2021; DOGAMI, 2009

Figure 4. Wetland Determination Map



NE Lake Drive Project Site: S&A # 2877

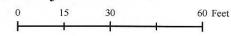




Photo Point 1. From the southern portion of the site facing northeast. Blackberry recently mown to provide site access.



Photo Point 1. From the southern portion of the site facing southeast toward offsite wetland and lake.

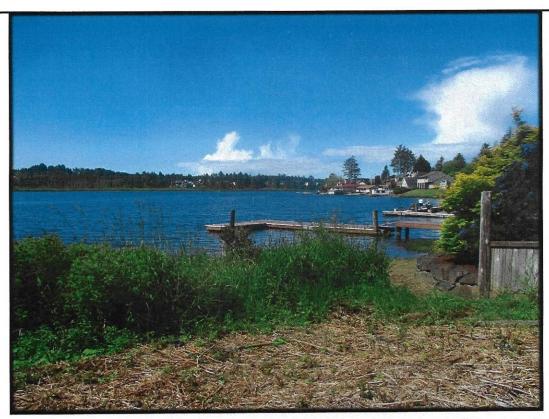


Photo Point 1. From the southern portion of the site facing southwest toward offsite wetland and lake.

FIGURE 5: GROUND LEVEL PHOTOGRAPHS NE Lake Drive Project Site S&A # 2877 Schott & Associates P.O. Box 589 Aurora, OR. 97002 503.678.6007

Applicant/Owner:	lim Oloon								
	JIII OISON						State: OR	Sampling Point:	1
Investigator(s):	K. Biafora			Section	n, Township	, Range:	S11, T7S, R11W		
Landform (hillslope	e, terrace, etc.):	terrace		_ Local re	lief (concav	e, convex	, none): none	Slop	e (%): <u>0-2</u>
Subregion (LRR):	Northwest Forests a	nd Coast (LRR A)	Lat:		44	.973883	Long:	-123.998036	Datum:
Soil Map Unit Nam	e: Fendall-Wine	ema silt loams					NWI Classification:	none	
Are climatic / hydro	ologic conditions on th	e site typical for t	his time of	year?	Yes_	X	No	(If no, explain in Re	emarks)
Are Vegetation	, Soil	, or Hydrology		significantly	disturbed?	Are "N	Iormal Circumstanc	es" Present? Yes	X_No
	, Soil						ded, explain any ar	swers in Remarks.)	
SUMMARY OF	FINDINGS - Atta	ach site map s	showing	sampling	point loca	ations, t	ransects, impo	rtant features, e	etc.
Hydrophytic Vegeta	ation Present?	Yes X No	r.		1011 10 10				
Hydric Soil Present	t?	Yes No	X	is the or	ampled Are a Wetland?		Yes	No X	40
and the same of th	Present?	YesNo		within a	a welland?			.0=11	-
VEC DESIGN	on recently mown to			vegetated d	ensely by H	imalayan	blackberry and End	ılish ivv	
VEGETATION									
			Absolute			Domina	nce Test workshe	et:	
Tree Stratum (Us	se scientific names.)		% Cover	Species?	Status?		of Dominant Speci		
1	AG					That Are	e OBL, FACW, or F.	AC:1	(A)
2		X					imber of Dominant		
3						Species	Across All Strata:	1	(B)
4							of Dominant Specie		
		Total Cover:	0			That Are	OBL, FACW, or F	AC:100%	(A/B)
Shrub Stratum 1. Rubus armenia	acus		100	Υ	_ FAC		nce Index Worksh tal % Cover of:		py:
2.						OBL spe	ecies	x1 = 0	
3.							species	x2 = 0	
4.						FAC spe	ecies	x3 = 0	
5						FACU s	pecies	x4 = 0	
		Total Cover:	100			UPL spe			
Herb Stratum						Column	Totals: 0	(A) <u>0</u>	(B)
1.					N 	Preval	lence Index = B/A =		
2					·	Special Section 1		Se W	
3						Hydrop	hytic Vegetation In		
4							The same of the sa	Hydrophytic Vegeta	tion
5						X	2 - Dominance Te		
6							3 - Prevalence Ind		
								Adaptation1 (Provid	
	<u> </u>				-	-		r on a separate she	et)
10							5 - Wetland Non-V		
10		7 8					Problematic Hydro	phytic Vegetation ¹ (Explain)
112		Total Cover:	0						
Woody Vine St	ratum	Total Cover.				¹ Indicate	ura of budria sail and	wetland hydrology	must
1.	<u>iatum</u>						ent, unless disturbed		must
2		77 (9				DO PICCO	me, amous alstarbot	or problemate.	
Z		Total Cover:				Hydropi			
% Por	e Ground in Herb Stra			atia Cauat	0	Vegetat		Vac V Na	
	ry mown to provide si		cover or BI	ouc Grust	0	Present	r	Yes X No	
US Army Corps of E								tains, Valleys and C	

-	-		
c	n	•	

200	50000 HARVE TAY		
Sampling	Point:		

