



August 28, 2024

Restopros of the Midlands, LLC
Mr. Jeff Sturgis
1130 Broad River Road
Columbia, SC 29210

**Subject: Letter of Findings
Western Lane Site
Richland County, South Carolina
PEC Project No. 24-2246**

Dear Mr. Sturgis:

Palmetto Environmental Consulting, Inc. (PEC) is pleased to submit this correspondence to you regarding the approximately 8.5-acre Western Lane Site, generally located just northwest of the intersection of Western Lane and North Wingard Road in Richland County, South Carolina (Richland County Tax Map R04000-05-38). PEC performed a site visit on August 26, 2024, to determine if the referenced site contained wetlands/waters. The purpose of this letter and attached documentation is to summarize our findings and to document onsite observations related to waters/wetlands.

Waters/Wetland Delineation

The subject site was investigated by PEC for the presence of wetlands or other waters, including those that may be under the jurisdiction of the United States Army Corps of Engineers (USACE). PEC performed a waters/wetlands investigation on the lots based on the USACE Routine On-Site Determination method. This method is defined in the 1987 Corps of Engineers Wetlands Delineation Manual and is based on the presence of the following three characteristics:

- **Vegetation:** The dominant plants growing within the area must be considered hydrophytic (adapted for life in anaerobic soil conditions).
- **Soil:** Soils present within an area must be considered hydric (must contain characteristics associated with reducing soil conditions).
- **Hydrology:** The area must possess hydrologic characteristics (indicators that an area is permanently or periodically inundated, or soils are saturated to the surface at some time during the growing season).

Results

The subject site generally consists of mature mixed pine-hardwood forest with a sparse shrub/scrub or understory layer. The site generally slopes from south to north, with a topographic draw running from the southeast corner of the site to the eastern property line. There, the draw joins a larger draw entering the east central portion of the site, where it flows generally north to the north end of the site. The canopy and shrub layers consist primarily of loblolly pine (*Pinus taeda*), sweet gum (*Liquidambar styraciflua*), elm (*Ulmus* sp.), hickory (*Carya* sp.), Chinese privet (*Ligustrum sinense*), red maple (*Acer*

rubrum), and various oaks (*Quercus* spp.). Herbaceous species consists of the species above plus honeysuckle (*Lonicera japonica*), muscadine (*Vitis rotundifolia*), Japanese stiltgrass (*Microstegium vimineum*), dwarf palmetto (*Sabal minor*), Christmas fern (*Polystichum acrostichoides*), wood oats (*Chasmanthium* sp.), and catbrier (*Smilax* sp.). Vines consisted of muscadine and catbrier.

Based on our field investigations, PEC has determined the topographic draws contain waters/wetlands of the US, that is, waters/wetlands that likely would be under the jurisdiction of the USACE. The draw from the southeast corner of the site contains wetlands, which exhibited flowing water in spots during PEC's August 26 field visit. This draw flows toward the east central portion of the site, where it joins with a larger draw coming from offsite; this larger draw contains a stream with adjacent wetlands (see attached Figure 6). The stream, an unnamed tributary to Moccasin Branch, varies in width from two to over six feet, while most of it is three to four feet wide. Some deeper pockets of water (six to eight inches) were present in parts of the stream while other locations had only a damp bed with no surface water.

Note that a request has not been submitted to the USACE for concurrence with this waters/wetland delineation. The USACE ultimately determines whether an area is wetland or waters and if such areas are under their jurisdiction. Photographs, data sheets, and mapping supporting the waters/wetlands investigation are included in this document.

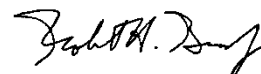
PEC appreciates the opportunity to provide this information to you. If you have any questions, please contact Chris Lake at (803) 463-2764.

Sincerely,

PALMETTO ENVIRONMENTAL CONSULTING, INC.



Christopher M. Lake, PWS
President



Robert H. Bunch, Jr., PWS
Vice President

Attachments: Figure 1. Site Location
 Figure 2. Soils
 Figure 3. NWI
 Figure 4. USGS Topo Map
 Figure 5. Digital Elevation Model
 Figure 6. Waters Map
 Photographs
 Data Sheets (2)

