

EXHIBIT W

Identification of Wetlands

Company: Palmetto Environmental Consulting, Inc.

Development: New Chester Townhouses Phase II, LP

Development Location: 628 Lancaster Hwy Apt 301, Chester SC 29706

County: Chester Acres: 4.92

 I certify that the development listed above **does not** contain jurisdictional and non-jurisdictional wetlands.

X I certify that the development listed above **does** contain jurisdictional and/or non-jurisdictional wetlands and the proposed development will not disturb the wetlands. The wetlands are ~0.3 (acres) in size, rendering the buildable percentage at 95 %.

I have provided the following:

1. National Wetlands Inventory (NWI) map
2. My credentials that qualify me to make this determination.

Financial Interest: Neither I nor the company I work for have any financial interest in the proposed LIHTC application other than in the practice of our profession.

Chris Lake

Digitally signed by: Chris Lake
DN: CN = Chris Lake email = chris.lake@palmettoenv.com C = US O = PEC, Inc.
Date: 2024.05.14 16:39:52 -04'00'

Signature and Certification of Wetlands Professional

May 15, 2024

Date

Christopher M. Lake, PWS

Name of Wetland Professional


Signature and Certification of Development Owner

May 17, 2024

Date

George T. Baker

Name of Developer



May 15, 2024

Chris Etheredge, Project Manager
CAHEC Properties Corporation
7700 Trenholm Road Extension
Columbia, SC 29223

**Subject: Letter of Findings
New Chester Townhouses Phase II, LP
Chester County, South Carolina
PEC Project No. 24-2187**

Dear Mr. Etheredge:

Palmetto Environmental Consulting, Inc. (PEC) is pleased to submit this correspondence to you regarding the approximately six-acre New Chester Townhouses Phase II, LP site, located just north of the intersection of Beltline Road and Belt Road, in Chester County (Chester County Tax Map 079-00-00-056-000). PEC performed a site visit on May 13, 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

Based on our field investigations, PEC located a stream and an adjacent wetland on the property (see Figure 6). Stream A, an unnamed tributary to Grassy Run Branch, bisects the property and flows from west southwest to east northeast. Water level averages five feet wide while bank-to-bank width varies from four feet to over 10 feet; depth does not exceed three or four inches. Wetland B is located on the south side of and drains to Stream A, and generally runs within a weak topographic draw along the southern property line. The central portion of the wetland contained standing water at the time of

PEC's site investigation. Wetland B possesses the three criteria mentioned in the previous section to be classified as such. Please note that the locations and extents of waters/wetlands shown in Figure 6 are **approximate** and are based on field sketches created during the delineation; site design should not be based on information presented in the map. Any survey depicting the flagged waters/wetlands limits will supersede Figure 6.

Photographs, mapping, and data sheets supporting this determination are included in this document. Please also note this waters/wetland determination has not been verified by the United States Army Corps of Engineers, and PEC has not been requested to obtain such verification.

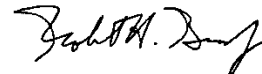
PEC appreciates the opportunity to provide this information to you. If you have any questions, please contact Chris Lake at (803) 463-2764.

Sincerely,

PALMETTO ENVIRONMENTAL CONSULTING, INC.

