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July 12, 2024

Mr. Kevin Murphrey  
Soil & Environmental Consultants, Inc.  
8412 Falls of Neuse Road, Suite 105  
Raleigh, NC 27615

Project Name: Parcel # 19725

Location: 80 New Hope Church Road

Project Number WP-24-317

Subject Features: Two (2) ephemeral segments, two (2) intermittent segments, and four (4) potential wetlands

Dear Mr. Murphrey,

**Explanation:**

The site visit was completed by Kevin Murphrey of Soil & Environmental Consultants, Inc., (S&EC), on a property identified as Chatham County Parcel # 19725 that is located within the Jordan Lake watershed. S&EC personnel completed a previous site visit in April and June 2024, and identified two (2) ephemeral segments, two (2) intermittent segments, and four (4) potential wetlands within the review area that are potentially subject to riparian buffers through the Chatham County Watershed Protection Ordinance. S&EC submitted a request for Chatham County to complete a formal review to determine if the features would be subject to riparian buffers according to Section 304 of the Chatham County Watershed Protection Ordinance.

**Summary of Findings**

Chatham County staff confirms the findings of S&EC personnel.

**Required Buffers Required**

The required riparian buffers provided below are in accordance with Section 304(D) of the Chatham County Watershed Protection Ordinance.

**Section 304(D)(2) – Intermittent Streams**

The riparian buffer shall be fifty (50’) feet landward, measured horizontally on a line perpendicular from top of bank; this distance shall be measured on all sides of intermittent streams.

**Section 304(D)(3) – Ephemeral Streams**

The riparian buffer shall be thirty (30’) feet landward, measured horizontally on a line perpendicular from top of bank; this distance shall be measured on all sides along all ephemeral streams.

**Section 304(D)(4) – Jurisdictional and Non-Jurisdictional Wetlands**

The riparian buffer shall be fifty (50’) feet landward, measured horizontally on a line perpendicular from the delineated boundary, surrounding all features classified as wetlands and linear wetlands. **The potential wetlands identified by S&EC have not been confirmed by the US Army Corps of Engineers. Once the USACE confirmation is received the 50-ft riparian buffers will be required from the flagged confirmed wetland boundaries.**



Impacts to Riparian Buffers:

Impacts to the riparian buffers may require a Riparian Buffer Authorization depending on the size and scope of the impacts. Please refer to Section 304 (J)(3) of the Chatham County Watershed Protection Ordinance to determine if your impacts will require a Riparian Buffer Authorization. If you determine that a Riparian Buffer Authorization is required, please contact Drew Blake to receive the required application and submittal instructions.

This on-site determination shall expire five (5) years from the date of this letter. Landowners or affected parties that dispute a determination made by Chatham County, on parcels outside of the Jordan Lake watershed, may submit a request for appeal in writing to the Watershed Review Board. A request for a determination by the Watershed Review Board shall be made in accordance with Section 304 of the Chatham County Watershed Protection Ordinance. Landowners or affected parties that dispute a determination made by Chatham County, on parcels inside the Jordan Lake watershed, shall submit a request for appeal in writing to NC DWR, 401 & Buffer Permitting Unit, 1650 Mail Service Center, Raleigh, NC 27669-1650 attention of the Director of the NC Division of Water Quality.

Should this project result in any direct impacts to surface water features (i.e., crossing and/or filling streams or wetlands) additional reviews may be necessary. Additionally, a Section 404/401 Permit may be required. Any inquiries regarding Section 404/401 permitting should be directed to the Division of Water Resources (Central Office) at (919)-807-6364 and the US Army Corp of Engineers (Raleigh Regulatory Field Office) at (919)-554-4884.

Respectfully,

Drew Blake  
Assistant Director, CESSWI  
Chatham County Watershed Protection Department

Enclosures:









Wetland Sketch Map – Completed by S&EC  
NC DWQ – Stream Determination forms v. 4.11 – Completed by S&EC  
USACE Wetland Determination Data Sheets – Completed by S&EC  
Major Subdivision Riparian Buffer Application  
Authorized Agent Form  
Authorization to Enter Property Form