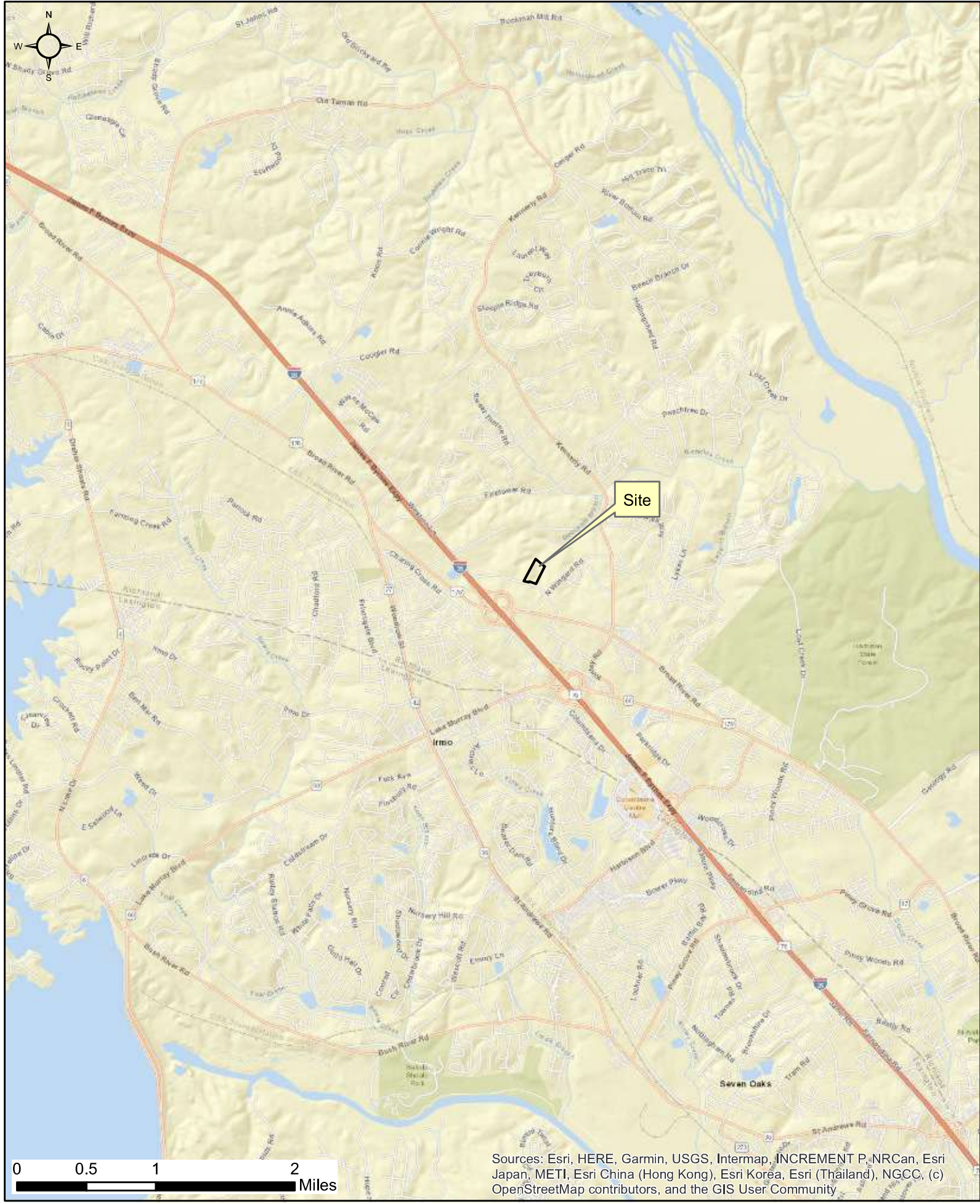
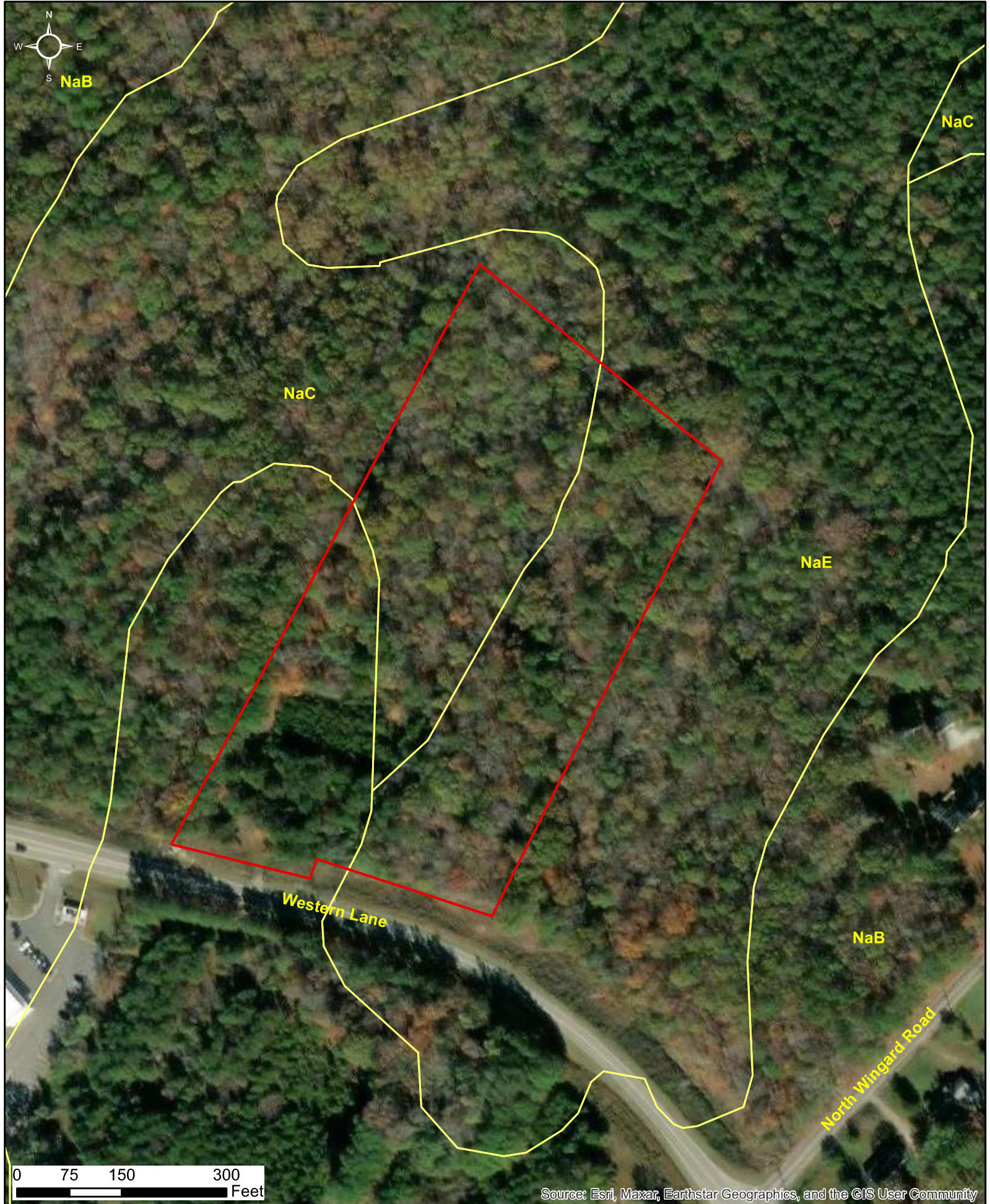