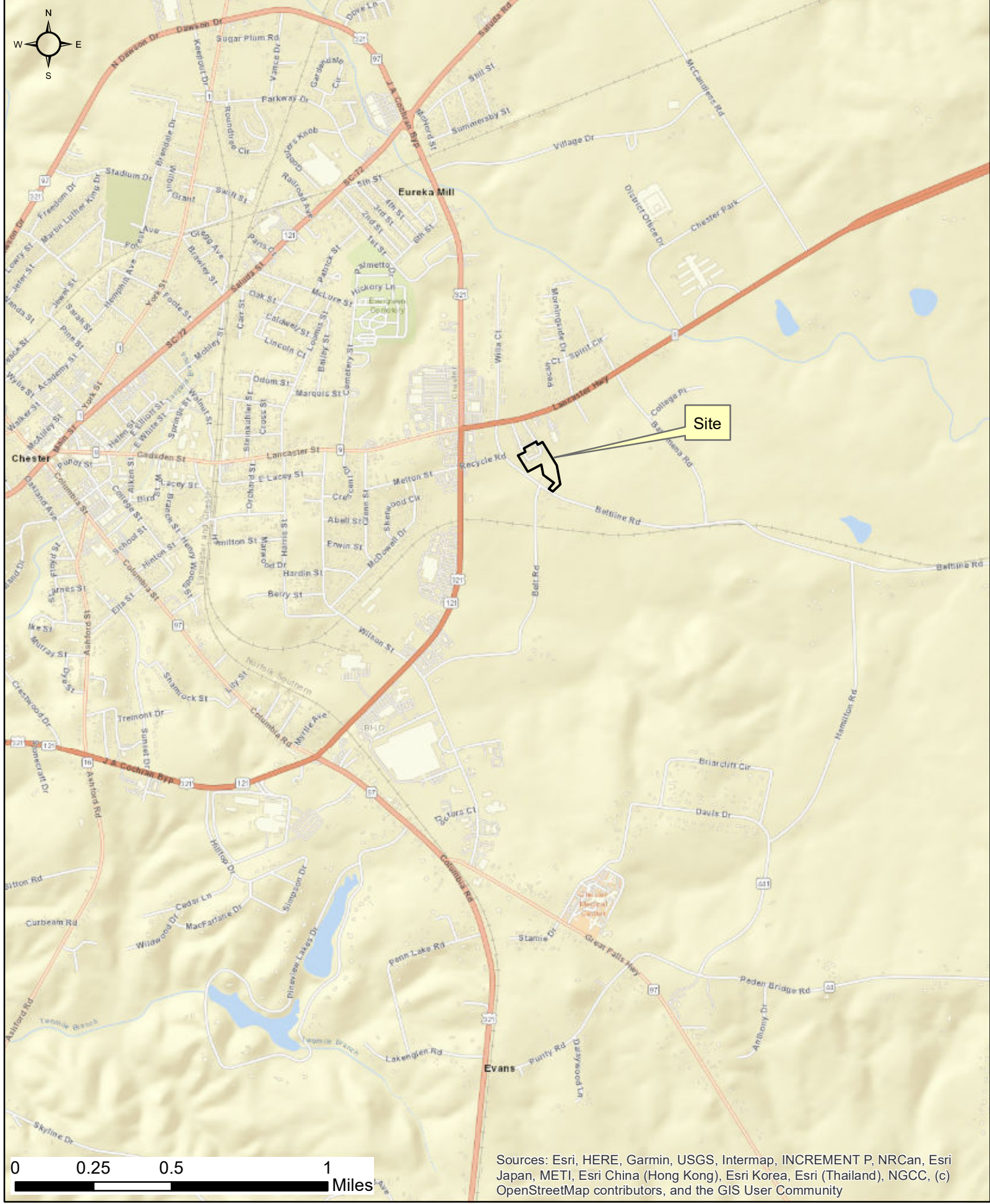


Christopher M. Lake, PWS
President



Robert H. Bunch, Jr., PWS
Vice President

Attachments: Figure 1. Site Location
 Figure 2. Soils
 Figure 3. National Wetlands Inventory
 Figure 4. USGS Topo Map
 Figure 5. Digital Elevation Model
 Figure 6. Approximate Waters Map
 Photographs
 Data Sheets (2)
 Resume for Chris Lake
 SC Housing – Exhibit W Form



Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Figure 1. Location
New Chester Townhouses Phase II, LP
Chester County, SC
May 15, 2024



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



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

Figure 3. NWI
New Chester Townhouses Phase II, LP
Chester County, SC
May 15, 2024