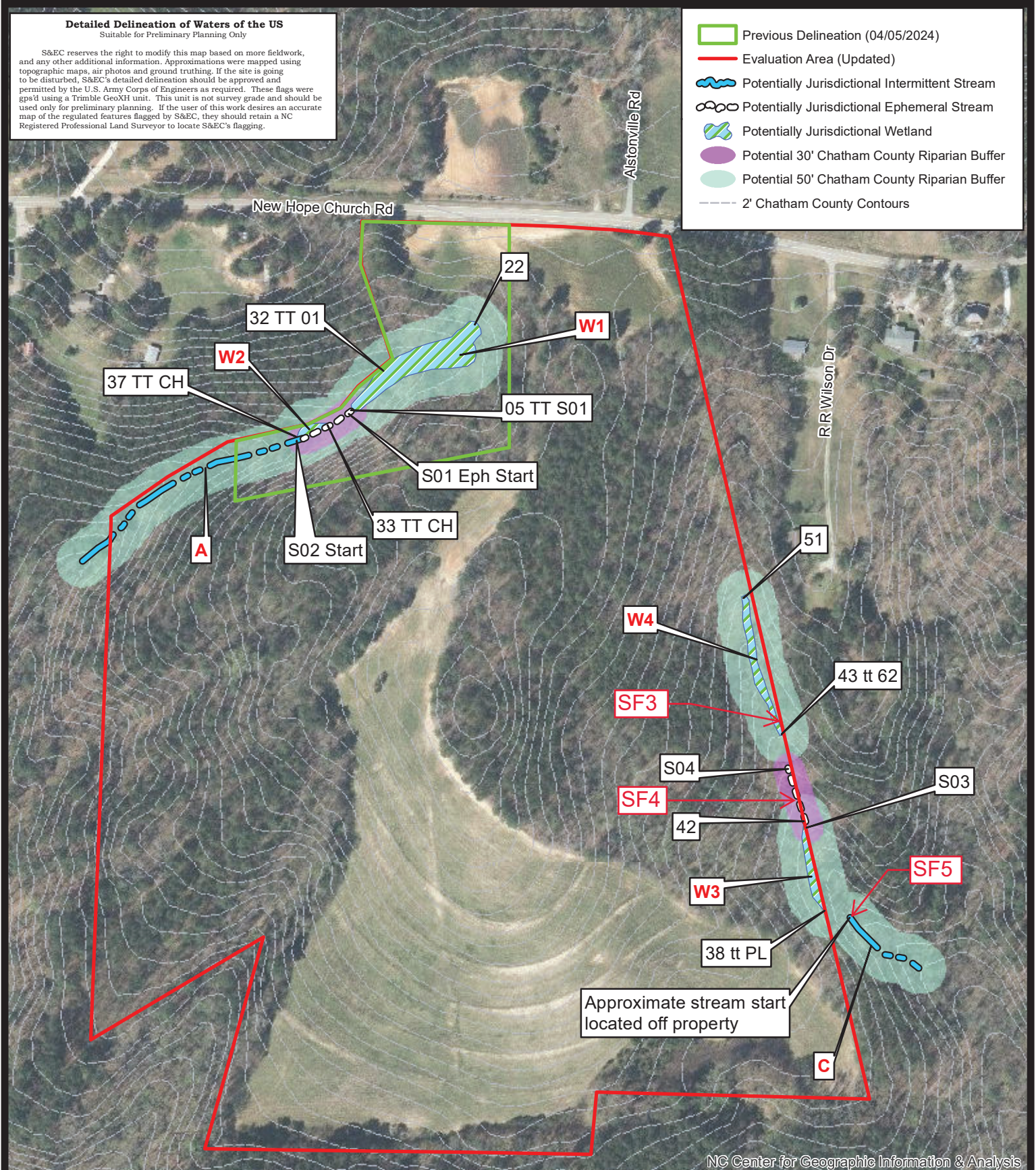
cc: Taylor Burton, Sr. Watershed Specialist, Chatham County Watershed Protection Department  
Phillip Cox, Sr. Watershed Specialist, Chatham County Watershed Protection Department  
Justin Hasenfus, Erosion Control Program Manager, Chatham County Watershed Protection Dept  
Rachael Thorn, Director, Chatham County Watershed Protection Department  
Kimberly Tyson, Planner II/Subdivision Administrator, Chatham County Planning Department  
Angela Plummer, Planner II/Zoning Administrator, Chatham County Planning Department  
Jason Sullivan, Director, Chatham County Planning Department  
Rachel Capito, Regulatory Project Manager, US Army Corps of Engineers, Raleigh Field Office  
Zachary Thomas, Environmental Program Consultant, NCDEQ - Division of Water Resources



**Detailed Delineation of Waters of the US**  
Suitable for Preliminary Planning Only

S&EC reserves the right to modify this map based on more fieldwork, and any other additional information. Approximations were mapped using topographic maps, air photos and ground truthing. If the site is going to be disturbed, S&EC's detailed delineation should be approved and permitted by the U.S. Army Corps of Engineers as required. These flags were GPS'd using a Trimble GeoXH unit. This unit is not survey grade and should be used only for preliminary planning. If the user of this work desires an accurate map of the regulated features flagged by S&EC, they should retain a NC Registered Professional Land Surveyor to locate S&EC's flagging.

-  Previous Delineation (04/05/2024)
-  Evaluation Area (Updated)
-  Potentially Jurisdictional Intermittent Stream
-  Potentially Jurisdictional Ephemeral Stream
-  Potentially Jurisdictional Wetland
-  Potential 30' Chatham County Riparian Buffer
-  Potential 50' Chatham County Riparian Buffer
-  2' Chatham County Contours



NC Center for Geographic Information & Analysis

Project Number: **12950.W6**

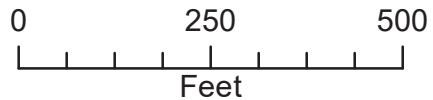
Project Manager: **SB**

Scale: **1" = 250'**

Date: **06/17/2024**

Map Title:  
**Wetland Sketch Map**  
**New Hope Overlook (Nunn)**  
**Chatham County, NC**

Source:  
**Aerials from NC OneMap**



**Soil & Environmental Consultants, Inc.**  
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sandes.com



**NC Division of Water Quality –Methodology for Identification of Intermittent and Perennial Streams and Their Origins v. 4.11**

**NC DWQ Stream Identification Form Version 4.11**

**SF1**

<b>Date:</b> 4/5/2024	<b>Project/Site:</b> Nunn Property	<b>Latitude:</b> 35.817401
<b>Evaluator:</b> S&EC- K. Murphrey	<b>County:</b> Chatham	<b>Longitude:</b> -78.962084
<b>Total Points:</b> <i>Stream is at least intermittent if ≥ 19 or perennial if ≥ 30*</i> 15.5	<b>Stream Determination (circle one)</b> Ephemeral Intermittent Perennial	<b>Other</b> <i>e.g. Quad Name:</i>

**A. Geomorphology (Subtotal = 7)**

	Absent	Weak	Moderate	Strong
1 <sup>a</sup> Continuity of channel bed and bank	0	1	2	3
2. Sinuosity of channel along thalweg	0	1	2	3
3. In-channel structure: ex. riffle-pool, step-pool, ripple-pool sequence	0	1	2	3
4. Particle size of stream substrate	0	1	2	3
5. Active/relict floodplain	0	1	2	3
6. Depositional bars or benches	0	1	2	3
7. Recent alluvial deposits	0	1	2	3
8. Headcuts	0	1	2	3
9. Grade control	0	0.5	1	1.5
10. Natural valley	0	0.5	1	1.5
11. Second or greater order channel	No = 0		Yes = 3	