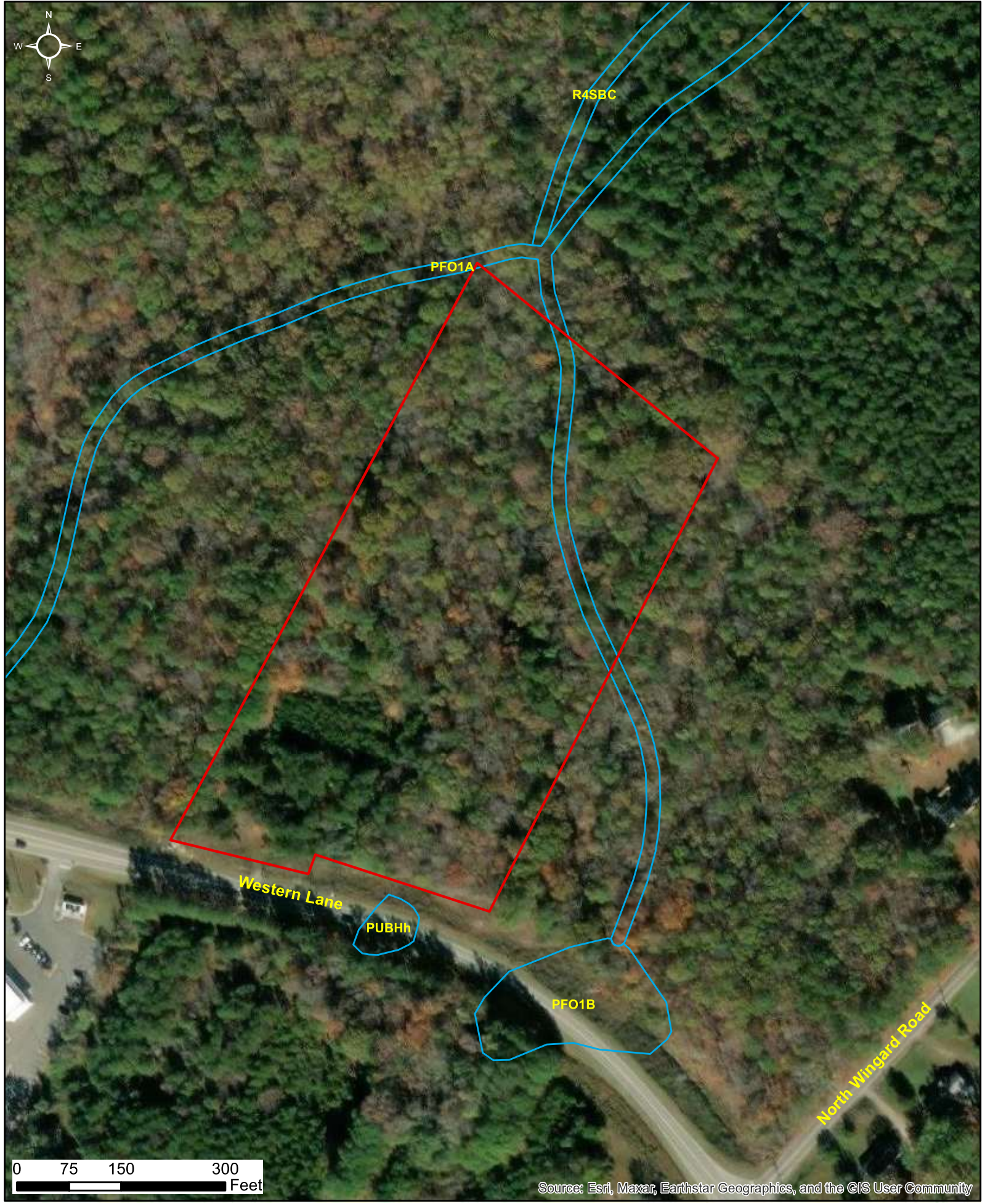


