



SUPPLEMENTAL APPLICATION

SINGLE-FAMILY WETLAND CERTIFICATION

Kitsap County Code is available online at <http://www.codepublishing.com/wa/kitsapcounty/>
Click on Title 19 Critical Area Ordinance, Chapter 200

Applicant Name: Jason and Ashley Hedstrom Assessor Tax Parcel #: 122601-4-033-2004

Project Name: Lincoln Road Property

Department of Community Development
Accepted by: _____

Kitsap County Health District
Date: _____

1. This Certification shall only be used if all proposed regulated activities are outside of any wetland and wetland buffer.
2. If regulated wetland buffers extend onto the site, the wetland specialist shall place permanent, clearly visible, wetland buffer signs at the edge of the buffer.
3. A survey will not be required.
4. This Certification is only to be used to authorize single-family dwellings and associated home site features such as additions, driveways, gardens, fences, wells, lawns, and on-site septic systems.
5. The department will monitor the single-family certification process for accuracy and enforcement actions will be initiated should encroachment into a regulated wetland or buffer occur.
6. The applicant or property owner assumes responsibility for any and all errors of the single-family certification form and all associated mitigation imposed by the department.
7. Single-family certification forms shall be filed with the Kitsap County Auditor's Office.

Title 19.200.215 (C) Kitsap County Code

Certification Requirements

A site plan, signed and dated by a Wetland Specialist, shall be drawn to scale of not less than 1": 100', for example, use a scale of 1": 100', 1": 30'. Please include a bar scale on your plan.

The site plan must clearly show property lines, existing and proposed improvements, clearing limits, and any wetlands, streams and their buffers on-site or within 250 feet of the proposal. Submit one original and one copy for department review.

If any regulated wetland buffers are present on site, a Wetland Specialist must place permanent, clearly visible, wetland buffer signs at the edge of the wetland buffer. Signs are available upon request from the Department of Community Development.

An Affidavit of Buffer Posting, signed by a Wetland Specialist, must be submitted along with the Certification form. Prior to its submittal, the completed certification form must be recorded at the Kitsap County Auditor's Office in accordance with Sections 19.100.150.

1. Property Owner Jason and Ashley Hedstrom
 Address PO Box 573
 City Poulsbo State WA Zip 98370 Phone 360-509-8795

2. Wetland Specialist Joanne Bartlett
 Company Name Ecological Land Services, Inc.
 Address 1157 3rd Avenue, Suite 220A
 City Longview State WA Zip 98632 Phone 360-578-1371
 Date Of Site Review May 31, 2019

3. Location Of Project Lincoln Road
 Legal Description Sec. 12 Township 26 Range 1 E. WM
 Property Owner Jason and Ashley Hedstrom
 Address PO Box 573
 City Poulsbo State WA Zip 98370 Phone 360-509-8795
 Tax Parcel Number 122601-4-033-2004
 Size Of Property 0.83 acres

Provide directions to the property from a major roadway:

From State Highway 305 and head east on Lincoln Road and through the traffic circle at Noll Road.

The property is about 700 feet east of the traffic circle and is situated between 3042 NE Lincoln Road and 3078 NE Lincoln Road. It lies just east of the driveway at 3042 NE Lincoln Road.

4. Project Description:
 List all proposed regulated activities:
Construction of single-family home, driveway, and drainfield. A hydric soil is mapped across the north end of the property. Data was collected in the mapped area and wetland conditions were not recorded.
Data forms documenting the non-wetland conditions are attached with this form.

5. Wetland Buffer Calculation (Title 19.200.220 KCC)

Category N/A Base Buffer N/A
 Habitat Score N/A Water Quality Improvement Score _____
 Other Wetland Characteristics:

Buffer width adjustment to base buffer (+/-) _____ Final buffer width _____

AFFIDAVIT OF BUFFER POSTING**CERTIFICATION:**

I, Joanne Bartlett of Ecological Land Services, Inc.
 (Wetland Specialist) (Company)


hereby certify that no jurisdictional wetland is located within 250 feet of any proposed regulated activity associated with this single-family development, as indicated on the attached site plan and as submitted as part of the building permit or Kitsap County Health District application for the above-referenced property.

OR

I, _____ of _____
 (Wetland Specialist) (Company)

hereby certify that a jurisdictional wetland is present within the 250 feet of a proposed regulated activity associated with this single-family development, as indicated on the attached site plan and as submitted as part of the building permit or Kitsap County Health Department application for the above-referenced property. The wetland is a Category _____ wetland as determined using the Department of Ecology Rating Form (Pub. 04-06-025). I also certify that all proposed regulated activities will be outside of the wetland, the required _____ foot buffer, and 15-foot building setback, as indicated on the enclosed site plan.

ACCEPTANCE:

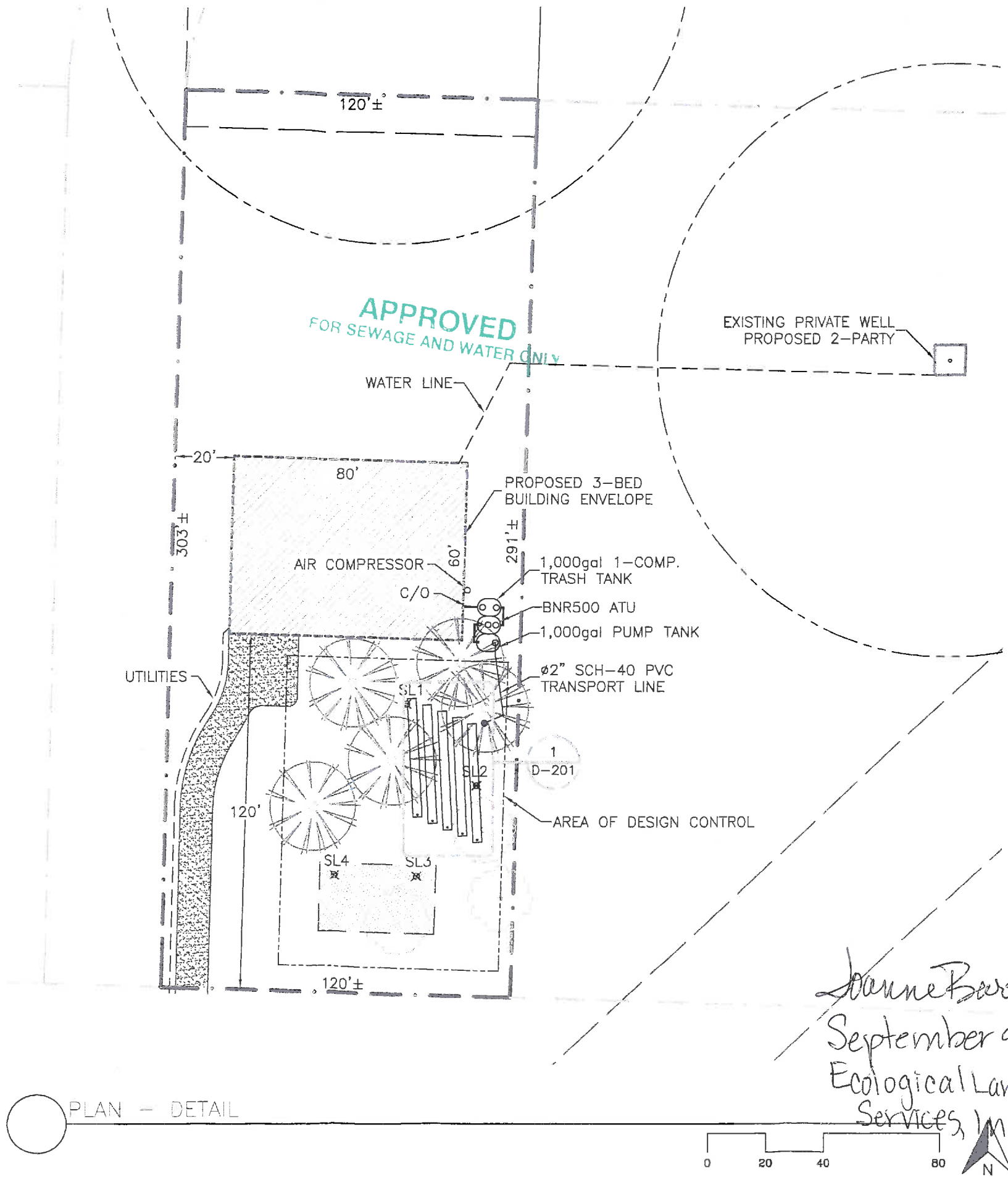
I,  Jason Hedstrom (Property Owner) understand that I am responsible for the accuracy of this form. I understand that all regulated activities must occur outside of any wetland and buffer areas shown on the attached site plan. I also understand that Kitsap County reserves the right to enter the above-referenced property to confirm the accuracy of this form and that I am responsible for correcting any identified inaccuracies, including but not limited to, providing mitigation for impacts to wetland or buffer areas. I also understand that my development must still meet all other applicable state and federal wetland regulations.

Signatures: Joanne Bartlett _____
 (Wetland Specialist) (Property Owner)

Date signed: September 9, 2019

VALID FOR ONE YEAR FROM DATE OF SPECIALIST'S SIGNATURE

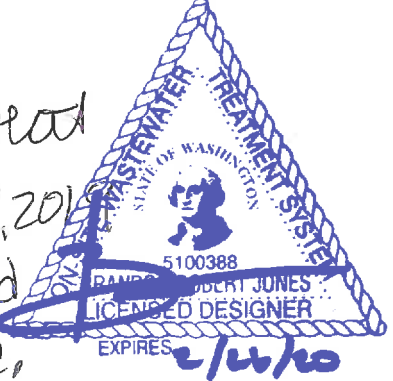
Figure 1: Site Plan Requirements Checklist	
All site plans shall be clearly and accurately drawn to 1"=20', 30', 40' or 50' scale on paper no larger than 11" x 17" and must indicate all of the following information. For each item below, mark either "Shown" or "N/A" as appropriate for your project. This checklist must be completed and included on all site plans. Any site plan without this checklist will be rejected and returned to the applicant for correction.	
Shown N/A	Parcel Number
A General Property Information:	
<input type="checkbox"/>	Tax ID Number and Property Address
<input type="checkbox"/>	Property lines and dimensions
<input type="checkbox"/>	Elevations of property and the direction of natural drainage
<input type="checkbox"/>	Slopes that exceed 15%, including any cut banks greater than 4' in height
<input type="checkbox"/>	North arrow and site plan scale
<input type="checkbox"/>	Marine waters, lakes and ponds and their associated high water lines
<input type="checkbox"/>	Streams, creeks & wetlands and their associated buffer areas
B Existing Property Improvements:	
<input type="checkbox"/>	Location of all existing structures, including the locations of existing structures on adjacent waterfront properties
<input type="checkbox"/>	Location of all existing walls and their well radil, including those wells on adjacent properties within 100' of property lines
<input type="checkbox"/>	Location of all existing drainfields, including the 10' "No Build Zone" as well as the locations of existing drainfields on adjacent properties within 100' of any well
<input type="checkbox"/>	Location of existing drainage facilities, including all sub-surface infiltration systems
<input type="checkbox"/>	Location of all existing and abutting roadways, driveways, easements, buffers and required open spaces
<input type="checkbox"/>	Location of all existing water, sewer and utility lines.
C Proposed Property Improvements:	
<input type="checkbox"/>	Location and dimensions of all proposed structures or building envelopes in relation to property lines, other structures, etc.
<input type="checkbox"/>	Location of all proposed wells, including their 100' well radil and all water lines
<input type="checkbox"/>	Location of all proposed septic tanks, pump tanks, pre-treatment units, and drainfields, including the 10' "no build" zone
<input type="checkbox"/>	Location and dimensions of all proposed drainage and infiltration systems (I-Pits)
<input type="checkbox"/>	Location, dimensions, surfacing materials, and clearing limits of all proposed parking areas, driveways, sidewalks, & road app'r's.
<input type="checkbox"/>	Location of all proposed water, sewer and utility lines.



CLIENT:	JASON & ASHLEY HEDSTROM
TAX ID. #	122601-4-033-2004
SITE ADDRESS:	LINCOLN RD NE POULSB0, WA 98370
SHEET ID:	S-02

REVISIONS:
RECEIVED
KITAP PUBLIC HEALTH DISTRICT
INDIGO DESIGN INC.
P.O. BOX 163 POULSB0, WASHINGTON 98370 360-779-5233

Maune Bartlett
September 9, 2011
Ecological Land
Services, Inc.



PLAN - DETAIL



SOIL LEGEND:

- 22 Kapowsin gravelly ashy loam, 0 to 6 percent slopes. Not hydric.
- 37 Norma fine sandy loam. **Hydric.**
- 39 Poulsbo gravelly sandy loam, 0 to 6 percent slopes. Not hydric.

NOTE(S):

- 1. Aerial from Google Earth™.
- 2. Test plots and offsite pond located using handheld GPS with submeter accuracy.
- 3. Map provided on-line by NRCS at web address:
<http://websoilsurvey.nrcs.usda.gov/app/>



1157 3rd Ave., Suite 220A
Longview, WA 98632
Phone: (360) 578-1371
Fax: (360) 414-9305
www.eco-land.com

DATE: 6/12/19
DWN: EF
REQ. BY:
PRJ. MGR: JB
CHK: JB
PROJECT NO:
2978.01

Figure 1
EXISTING CONDITIONS MAP
Lincoln Road Properties
Jason and Ashley Hedstrom
Kitsap County, Washington
Section , Township , Range , W.M.