Depth	Matrix		Re	dox Feat	ures			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-16	10 YR 3/3	100					CoGrLoam	
							13-	
Type: C=C	oncentration, D=De	pletion, RM=	Reduced Matrix,	CS=Cove	ered or Coa	ed Sand	Grains. ² Locat	ion: PL=Pore Lining, M=Matrix.
vdric Soil	Indicators: (Applie	cable to all	LRRs. unless oth	nerwise i	noted.)		Indicators for	Problematic Hydric Soils ³ :
Histoso	CONTRACTOR STATE OF THE STATE O			Redox (S				2 cm Muck (A10)
_	Epipedon (A2)			d Matrix (-	Red Parent Material (TF2)
	Histic (A3)				lineral (F1) (except l	MLRA 1)	Other (Explain in Remarks)
_	gen Sulfide (A4)			100	Matrix (F2)			
	ed Below Dark Surfa	ace (A11)	0.007	d Matrix				
_	ed Below Dark Surfa Dark Surface (A12)	200 (ATT)			face (F6)		3Indicato	rs of hydrophytic vegetation and
_	Muck Mineral (S1)				Surface (F7)			d hydrology must be present,
	gleyed Matrix (S4)				ions (F8)			ss disturbed or problematic.
	Layer (if present):			Depiessi	iona (i o)		dillo	oo dictarbod or problems.
	Layer (ii present).							
ype:						- 1		
						ا ا	dric Sail Proces	ot? Yes No
Depth (inche	es): ble and gravel mixe	d in soil				Ну	dric Soil Prese	nt? Yes No
Depth (inche	ble and gravel mixe	d in soil				Ну	dric Soil Prese	nt? Yes No
pepth (inchest) marks: cob	ble and gravel mixe					Ну	dric Soil Prese	
epth (inche narks: cob	ble and gravel mixe	:						Secondary Indicators (2 or more required
epth (inche narks: cob DROLOGY /etland Hy rimary India	ble and gravel mixe	:	Water-		_eaves (B9)			Secondary Indicators (2 or more required Water-Stained Leaves (B9) (MLRA 1, 2
epth (inche narks: cob PROLOGY etland Hy rimary India Surface	ble and gravel mixe drology Indicators cators (any one indicators	:	Water-	A 1, 2, 4	A and 4B)			Secondary Indicators (2 or more required Water-Stained Leaves (B9) (MLRA 1, 2 4A and 4B)
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DROLOGY Vetland Hy Primary Indi Surface High W Satura Water Sedime Drift De Algal M Iron De Surface Inunda Sparse Gurface Wat Vater table Saturation P includes ca	drology Indicators cators (any one indice e Water (A1) Vater Table (A2) tion (A3) Marks (B1) ent Deposits (B2) eposits (B3) Mat or Crust (B4) eposits (B5) e Soil Cracks (B6) tion Visible on Aeria ely Vegetated Conca vations: ter Present? Present? Ye present? Ye present? Ye present? Ye pillary fringe)	al Imagery (Bave Surface of the second secon	Water- MLR Salt Cr Aquatic Hydrog Oxidize Presen Recent Stuntec Other ((B8))	A 1, 2, 4. ust (B11) Inverteben Sulfid d Rhizos ce of Rec Iron Rec I or Stres Explain in in (inches in (inches in (inches	A and 4B) prates (B13) prates (B13) prates (B13) prates alor (C1) prepares alor duced Iron (duction in Places alor n Remarks) prates alor n Remarks)	g Living C4) owed So D1) (LR	Roots (C3)	Secondary Indicators (2 or more required 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) Frost-Heave Hummocks (D7)
DROLOGY Vetland Hy Primary Indi Surface High W Satura Water Sedime Drift De Algal M Iron De Surface Inunda Sparse Geld Obser Gurface Wat Vater table Saturation P includes ca	drology Indicators cators (any one indice e Water (A1) Vater Table (A2) tion (A3) Marks (B1) ent Deposits (B2) eposits (B3) Mat or Crust (B4) eposits (B5) e Soil Cracks (B6) tion Visible on Aeria ely Vegetated Conca vations: ter Present? Present? Ye Present? Ye Present?	al Imagery (Bave Surface of the second secon	Water- MLR Salt Cr Aquatic Hydrog Oxidize Presen Recent Stuntec Other ((B8))	A 1, 2, 4. ust (B11) Inverteben Sulfid d Rhizos ce of Rec Iron Rec I or Stres Explain in in (inches in (inches in (inches	A and 4B) prates (B13) prates (B13) prates (B13) prates alor (C1) prepares alor duced Iron (duction in Places alor n Remarks) prates alor n Remarks)	g Living C4) owed So D1) (LR	Roots (C3)	Secondary Indicators (2 or more required 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) Frost-Heave Hummocks (D7)
DROLOGY Vetland Hy Primary Indi Surface High W Satura Water Sedime Drift De Algal M Iron De Surface Inunda Sparse Geld Obser Gurface Wat Vater table Saturation P includes ca	drology Indicators cators (any one indice e Water (A1) Vater Table (A2) tion (A3) Marks (B1) ent Deposits (B2) eposits (B3) Mat or Crust (B4) eposits (B5) e Soil Cracks (B6) tion Visible on Aeria ely Vegetated Conca vations: ter Present? Present? Ye present? Ye present? Ye present? Ye pillary fringe)	al Imagery (Bave Surface of the second secon	Water- MLR Salt Cr Aquatic Hydrog Oxidize Presen Recent Stuntec Other ((B8))	A 1, 2, 4. ust (B11) Inverteben Sulfid d Rhizos ce of Rec Iron Rec I or Stres Explain in in (inches in (inches in (inches	A and 4B) prates (B13) prates (B13) prates (B13) prates alor (C1) prepares alor duced Iron (duction in Places alor n Remarks) prates alor n Remarks)	g Living C4) owed So D1) (LR	Roots (C3)	Secondary Indicators (2 or more required 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) Frost-Heave Hummocks (D7)