Figure 1. Location
Western Lane Site
Richland County, SC
August 28, 2024



Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

Figure 2. Soils
Western Lane Site
Richland County, SC
August 28, 2024



Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

Figure 3. NWI
Western Lane Site
Richland County, SC
August 28, 2024



Figure 4. USGS Topo
Western Lane Site
Richland County, SC
August 28, 2024

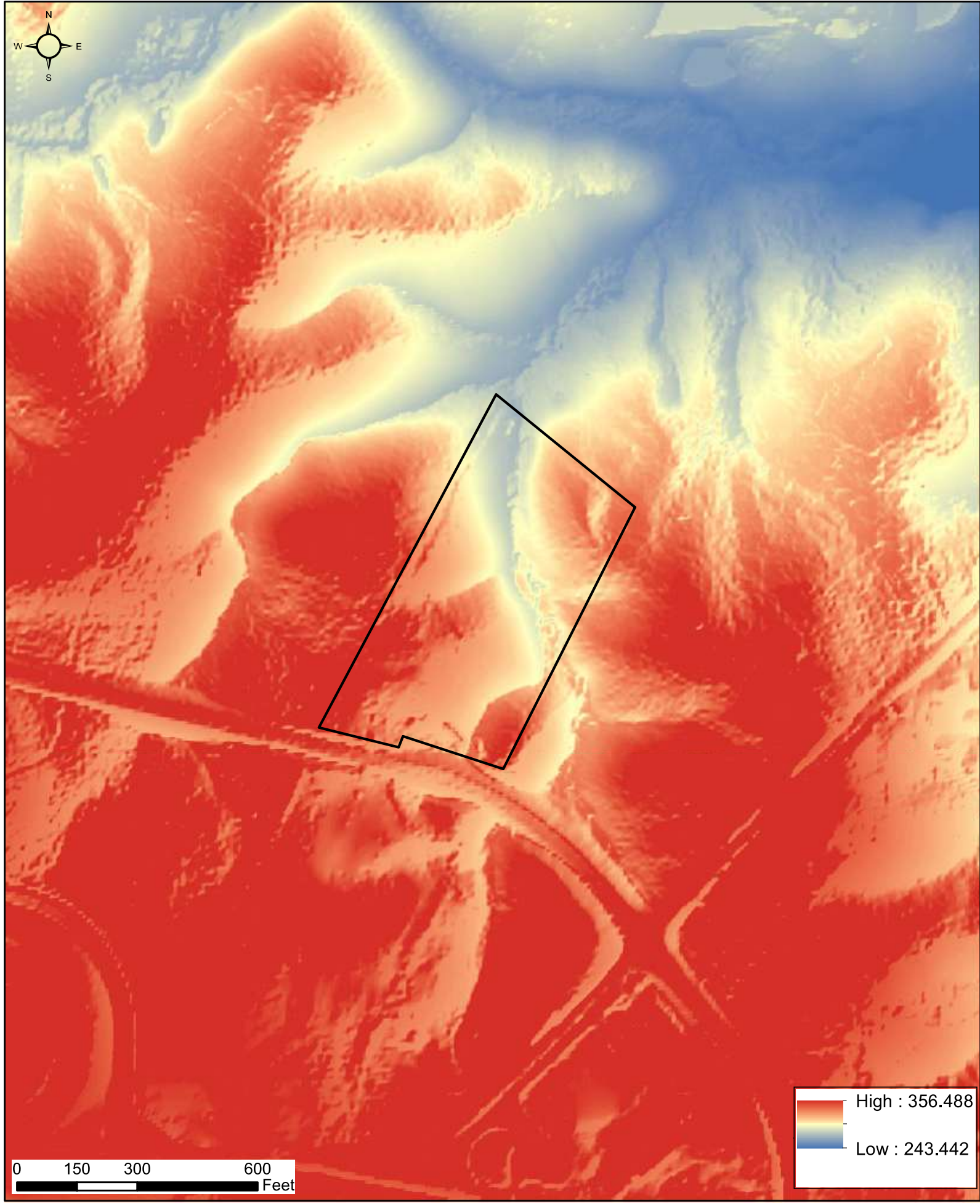


Figure 5. DEM
Western Lane Site
Richland County, SC
August 28, 2024



NOT TO BE USED FOR SITE DESIGN.

Note: Waters were delineated by PEC in August 2024. Wetlands were flagged with pink WETLAND BOUNDARY flags. Flags were located with Trimble Geo 7X Unit but had not been surveyed or verified by the US Army Corps of Engineers. This map should be used for preliminary planning purposes only.

Stream location is approximated and was not GPSed.