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

Project Site: Lincoln Road Property City/County: Poulsbo/Kitsap Sampling Date: 5/31/19
 Applicant/Owner: Jason and Ashley Hedstrom State: WA Sampling Point: TP 1
 Investigator(s): J. Bartlett, K. Lacey Section, Township, Range: S 12 T 26 N R 1 EWM
 Landform (hillslope, terrace, etc.): terrace Local relief (concave, convex, none): none Slope (%): 0
 Subregion (LRR): MLRA 2 Lat: _____ Long: _____ Datum: _____
 Soil Map Unit Name: 37 Norma fine sandy loam NWI classification: None
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes ☒ No ☐ (If no, explain in Remarks.)
 Are Vegetation ☐, Soil ☐, or Hydrology ☐, significantly disturbed? Are "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 showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Hydric Soil Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Wetland Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Remarks: This property is on level terrain north of Lincoln Road in Poulsbo. It is currently undeveloped and composed of forest with homes to the northwest and east. Test Plot 1 is located near the northeast corner of the property where the soil map unit is Norma fine sandy loam, which is classified as hydric.			

VEGETATION – Use scientific names of plants

Tree Stratum (Plot size: 30' diameter)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test Worksheet:
1. <u><i>Alnus rubra</i></u>	<u>15</u>	<u>yes</u>	<u>FAC</u>	
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata: <u>7</u> (B)
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC: <u>43%</u> (A/B)
4. _____	_____	_____	_____	
50% = <u>7.5</u> , 20% = <u>3</u>	<u>15</u>	= Total Cover		
Sapling/Shrub Stratum (Plot size: 20' diameter)				Prevalence Index worksheet:
1. <u><i>Oemleria cerasiformis</i></u>	<u>15</u>	<u>yes</u>	<u>FACU</u>	Total % Cover of: _____ Multiply by: _____
2. <u><i>Sambucus racemosa</i></u>	<u>10</u>	<u>yes</u>	<u>FACU</u>	OBL species _____ x1 = _____
3. <u><i>Rubus spectabilis</i></u>	<u>10</u>	<u>yes</u>	<u>FAC</u>	FACW species _____ x2 = _____
4. <u><i>Ilex aquifolium</i></u>	<u>10</u>	<u>yes</u>	<u>FACU</u>	FAC species _____ x3 = _____
5. <u><i>Rubus laciniatus</i></u>	<u>5</u>	<u>no</u>	<u>FACU</u>	FACU species _____ x4 = _____
50% = <u>25</u> , 20% = <u>10</u>	<u>50</u>	= Total Cover		UPL species _____ x5 = _____
Herb Stratum (Plot size: 10' diameter)				Column Totals: _____ (A) _____ (B)
1. <u><i>Ranunculus repens</i></u>	<u>10</u>	<u>yes</u>	<u>FAC</u>	Prevalence Index = B/A = _____
2. <u><i>Rubus ursinus</i></u>	<u>10</u>	<u>yes</u>	<u>FACU</u>	
3. <u><i>Polystichum munitum</i></u>	<u>5</u>	<u>no</u>	<u>FACU</u>	Hydrophytic Vegetation Indicators:
4. <u><i>Galium aparine</i></u>	<u>5</u>	<u>no</u>	<u>FACU</u>	<input type="checkbox"/> 1 – Rapid Test for Hydrophytic Vegetation
5. <u><i>Carex deweyana</i></u>	<u>5</u>	<u>no</u>	_____	<input type="checkbox"/> 2 - Dominance Test is >50%
6. _____	_____	_____	_____	<input type="checkbox"/> 3 - Prevalence Index is ≤3.0 ¹
7. _____	_____	_____	_____	<input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
8. _____	_____	_____	_____	<input type="checkbox"/> 5 - Wetland Non-Vascular Plants ¹
9. _____	_____	_____	_____	<input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain)
10. _____	_____	_____	_____	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
11. _____	_____	_____	_____	
50% = <u>17.5</u> , 20% = <u>7</u>	<u>35</u>	= Total Cover		
Woody Vine Stratum (Plot size: _____)				Hydrophytic Vegetation Present?
1. _____	_____	_____	_____	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
2. _____	_____	_____	_____	
50% = _____, 20% = _____	_____	= Total Cover		
% Bare Ground in Herb Stratum <u>65</u>				

Remarks: The hydrophytic vegetation criterion is not met because there is less than 50% dominance by FAC species.

Project Site: Lincoln Road Property

SOIL

Sampling Point: TP1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-7	10YR 3/3	100					silt loam	
7-16	10YR 3/6	100					silt loam	

¹Type: C= Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains.
²Location: PL=Pore Lining, M=Matrix, RC=Root Channel

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

Indicators for Problematic Hydric Soils³:

<input type="checkbox"/> Histosol (A1)	<input type="checkbox"/> Sandy Redox (S5)	<input type="checkbox"/> 2 cm Muck (A10)
<input type="checkbox"/> Histic Epipedon (A2)	<input type="checkbox"/> Stripped Matrix (S6)	<input type="checkbox"/> Red Parent Material (TF2)
<input type="checkbox"/> Black Histic (A3)	<input type="checkbox"/> Loamy Mucky Mineral (F1) (except MLRA 1)	<input type="checkbox"/> Very Shallow Dark Surface (TF12)
<input type="checkbox"/> Hydrogen Sulfide (A4)	<input type="checkbox"/> Loamy Gleyed Matrix (F2)	<input type="checkbox"/> Other (Explain in Remarks)
<input type="checkbox"/> Depleted Below Dark Surface (A11)	<input type="checkbox"/> Depleted Matrix (F3)	
<input type="checkbox"/> Thick Dark Surface (A12)	<input type="checkbox"/> Redox Dark Surface (F6)	
<input type="checkbox"/> Sandy Mucky Mineral (S1)	<input type="checkbox"/> Depleted Dark Surface (F7)	
<input type="checkbox"/> Sandy Gleyed Matrix (S4)	<input type="checkbox"/> Redox Depressions (F8)	

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____
Depth (inches): _____

Hydric Soils Present?
Yes
☐
No
☒

Remarks: The hydric soil criterion is not met because the matrix chromas in both layers are not considered depleted and there are no redoximorphic features.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

Secondary Indicators (2 or more required)

<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Water-Stained Leaves (B9)
<input type="checkbox"/> High Water Table (A2)	(except MLRA 1, 2, 4A, and 4B)	(MLRA 1, 2, 4A, and 4B)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Salt Crust (B11)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Aquatic Invertebrates (B13)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Oxidized Rhizospheres along Living Roots (C3)	<input type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> FAC-Neutral Test (D5)
<input type="checkbox"/> Surface Soil Cracks (B6)	<input type="checkbox"/> Stunted or Stresses Plants (D1) (LRR A)	<input type="checkbox"/> Raised Ant Mounds (D6) (LRR A)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Frost-Heave Hummocks (D7)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		

Field Observations:

Surface Water Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>	Depth (inches):	_____
Water Table Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>	Depth (inches):	_____
Saturation Present? (includes capillary fringe)	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>	Depth (inches):	_____

Wetland Hydrology Present?
Yes
☐
No
☒

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

Remarks: Hydrology was not present during the field visit and there was no evidence of wetland hydrology.