Project/Site: NE Lake Dr		City/County:	Lincoln Ci	ty/Lincoln Sampling Date: 6/8/202
Applicant/Owner: Jim Olson		ti bi voo		State: OR Sampling Point:
Investigator(s): K. Biafora		-	10	, Range: S11, T7S, R11W
Landform (hillslope, terrace, etc.): terrace				e, convex, none): none Slope (%): 0-2
Subregion (LRR): Northwest Forests and Coast (LRR A	<u>)</u> Lat:			44.9739 Long:123.99814 Datum:
Soil Map Unit Name: Fendall-Winema silt loams				NWI Classification: none
Are climatic / hydrologic conditions on the site typical for				
Are Vegetation, Soil, or Hydrology		significantly	disturbed?	Are "Normal Circumstances" Present? Yes X No
Are Vegetation, Soil, or Hydrology		naturally pro	oblematic?	(If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map	showing	sampling	point loc	ations, transects, important features, etc.
Hydrophytic Vegetation Present? YesNo	oX	Is the Sa	ampled Are	a
Hydric Soil Present? YesNo			a Wetland?	
Wetland Hydrology Present? YesNo Remarks: Vegetation recently mown to provide site access		6		
VEGETATION				
Tree Stratum (Use scientific names.)	Absolute % Cover	Dominant Species?	Indicator Status?	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
1	-	-		Total Number of Dominant
2 3.		-		Species Across All Strata: 3 (B)
3			-	Percent of Dominant Species
Total Cover	. 0			That Are OBL, FACW, or FAC:33%(A/B)
		%.		
Shrub Stratum				Prevalence Index Worksheet:
Rubus armeniacus	50	Y	FAC	Total % Cover of: Multiply by:
2.				OBL speciesx1 =0
3				FACW speciesx2 =0
4	(-		FAC species x3 = 0
5Total Cover:	50			FACU species x4 = 0 UPL species
Herb Stratum				Column Totals: 0 (A) 0 (B)
Anthoxanthum odoratum	30	Y	FACU	Prevalence Index = B/A =
Phalaris arundinacea	10		FACW	
Convolvulus arvensis	10		NOL	Hydrophytic Vegetation Indicators:
4.				1 - Rapid Test for Hydrophytic Vegetation
5	(2 - Dominance Test is >50%
6				3 - Prevalence Index is ≤3.0 ¹
7	7		-	4 - Morphological Adaptation1 (Provide supporting
8	3			data in Remarks or on a separate sheet)
9 10.				5 - Wetland Non-Vascular Plants ¹ Problematic Hydrophytic Vegetation ¹ (Explain)
10 11.		-		Troblemade Trydrophydd Yegeladion (Explain)
Total Cover:	50			
Woody Vine Stratum	17			¹ Indicators of hydric soil and wetland hydrology must
1. Hedera helix	20	Υ	FACU	be present, unless disturbed or problematic.
2.	×			Hydrophytic
Total Cover: % Bare Ground in Herb Stratum %	20 Cover of Bi	otic Crust	0	Vegetation Present? Yes No X
Remarks: Blackberry mown to provide site access				m consequent costs of the costs
US Army Corps of Engineers				Western Mountains, Valleys and Coast - Version 2.

~	- line	Point:	
Sam	DIIIIO	PUINI.	