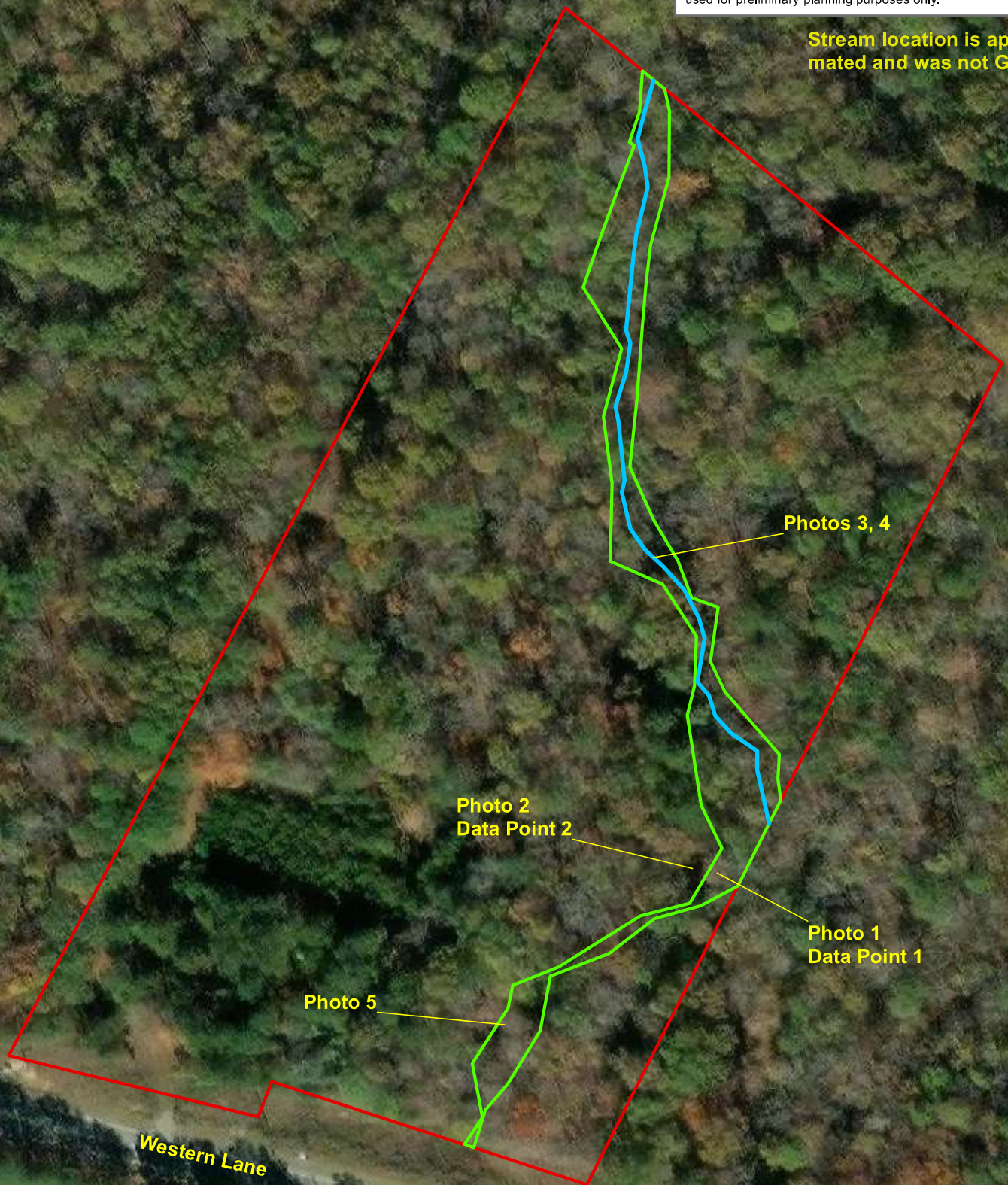


Photo 5

Photo 2
Data Point 2

Photos 3, 4

Photo 1
Data Point 1

Western Lane

Wetlands
Streams

0 50 100 200
Feet

Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community



Photo 1. Wetland A, facing N. Data Point 1 taken here.



Photo 2. Uplands adjacent to Wetland A, facing NE. Data Point 2 taken here.



Photo 3. Stream within Wetland A, facing SE (upgradient).



Photo 4. Same location as Photo 3, facing NW (downgradient).



Photo 5. Upgradient end of Wetland A, facing NE (downgradient).

<div>U.S. Army Corps of Engineers</div> <div>WETLAND DETERMINATION DATA SHEET – Eastern Mountains and Piedmont Region</div> <div>See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R</div>	<div>OMB Control #: 0710-xxxx, Exp: Pending</div> <div>Requirement Control Symbol EXEMPT:</div> <div>(Authority: AR 335-15, paragraph 5-2a)</div>
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Project/Site:	Western Lane Site	City/County:	Irmo/Richland	Sampling Date:	8/26/24
Applicant/Owner:	Restopros of the Midlands, LLC	State:	SC	Sampling Point:	DP1 wet
Investigator(s):	Chris Lake	Section, Township, Range:			
Landform (hillside, terrace, etc.):	terrace	Local relief (concave, convex, none):	rolling	Slope (%):	2
Subregion (LRR or MLRA):	LRR P, MLRA 136	Lat:	34.1024	Long:	-81.1696
		Datum:	NAD83		
Soil Map Unit Name:	NaE - Nanford silt loam, 10-30% slopes		NWI classification:	N/A	
Are climatic / hydrologic conditions on the site typical for this time of year?		Yes	X	No	(If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturbed?		Are "Normal Circumstances" present?		Yes	X 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	X	No		Is the Sampled Area within a Wetland?	Yes	X	No	
Hydric Soil Present?	Yes	X	No						
Wetland Hydrology Present?	Yes	X	No						
Remarks: This data point appears to be located in wetlands.									