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

Project Site: Lincoln Road Property City/County: Poulsbo/Kitsap Sampling Date: 5/31/19
 Applicant/Owner: Jason and Ashley Hedstrom State: WA Sampling Point: TP 2
 Investigator(s): J. Bartlett, K. Lacey Section, Township, Range: S 12 T 26 N R 1 EWM
 Landform (hillslope, terrace, etc.): terrace Local relief (concave, convex, none): none Slope (%): 0
 Subregion (LRR): MLRA 2 Lat: _____ Long: _____ Datum: _____
 Soil Map Unit Name: 37 Norma fine sandy loam NWI classification: None
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes ☒ No ☐ (If no, explain in Remarks.)
 Are Vegetation ☐, Soil ☐, or Hydrology ☐, significantly disturbed? Are "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 showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Hydric Soil Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Wetland Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Remarks: This property is on level terrain north of Lincoln Road in Poulsbo. It is currently undeveloped and composed of forest with homes to the northwest and east. Test Plot 2 is located along the west property line near the edge of the hydric soil map unit.			

VEGETATION – Use scientific names of plants

Tree Stratum (Plot size: 30' diameter)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test Worksheet:
1. <u><i>Alnus rubra</i></u>	<u>20</u>	<u>yes</u>	<u>FAC</u>	
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata: <u>6</u> (B)
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC: <u>50%</u> (A/B)
4. _____	_____	_____	_____	
50% = <u>10</u> , 20% = <u>4</u>	<u>20</u>	= Total Cover		
Sapling/Shrub Stratum (Plot size: 20' diameter)				Prevalence Index worksheet:
1. <u><i>Oemleria cerasiformis</i></u>	<u>10</u>	<u>yes</u>	<u>FACU</u>	Total % Cover of: _____ Multiply by: _____
2. <u><i>Rubus laciniatus</i></u>	<u>10</u>	<u>yes</u>	<u>FACU</u>	OBL species _____ x1 = _____
3. _____	_____	_____	_____	FACW species _____ x2 = _____
4. _____	_____	_____	_____	FAC species <u>55</u> x3 = <u>165</u>
5. _____	_____	_____	_____	FACU species <u>30</u> x4 = <u>120</u>
50% = <u>10</u> , 20% = <u>4</u>	<u>20</u>	= Total Cover		UPL species _____ x5 = _____
Herb Stratum (Plot size: 10' diameter)				Column Totals: <u>85</u> (A) <u>285</u> (B)
1. <u><i>Ranunculus repens</i></u>	<u>25</u>	<u>yes</u>	<u>FAC</u>	Prevalence Index = B/A = <u>2.98</u>
2. <u><i>Rubus ursinus</i></u>	<u>10</u>	<u>yes</u>	<u>FACU</u>	
3. <u><i>mixed grasses</i></u>	<u>10</u>	<u>yes</u>	<u>FAC</u>	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
11. _____	_____	_____	_____	
50% = <u>22.5</u> , 20% = <u>9</u>	<u>45</u>	= Total Cover		
Woody Vine Stratum (Plot size: _____)				
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
50% = _____, 20% = _____	_____	= Total Cover		
% Bare Ground in Herb Stratum <u>55</u>				

Remarks: The hydrophytic vegetation criterion is met because the prevalence index is less than 3.0.

Project Site: Lincoln Road Property

SOIL

Sampling Point: TP2

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-12	10YR 3/3	100					silt loam	
12-16	10YR 3/6	100					silt loam	

¹Type: C= Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains.
²Location: PL=Pore Lining, M=Matrix, RC=Root Channel

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

Indicators for Problematic Hydric Soils³:

<input type="checkbox"/> Histosol (A1)	<input type="checkbox"/> Sandy Redox (S5)	<input type="checkbox"/> 2 cm Muck (A10)
<input type="checkbox"/> Histic Epipedon (A2)	<input type="checkbox"/> Stripped Matrix (S6)	<input type="checkbox"/> Red Parent Material (TF2)
<input type="checkbox"/> Black Histic (A3)	<input type="checkbox"/> Loamy Mucky Mineral (F1) (except MLRA 1)	<input type="checkbox"/> Very Shallow Dark Surface (TF12)
<input type="checkbox"/> Hydrogen Sulfide (A4)	<input type="checkbox"/> Loamy Gleyed Matrix (F2)	<input type="checkbox"/> Other (Explain in Remarks)
<input type="checkbox"/> Depleted Below Dark Surface (A11)	<input type="checkbox"/> Depleted Matrix (F3)	
<input type="checkbox"/> Thick Dark Surface (A12)	<input type="checkbox"/> Redox Dark Surface (F6)	
<input type="checkbox"/> Sandy Mucky Mineral (S1)	<input type="checkbox"/> Depleted Dark Surface (F7)	
<input type="checkbox"/> Sandy Gleyed Matrix (S4)	<input type="checkbox"/> Redox Depressions (F8)	

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____
Depth (inches): _____

Hydric Soils Present?
Yes
☐
No
☒

Remarks: The hydric soil criterion is not met because the matrix chromas in both layers are not considered depleted and there are no redoximorphic features.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

Secondary Indicators (2 or more required)

<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Water-Stained Leaves (B9)
<input type="checkbox"/> High Water Table (A2)	(except MLRA 1, 2, 4A, and 4B)	(MLRA 1, 2, 4A, and 4B)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Salt Crust (B11)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Aquatic Invertebrates (B13)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Oxidized Rhizospheres along Living Roots (C3)	<input type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> FAC-Neutral Test (D5)
<input type="checkbox"/> Surface Soil Cracks (B6)	<input type="checkbox"/> Stunted or Stresses Plants (D1) (LRR A)	<input type="checkbox"/> Raised Ant Mounds (D6) (LRR A)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Frost-Heave Hummocks (D7)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		

Field Observations:

Surface Water Present?
Yes
☐
No
☒
Depth (inches): _____
Water Table Present?
Yes
☐
No
☒
Depth (inches): _____
Saturation Present? (includes capillary fringe)
Yes
☐
No
☒
Depth (inches): _____

Wetland Hydrology Present?
Yes
☐
No
☒

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

Remarks: Hydrology was not present during the field visit and there was no evidence of wetland hydrology.