2

Profile Des	scription: (Describe	to the dept	h needed to doc	ument th	ne indicator	or con	firm the absence	of indicators.)			
Depth	Matrix		Re	dox Feat	ures						
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remarks		
0-7	10 YR 3/3	100					LS				
7-16	10 YR 3/4	100					LS				
	·)							1			
				-				-			
	. 10										
							1 A.	-			
-											
¹ Type: C=	Concentration, D=Dep	letion, RM=	Reduced Matrix,	CS=Cove	ered or Coate	d Sand	d Grains. ² Location	on: PL=Pore Linin	g, M=Matrix.		
Hydric So	il Indicators: (Applic	able to all I	RRs. unless oth	erwise i	noted.)		Indicators for	Problematic Hyd	ric Soils ³ :		
ASS 2450	sol (A1)	ubio to un i		Redox (S				2 cm Muck (A10)			
	Epipedon (A2)			d Matrix (Red Parent Mate			
	Histic (A3)				ineral (F1) (e	rcent	MI RA 1)	Other (Explain in			
	ogen Sulfide (A4)				Matrix (F2)	roopt	——	Other (Explain in	r tomanto,		
	eted Below Dark Surfa	co (Δ11)		d Matrix							
	Dark Surface (A12)	CE (ATT)			face (F6)		3Indicator	s of hydrophytic ve	egetation and		
-	y Muck Mineral (S1)				Surface (F7)			hydrology must b			
	y gleyed Matrix (S4)			Depressi				s disturbed or prol			
	E Layer (if present):			-	(, 0)	Т		•			
	Layer (ii present).										
Type: Depth (incl	Jee).					l H	dric Soil Present	t? Ye	es	No	Χ
Remarks:	100).		_				/			50000001h	
HYDROLOG	Y										
	ydrology Indicators:										
	dicators (any one indic		cient)					Secondary Indicat	ors (2 or more	e require	ed)
	ce Water (A1)			Stained L	eaves (B9) (xcept		Water-Stained Lo	eaves (B9) (N	ILRA 1,	2,
	Water Table (A2)		MLR	A 1, 2, 4	A and 4B)			4A and 4B)			
Satur	ation (A3)		Salt Cru	ıst (B11)				Drainage Pattern	is (B10)		
Wate	r Marks (B1)		Aquatic	Inverteb	rates (B13)			Dry-Season Wat	er Table (C2)		
Sedin	nent Deposits (B2)				e Odor (C1)			Saturation Visible		agery (C	C9)
	Deposits (B3)		Oxidize	d Rhizos	pheres along	Living	Roots (C3)	Geomorphic Pos	ition (D2)		
_	Mat or Crust (B4)		Present	ce of Rec	duced Iron (C	4)		Shallow Aquitard	(D3)		
	Deposits (B5)		Recent	Iron Red	uction in Plov	ved Sc	oils (C6)	FAC-Neutral Tes	t (D5)		
Surfa	ce Soil Cracks (B6)		Stunted	or Stres	sed Plants (D	1) (LF	RR A)	Raised Ant Mour	nds (D6) (LRF	(A S	
Inund	ation Visible on Aerial	Imagery (B	7) Other (8	Explain in	Remarks)			Frost-Heave Hur	nmocks (D7)		
Spars	sely Vegetated Concav	e Surface (B8)								
Field Obse		100		762 60 0							
	ater Present? Yes			(inches		_					
Water table Saturation				(inches)		-	Wetland Hydrol	logy Present?	Yes	No	Х
	apillary fringe)			. (_	,	-3,			
	corded Data (stream ga	auge, monit	oring well, aerial p	hotos, p	revious inspe	ctions)), if available:				
Remarks:											
i tomants.											

Project/Site:	NE Lake Dr			City/County:	Lincoln Cit	y/Lincoln		Sampling I	Date:	6/8/2021
Applicant/Owner:	Jim Olson						State: OR	Sampling	Point:	3
TO ALCOHOLA ELECTRONISTE DA SOLVA EL CAS.	K. Biafora			Section	n, Township	Range:	S11, T7S, R11W			2000
	terrace, etc.):	terrace		Local re	lief (concave	e, convex	, none): none		_Slope (%):	0-2
Subregion (LRR):	Northwest Forests a	nd Coast (LRR A)	Lat:				Long:			:
Soil Map Unit Name		The state of the s					NWI Classification:			
Are climatic / hydrol	logic conditions on th	e site typical for the	nis time of	year?	Yes	Х	No	(If no, explain	n in Remarks	s)
	, Soil						Iormal Circumstanc	es" Present?	Yes X	No
Are Vegetation	, Soil	or Hydrology		naturally pro	oblematic?	(If nee	eded, explain any ar	nswers in Rem	arks.)	
	FINDINGS - Atta					8				
Hydrophytic Vegeta	ation Present?	Yes X No								
Hydric Soil Present		Yes No		15 1116 36	ampled Are		Yes	No X		
Wetland Hydrology		YesNo	×	within	a Wetland?		-	-/*****		
poetros de la constante de la	on recently mown to			· · · · · · · · · · · · · · · · · · ·	longoly by H	imalayan	blackborn, and Eng	alieh ivv		
VEGETATION			Absolute	Dominant	Indiantor	Domina	nce Test workshe	ot·		
Troo Stratum (Us	e scientific names.)		% Cover		Status?		of Dominant Speci			
1. Alnus rubra	e scientific flames.)		40	Y	FAC	That Are	e OBL, FACW, or F	AC:	2	(A)
						Total Nu	umber of Dominant			_ ` '
_						100000000000000000000000000000000000000	Across All Strata:		2	(B)
1						Porcont	of Dominant Speci			
7.		Total Cover:	40				e OBL, FACW, or F		100%	(A/B)
		, otal oo vol.								
Shrub Stratum						Prevale	nce Index Worksh	eet:		
Rubus armenia	icus		100	Υ	FAC	То	tal % Cover of:	Mu	Itiply by:	_
2.						OBL sp	ecies	x1 =	0	_
3.							species		0	_
						FAC sp	ecies	x3 =	0	_
5.						FACU s	pecies		0	_
		Total Cover:	100			UPL spe	ecies	_x5 =		
Herb Stratum						Column	Totals:0	(A)	0	_(B)
1						Preva	lence Index = B/A =			_
2										
3.						Hydrop	hytic Vegetation Ir			
4							1 - Rapid Test for		egetation	
5						<u>x</u>	2 - Dominance Te			
6				×			3 - Prevalence Inc			
7							4 - Morphological			porting
8							data in Remarks of			
1,000							5 - Wetland Non-\			r v
123,53(3)							Problematic Hydro	opnytic Vegeta	ition (Explai	in)
11		T-1-1-0								
Mr 1 . 1		Total Cover:	0			11	ors of hydric soil and	d wattand b	rologu w.:-t	
Woody Vine St							ors of hydric soil and ent, unless disturbe			
•							The second secon	a or problema		
2.						Hydrop				
0/ D	o Ground in Link Ct	Total Cover:		intic Crust	0	Vegetat Present		Vos Y	No	
	e Ground in Herb Str		Cover of B	ouc Crust	0	Fresen	LF	Yes X		
remarks: Blackber	ry mown to provide s	access								
US Army Corps of E	Engineers				-		Western Mour	ntains. Vallevs	and Coast -	Version 2.0