HYDROLOGY

Wetland Hydrology Indicators:				Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is required; check all that apply)									
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> True Aquatic Plants (B14)	<input type="checkbox"/> Surface Soil Cracks (B6)							
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)							
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input checked="" type="checkbox"/> Drainage Patterns (B10)							
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Moss Trim Lines (B16)							
<input checked="" type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Dry-Season Water Table (C2)							
<input checked="" type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> Crayfish Burrows (C8)							
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)							
<input type="checkbox"/> Iron Deposits (B5)		<input type="checkbox"/> Stunted or Stressed Plants (D1)							
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)		<input type="checkbox"/> Geomorphic Position (D2)							
<input checked="" type="checkbox"/> Water-Stained Leaves (B9)		<input type="checkbox"/> Shallow Aquitard (D3)							
<input type="checkbox"/> Aquatic Fauna (B13)		<input type="checkbox"/> Microtopographic Relief (D4)							
				<input checked="" type="checkbox"/> FAC-Neutral Test (D5)					
Field Observations:									
Surface Water Present?	Yes		No	X	Wetland Hydrology Present?	Yes	X	No	
Water Table Present?	Yes		No	X					
Saturation Present?	Yes		No	X					
(includes capillary fringe)									
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:									
Remarks: This data point appears to contain wetland hydrology.									

VEGETATION (Four Strata) – Use scientific names of plants.

 Sampling Point: DP1 wet

Tree Stratum (Plot size: <u>10m x 10m</u>)	Absolute % Cover	Dominant Species?	Indicator Status																	
1. <u>Liquidambar styraciflua</u>	20	Yes	FAC	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>9</u> (A) Total Number of Dominant Species Across All Strata: <u>11</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>81.8%</u> (A/B)																
2. <u>Acer rubrum</u>	10	Yes	FAC																	
3. <u>Ulmus rubra</u>	10	Yes	FAC																	
4. <u>Quercus laurifolia</u>	10	Yes	FACW																	
5. _____																				
6. _____																				
7. _____																				
50 =Total Cover																				
50% of total cover: <u>25</u>		20% of total cover: <u>10</u>																		
Sapling/Shrub Stratum (Plot size: <u>5 m x 5 m</u>)																				
1. <u>Ligustrum sinense</u>	15	Yes	FACU	Prevalence Index worksheet: <table style="width: 100%;"> <tr> <td style="width: 50%;">Total % Cover of:</td> <td style="width: 50%;">Multiply by:</td> </tr> <tr> <td>OBL species _____</td> <td>x 1 = _____</td> </tr> <tr> <td>FACW species _____</td> <td>x 2 = _____</td> </tr> <tr> <td>FAC species _____</td> <td>x 3 = _____</td> </tr> <tr> <td>FACU species _____</td> <td>x 4 = _____</td> </tr> <tr> <td>UPL species _____</td> <td>x 5 = _____</td> </tr> <tr> <td>Column Totals: _____ (A)</td> <td>_____ (B)</td> </tr> <tr> <td colspan="2">Prevalence Index = B/A = _____</td> </tr> </table>	Total % Cover of:	Multiply by:	OBL species _____	x 1 = _____	FACW species _____	x 2 = _____	FAC species _____	x 3 = _____	FACU species _____	x 4 = _____	UPL species _____	x 5 = _____	Column Totals: _____ (A)	_____ (B)	Prevalence Index = B/A = _____	
Total % Cover of:	Multiply by:																			
OBL species _____	x 1 = _____																			
FACW species _____	x 2 = _____																			
FAC species _____	x 3 = _____																			
FACU species _____	x 4 = _____																			
UPL species _____	x 5 = _____																			
Column Totals: _____ (A)	_____ (B)																			
Prevalence Index = B/A = _____																				
2. <u>Acer rubrum</u>	15	Yes	FAC																	
3. <u>Quercus laurifolia</u>	10	Yes	FACW																	
4. <u>Cornus amomum</u>	10	Yes	FACW																	
5. _____																				
6. _____																				
7. _____																				
8. _____																				
9. _____																				
50 =Total Cover																				
50% of total cover: <u>25</u>		20% of total cover: <u>10</u>																		
Herb Stratum (Plot size: <u>5 m x 5 m</u>)																				
1. <u>Sabal minor</u>	15	Yes	FACW	Hydrophytic Vegetation Indicators: <u> </u> 1 - Rapid Test for Hydrophytic Vegetation <u>X</u> 2 - Dominance Test is >50% <u> </u> 3 - Prevalence Index is ≤3.0 ¹ <u> </u> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <u> </u> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.																
2. <u>Microstegium vimineum</u>	10	Yes	FAC																	
3. <u>Ligustrum sinense</u>	10	Yes	FACU																	
4. <u>Smilax rotundifolia</u>	5	No	FAC																	
5. <u>Hexastylis virginica</u>	2	No	FACU																	
6. _____																				
7. _____																				
8. _____																				
9. _____																				
10. _____																				
11. _____																				
42 =Total Cover																				
50% of total cover: <u>21</u>		20% of total cover: <u>9</u>																		
Woody Vine Stratum (Plot size: _____)																				
1. _____				Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody Vine – All woody vines greater than 3.28 ft in height.																
2. _____																				
3. _____																				
4. _____																				
5. _____																				
=Total Cover																				
50% of total cover: _____		20% of total cover: _____																		
Hydrophytic Vegetation Present?																				
Yes <u>X</u> No _____																				