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

Project Site: Lincoln Road Property City/County: Poulsbo/Kitsap Sampling Date: 5/31/19
 Applicant/Owner: Jason and Ashley Hedstrom State: WA Sampling Point: TP 3
 Investigator(s): J. Bartlett, K. Lacey Section, Township, Range: S 12 T 26 N R 1 EWM
 Landform (hillslope, terrace, etc.): terrace Local relief (concave, convex, none): none Slope (%): 0
 Subregion (LRR): MLRA 2 Lat: _____ Long: _____ Datum: _____
 Soil Map Unit Name: 22 Kapowsin gravelly ashy loam, 0-6% slopes NWI classification: None
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes ☒ No ☐ (If no, explain in Remarks.)
 Are Vegetation ☐, Soil ☐, or Hydrology ☐, significantly disturbed? Are "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 showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Hydric Soil Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Wetland Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Remarks: This property is on level terrain north of Lincoln Road in Poulsbo. It is currently undeveloped and composed of forest with homes to the northwest and east. Test Plot 3 is located about midway along the west side and is just outside the Norma hydric map unit. The test plot is located within a small grove of cedar trees where there is a sparse shrub layer and no herbaceous plant layer.			

VEGETATION – Use scientific names of plants

Tree Stratum (Plot size: 30' diameter)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test Worksheet:
1. <u>Thuja plicata</u>	<u>35</u>	<u>yes</u>	<u>FAC</u>	
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata: <u>2</u> (B)
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC: <u>50%</u> (A/B)
4. _____	_____	_____	_____	
50% = <u>17.5</u> , 20% = <u>7</u>	<u>35</u>	= Total Cover		
Sapling/Shrub Stratum (Plot size: 20' diameter)				Prevalence Index worksheet:
1. <u>Vaccinium ovatum</u>	<u>10</u>	<u>yes</u>	<u>FACU</u>	Total % Cover of: _____ Multiply by: _____
2. _____	_____	_____	_____	OBL species _____ x1 = _____
3. _____	_____	_____	_____	FACW species _____ x2 = _____
4. _____	_____	_____	_____	FAC species <u>35</u> x3 = <u>105</u>
5. _____	_____	_____	_____	FACU species <u>10</u> x4 = <u>40</u>
50% = <u>5</u> , 20% = <u>2</u>	<u>10</u>	= Total Cover		UPL species _____ x5 = _____
Herb Stratum (Plot size: 10' diameter)				Column Totals: <u>45</u> (A) <u>145</u> (B)
1. _____	_____	_____	_____	Prevalence Index = B/A = <u>3.22</u>
2. _____	_____	_____	_____	Hydrophytic Vegetation Indicators: <input type="checkbox"/> 1 – Rapid Test for Hydrophytic Vegetation <input type="checkbox"/> 2 - Dominance Test is >50% <input type="checkbox"/> 3 - Prevalence Index is ≤3.0 ¹ <input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> 5 - Wetland Non-Vascular Plants ¹ <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
11. _____	_____	_____	_____	
50% = _____, 20% = _____	<u>0</u>	= Total Cover		
Woody Vine Stratum (Plot size: _____)				Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
50% = _____, 20% = _____	_____	= Total Cover		
% Bare Ground in Herb Stratum <u>100</u>				

Remarks: The hydrophytic vegetation criterion is not met because the prevalence index is greater than 3.0.

Project Site: Lincoln Road Property

SOIL

Sampling Point: TP3

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-3	duff	100					duff	
3-16	10YR 3/6	100					silt loam	

¹Type: C= Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains.
²Location: PL=Pore Lining, M=Matrix, RC=Root Channel

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

Indicators for Problematic Hydric Soils³:

<input type="checkbox"/> Histosol (A1)	<input type="checkbox"/> Sandy Redox (S5)	<input type="checkbox"/> 2 cm Muck (A10)
<input type="checkbox"/> Histic Epipedon (A2)	<input type="checkbox"/> Stripped Matrix (S6)	<input type="checkbox"/> Red Parent Material (TF2)
<input type="checkbox"/> Black Histic (A3)	<input type="checkbox"/> Loamy Mucky Mineral (F1) (except MLRA 1)	<input type="checkbox"/> Very Shallow Dark Surface (TF12)
<input type="checkbox"/> Hydrogen Sulfide (A4)	<input type="checkbox"/> Loamy Gleyed Matrix (F2)	<input type="checkbox"/> Other (Explain in Remarks)
<input type="checkbox"/> Depleted Below Dark Surface (A11)	<input type="checkbox"/> Depleted Matrix (F3)	
<input type="checkbox"/> Thick Dark Surface (A12)	<input type="checkbox"/> Redox Dark Surface (F6)	
<input type="checkbox"/> Sandy Mucky Mineral (S1)	<input type="checkbox"/> Depleted Dark Surface (F7)	
<input type="checkbox"/> Sandy Gleyed Matrix (S4)	<input type="checkbox"/> Redox Depressions (F8)	

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____
Depth (inches): _____

Hydric Soils Present?
Yes
☐
No
☒

Remarks: The hydric soil criterion is not met because the matrix chromas in both layers are not considered depleted and there are no redoximorphic features.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)		Secondary Indicators (2 or more required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Water-Stained Leaves (B9)
<input type="checkbox"/> High Water Table (A2)	(except MLRA 1, 2, 4A, and 4B)	(MLRA 1, 2, 4A, and 4B)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Salt Crust (B11)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Aquatic Invertebrates (B13)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Oxidized Rhizospheres along Living Roots (C3)	<input type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> FAC-Neutral Test (D5)
<input type="checkbox"/> Surface Soil Cracks (B6)	<input type="checkbox"/> Stunted or Stresses Plants (D1) (LRR A)	<input type="checkbox"/> Raised Ant Mounds (D6) (LRR A)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Frost-Heave Hummocks (D7)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		

Field Observations:

Surface Water Present?
Yes
☐
No
☒
Depth (inches): _____
Water Table Present?
Yes
☐
No
☒
Depth (inches): _____
Saturation Present? (includes capillary fringe)
Yes
☐
No
☒
Depth (inches): _____

Wetland Hydrology Present?
Yes
☐
No
☒

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

Remarks: Hydrology was not present during the field visit and there was no evidence of wetland hydrology.