							Sampling Point:	
Profile Des	scription: (Describe	to the dep	oth needed to do	cument the indicat	or or con	firm the absenc	e of indicators.)	
Depth	Matrix		Re	edox Features				
(inches)	Color (moist)	%	Color (moist)	% Type ¹	Loc ²	Texture	Remark	KS .
0-16	10 YR 4/6	100				SCL	30% rock fragments	
						2.1		
						20 **		
							-	
						2		
							_	
					10		-	
¹ Type: C=	Concentration, D=Dep	oletion, RM	=Reduced Matrix,	CS=Covered or Co	ated San	d Grains. ² Locat	tion: PL=Pore Lining, M=Mat	trix.
			1 DD 1			In disators for	r Problematic Hydric Soils ³	
	il Indicators: (Applic	cable to all		Redox (S5)		indicators for	2 cm Muck (A10)	•
	sol (A1) : Epipedon (A2)		1	ed Matrix (S6)		-	Red Parent Material (TF2)	
	Histic (A3)			Mucky Mineral (F1)	(except	MLRA 1)	Other (Explain in Remarks	
	ogen Sulfide (A4)			Gleyed Matrix (F2)				
	eted Below Dark Surfa	ice (A11)	Deplet	ed Matrix (F3)				
Thick	Dark Surface (A12)		Redox	Dark Surface (F6)		³ Indicato	ers of hydrophytic vegetation a	and
Sand	y Muck Mineral (S1)		Deplet	ed Dark Surface (F	7)		nd hydrology must be present	t,
Sand	y gleyed Matrix (S4)		Redox	Depressions (F8)		unle	ss disturbed or problematic.	
	- 1 (if).							
Restrictive	e Layer (if present):							
Type:						udria Sail Brasa	nt? Vos	No. Y
Type: Depth (incl	hes):	a : 11	_		Ну	ydric Soil Prese	nt? Yes	NoX
Type: Depth (incl		d in soil	=		Ну	ydric Soil Prese	nt? Yes	NoX
Type: Depth (incl	hes):	d in soil			ну	ydric Soil Prese	nt? Yes	NoX
Type: Depth (incl	hes):	d in soil			Ну	ydric Soil Prese	nt? Yes	NoX
Type: Depth (incl	hes):	d in soil			Ну	ydric Soil Prese	nt? Yes	NoX
Type: Depth (incl	hes):obble and gravel mixed	d in soil			Hy	ydric Soil Prese	nt? Yes	NoX
Type: Depth (incl emarks: co	hes):				Ну	ydric Soil Prese		
Type: Depth (incl emarks: co YDROLOG Wetland H Primary Inc	hes):			Othinad Laguage (DC			Secondary Indicators (2 or	more required)
Type:	hes):		Water-	-Stained Leaves (BS) (except		Secondary Indicators (2 or Water-Stained Leaves (BS	more required)
Type:	hes):		Water-	RA 1, 2, 4A and 4B)) (except		Secondary Indicators (2 or Water-Stained Leaves (BS 4A and 4B)	more required)
Type:	hes):		Water- MLF Salt Cr	RA 1, 2, 4A and 4B) rust (B11)) (except		Secondary Indicators (2 or Water-Stained Leaves (BS 4A and 4B) Drainage Patterns (B10)	more required)
Type:	hes):		Water- MLF Salt Cr Aquati	RA 1, 2, 4A and 4B) rust (B11) c Invertebrates (B13	e) (except		Secondary Indicators (2 or 1) Water-Stained Leaves (BS 4A and 4B) Drainage Patterns (B10) Dry-Season Water Table (more required) (MLRA 1, 2,
YDROLOG Wetland F Primary Inc Surfa High Satur Wate Sedir	hes):		Water- MLF Salt Ci Aquati Hydrog	RA 1, 2, 4A and 4B) rust (B11) c Invertebrates (B13) gen Sulfide Odor (C	e) (except		Secondary Indicators (2 or Water-Stained Leaves (BS 4A and 4B) Drainage Patterns (B10) Dry-Season Water Table (Saturation Visible on Aeria	more required) 9) (MLRA 1, 2, (C2) al Imagery (C9)
YDROLOG Wetland H Primary Inc Satur Wate Sedir Drift	hes):		Water- MLF Salt Cr Aquati Hydrog Oxidize	RA 1, 2, 4A and 4B) rust (B11) c Invertebrates (B13 gen Sulfide Odor (C ged Rhizospheres ald	(except		Secondary Indicators (2 or Water-Stained Leaves (BS 4A and 4B) Drainage Patterns (B10) Dry-Season Water Table (Saturation Visible on Aeria Geomorphic Position (D2)	more required) 9) (MLRA 1, 2, (C2) al Imagery (C9)