Copyright:© 2013 National Geographic Society, i-cubed

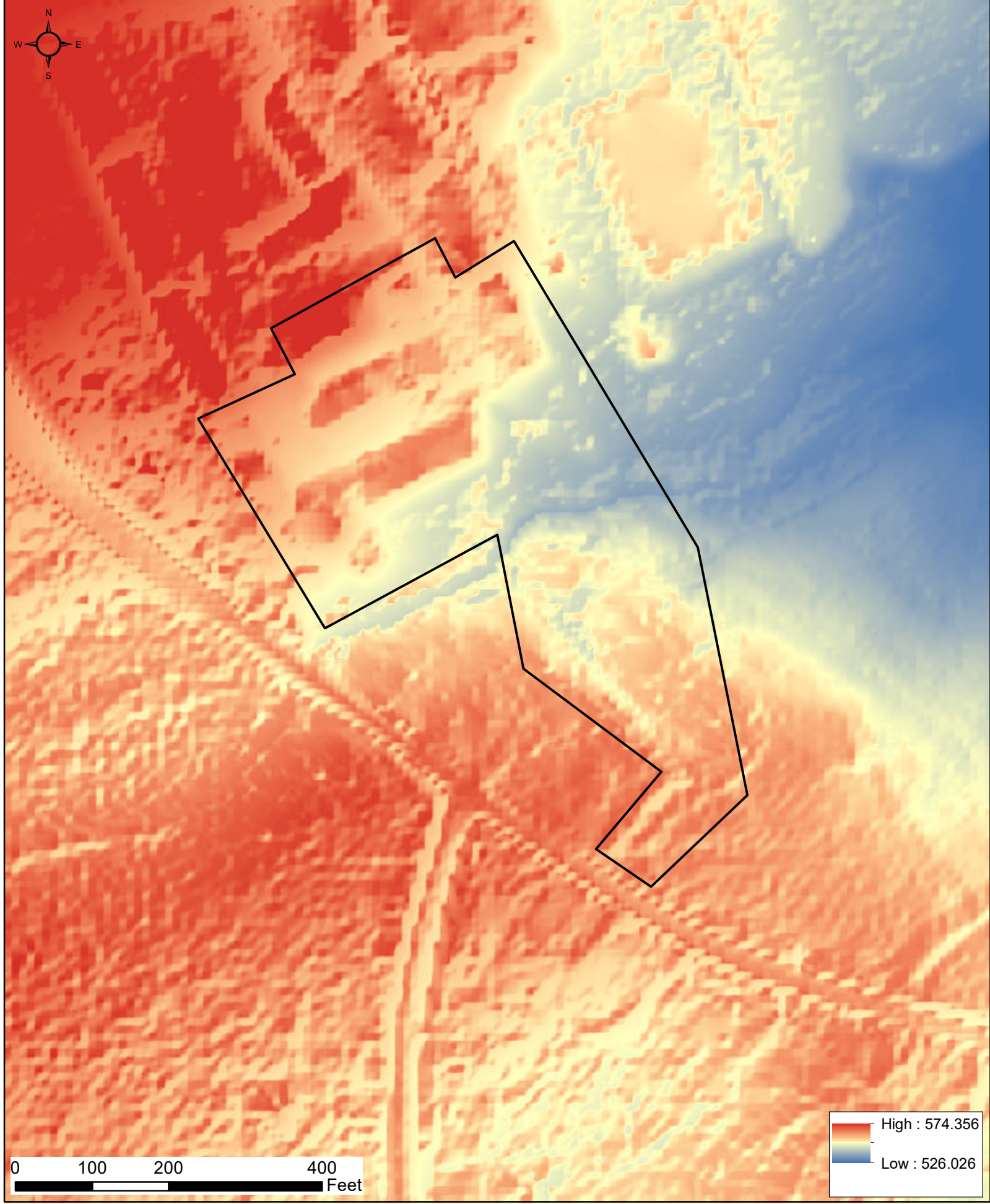


Figure 5. Digital Elevation Model
New Chester Townhouses Phase II, LP
Chester County, SC
May 15, 2024

DO NOT USE FOR SITE DESIGN

Note: Waters were delineated by PEC in May 2024. Wetlands were flagged with pink WETLAND BOUNDARY flags, streams with blue and white striped with a width on each flag. Locations and extents of waters shown here were approximated during the delineation and had not been surveyed or verified by the US Army Corps of Engineers at the time this map was prepared. This map should be used for preliminary planning purposes only. PEC assumes no liability for others' use of this map. A survey of delineated waters/wetlands will supersede this map.