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: DP1 wet**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		
0-5	10YR 3/1	100					Loamy/Clayey	
5-20	10YR 7/2	95	10YR 4/4	5			Loamy/Clayey	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.²Location: PL=Pore Lining, M=Matrix.**Hydric Soil Indicators:**

<input type="checkbox"/> Histosol (A1)	<input type="checkbox"/> Polyvalue Below Surface (S8) (MLRA 147, 148)
<input type="checkbox"/> Histic Epipedon (A2)	<input type="checkbox"/> Thin Dark Surface (S9) (MLRA 147, 148)
<input type="checkbox"/> Black Histic (A3)	<input type="checkbox"/> Loamy Mucky Mineral (F1) (MLRA 136)
<input type="checkbox"/> Hydrogen Sulfide (A4)	<input type="checkbox"/> Loamy Gleyed Matrix (F2)
<input type="checkbox"/> Stratified Layers (A5)	<input checked="" type="checkbox"/> Depleted Matrix (F3)
<input type="checkbox"/> 2 cm Muck (A10) (LRR N)	<input type="checkbox"/> Redox Dark Surface (F6)
<input checked="" type="checkbox"/> Depleted Below Dark Surface (A11)	<input type="checkbox"/> Depleted Dark Surface (F7)
<input type="checkbox"/> Thick Dark Surface (A12)	<input type="checkbox"/> Redox Depressions (F8)
<input type="checkbox"/> Sandy Mucky Mineral (S1)	<input type="checkbox"/> Iron-Manganese Masses (F12) (LRR N, MLRA 136)
<input type="checkbox"/> Sandy Gleyed Matrix (S4)	<input type="checkbox"/> Umbric Surface (F13) (MLRA 122, 136)
<input type="checkbox"/> Sandy Redox (S5)	<input type="checkbox"/> Piedmont Floodplain Soils (F19) (MLRA 148)
<input type="checkbox"/> Stripped Matrix (S6)	<input type="checkbox"/> Red Parent Material (F21) (MLRA 127, 147, 148)
<input type="checkbox"/> Dark Surface (S7)	

Indicators for Problematic Hydric Soils³:

<input type="checkbox"/> 2 cm Muck (A10) (MLRA 147)
<input type="checkbox"/> Coast Prairie Redox (A16)
<input type="checkbox"/> (MLRA 147, 148)
<input type="checkbox"/> Piedmont Floodplain Soils (F19)
<input type="checkbox"/> (MLRA 136, 147)
<input type="checkbox"/> Red Parent Material (F21)
<input type="checkbox"/> (outside MLRA 127, 147, 148)
<input type="checkbox"/> Very Shallow Dark Surface (F22)
<input type="checkbox"/> Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.**Restrictive Layer (if observed):**
 Type: _____
 Depth (inches): _____
Hydric Soil Present? Yes X No _____**Remarks:**

This data point appears to contain hydric soils.

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Eastern Mountains and Piedmont Region See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R	OMB Control #: 0710-xxxx, Exp: Pending Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)
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Project/Site: Western Lane Site City/County: Irmo/Richland Sampling Date: 8/26/24
Applicant/Owner: Restopros of the Midlands, LLC State: SC Sampling Point: DP2 up
Investigator(s): Chris Lake Section, Township, Range: _____
Landform (hillside, terrace, etc.): terrace Local relief (concave, convex, none): rolling Slope (%): 2
Subregion (LRR or MLRA): LRR P, MLRA 136 Lat: 34.1024 Long: -81.1696 Datum: NAD83
Soil Map Unit Name: NaE - Nanford silt loam, 10-30% slopes NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)
Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes X 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 <u>X</u> No _____ Hydric Soil Present? Yes _____ No <u>X</u> Wetland Hydrology Present? Yes _____ No <u>X</u>	Is the Sampled Area within a Wetland? Yes _____ No <u>X</u>
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Remarks:
This data point appears to be located in uplands.

HYDROLOGY

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u> ____ Surface Water (A1) ____ True Aquatic Plants (B14) ____ High Water Table (A2) ____ Hydrogen Sulfide Odor (C1) ____ Saturation (A3) ____ Oxidized Rhizospheres on Living Roots (C3) ____ Water Marks (B1) ____ Presence of Reduced Iron (C4) ____ Sediment Deposits (B2) ____ Recent Iron Reduction in Tilled Soils (C6) ____ Drift Deposits (B3) ____ Thin Muck Surface (C7) ____ Algal Mat or Crust (B4) ____ Other (Explain in Remarks) ____ Iron Deposits (B5) ____ Inundation Visible on Aerial Imagery (B7) ____ Water-Stained Leaves (B9) ____ Aquatic Fauna (B13)	<u>Secondary Indicators (minimum of two required)</u> ____ Surface Soil Cracks (B6) ____ Sparsely Vegetated Concave Surface (B8) ____ Drainage Patterns (B10) ____ Moss Trim Lines (B16) ____ Dry-Season Water Table (C2) ____ Crayfish Burrows (C8) ____ Saturation Visible on Aerial Imagery (C9) ____ Stunted or Stressed Plants (D1) ____ Geomorphic Position (D2) ____ Shallow Aquitard (D3) ____ Microtopographic Relief (D4) ____ FAC-Neutral Test (D5)
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Field Observations: Surface Water Present? Yes _____ No <u>X</u> Depth (inches): _____ Water Table Present? Yes _____ No <u>X</u> Depth (inches): _____ Saturation Present? Yes _____ No <u>X</u> Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? Yes _____ No <u>X</u>
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Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
This data point does not appear to contain wetland hydrology.