YDROLOG Wetland H Primary Inc Surfa High Satur Wate Sedir Algal	hes):		Water- MLF Salt Cr Aquati Hydrog Oxidize Preser	RA 1, 2, 4A and 4B; rust (B11) c Invertebrates (B13 gen Sulfide Odor (C ed Rhizospheres ald nce of Reduced Iron	(C4)	t	Secondary Indicators (2 or Water-Stained Leaves (BS 4A and 4B) Drainage Patterns (B10) Dry-Season Water Table (Saturation Visible on Aeria	more required) 9) (MLRA 1, 2, (C2) al Imagery (C9)
YDROLOG Wetland F Primary Inc Surfa High Satur Wate Sedir Drift I Algal	hes):		Water- MLF Salt Cr Aquatir Hydrog Oxidize Preser Recen	RA 1, 2, 4A and 4B; rust (B11) c Invertebrates (B13 gen Sulfide Odor (C ed Rhizospheres ald noce of Reduced Iron t Iron Reduction in F	(C4)	g Roots (C3)	Secondary Indicators (2 or 1) Water-Stained Leaves (BS 4A and 4B) Drainage Patterns (B10) Dry-Season Water Table (Saturation Visible on Aeria Geomorphic Position (D2) Shallow Aquitard (D3)	more required) 9) (MLRA 1, 2, (C2) al Imagery (C9)
YDROLOG Wetland H Primary Ind Satur Wate Sedir Algal Iron I Surfa	hes):	: cator is suf	Water- MLF Salt Cr Aquatic Hydrog Oxidize Preser Recen Stunte	RA 1, 2, 4A and 4B; rust (B11) c Invertebrates (B13 gen Sulfide Odor (C ed Rhizospheres ald noce of Reduced Iron t Iron Reduction in F d or Stressed Plants	(C4) Plowed So	g Roots (C3)	Secondary Indicators (2 or Water-Stained Leaves (BS 4A and 4B) Drainage Patterns (B10) Dry-Season Water Table (Saturation Visible on Aeria Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)	more required) (MLRA 1, 2, (C2) (C2) (Imagery (C9)
YDROLOG Wetland F Primary Ind Surfa High Satur Wate Sedir Algal Iron I Surfa	hes):	: cator is suf	Water- MLF Salt Cr Aquatir Hydrog Oxidize Preser Recen Stunte	RA 1, 2, 4A and 4B; rust (B11) c Invertebrates (B13 gen Sulfide Odor (C ed Rhizospheres ald noce of Reduced Iron t Iron Reduction in F	(C4) Plowed So	g Roots (C3)	Secondary Indicators (2 or Water-Stained Leaves (BS 4A and 4B) Drainage Patterns (B10) Dry-Season Water Table (Saturation Visible on Aeria Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (more required) (MLRA 1, 2, (C2) (C2) (Imagery (C9)
YDROLOG Wetland F Primary Inc Satur Wate Sedir Algal Iron I Surfa	hes):	: cator is suf	Water- MLF Salt Cr Aquatir Hydrog Oxidize Preser Recen Stunte	RA 1, 2, 4A and 4B; rust (B11) c Invertebrates (B13 gen Sulfide Odor (C ed Rhizospheres ald noce of Reduced Iron t Iron Reduction in F d or Stressed Plants	(C4) Plowed So	g Roots (C3)	Secondary Indicators (2 or Water-Stained Leaves (BS 4A and 4B) Drainage Patterns (B10) Dry-Season Water Table (Saturation Visible on Aeria Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (more required) (MLRA 1, 2, (C2) (C2) (Imagery (C9)
Type: Depth (incl emarks: co YDROLOG Wetland F Primary Inc Surfa High Satur Wate Sedir Drift I Algal Iron I Surfa Inunc Spars Field Obse Surface W	hes):	: cator is suf I Imagery (ve Surface	Water- MLF	RA 1, 2, 4A and 4B; rust (B11) c Invertebrates (B13 gen Sulfide Odor (C ed Rhizospheres ald noce of Reduced Iron t Iron Reduction in F d or Stressed Plants	(C4) Plowed So	g Roots (C3)	Secondary Indicators (2 or Water-Stained Leaves (BS 4A and 4B) Drainage Patterns (B10) Dry-Season Water Table (Saturation Visible on Aeria Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (more required) (MLRA 1, 2, (C2) (C2) (Imagery (C9)