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

Project Site: Lincoln Road Property City/County: Poulsbo/Kitsap Sampling Date: 5/31/19
 Applicant/Owner: Jason and Ashley Hedstrom State: WA Sampling Point: TP 4
 Investigator(s): J. Bartlett, K. Lacey Section, Township, Range: S 12 T 26 N R 1 EWM
 Landform (hillslope, terrace, etc.): terrace Local relief (concave, convex, none): none Slope (%): 0
 Subregion (LRR): MLRA 2 Lat: _____ Long: _____ Datum: _____
 Soil Map Unit Name: 22 Kapowsin ashy gravelly loam, 0-6% slopes NWI classification: None
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes ☒ No ☐ (If no, explain in Remarks.)
 Are Vegetation ☐, Soil ☐, or Hydrology ☐, significantly disturbed? Are "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 showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Hydric Soil Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Wetland Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Remarks: This property is on level terrain north of Lincoln Road in Poulsbo. It is currently undeveloped and composed of forest with homes to the northwest and east. Test Plot 4 is located next to a soil log at the south end of the property.			

VEGETATION – Use scientific names of plants

Tree Stratum (Plot size: 30' diameter)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test Worksheet:	
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC:	<u>0</u> (A)
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata:	<u>4</u> (B)
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC:	<u>0</u> (A/B)
4. _____	_____	_____	_____		
50% = <u>0</u> , 20% = _____	_____	= Total Cover			
Sapling/Shrub Stratum (Plot size: 20' diameter)				Prevalence Index worksheet:	
1. <u>Oemleria cerasiformis</u>	<u>30</u>	<u>yes</u>	<u>FACU</u>	Total % Cover of:	Multiply by:
2. <u>Cytisus scoparius</u>	<u>10</u>	<u>yes</u>	<u>FACU</u>	OBL species _____	x1 = _____
3. <u>Ilex aquifolium</u>	<u>5</u>	<u>no</u>	<u>FACU</u>	FACW species _____	x2 = _____
4. _____	_____	_____	_____	FAC species _____	x3 = _____
5. _____	_____	_____	_____	FACU species _____	x4 = _____
50% = <u>22.5</u> , 20% = <u>9</u>	<u>45</u>	= Total Cover		UPL species _____	x5 = _____
Herb Stratum (Plot size: 10' diameter)				Column Totals: _____ (A)	_____ (B)
1. <u>Rubus ursinus</u>	<u>30</u>	<u>yes</u>	<u>FACU</u>	Prevalence Index = B/A = _____	
2. <u>Anthoxanthum odoratum</u>	<u>20</u>	<u>yes</u>	<u>FACU</u>	Hydrophytic Vegetation Indicators:	
3. <u>Polystichum munitum</u>	<u>10</u>	<u>no</u>	<u>FACU</u>	<input type="checkbox"/> 1 – Rapid Test for Hydrophytic Vegetation	
4. <u>Pteridium aquilinum</u>	<u>5</u>	<u>no</u>	<u>FACU</u>	<input type="checkbox"/> 2 - Dominance Test is >50%	
5. <u>Lonicera ciliosa</u>	<u>5</u>	<u>no</u>	<u>NL (UPL)</u>	<input type="checkbox"/> 3 - Prevalence Index is ≤3.0 ¹	
6. _____	_____	_____	_____	<input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)	
7. _____	_____	_____	_____	<input type="checkbox"/> 5 - Wetland Non-Vascular Plants ¹	
8. _____	_____	_____	_____	<input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain)	
9. _____	_____	_____	_____	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.	
10. _____	_____	_____	_____		
11. _____	_____	_____	_____		
50% = <u>35</u> , 20% = <u>14</u>	<u>70</u>	= Total Cover			
Woody Vine Stratum (Plot size: _____)				Hydrophytic Vegetation Present?	
1. _____	_____	_____	_____	Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/>
2. _____	_____	_____	_____		
50% = _____, 20% = _____	_____	= Total Cover			
% Bare Ground in Herb Stratum <u>30</u>					

Remarks: The hydrophytic vegetation criterion is not met because there is less than 50% dominance by FAC, FACW, or OBL species.

Project Site: Lincoln Road Property

SOIL

Sampling Point: TP4

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-16	7.5YR 3/4	100					silt loam	

¹Type: C= Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains.

²Location: PL=Pore Lining, M=Matrix, RC=Root Channel

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

Indicators for Problematic Hydric Soils³:

<input type="checkbox"/> Histosol (A1)	<input type="checkbox"/> Sandy Redox (S5)	<input type="checkbox"/> 2 cm Muck (A10)
<input type="checkbox"/> Histic Epipedon (A2)	<input type="checkbox"/> Stripped Matrix (S6)	<input type="checkbox"/> Red Parent Material (TF2)
<input type="checkbox"/> Black Histic (A3)	<input type="checkbox"/> Loamy Mucky Mineral (F1) (except MLRA 1)	<input type="checkbox"/> Very Shallow Dark Surface (TF12)
<input type="checkbox"/> Hydrogen Sulfide (A4)	<input type="checkbox"/> Loamy Gleyed Matrix (F2)	<input type="checkbox"/> Other (Explain in Remarks)
<input type="checkbox"/> Depleted Below Dark Surface (A11)	<input type="checkbox"/> Depleted Matrix (F3)	
<input type="checkbox"/> Thick Dark Surface (A12)	<input type="checkbox"/> Redox Dark Surface (F6)	
<input type="checkbox"/> Sandy Mucky Mineral (S1)	<input type="checkbox"/> Depleted Dark Surface (F7)	
<input type="checkbox"/> Sandy Gleyed Matrix (S4)	<input type="checkbox"/> Redox Depressions (F8)	

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____
Depth (inches): _____

Hydric Soils Present?

Yes
☐
No
☒

Remarks: The hydric soil criterion is not met because the matrix chromas in the single layer are not considered depleted and there are no redoximorphic features.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

Secondary Indicators (2 or more required)

<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Water-Stained Leaves (B9)
<input type="checkbox"/> High Water Table (A2)	(except MLRA 1, 2, 4A, and 4B)	(MLRA 1, 2, 4A, and 4B)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Salt Crust (B11)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Aquatic Invertebrates (B13)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Oxidized Rhizospheres along Living Roots (C3)	<input type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> FAC-Neutral Test (D5)
<input type="checkbox"/> Surface Soil Cracks (B6)	<input type="checkbox"/> Stunted or Stresses Plants (D1) (LRR A)	<input type="checkbox"/> Raised Ant Mounds (D6) (LRR A)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Frost-Heave Hummocks (D7)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		

Field Observations:

Surface Water Present?

Yes
☐
No
☒

Depth (inches): _____

Water Table Present?