<sup>a</sup> artificial ditches are not rated; see discussions in manual

**B. Hydrology (Subtotal = 5.5)**

12. Presence of Baseflow	0	1	2	3
13. Iron oxidizing bacteria	0	1	2	3
14. Leaf litter	1.5	1	0.5	0
15. Sediment on plants or debris	0	0.5	1	1.5
16. Organic debris lines or piles	0	0.5	1	1.5
17. Soil-based evidence of high water table?	No = 0		Yes = 3	

**C. Biology (Subtotal = 3)**

18. Fibrous roots in streambed	3	2	1	0
19. Rooted upland plants in streambed	3	2	1	0
20. Macroinvertebrates (note diversity and abundance)	0	1	2	3
21. Aquatic Mollusks	0	1	2	3
22. Fish	0	0.5	1	1.5
23. Crayfish	0	0.5	1	1.5
24. Amphibians	0	0.5	1	1.5
25. Algae	0	0.5	1	1.5
26. Wetland plants in streambed	FACW = 0.75; OBL = 1.5 Other = 0			

\*perennial streams may also be identified using other methods. See p. 35 of manual.

**Notes:**

**Sketch:**

**NC Division of Water Quality –Methodology for Identification of Intermittent and Perennial Streams and Their Origins v. 4.11**

**NC DWQ Stream Identification Form Version 4.11**

**SF2**

<b>Date:</b> 4/5/2024	<b>Project/Site:</b> Nunn Property	<b>Latitude:</b> 35.817267
<b>Evaluator:</b> S&EC- K. Murphrey	<b>County:</b> Chatham	<b>Longitude:</b> -78.962552
<b>Total Points:</b> <i>Stream is at least intermittent if ≥ 19 or perennial if ≥ 30*</i> 23	<b>Stream Determination (circle one)</b> Ephemeral Intermittent Perennial	<b>Other</b> e.g. Quad Name:

**A. Geomorphology (Subtotal = 8)**

	Absent	Weak	Moderate	Strong
1 <sup>a</sup> Continuity of channel bed and bank	0	1	2	3
2. Sinuosity of channel along thalweg	0	1	2	3
3. In-channel structure: ex. riffle-pool, step-pool, ripple-pool sequence	0	1	2	3
4. Particle size of stream substrate	0	1	2	3
5. Active/relict floodplain	0	1	2	3
6. Depositional bars or benches	0	1	2	3
7. Recent alluvial deposits	0	1	2	3
8. Headcuts	0	1	2	3
9. Grade control	0	0.5	1	1.5
10. Natural valley	0	0.5	1	1.5
11. Second or greater order channel	No = 0		Yes = 3	

<sup>a</sup> artificial ditches are not rated; see discussions in manual

**B. Hydrology (Subtotal = 8.5)**

12. Presence of Baseflow	0	1	2	3
13. Iron oxidizing bacteria	0	1	2	3
14. Leaf litter	1.5	1	0.5	0
15. Sediment on plants or debris	0	0.5	1	1.5
16. Organic debris lines or piles	0	0.5	1	1.5
17. Soil-based evidence of high water table?	No = 0		Yes = 3	

**C. Biology (Subtotal = 6.5)**

18. Fibrous roots in streambed	3	2	1	0
19. Rooted upland plants in streambed	3	2	1	0
20. Macroinvertebrates (note diversity and abundance)	0	1	2	3
21. Aquatic Mollusks	0	1	2	3
22. Fish	0	0.5	1	1.5
23. Crayfish	0	0.5	1	1.5
24. Amphibians	0	0.5	1	1.5
25. Algae	0	0.5	1	1.5
26. Wetland plants in streambed	FACW = 0.75; OBL = 1.5 Other = 0			

\*perennial streams may also be identified using other methods. See p. 35 of manual.

**Notes:**

**Sketch:**

**NC Division of Water Quality –Methodology for Identification of Intermittent and Perennial Streams and Their Origins v. 4.11**

**NC DWQ Stream Identification Form Version 4.11**

SF3

Date: 06/17/24	Project/Site: Nunn PDP	Latitude: 35.815844
Evaluator: S&EC-K. Murphy	County: Chatham	Longitude: -78.959189
<b>Total Points:</b> Stream is at least intermittent if $\geq 19$ or perennial if $\geq 30^*$ 6.5	<b>Stream Determination (circle one)</b> Ephemeral Intermittent Perennial	<b>Other</b> e.g. Quad Name:

**A. Geomorphology (Subtotal = 1.5)**

	Absent	Weak	Moderate	Strong
1 <sup>a</sup> Continuity of channel bed and bank	0	(1)	2	3
2. Sinuosity of channel along thalweg	(0)	1	2	3
3. In-channel structure: ex. riffle-pool, step-pool, ripple-pool sequence	(0)	1	2	3
4. Particle size of stream substrate	(0)	1	2	3
5. Active/relict floodplain	(0)	1	2	3
6. Depositional bars or benches	(0)	1	2	3
7. Recent alluvial deposits	(0)	1	2	3
8. Headcuts	(0)	1	2	3
9. Grade control	(0)	0.5	1	1.5
10. Natural valley	0	(0.5)	1	1.5
11. Second or greater order channel	No = 0		Yes = 3	

<sup>a</sup> artificial ditches are not rated; see discussions in manual

**B. Hydrology (Subtotal = 1)**

12. Presence of Baseflow	(0)	1	2	3
13. Iron oxidizing bacteria	(0)	1	2	3
14. Leaf litter	1.5	(1)	0.5	0
15. Sediment on plants or debris	(0)	0.5	1	1.5
16. Organic debris lines or piles	(0)	0.5	1	1.5
17. Soil-based evidence of high water table?	No = 0		Yes = 3	

**C. Biology (Subtotal = 4)**

18. Fibrous roots in streambed	3	2	(1)	0
19. Rooted upland plants in streambed	(3)	2	1	0
20. Macrobenthos (note diversity and abundance)	(0)	1	2	3
21. Aquatic Mollusks	(0)	1	2	3
22. Fish	(0)	0.5	1	1.5
23. Crayfish	(0)	0.5	1	1.5
24. Amphibians	(0)	0.5	1	1.5
25. Algae	(0)	0.5	1	1.5
26. Wetland plants in streambed	FACW = 0.75; OBL = 1.5 Other = 0			

\*perennial streams may also be identified using other methods. See p. 35 of manual.