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

Figure 6. Approximate Waters Map
New Chester Townhouses Phase II, LP
Chester County, SC
May 15, 2024



Photo 1. Floodplain adjacent to Stream A, facing SSE



Photo 2. Soil profile in floodplain.



Photo 3. Stream A, facing WSW (upstream).



Photo 4. Stream A upstream of Photo 3, facing SW.



Photo 5. South side of Stream A on hillside, facing SSW.



Photo 6. Upgradient end of Wetland B, facing NW into wetland. Data Point 1 taken here.



Photo 7. Same location as Photo 6, facing S into uplands upgradient of Wetland B. Data Point 2 taken here.



Photo 8. Wetland B, facing SE (upgradient).

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Eastern Mountains and Piedmont Region See ERDC/EL TR-12-9; the proponent agency is CECW-CO-R	OMB Control #: 0710-0024, Exp:11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)
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Project/Site: New Chester Townhouses Phase II, LP City/County: Chester/Chester Sampling Date: 5/13/24
Applicant/Owner: CAHEC Property Corporation State: SC Sampling Point: DP1 wet B
Investigator(s): Chris Lake Section, Township, Range: _____
Landform (hillside, terrace, etc.): terrace/draw Local relief (concave, convex, none): rolling Slope (%): 3
Subregion (LRR or MLRA): LRR P, MLRA 136 Lat: 34.7040 Long: -81.1856 Datum: NAD83
Soil Map Unit Name: IdB - Iredell fine sandy loam, 1-6% 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 <u>X</u> No _____ Wetland Hydrology Present? Yes <u>X</u> No _____	Is the Sampled Area within a Wetland? Yes <u>X</u> No _____
Remarks: This data point appears to be located within wetlands.	

HYDROLOGY

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u> <u>X</u> Surface Water (A1) _____ True Aquatic Plants (B14) _____ High Water Table (A2) _____ Hydrogen Sulfide Odor (C1) <u>X</u> 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) <u>X</u> Water-Stained Leaves (B9) _____ Aquatic Fauna (B13)	<u>Secondary Indicators (minimum of two required)</u> _____ Surface Soil Cracks (B6) <u>X</u> Sparsely Vegetated Concave Surface (B8) <u>X</u> 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) <u>X</u> FAC-Neutral Test (D5)
Field Observations: Surface Water Present? Yes <u>X</u> No _____ Depth (inches): <u>1</u> Water Table Present? Yes _____ No <u>X</u> Depth (inches): _____ Saturation Present? Yes <u>X</u> No _____ Depth (inches): <u>0</u> (includes capillary fringe)	Wetland Hydrology Present? Yes <u>X</u> No _____
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks: This data point appears to contain wetland hydrology.	

Sampling Point: DP1 wet B

Tree Stratum (Plot size: 10m x 10m)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>Pinus taeda</u>	10	Yes	FAC
2. <u>Ulmus rubra</u>	15	Yes	FAC
3. <u>Quercus nigra</u>	10	Yes	FAC
4. <u>Liquidambar styraciflua</u>	10	Yes	FAC
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
45 =Total Cover			
50% of total cover: 23		20% of total cover: 9	
Sapling/Shrub Stratum (Plot size: 5m x 5m)			
1. <u>Ligustrum sinense</u>	10	Yes	FACU
2. <u>Cornus amomum</u>	10	Yes	FACW
3. <u>Juniperus virginiana</u>	15	Yes	FACU
4. <u>Elaeagnus angustifolia</u>	10	Yes	FACU
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
8. _____	_____	_____	_____
9. _____	_____	_____	_____
45 =Total Cover			
50% of total cover: 23		20% of total cover: 9	
Herb Stratum (Plot size: 5m x 5m)			
1. <u>Ligustrum sinense</u>	10	Yes	FACU
2. <u>Toxicodendron radicans</u>	5	No	FAC
3. <u>Liquidambar styraciflua</u>	5	No	FAC
4. <u>Cornus amomum</u>	5	No	FACW
5. <u>Parthenocissus quinquefolia</u>	5	No	FACU
6. <u>Campsis radicans</u>	5	No	FAC
7. <u>Chasmanthium laxum</u>	30	Yes	FAC
8. _____	_____	_____	_____
9. _____	_____	_____	_____
10. _____	_____	_____	_____
11. _____	_____	_____	_____
65 =Total Cover			
50% of total cover: 33		20% of total cover: 13	
Woody Vine Stratum (Plot size: 5m x 5m)			
1. <u>Vitis rotundifolia</u>	5	Yes	FAC
2. <u>Campsis radicans</u>	5	Yes	FAC
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
10 =Total Cover			
50% of total cover: 5		20% of total cover: 2	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 8 (A)