Yes
☐
No
☒

Depth (inches): _____

Saturation Present? (includes capillary fringe)

Yes
☐
No
☒

Depth (inches): _____

Wetland Hydrology Present?

Yes
☐
No
☒

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

Remarks: Hydrology was not present during the field visit and there was no evidence of wetland hydrology.

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

Project Site: Lincoln Road Property City/County: Poulsbo/Kitsap Sampling Date: 5/31/19
 Applicant/Owner: Jason and Ashley Hedstrom State: WA Sampling Point: TP 5
 Investigator(s): J. Bartlett, K. Lacey Section, Township, Range: S 12 T 26 N R 1 EWM
 Landform (hillslope, terrace, etc.): terrace Local relief (concave, convex, none): none Slope (%): 0
 Subregion (LRR): MLRA 2 Lat: _____ Long: _____ Datum: _____
 Soil Map Unit Name: 37 Norma fine sandy loam NWI classification: None
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes ☒ No ☐ (If no, explain in Remarks.)
 Are Vegetation ☐, Soil ☐, or Hydrology ☐, significantly disturbed? Are "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 showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Hydric Soil Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Wetland Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Remarks: This property is on level terrain north of Lincoln Road in Poulsbo. It is currently undeveloped and composed of forest with homes to the northwest and east. Test Plot 5 is located in the field east of the property, which is also within the Norma fine sandy loam map unit.			

VEGETATION – Use scientific names of plants

Tree Stratum (Plot size: 30' diameter)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test Worksheet:
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata: <u>1</u> (B)
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A/B)
4. _____	_____	_____	_____	
50% = _____, 20% = _____	_____	= Total Cover		
Sapling/Shrub Stratum (Plot size: 20' diameter)				Prevalence Index worksheet:
1. _____	_____	_____	_____	Total % Cover of: _____ Multiply by: _____
2. _____	_____	_____	_____	OBL species _____ x1 = _____
3. _____	_____	_____	_____	FACW species _____ x2 = _____
4. _____	_____	_____	_____	FAC species _____ x3 = _____
5. _____	_____	_____	_____	FACU species _____ x4 = _____
50% = _____, 20% = _____	_____	= Total Cover		UPL species _____ x5 = _____
Herb Stratum (Plot size: 10' diameter)				Column Totals: _____ (A) _____ (B)
1. <u>Anthoxanthum odoratum</u>	<u>50</u>	<u>yes</u>	<u>FACU</u>	Prevalence Index = B/A = _____
2. <u>Poa pratensis</u>	<u>25</u>	<u>no</u>	<u>FAC</u>	
3. <u>Ranunculus acris</u>	<u>20</u>	<u>no</u>	<u>FAC</u>	
4. <u>Hypochaeris radicata</u>	<u>15</u>	<u>no</u>	<u>FACU</u>	
5. <u>Dactylis glomerata</u>	<u>10</u>	<u>no</u>	<u>FACU</u>	
6. <u>Taraxacum officinale</u>	<u>10</u>	<u>no</u>	<u>FACU</u>	
7. <u>Schedonorus phoenix</u>	<u>10</u>	<u>no</u>	<u>FAC</u>	
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
11. _____	_____	_____	_____	
50% = <u>70</u> , 20% = <u>28</u>	<u>140</u>	= Total Cover		
Woody Vine Stratum (Plot size: _____)				Hydrophytic Vegetation Indicators:
1. _____	_____	_____	_____	<input type="checkbox"/> 1 – Rapid Test for Hydrophytic Vegetation
2. _____	_____	_____	_____	<input type="checkbox"/> 2 - Dominance Test is >50%
50% = _____, 20% = _____	_____	= Total Cover		<input type="checkbox"/> 3 - Prevalence Index is ≤3.0 ¹
% Bare Ground in Herb Stratum <u>0</u>				<input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
				<input type="checkbox"/> 5 - Wetland Non-Vascular Plants ¹
				<input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain)
				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
				Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>

Remarks: The hydrophytic vegetation criterion is not met because there is less than 50% dominance by FAC, FACW, or OBL species.

Project Site: Lincoln Road Property

SOIL

Sampling Point: TP4

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-16	10YR 3/4	100					gr sa lo	
								gr - gravelly
								sa - sandy
								lo - loam

¹Type: C= Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains.

²Location: PL=Pore Lining, M=Matrix, RC=Root Channel

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

Indicators for Problematic Hydric Soils³:

<input type="checkbox"/> Histosol (A1)	<input type="checkbox"/> Sandy Redox (S5)	<input type="checkbox"/> 2 cm Muck (A10)
<input type="checkbox"/> Histic Epipedon (A2)	<input type="checkbox"/> Stripped Matrix (S6)	<input type="checkbox"/> Red Parent Material (TF2)
<input type="checkbox"/> Black Histic (A3)	<input type="checkbox"/> Loamy Mucky Mineral (F1) (except MLRA 1)	<input type="checkbox"/> Very Shallow Dark Surface (TF12)
<input type="checkbox"/> Hydrogen Sulfide (A4)	<input type="checkbox"/> Loamy Gleyed Matrix (F2)	<input type="checkbox"/> Other (Explain in Remarks)
<input type="checkbox"/> Depleted Below Dark Surface (A11)	<input type="checkbox"/> Depleted Matrix (F3)	
<input type="checkbox"/> Thick Dark Surface (A12)	<input type="checkbox"/> Redox Dark Surface (F6)	
<input type="checkbox"/> Sandy Mucky Mineral (S1)	<input type="checkbox"/> Depleted Dark Surface (F7)	
<input type="checkbox"/> Sandy Gleyed Matrix (S4)	<input type="checkbox"/> Redox Depressions (F8)	

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____
Depth (inches): _____

Hydric Soils Present?

Yes ☐ No ☒

Remarks: The hydric soil criterion is not met because the matrix chromas in the single layer are not considered depleted and there are no redoximorphic features.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

Secondary Indicators (2 or more required)

<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Water-Stained Leaves (B9)
<input type="checkbox"/> High Water Table (A2)	(except MLRA 1, 2, 4A, and 4B)	(MLRA 1, 2, 4A, and 4B)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Salt Crust (B11)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Aquatic Invertebrates (B13)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Oxidized Rhizospheres along Living Roots (C3)	<input type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> FAC-Neutral Test (D5)
<input type="checkbox"/> Surface Soil Cracks (B6)	<input type="checkbox"/> Stunted or Stresses Plants (D1) (LRR A)	<input type="checkbox"/> Raised Ant Mounds (D6) (LRR A)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Frost-Heave Hummocks (D7)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		

Field Observations:

Surface Water Present? Yes ☐ No ☒ Depth (inches): _____
Water Table Present? Yes ☐ No ☒ Depth (inches): _____
Saturation Present? (includes capillary fringe) Yes ☐ No ☒ Depth (inches): _____

Wetland Hydrology Present?