Notes:

Sketch:

**NC Division of Water Quality –Methodology for Identification of Intermittent and Perennial Streams and Their Origins v. 4.11**

**NC DWQ Stream Identification Form Version 4.11**

SFL4

Date: 06/17/24	Project/Site: Nunn PDP	Latitude: 35.815444
Evaluator: STEC-K. Murphy	County: Chatuom	Longitude: -78.959056
Total Points: Stream is at least intermittent if $\geq 19$ or perennial if $\geq 30^*$ 15	Stream Determination (circle one) Ephemeral Intermittent Perennial	Other e.g. Quad Name:

**A. Geomorphology (Subtotal = 5.5)**

	Absent	Weak	Moderate	Strong
1 <sup>a</sup> Continuity of channel bed and bank	0	1	2	3
2. Sinuosity of channel along thalweg	0	1	2	3
3. In-channel structure: ex. riffle-pool, step-pool, ripple-pool sequence	0	1	2	3
4. Particle size of stream substrate	0	1	2	3
5. Active/relict floodplain	0	1	2	3
6. Depositional bars or benches	0	1	2	3
7. Recent alluvial deposits	0	1	2	3
8. Headcuts	0	1	2	3
9. Grade control	0	0.5	1	1.5
10. Natural valley	0	0.5	1	1.5
11. Second or greater order channel	No = 0		Yes = 3	

<sup>a</sup> artificial ditches are not rated; see discussions in manual

**B. Hydrology (Subtotal = 4.5)**

12. Presence of Baseflow	0	1	2	3
13. Iron oxidizing bacteria	0	1	2	3
14. Leaf litter	1.5	1	0.5	0
15. Sediment on plants or debris	0	0.5	1	1.5
16. Organic debris lines or piles	0	0.5	1	1.5
17. Soil-based evidence of high water table?	No = 0		Yes = 3	

**C. Biology (Subtotal = 5)**

18. Fibrous roots in streambed	3	2	1	0
19. Rooted upland plants in streambed	3	2	1	0
20. Macrobenthos (note diversity and abundance)	0	1	2	3
21. Aquatic Mollusks	0	1	2	3
22. Fish	0	0.5	1	1.5
23. Crayfish	0	0.5	1	1.5
24. Amphibians	0	0.5	1	1.5
25. Algae	0	0.5	1	1.5
26. Wetland plants in streambed	FACW = 0.75; OBL = 1.5 Other = 0			

\*perennial streams may also be identified using other methods. See p. 35 of manual.

Notes:

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Sketch:

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**NC Division of Water Quality –Methodology for Identification of Intermittent and Perennial Streams and Their Origins v. 4.11**

**NC DWQ Stream Identification Form Version 4.11**

SFS

Date: 06/17/24	Project/Site: Nann POP	Latitude: 35.814794
Evaluator: SDEC-K. Murphy	County: Chatnam	Longitude: -78.958695
<b>Total Points:</b> Stream is at least intermittent if $\geq 19$ or perennial if $\geq 30^*$ 19	<b>Stream Determination (circle one)</b> Ephemeral <input type="checkbox"/> <u>Intermittent</u> <input type="checkbox"/> Perennial <input type="checkbox"/>	<b>Other</b> e.g. Quad Name:

**A. Geomorphology (Subtotal = 9)**

	Absent	Weak	Moderate	Strong
1 <sup>a</sup> Continuity of channel bed and bank	0	1	2	3
2. Sinuosity of channel along thalweg	0	1	2	3
3. In-channel structure: ex. riffle-pool, step-pool, ripple-pool sequence	0	1	2	3
4. Particle size of stream substrate	0	1	2	3
5. Active/relict floodplain	0	1	2	3
6. Depositional bars or benches	0	1	2	3
7. Recent alluvial deposits	0	1	2	3
8. Headcuts	0	1	2	3
9. Grade control	0	0.5	1	1.5
10. Natural valley	0	0.5	1	1.5
11. Second or greater order channel	No = 0		Yes = 3	

<sup>a</sup> artificial ditches are not rated; see discussions in manual

**B. Hydrology (Subtotal = 5)**

12. Presence of Baseflow	0	1	2	3
13. Iron oxidizing bacteria	0	1	2	3
14. Leaf litter	1.5	1	0.5	0
15. Sediment on plants or debris	0	0.5	1	1.5
16. Organic debris lines or piles	0	0.5	1	1.5
17. Soil-based evidence of high water table?	No = 0		Yes = 3	

**C. Biology (Subtotal = 5)**

18. Fibrous roots in streambed	3	2	1	0
19. Rooted upland plants in streambed	3	2	1	0
20. Macroinvertebrates (note diversity and abundance)	0	1	2	3
21. Aquatic Mollusks	0	1	2	3
22. Fish	0	0.5	1	1.5
23. Crayfish	0	0.5	1	1.5
24. Amphibians	0	0.5	1	1.5
25. Algae	0	0.5	1	1.5
26. Wetland plants in streambed	FACW = 0.75; OBL = 1.5 Other = 0			

\*perennial streams may also be identified using other methods. See p. 35 of manual.