Total Number of Dominant Species Across All Strata: 12 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 66.7% (A/B)

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 = _____	

Hydrophytic Vegetation Indicators:

_____ 1 - Rapid Test for Hydrophytic Vegetation

☒ 2 - Dominance Test is >50%

_____ 3 - Prevalence Index is ≤3.0¹

_____ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)

_____ Problematic Hydrophytic Vegetation¹ (Explain)

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

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.

Hydrophytic Vegetation Present?

Yes <input checked="" type="checkbox"/>	No _____
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Remarks: (Include photo numbers here or on a separate sheet.)
This data point appears to contain a predominance of hydrophytic vegetation.

SOIL

Sampling Point: DP1 wet B

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		
0-8	10YR 4/1	90	10YR 6/6	10			Loamy/Clayey	
8-20	10YR 6/2	85	10YR 6/6	15			Loamy/Clayey	
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.			² Location: PL=Pore Lining, M=Matrix.					
Hydric Soil Indicators:			Indicators for Problematic Hydric Soils³:					
<input type="checkbox"/> Histosol (A1)			<input type="checkbox"/> Polyvalue Below Surface (S8) (MLRA 147, 148)			<input type="checkbox"/> 2 cm Muck (A10) (MLRA 147)		
<input type="checkbox"/> Histic Epipedon (A2)			<input type="checkbox"/> Thin Dark Surface (S9) (MLRA 147, 148)			<input type="checkbox"/> Coast Prairie Redox (A16)		
<input type="checkbox"/> Black Histic (A3)			<input type="checkbox"/> Loamy Mucky Mineral (F1) (MLRA 136)			<input type="checkbox"/> (MLRA 147, 148)		
<input type="checkbox"/> Hydrogen Sulfide (A4)			<input type="checkbox"/> Loamy Gleyed Matrix (F2)			<input type="checkbox"/> Piedmont Floodplain Soils (F19)		
<input type="checkbox"/> Stratified Layers (A5)			<input checked="" type="checkbox"/> Depleted Matrix (F3)			<input type="checkbox"/> (MLRA 136, 147)		
<input type="checkbox"/> 2 cm Muck (A10) (LRR N)			<input type="checkbox"/> Redox Dark Surface (F6)			<input type="checkbox"/> Red Parent Material (F21)		
<input type="checkbox"/> Depleted Below Dark Surface (A11)			<input type="checkbox"/> Depleted Dark Surface (F7)			<input type="checkbox"/> (outside MLRA 127, 147, 148)		
<input type="checkbox"/> Thick Dark Surface (A12)			<input type="checkbox"/> Redox Depressions (F8)			<input type="checkbox"/> Very Shallow Dark Surface (F22)		
<input type="checkbox"/> Sandy Mucky Mineral (S1)			<input type="checkbox"/> Iron-Manganese Masses (F12) (LRR N, MLRA 136)			<input type="checkbox"/> Other (Explain in Remarks)		
<input type="checkbox"/> Sandy Gleyed Matrix (S4)			<input type="checkbox"/> Umbric Surface (F13) (MLRA 122, 136)			³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.		
<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)								
Restrictive Layer (if observed):								
Type: _____						Hydric Soil Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Depth (inches): _____								
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-12-9; the proponent agency is CECW-CO-R	OMB Control #: 0710-0024, Exp:11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)
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Project/Site: New Chester Townhouses Phase II, LP City/County: Chester/Chester Sampling Date: 5/13/24
Applicant/Owner: CAHEC Property Corporation State: SC Sampling Point: DP2 up
Investigator(s): Chris Lake Section, Township, Range: _____
Landform (hillside, terrace, etc.): terrace/draw Local relief (concave, convex, none): rolling Slope (%): 3
Subregion (LRR or MLRA): LRR P, MLRA 136 Lat: 34.7040 Long: -81.1856 Datum: NAD83
Soil Map Unit Name: IdB - Iredell fine sandy loam, 1-6% 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 _____ No <u>X</u> 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>
Remarks: This data point appears to be located within 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)
Field Observations: Surface Water Present? Yes _____ No _____ Depth (inches): _____ Water Table Present? Yes _____ No _____ Depth (inches): _____ Saturation Present? Yes _____ No _____ Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? Yes _____ No <u>X</u>
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks: This data point does not appear to contain wetland hydrology.	