US Army Corps of Engineers

(includes capillary fringe)

Remarks:

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

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Project/Site:	e: NE Lake Dr				City/County: Lincoln City/Lincoln					
Applicant/Owner:	Jim Olson				W		State: OR	_ Sampling I	Point:	4
Investigator(s):	K. Biafora				n, Township	, Range:	S11, T7S, R11W			
	e, terrace, etc.):						, none): none): 0-2
	Northwest Forests a	and Coast (LRR A	<u>)</u> Lat:				Long:	-123.997921	Datur	m:
Soil Map Unit Nam		ema silt loams					NWI Classification:	-		
	ologic conditions on t							Dones - September 1000 September 100		
Are Vegetation	, Soil						Iormal Circumstanc	es" Present?	Yes X	No
Are Vegetation	, Soil	, or Hydrology		naturally pr	oblematic?	(If nee	ded, explain any ar	nswers in Rem	arks.)	
SUMMARY OF	FINDINGS - Att	ach site map	showing	sampling	point loc	ations, t	ransects, impo	rtant featur	es, etc.	
Hydrophytic Veget	ation Present?	Yes No	x		100 10000					
Hydric Soil Presen		YesNo		15 1116 3	ampled Are a Wetland?		Yes	No X		
Wetland Hydrology	Present?	Yes No		Within	a wellanu?				-	
	on recently mown to			vegetated c	lensely by F	limalavan	blackberry and End	alish ivv		
VEGETATION				•						
Tree Stratum (Us	se scientific names.)		Absolute % Cover	Dominant Species?			nce Test workshe of Dominant Speci			
			70	Y	FAC	That Are	OBL, FACW, or F	AC:	1	(A)
						Total Nu	mber of Dominant			
2						Species	Across All Strata:	-	2	(B)
4				·		Percent	of Dominant Specie	es		
300		Total Cover:	70			That Are	OBL, FACW, or F	AC:	50%	(A/B)
Shrub Stratum 1.						N. 1/25/25 STREET	nce Index Worksh al % Cover of:		tiply by:	
1 Mar 1							ecies		0	
_			204				pecies		0	1 1
4.						FAC spe	ecies	x3 =	0	
5						FACU sp	oecies	x4 =	0	
		Total Cover:	0			UPL spe		_x5 =	0	
Herb Stratum							Totals: 0		0	(B)
1						Preval	ence Index = B/A =			
2. 3.					0.0	1111				
				-	(Hydropi	nytic Vegetation In 1 - Rapid Test for		actation	
5.						-	2 - Dominance Tes		egetation	
		////			-		3 - Prevalence Ind			
7				-			4 - Morphological		rovide sun	norting
0		70					data in Remarks o			porting
^							5 - Wetland Non-V			
				·			Problematic Hydro	phytic Vegetat	ion ¹ (Expla	ain)
11		X S								
		Total Cover:	0							
Woody Vine St	ratum						rs of hydric soil and	경기교육 선생님의 보기를 가게 되었다.		
1. <u>Hedera helix</u>			100	Y	FACU	pe prese	nt, unless disturbed	or problemati	C.	
2% Ran	e Ground in Herb Str	Total Cover:	100000000000000000000000000000000000000	atia Cruat		Hydroph Vegetati Present	on	Van	NE	v
Remarks:	5 Stourid III Helb Oll		COVOI OI DI	olio Orust		i resent		Yes	No	<u>x</u>
US Army Corps of I	Engineers						Western Moun	tains, Valleys a	and Coast	- Version 2.0