Notes:

Sketch:



Project/Site: New Hope Overlook Property City/County: Chatham Sampling Date: 06/17/2024  
 Applicant/Owner: Maurice Nunn State: NC Sampling Point: DP\_UP  
 Investigator(s): S&EC - Kevin Murphrey Section, Township, Range: NA  
 Landform (hillside, terrace, etc.): Hillslope Local relief (concave, convex, none): convex Slope (%): 2-4  
 Subregion (LRR or MLRA): LRR P, MLRA 136 Lat: 35.816799 Long: -78.959487 Datum: NAD 83  
 Soil Map Unit Name: CrC 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 <u>    </u> Hydric Soil Present? Yes <u>    </u> No <u>x</u> Wetland Hydrology Present? Yes <u>    </u> No <u>X</u>	<b>Is the Sampled Area within a Wetland?</b> Yes <u>    </u> No <u>X</u>
Remarks:	

**HYDROLOGY**

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

Remarks:

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

Sampling Point: DP\_UP

Tree Stratum (Plot size: <u>30' r</u> )	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>Liquidambar styraciflua</u>	<u>10</u>	<u>Yes</u>	<u>FAC</u>
2. <u>Pinus taeda</u>	<u>5</u>	<u>Yes</u>	<u>FAC</u>
3. <u>Acer rubrum</u>	<u>10</u>	<u>Yes</u>	<u>FAC</u>
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
<u>25</u> =Total Cover			
50% of total cover: <u>13</u> 20% of total cover: <u>5</u>			

Sapling/Shrub Stratum (Plot size: <u>15' r</u> )	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>Liquidambar styraciflua</u>	<u>10</u>	<u>Yes</u>	<u>FAC</u>
2. <u>Ligustrum sinense</u>	<u>10</u>	<u>Yes</u>	<u>FACU</u>
3. <u>Pinus taeda</u>	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
8. _____	_____	_____	_____
9. _____	_____	_____	_____
<u>20</u> =Total Cover			
50% of total cover: <u>10</u> 20% of total cover: <u>4</u>			

Herb Stratum (Plot size: <u>5' r</u> )	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>Polystichum acrostichoides</u>	<u>10</u>	<u>Yes</u>	<u>FACU</u>
2. <u>Mitchella repens</u>	<u>5</u>	<u>Yes</u>	<u>FACU</u>
3. <u>Lonicera japonica</u>	<u>5</u>	<u>Yes</u>	<u>FACU</u>
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
8. _____	_____	_____	_____
9. _____	_____	_____	_____
10. _____	_____	_____	_____
11. _____	_____	_____	_____
<u>20</u> =Total Cover			
50% of total cover: <u>10</u> 20% of total cover: <u>4</u>			

Woody Vine Stratum (Plot size: <u>30' r</u> )	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>Smilax rotundifolia</u>	<u>5</u>	<u>Yes</u>	<u>FAC</u>
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
<u>5</u> =Total Cover			
50% of total cover: <u>3</u> 20% of total cover: <u>1</u>			

**Dominance Test worksheet:**

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

Total Number of Dominant Species Across All Strata: 9 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 55.6% (A/B)

**Prevalence Index worksheet:**

Total % Cover of:	Multiply by:
OBL species <u>0</u>	x 1 = <u>0</u>
FACW species <u>0</u>	x 2 = <u>0</u>
FAC species <u>40</u>	x 3 = <u>120</u>
FACU species <u>30</u>	x 4 = <u>120</u>
UPL species <u>0</u>	x 5 = <u>0</u>
Column Totals: <u>70</u> (A)	<u>240</u> (B)
Prevalence Index = B/A = <u>3.43</u>	

**Hydrophytic Vegetation Indicators:**

   1 - Rapid Test for Hydrophytic Vegetation

X 2 - Dominance Test is >50%

   3 - Prevalence Index is ≤3.0<sup>1</sup>

   4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)

   Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)

<sup>1</sup>Indicators 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 X      No \_\_\_\_\_

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

**SOIL**

Sampling Point: DP\_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 <sup>1</sup>	Loc <sup>2</sup>		
0-20	7.5YR 5/4	100					Loamy/Clayey	

<sup>1</sup>Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. <sup>2</sup>Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:		Indicators for Problematic Hydric Soils <sup>3</sup> :	
<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)		
<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)		

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

<b>Restrictive Layer (if observed):</b> Type: _____ Depth (inches): _____	<b>Hydric Soil Present?</b> Yes _____ No <u>  x  </u>
---	---

Remarks:



Project/Site: New Hope Overlook Property City/County: Chatham Sampling Date: 06/17/2024  
 Applicant/Owner: Maurice Nunn State: NC Sampling Point: DP\_wet  
 Investigator(s): S&EC - Kevin Murphrey Section, Township, Range: NA  
 Landform (hillside, terrace, etc.): Drainage Local relief (concave, convex, none): concave Slope (%): 0-2  
 Subregion (LRR or MLRA): LRR P, MLRA 136 Lat: 35.816038 Long: -78.959299 Datum: NAD 83  
 Soil Map Unit Name: CrC 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 <u>    </u> Hydric Soil Present? Yes <u>X</u> No <u>    </u> Wetland Hydrology Present? Yes <u>X</u> No <u>    </u>	<b>Is the Sampled Area within a Wetland?</b> Yes <u>X</u> No <u>    </u>
Remarks:	

**HYDROLOGY**

<b>Wetland Hydrology Indicators:</b> <u>Primary Indicators</u> (minimum of one is required; check all that apply)	<u>Secondary Indicators</u> (minimum of two required)
<input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> True Aquatic Plants (B14) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Other (Explain in Remarks) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input checked="" type="checkbox"/> Water-Stained Leaves (B9) <input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry-Season Water Table (C2) <input checked="" type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input type="checkbox"/> FAC-Neutral Test (D5)