Sampling Point: DP2 up

Tree Stratum (Plot size: 10m x 10m)	Absolute % Cover	Dominant Species?	Indicator Status	
1. <u>Pinus taeda</u>	20	Yes	FAC	
2. <u>Juniperus virginiana</u>	30	Yes	FACU	
3. <u>Quercus nigra</u>	10	No	FAC	
4. <u>Liquidambar styraciflua</u>	15	No	FAC	
5. <u>Celtis occidentalis</u>	10	No	FACU	
6. _____				
7. _____				
	85 =Total Cover			
	50% of total cover: 43	20% of total cover: 17		
Sapling/Shrub Stratum (Plot size: 5m x 5m)				
1. <u>Ligustrum sinense</u>	5	Yes	FACU	
2. <u>Celtis occidentalis</u>	5	Yes	FACU	
3. <u>Juniperus virginiana</u>	15	Yes	FACU	
4. <u>Prunus serotina</u>	5	Yes	FACU	
5. _____				
6. _____				
7. _____				
8. _____				
9. _____				
	30 =Total Cover			
	50% of total cover: 15	20% of total cover: 6		
Herb Stratum (Plot size: 5m x 5m)				
1. <u>Ligustrum sinense</u>	10	Yes	FACU	
2. <u>Nandina domestica</u>	2	No	UPL	
3. <u>Liquidambar styraciflua</u>	5	Yes	FAC	
4. <u>Lonicera japonica</u>	5	Yes	FACU	
5. <u>Parthenocissus quinquefolia</u>	5	Yes	FACU	
6. <u>Campsis radicans</u>	5	Yes	FAC	
7. _____				
8. _____				
9. _____				
10. _____				
11. _____				
	32 =Total Cover			
	50% of total cover: 16	20% of total cover: 7		
Woody Vine Stratum (Plot size: 5m x 5m)				
1. <u>Vitis rotundifolia</u>	5	Yes	FAC	
2. <u>Campsis radicans</u>	5	Yes	FAC	
3. _____				
4. _____				
5. _____				
	10 =Total Cover			
	50% of total cover: 5	20% of total cover: 2		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A)

Total Number of Dominant Species Across All Strata: 13 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 38.5% (A/B)

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 = _____	

Hydrophytic Vegetation Indicators:

____ 1 - Rapid Test for Hydrophytic Vegetation

____ 2 - Dominance Test is >50%

____ 3 - Prevalence Index is ≤3.0¹

____ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)

____ Problematic Hydrophytic Vegetation¹ (Explain)

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

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.

Hydrophytic Vegetation Present?