VEGETATION (Four Strata) – Use scientific names of plants.

 Sampling Point: DP2 up

Tree Stratum (Plot size: <u>10m x 10m</u>)	Absolute % Cover	Dominant Species?	Indicator Status	
1. <u>Liquidambar styraciflua</u>	10	Yes	FAC	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>6</u> (A) Total Number of Dominant Species Across All Strata: <u>10</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>60.0%</u> (A/B)
2. <u>Pinus taeda</u>	10	Yes	FAC	
3. <u>Ulmus rubra</u>	10	Yes	FAC	
4. <u>Acer rubrum</u>	10	Yes	FAC	
5. _____				
6. _____				
7. _____				
40 =Total Cover				Prevalence Index worksheet: Total % Cover of: _____ Multiply by: _____ OBL species _____ x 1 = _____ FACW species _____ x 2 = _____ FAC species _____ x 3 = _____ FACU species _____ x 4 = _____ UPL species _____ x 5 = _____ Column Totals: _____ (A) _____ (B) Prevalence Index = B/A = _____
50% of total cover: <u>20</u> 20% of total cover: <u>8</u>				
Sapling/Shrub Stratum (Plot size: <u>5 m x 5 m</u>)				
1. <u>Liquidambar styraciflua</u>	5	Yes	FAC	Hydrophytic Vegetation Indicators: <u> </u> 1 - Rapid Test for Hydrophytic Vegetation <u>X</u> 2 - Dominance Test is >50% <u> </u> 3 - Prevalence Index is ≤3.0 ¹ <u> </u> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <u> </u> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2. <u>Cornus florida</u>	2	Yes	FACU	
3. _____				
4. _____				
5. _____				
6. _____				
7. _____				
8. _____				
9. _____				
7 =Total Cover				
50% of total cover: <u>4</u> 20% of total cover: <u>2</u>				
Herb Stratum (Plot size: <u>5 m x 5 m</u>)				
1. <u>Polystichum acrostichoides</u>	15	Yes	FACU	Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody Vine – All woody vines greater than 3.28 ft in height.
2. <u>Ligustrum sinense</u>	5	Yes	FACU	
3. <u>Lonicera japonica</u>	5	Yes	FACU	
4. <u>Chasmanthium laxum</u>	5	Yes	FAC	
5. _____				
6. _____				
7. _____				
8. _____				
9. _____				
10. _____				
11. _____				
30 =Total Cover				
50% of total cover: <u>15</u> 20% of total cover: <u>6</u>				
Woody Vine Stratum (Plot size: _____)				
1. _____				Hydrophytic Vegetation Present? Yes <u>X</u> No _____
2. _____				
3. _____				
4. _____				
5. _____				
_____ =Total Cover				
50% of total cover: _____ 20% of total cover: _____				

 Remarks: (Include photo numbers here or on a separate sheet.)
 This data point appears to contain a predominance of hydrophytic vegetation.

SOIL

Sampling Point: DP2 up

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 4/4	100					Loamy/Clayey	
7-20	10YR 4/6	100					Loamy/Clayey	
					<div style="text-align: right;"> ¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ²Location: PL=Pore Lining, M=Matrix. </div>			
Hydric Soil Indicators:			Indicators for Problematic Hydric Soils³:					
___ Histosol (A1)			___ Polyvalue Below Surface (S8) (MLRA 147, 148)			___ 2 cm Muck (A10) (MLRA 147)		
___ Histic Epipedon (A2)			___ Thin Dark Surface (S9) (MLRA 147, 148)			___ Coast Prairie Redox (A16)		
___ Black Histic (A3)			___ Loamy Mucky Mineral (F1) (MLRA 136)			___ (MLRA 147, 148)		
___ Hydrogen Sulfide (A4)			___ Loamy Gleyed Matrix (F2)			___ Piedmont Floodplain Soils (F19)		
___ Stratified Layers (A5)			___ Depleted Matrix (F3)			___ (MLRA 136, 147)		
___ 2 cm Muck (A10) (LRR N)			___ Redox Dark Surface (F6)			___ Red Parent Material (F21)		
___ Depleted Below Dark Surface (A11)			___ Depleted Dark Surface (F7)			___ (outside MLRA 127, 147, 148)		
___ Thick Dark Surface (A12)			___ Redox Depressions (F8)			___ Very Shallow Dark Surface (F22)		
___ Sandy Mucky Mineral (S1)			___ Iron-Manganese Masses (F12) (LRR N,			___ Other (Explain in Remarks)		
___ Sandy Gleyed Matrix (S4)			___ MLRA 136)					
___ Sandy Redox (S5)			___ Umbric Surface (F13) (MLRA 122, 136)			³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.		
___ Stripped Matrix (S6)			___ Piedmont Floodplain Soils (F19) (MLRA 148)					
___ Dark Surface (S7)			___ Red Parent Material (F21) (MLRA 127, 147, 148)					
Restrictive Layer (if observed):								
Type: _____						Hydric Soil Present? Yes ____ No <u>X</u>		
Depth (inches): _____								
Remarks: This data point does not appear to contain hydric soils.								