<b>Field Observations:</b> Surface Water Present? Yes <u>    </u> No <u>x</u> Depth (inches): <u>    </u> Water Table Present? Yes <u>    </u> No <u>x</u> Depth (inches): <u>    </u> Saturation Present? Yes <u>    </u> No <u>x</u> Depth (inches): <u>    </u> (includes capillary fringe)	<b>Wetland Hydrology Present?</b> Yes <u>X</u> No <u>    </u>
--	---

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

Remarks:

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

Sampling Point: DP\_wet

<u>Tree Stratum</u> (Plot size: <u>30' r</u> )	Absolute % Cover	Dominant Species?	Indicator Status	
1. <u>Liquidambar styraciflua</u>	<u>10</u>	Yes	FAC	<b>Dominance Test worksheet:</b> Number of Dominant Species That Are OBL, FACW, or FAC: <u>6</u> (A) Total Number of Dominant Species Across All Strata: <u>7</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>85.7%</u> (A/B)
2. <u>Carpinus caroliniana</u>	<u>5</u>	Yes	FAC	
3. <u>Acer rubrum</u>	<u>10</u>	Yes	FAC	
4. _____				
5. _____				
6. _____				
7. _____				
	<u>25</u> =Total Cover			<b>Prevalence Index worksheet:</b> Total % Cover of: _____ Multiply by: _____ OBL species <u>0</u> x 1 = <u>0</u> FACW species <u>10</u> x 2 = <u>20</u> FAC species <u>60</u> x 3 = <u>180</u> FACU species <u>10</u> x 4 = <u>40</u> UPL species <u>0</u> x 5 = <u>0</u> Column Totals: <u>80</u> (A) <u>240</u> (B) Prevalence Index = B/A = <u>3.00</u>
	50% of total cover: <u>13</u> 20% of total cover: <u>5</u>			
<u>Sapling/Shrub Stratum</u> (Plot size: <u>15' r</u> )				<b>Hydrophytic Vegetation Indicators:</b> <input type="checkbox"/> 1 - Rapid Test for Hydrophytic Vegetation <input checked="" type="checkbox"/> 2 - Dominance Test is >50% <input checked="" type="checkbox"/> 3 - Prevalence Index is ≤3.0 <sup>1</sup> <input type="checkbox"/> 4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
1. <u>Liquidambar styraciflua</u>	<u>10</u>	Yes	FAC	
2. <u>Ligustrum sinense</u>	<u>10</u>	Yes	FACU	
3. <u>Pinus taeda</u>				
4. _____				
5. _____				
6. _____				
	<u>20</u> =Total Cover			<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
	50% of total cover: <u>10</u> 20% of total cover: <u>4</u>			
<u>Herb Stratum</u> (Plot size: <u>5' r</u> )				<b>Definitions of Four Vegetation Strata:</b> <b>Tree</b> – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. <b>Sapling/Shrub</b> – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. <b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. <b>Woody Vine</b> – All woody vines greater than 3.28 ft in height.
1. <u>Boehmeria cylindrica</u>	<u>5</u>	No	FACW	
2. <u>Saururus cernuus</u>	<u>5</u>	No	FACW	
3. <u>Microstegium vimineum</u>	<u>20</u>	Yes	FAC	
4. _____				
5. _____				
6. _____				
7. _____				
8. _____				
9. _____				
10. _____				
11. _____				
	<u>30</u> =Total Cover			<b>Hydrophytic Vegetation Present?</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
	50% of total cover: <u>15</u> 20% of total cover: <u>6</u>			
<u>Woody Vine Stratum</u> (Plot size: <u>30' r</u> )				
1. <u>Smilax rotundifolia</u>	<u>5</u>	Yes	FAC	
2. _____				
3. _____				
4. _____				
5. _____				
	<u>5</u> =Total Cover			
	50% of total cover: <u>3</u> 20% of total cover: <u>1</u>			

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

**SOIL**

Sampling Point: DP\_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 <sup>1</sup>	Loc <sup>2</sup>		
0-20	10YR 4/2	90	2.5YR 4/4	10	C	M	Loamy/Clayey	Prominent redox concentrations

<sup>1</sup>Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.      <sup>2</sup>Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:		Indicators for Problematic Hydric Soils <sup>3</sup> :	
<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,	<input type="checkbox"/> Other (Explain in Remarks)	
<input type="checkbox"/> Sandy Gleyed Matrix (S4)	<b>MLRA 136)</b>		
<input type="checkbox"/> Sandy Redox (S5)	<input type="checkbox"/> Umbric Surface (F13) (MLRA 122, 136)		
<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)		

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









<b>Restrictive Layer (if observed):</b> Type: _____ Depth (inches): _____	<b>Hydric Soil Present?</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
---	---