Yes ☐ No ☒

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

Remarks: Hydrology was not present during the field visit and there was no evidence of wetland hydrology.

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

Project Site: Lincoln Road Property City/County: Poulsbo/Kitsap Sampling Date: 5/31/19
 Applicant/Owner: Jason and Ashley Hedstrom State: WA Sampling Point: TP 6
 Investigator(s): J. Bartlett, K. Lacey Section, Township, Range: S 12 T 26 N R 1 EWM
 Landform (hillslope, terrace, etc.): terrace Local relief (concave, convex, none): none Slope (%): 0
 Subregion (LRR): MLRA 2 Lat: _____ Long: _____ Datum: _____
 Soil Map Unit Name: 37 Norma fine sandy loam NWI classification: None
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes ☒ No ☐ (If no, explain in Remarks.)
 Are Vegetation ☐, Soil ☐, or Hydrology ☐, significantly disturbed? Are "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 showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Hydric Soil Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Wetland Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Remarks: This property is on level terrain north of Lincoln Road in Poulsbo. It is currently undeveloped and composed of forest with homes to the northwest and east. Test Plot 6 is located at the north end of the field to the east. It is located within 25 feet of the excavated pond within the field.			

VEGETATION – Use scientific names of plants

Tree Stratum (Plot size: 30' diameter)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test Worksheet:
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata: <u>2</u> (B)
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC: <u>50%</u> (A/B)
4. _____	_____	_____	_____	
50% = _____, 20% = _____	_____	= Total Cover		
Sapling/Shrub Stratum (Plot size: 20' diameter)				Prevalence Index worksheet:
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	OBL species _____ x1 = _____
3. _____	_____	_____	_____	FACW species _____ x2 = _____
4. _____	_____	_____	_____	FAC species <u>70</u> x3 = <u>210</u>
5. _____	_____	_____	_____	FACU species <u>35</u> x4 = <u>140</u>
50% = _____, 20% = _____	_____	= Total Cover		UPL species <u>10</u> x5 = <u>50</u>
Herb Stratum (Plot size: 10' diameter)				Column Totals: <u>115</u> (A) <u>400</u> (B)
1. <u>Anthoxanthum odoratum</u>	<u>35</u>	<u>yes</u>	<u>FACU</u>	Prevalence Index = B/A = <u>3.48</u>
2. <u>Poa pratensis</u>	<u>25</u>	<u>yes</u>	<u>FAC</u>	Hydrophytic Vegetation Indicators: <input type="checkbox"/> 1 – Rapid Test for Hydrophytic Vegetation <input type="checkbox"/> 2 - Dominance Test is >50% <input type="checkbox"/> 3 - Prevalence Index is ≤3.0 ¹ <input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> 5 - Wetland Non-Vascular Plants ¹ <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
3. <u>Ranunculus acris</u>	<u>20</u>	<u>no</u>	<u>FAC</u>	
4. <u>Ranunculus repens</u>	<u>20</u>	<u>no</u>	<u>FAC</u>	
5. <u>Lamium purpurea</u>	<u>10</u>	<u>no</u>	<u>NL (UPL)</u>	
6. <u>Plantago major</u>	<u>5</u>	<u>no</u>	<u>FAC</u>	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
11. _____	_____	_____	_____	
50% = <u>57.5</u> , 20% = <u>23</u>	<u>115</u>	= Total Cover		
Woody Vine Stratum (Plot size: _____)				Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
50% = _____, 20% = _____	_____	= Total Cover		
% Bare Ground in Herb Stratum <u>0</u>				

Remarks: The hydrophytic vegetation criterion is not met because the prevalence index is greater than 3.0.

Project Site: Lincoln Road Property

SOIL

Sampling Point: TP4

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-4	10YR 3/2	100					gr sa lo	
4-12	10YR 4/3	98	10YR 3/6	2	C	M	gr sa lo	
								gr - gravelly
								sa - sandy
								lo - loam

¹Type: C= Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains.
²Location: PL=Pore Lining, M=Matrix, RC=Root Channel

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

Indicators for Problematic Hydric Soils³:

<input type="checkbox"/> Histosol (A1)	<input type="checkbox"/> Sandy Redox (S5)	<input type="checkbox"/> 2 cm Muck (A10)
<input type="checkbox"/> Histic Epipedon (A2)	<input type="checkbox"/> Stripped Matrix (S6)	<input type="checkbox"/> Red Parent Material (TF2)
<input type="checkbox"/> Black Histic (A3)	<input type="checkbox"/> Loamy Mucky Mineral (F1) (except MLRA 1)	<input type="checkbox"/> Very Shallow Dark Surface (TF12)
<input type="checkbox"/> Hydrogen Sulfide (A4)	<input type="checkbox"/> Loamy Gleyed Matrix (F2)	<input type="checkbox"/> Other (Explain in Remarks)
<input type="checkbox"/> Depleted Below Dark Surface (A11)	<input type="checkbox"/> Depleted Matrix (F3)	
<input type="checkbox"/> Thick Dark Surface (A12)	<input type="checkbox"/> Redox Dark Surface (F6)	
<input type="checkbox"/> Sandy Mucky Mineral (S1)	<input type="checkbox"/> Depleted Dark Surface (F7)	
<input type="checkbox"/> Sandy Gleyed Matrix (S4)	<input type="checkbox"/> Redox Depressions (F8)	

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: compacted sandy loam

Depth (inches): 12

Hydric Soils Present?
Yes
☐
No
☒

Remarks: The hydric soil criterion is not met because the matrix chromas are not considered depleted and there is a low percentage of redoximorphic features in the subsurface layer.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

Secondary Indicators (2 or more required)

<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Water-Stained Leaves (B9)
<input type="checkbox"/> High Water Table (A2)	(except MLRA 1, 2, 4A, and 4B)	(MLRA 1, 2, 4A, and 4B)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Salt Crust (B11)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Aquatic Invertebrates (B13)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Oxidized Rhizospheres along Living Roots (C3)	<input type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> FAC-Neutral Test (D5)
<input type="checkbox"/> Surface Soil Cracks (B6)	<input type="checkbox"/> Stunted or Stresses Plants (D1) (LRR A)	<input type="checkbox"/> Raised Ant Mounds (D6) (LRR A)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Frost-Heave Hummocks (D7)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		

Field Observations:

Surface Water Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>	Depth (inches):	
Water Table Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>	Depth (inches):	
Saturation Present? (includes capillary fringe)	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>	Depth (inches):	

Wetland Hydrology Present?
Yes
☐
No
☒

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

Remarks: Hydrology was not present during the field visit and there was no evidence of wetland hydrology.