	cription: (Describe	to the dep	oth needed to doo	ument the in	dicator	or conf	firm the abse	nce of indica	ators.)		
epth	Matrix		Re	dox Features							
nches)	Color (moist)	%	Color (moist)	% T	ype ¹	Loc ²	Texture		Remark	S	
0-12	10 YR 3/4	100					SL				
			·								
	7										
	·										_
						_					_
Type: C=C	Concentration, D=Dep	oletion, RM	=Reduced Matrix,	CS=Covered	or Coate	ed Sand	Grains. ² Loc	cation: PL=P	ore Lining, M=Mat	rix.	_
	Indicators: (Applic								atic Hydric Soils ³ :		
	ol (A1)	able to all		Redox (S5)	u.,		maioatoro i		ick (A10)		
	Epipedon (A2)		Stripped Matrix (S6)				Red Parent Material (TF2)				
	Histic (A3)			Mucky Minera		xcept l	MLRA 1)		xplain in Remarks)	
_	gen Sulfide (A4)			Gleyed Matrix			_			•	
	ted Below Dark Surfa	ce (A11)		ed Matrix (F3)							
_	Dark Surface (A12)			Dark Surface			³ Indica	tors of hydro	phytic vegetation a	and	
_	Muck Mineral (S1)		Depleted Dark Surface (F7)				wetland hydrology must be present,				
	gleyed Matrix (S4)		Redox Depressions (F8)						d or problematic.		
	Layer (if present):				<u> </u>	\top					
ype:	shovel refusal	- roots									
epth (inch		2					CHARLEST MARK THE CORNER OF THE	_			
						Hy	dric Soil Pres	sent?	Yes	_ No_	_
marks:						Hy	dric Soil Pres	sent?	Yes	No _	
DROLOG` /etland Hy rimary Ind Surfac High V	ydrology Indicators: icators (any one indic ce Water (A1) Vater Table (A2)		Water-	Stained Leave	, , ,			Secondal Water-S	y Indicators (2 or r tained Leaves (B9 nd 4B)	more requi	rec
DROLOG` Vetland Hy rimary Ind Surfac High V	ydrology Indicators: icators (any one indic ce Water (A1) Vater Table (A2) ation (A3)		Water- MLR Salt Cr	t A 1, 2, 4A an ust (B11)	d 4B)			Secondal Water-S 4A a	y Indicators (2 or retained Leaves (B9 nd 4B)	more requi	re
DROLOG' Vetland Hyrimary Ind Surfac High V Satura Water	ydrology Indicators: icators (any one indic be Water (A1) Water Table (A2) ation (A3) Marks (B1)		Water- MLR Salt Cr Aquatic	A 1, 2, 4A anust (B11) Invertebrates	nd 4B)			Secondal Water-S 4A a Drainag	y Indicators (2 or r tained Leaves (B9 n d 4B) e Patterns (B10) son Water Table (more requi) (MLRA 1 C2)	re I,
DROLOG' Vetland Hy rimary Ind Surfac High V Satura Water Sedim	ydrology Indicators: icators (any one indic be Water (A1) Water Table (A2) ation (A3) Marks (B1) ient Deposits (B2)		Water- MLR Salt Cr Aquatio	A 1, 2, 4A anust (B11) Invertebrates en Sulfide Oc	nd 4B) s (B13) dor (C1)	except	-	Secondar Water-S 4A a Drainag Dry-Sea Saturatio	y Indicators (2 or r tained Leaves (B9 nd 4B) e Patterns (B10) son Water Table (on Visible on Aeria	more requi) (MLRA 1 C2)	re I,
DROLOG` Vetland Hy rimary Ind Surfac High V Satura Water Sedim Drift D	ydrology Indicators: icators (any one indicators (any one indicate Water (A1) Water Table (A2) ation (A3) Marks (B1) Hent Deposits (B2) Reposits (B3)		Water MLR Salt Cr Aquatic Hydrog Oxidize	A 1, 2, 4A an ust (B11) Invertebrates en Sulfide Oc ed Rhizospher	s (B13) dor (C1) res along	except g Living	-	Secondal Water-S 4A a Drainag Dry-Sea Saturati Geomor	y Indicators (2 or retained Leaves (B9 nd 4B) e Patterns (B10) son Water Table (on Visible on Aeria	more requi) (MLRA 1 C2)	re I,
DROLOG` Vetland Hy rimary Ind Surface High V Satura Water Sedim Drift D Algal I	ydrology Indicators: icators (any one indic the Water (A1) Vater Table (A2) ation (A3) Marks (B1) thent Deposits (B2) deposits (B3) Wat or Crust (B4)		Water MLR Salt Cr Aquatic Hydrog Oxidize	A 1, 2, 4A an ust (B11) Invertebrates en Sulfide Oced Rhizospher ce of Reduce	nd 4B) s (B13) dor (C1) res along d Iron (C	except 3 Living		Secondal Water-S 4A a Drainag Dry-Sea Saturatic Geomor Shallow	y Indicators (2 or ratained Leaves (B9 nd 4B) e Patterns (B10) son Water Table (con Visible on Aeria phic Position (D2) Aquitard (D3)	more requi) (MLRA 1 C2)	re I,
DROLOGY Vetland Hy rimary Ind Surface High V Satura Water Sedim Drift D Algal I	ydrology Indicators: icators (any one indicators (any one indicators (any one indicators)). Water Table (A2) ation (A3) Marks (B1) went Deposits (B2) deposits (B3) Mat or Crust (B4) deposits (B5)		Water MLR Salt Cr Aquatic Hydrog Oxidize Presen Recent	A 1, 2, 4A an ust (B11) Invertebrates en Sulfide Octobro Reduce Iron Reduction	nd 4B) s (B13) dor (C1) res along d Iron (Con in Plo	except 3 Living C4) wed So	Roots (C3)	Secondal Water-S 4A a Drainage Dry-Sea Saturatie Geomor Shallow FAC-Ne	y Indicators (2 or ratained Leaves (B9 nd 4B) e Patterns (B10) son Water Table (con Visible on Aeria phic Position (D2) Aquitard (D3) utral Test (D5)	more requii) (MLRA 1 C2) I Imagery (re I,
DROLOG` Vetland Hyrimary Ind Surface High V Satura Water Sedim Drift D Algal I Iron D Surface	ydrology Indicators: icators (any one indicators (any one indicators (any one indicators) water Table (A2) ation (A3) Marks (B1) ment Deposits (B2) meposits (B3) Mat or Crust (B4) meposits (B5) water Soil Cracks (B6)	ator is suff	Water MLR Salt Cr Aquatio Hydrog Oxidize Presen Recent Stunted	A 1, 2, 4A an ust (B11) Invertebrates en Sulfide Oct Rhizospher ce of Reduce Iron Reductid or Stressed	s (B13) dor (C1) res along d Iron (C on in Plo	except 3 Living C4) wed So	Roots (C3)	Secondal Water-S 4A a Drainage Dry-Sea Saturatie Geomor Shallow FAC-Ne Raised	y Indicators (2 or retained Leaves (B9 nd 4B) e Patterns (B10) son Water Table (or Visible on Aeria phic Position (D2) Aquitard (D3) utral Test (D5) Ant Mounds (D6) (I	more requii) (MLRA 1 C2) I Imagery (re I,
DROLOG` Vetland Hyrimary Ind Surfact High V Satura Water Sedim Drift D Algal I Iron D Surfact Inunda	ydrology Indicators: icators (any one indic the Water (A1) Vater Table (A2) ation (A3) Marks (B1) thent Deposits (B2) theposits (B3) Mat or Crust (B4) the posits (B5)	ator is suff	Water- MLR Salt Cr Aquation Hydrog Oxidize Presen Recent Stunted B7) Water-	A 1, 2, 4A an ust (B11) Invertebrates en Sulfide Octobro Reduce Iron Reduction	s (B13) dor (C1) res along d Iron (C on in Plo	except 3 Living C4) wed So	Roots (C3)	Secondal Water-S 4A a Drainage Dry-Sea Saturatie Geomor Shallow FAC-Ne Raised	y Indicators (2 or ratained Leaves (B9 nd 4B) e Patterns (B10) son Water Table (con Visible on Aeria phic Position (D2) Aquitard (D3) utral Test (D5)	more requii) (MLRA 1 C2) I Imagery (red I, 2