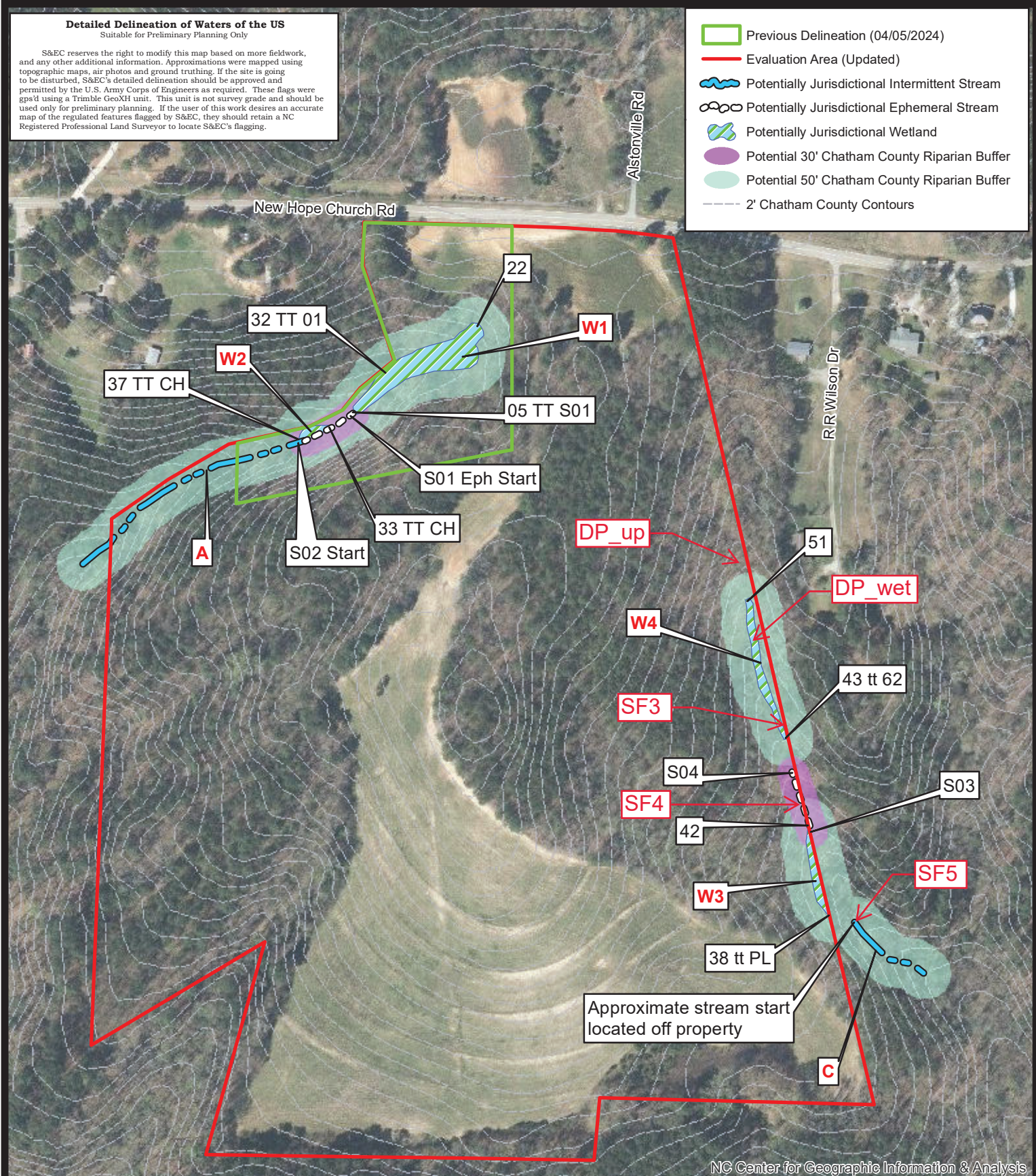
Remarks:



**Detailed Delineation of Waters of the US**  
Suitable for Preliminary Planning Only

S&EC reserves the right to modify this map based on more fieldwork, and any other additional information. Approximations were mapped using topographic maps, air photos and ground truthing. If the site is going to be disturbed, S&EC's detailed delineation should be approved and permitted by the U.S. Army Corps of Engineers as required. These flags were GPS'd using a Trimble GeoXH unit. This unit is not survey grade and should be used only for preliminary planning. If the user of this work desires an accurate map of the regulated features flagged by S&EC, they should retain a NC Registered Professional Land Surveyor to locate S&EC's flagging.

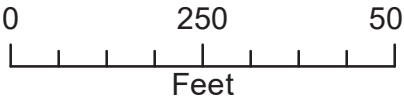
-  Previous Delineation (04/05/2024)
-  Evaluation Area (Updated)
-  Potentially Jurisdictional Intermittent Stream
-  Potentially Jurisdictional Ephemeral Stream
-  Potentially Jurisdictional Wetland
-  Potential 30' Chatham County Riparian Buffer
-  Potential 50' Chatham County Riparian Buffer
-  2' Chatham County Contours




NC Center for Geographic Information & Analysis


Project Number:	<b>12950.W6</b>
Project Manager:	<b>SB</b>
Scale:	<b>1" = 250'</b>
Date:	<b>06/17/2024</b>

Map Title:	<b>Wetland Sketch Map</b>
	<b>New Hope Overlook (Nunn)</b>
	<b>Chatham County, NC</b>
Source:	<b>Aerials from NC OneMap</b>



N





**Soil & Environmental Consultants, Inc.**  
8412 Falls of Neuse Road, Suite 104, Raleigh, NC 27615 • Phone (919) 846-5900 • Fax (919) 846-9467  
sandec.com





### WP-24-317

On-site Riparian Buffer  
Review

Status: Active  
Submitted On: 6/24/2024

### Primary Location

80 New Hope Church Rd  
Apex, North Carolina 27523

### Owner

DAVIS ARNETA N  
2320 LOCH HAVEN DR  
ROANOKE , VA 24019

### Applicant

Kevin Murphrey  
 919-916-0201  
 kmurphrey@sandec.com  
 8412 Falls of Neuse Rd  
Suite 104  
Raleigh, NC 27615

## Project Information

Review Type\*

Major Subdivision

**If your project is a Major Subdivision please contact a private consulting firm to complete the surface water determination. For stream determinations the consultant must have successfully completed the NCDWQ/NC State University Surface Waters Classification. For wetland delineations the consultant must demonstrate at least 2 years of experience delineating jurisdictional wetlands in accordance with the Eastern Mountains and Piedmont Regional Supplement to the 1987 US Corps of Engineers Wetland Delineation Manual. Please visit the Watershed Protection Department website for a list of consultants that regularly complete work within Chatham County.**