Yes	No
<u> </u>	<u> </u>

Remarks: (Include photo numbers here or on a separate sheet.)
This data point does not appear 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		
0-8	10YR 5/3	100					Loamy/Clayey	
8-20	10YR 6/6	100					Loamy/Clayey	
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.							² Location: PL=Pore Lining, M=Matrix.	
Hydric Soil Indicators:			Indicators for Problematic Hydric Soils³:					
<input type="checkbox"/> Histosol (A1)			<input type="checkbox"/> Polyvalue Below Surface (S8) (MLRA 147, 148)			<input type="checkbox"/> 2 cm Muck (A10) (MLRA 147)		
<input type="checkbox"/> Histic Epipedon (A2)			<input type="checkbox"/> Thin Dark Surface (S9) (MLRA 147, 148)			<input type="checkbox"/> Coast Prairie Redox (A16)		
<input type="checkbox"/> Black Histic (A3)			<input type="checkbox"/> Loamy Mucky Mineral (F1) (MLRA 136)			<input type="checkbox"/> (MLRA 147, 148)		
<input type="checkbox"/> Hydrogen Sulfide (A4)			<input type="checkbox"/> Loamy Gleyed Matrix (F2)			<input type="checkbox"/> Piedmont Floodplain Soils (F19)		
<input type="checkbox"/> Stratified Layers (A5)			<input type="checkbox"/> Depleted Matrix (F3)			<input type="checkbox"/> (MLRA 136, 147)		
<input type="checkbox"/> 2 cm Muck (A10) (LRR N)			<input type="checkbox"/> Redox Dark Surface (F6)			<input type="checkbox"/> Red Parent Material (F21)		
<input type="checkbox"/> Depleted Below Dark Surface (A11)			<input type="checkbox"/> Depleted Dark Surface (F7)			<input type="checkbox"/> (outside MLRA 127, 147, 148)		
<input type="checkbox"/> Thick Dark Surface (A12)			<input type="checkbox"/> Redox Depressions (F8)			<input type="checkbox"/> Very Shallow Dark Surface (F22)		
<input type="checkbox"/> Sandy Mucky Mineral (S1)			<input type="checkbox"/> Iron-Manganese Masses (F12) (LRR N,			<input type="checkbox"/> Other (Explain in Remarks)		
<input type="checkbox"/> Sandy Gleyed Matrix (S4)			<input type="checkbox"/> MLRA 136)					
<input type="checkbox"/> Sandy Redox (S5)			<input type="checkbox"/> Umbric Surface (F13) (MLRA 122, 136)			³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.		
<input type="checkbox"/> Stripped Matrix (S6)			<input type="checkbox"/> Piedmont Floodplain Soils (F19) (MLRA 148)					
<input type="checkbox"/> Dark Surface (S7)			<input type="checkbox"/> 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.								

Resume for Christopher M. Lake – President

Education

Masters Degree (MPH), Environmental Quality, University of South Carolina, 1999
Bachelors Degree (BS), Biology, The Citadel, 1995

Continuing Education

- 38-Hour Army Corps of Engineers Wetland Delineation & Management Training Program, Richard Chinn Environmental Training, Inc.
- Hydric Soils Classification, US Army Corps of Engineers
- Interagency Consultation for Endangered Species (Section 7), D&D WEST
- Identification of Grasses, Sedges, and Rushes, D&D WEST
- Stream Classification & Assessment, NC Stream Restoration Institute
- Stream Restoration Design Principles, NC Stream Restoration Institute
- Identification of Grasses, Sedges, and Rushes, D&D WEST

Professional Certifications

- Professional Wetland Scientist (PWS), Society of Wetland Scientists (PWS #3310)

Work History

1995-2000 SC Department of Health and Environmental Control, Columbia, SC

Duties over the five-year period included wastewater sampling, ambient stream sampling, recreational waters program, and Project Manager in 401 Water Quality Certification (prerequisite to US Army Corps of Engineers' Section 404 permit).

2000-2004 MACTEC (formerly Law Engineering), Columbia, SC

Duties as a Senior Scientist included jurisdictional waters/wetlands delineation, jurisdictional waters/wetland permitting (Section 404), wetland mitigation, protected species assessments, habitat assessments, limited cultural resources assessments, and project management.

2004-2007 Carolina Wetland Services, Lexington, SC

Chris started the Lexington, SC office for Carolina Wetland Services, an environmental consulting company based in Charlotte, NC. He was the office manager and technical review principal. His major duties included jurisdictional waters/wetlands delineation, jurisdictional waters/wetland permitting (Section 404), wetland mitigation, protected species assessments, habitat assessments, limited cultural resources assessments, and project management.

2007-present Palmetto Environmental Consulting, Inc., Lexington, SC

Chris and his business partner, Robert Bunch, started their present company, where Chris serves as President. His major duties include jurisdictional waters/wetlands delineation, jurisdictional waters/wetland permitting (Section 404), wetland mitigation, protected species assessments, habitat assessments, limited cultural resources assessments, and project management.

Contact Chris at 803-463-2764 or chris.lake@palmettoenv.com.