Has this review been completed by an environmental consultant prior to submittal to the county?\*

Yes

Number of Features Found\*

8

**Feature is defined as any surface water that is subject to Chatham County Riparian Buffers (streams, wetlands, ponds). Include each stream type transition, with corresponding forms, and individual wetland in your total. Total is total features found before USACE or County site visit.**

**Date Field Work Was Completed\***

06/17/2024

**Has USACE on-site review been scheduled or completed**

—

**☞ Number of Lots Being Created\***

1

---

## Parcel Information

**Parcel Number (s)\***

2

**Watershed District**

Critical Area

**Is the property within the Jordan Lake Watershed\***

Yes

**Property Owner Name\***

DAVIS ARNETTA N

**Location of Tract (address if applicable)\***

0 New Hope Church Road

**Driving Directions from Pittsboro\***

HWY 64 East to HWY 751 North 5 miles to New Hope Church Road make right property is past 2nd house on right



**Subdivision Name (if applicable)**

Olde Farm

**Please describe access issues (provide gate codes, or information for scheduling site visit)\***

NA

---

## Applicants Information

**Are you the Landowner or an Agent\***

Agent

**Full Name\***

Kevin Murphrey

**Primary Phone Number\***

919-916-0201

**Primary Email\***

kmurphrey@sandec.com

**Mailing Address\***

8412 Falls of Neuse Road

**City/State\***

Raleigh/NC

**Zip Code\***

27615

---

How would you like to receive the completed review letter?

I would like to pick up the completed Riparian Buffer Review at the County Office

I would like the completed Riparian Buffer Review mailed to me

I would like the completed Riparian Buffer Review e-mailed to me.



---

## Statement of Understanding

I have read and understand the regulations of the Watershed Protection Ordinance, Section 304, and I agree to adhere to these associated policies and guidelines.

Name\*

New Field\*

Kevin Murphrey

06/24/2024

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## Attachments



### Review Area Map

Pages from sec06062024.pdf

Uploaded by Kevin Murphrey on Jun 24, 2024 at 3:14 PM

REQUIRED

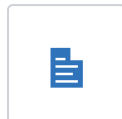


### Signed Right to Enter Property Form

Parcels 19725 and 72513 - Riparian Buffer Report.pdf

Uploaded by Kevin Murphrey on Jun 24, 2024 at 3:14 PM

REQUIRED

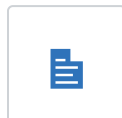


### Signed Owner's Agent Designation Form

Owner\_Agent Auth.pdf

Uploaded by Kevin Murphrey on Jun 24, 2024 at 3:03 PM

REQUIRED

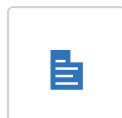


### Consultant Findings Report

SEC\_New Hope Overlook Property\_Mapset.pdf

Uploaded by Kevin Murphrey on Jun 24, 2024 at 3:59 PM

REQUIRED



### Consultants Findings Map

SEC New Hope Overlook Property Wetland Sketch Map.pdf

Uploaded by Kevin Murphrey on Jun 24, 2024 at 3:48 PM

REQUIRED

**NCDWQ Stream Identification Forms & Wetland Data Forms** REQUIRED

Stream forms.pdf

Uploaded by Kevin Murphrey on Jun 24, 2024 at 3:53 PM

**USGS Topographic Map** REQUIRED

Figure 1 - USGS Map.pdf

Uploaded by Kevin Murphrey on Jun 24, 2024 at 3:01 PM

**Figure 2 - Soil Survey Map.pdf**

Figure 2 - Soil Survey Map.pdf

Uploaded by Kevin Murphrey on Jun 24, 2024 at 3:02 PM

## History

Date	Activity
7/2/2024, 12:46:41 PM	Hollie Squires altered multi-entry field Watershed District, changed value from "" to "Critical Area" on Record WP-24-317
7/2/2024, 12:46:27 PM	Drew Blake added a guest: sballsball@sandec.com to Record WP-24-317
7/2/2024, 12:43:48 PM	Drew Blake approved approval step Watershed Intake Approval on Record WP-24-317
7/2/2024, 12:43:35 PM	Drew Blake changed Number of Features Found from "4" to "8" on Record WP-24-317
7/2/2024, 12:42:37 PM	approval step Watershed Intake Approval was assigned to Hollie Squires on Record WP-24-317
7/2/2024, 12:42:36 PM	Drew Blake changed Review Type from "Minor Subdivision" to "Major Subdivision" on Record WP-24-317
7/1/2024, 3:59:33 PM	Drew Blake altered approval step Planning Department Intake Approval, changed status from Active to On Hold on Record WP-24-317
6/24/2024, 4:00:05 PM	approval step Planning Department Intake Approval was assigned to Paula Phillips on Record WP-24-317
6/24/2024, 4:00:05 PM	Kevin Murphrey submitted Record WP-24-317
6/24/2024, 2:42:26 PM	Kevin Murphrey started a draft of Record WP-24-317



## Timeline

Label	Activated	Completed	Assignee	Due Date	Status
✓ Watershed Intake Approval	7/2/2024, 12:42:36 PM	7/2/2024, 12:43:48 PM	Hollie Squires	-	Completed
💰 Major Subdivision Riparian Buffer Review Fee	7/2/2024, 12:43:48 PM	-	Kevin Murphrey	-	Active
✓ Field Review	-	-	-	-	Inactive
📄 Major Subdivision Riparian Buffer Confirmation Report	-	-	-	-	Inactive



### Authorization to Enter Property Form

Date: Feb. 18, 2024

PARCEL No. (AKPAR) 19725

I, (print name) Renee Thompson POA for Arneta Davis Nuss as owner of the property described above, or as a representative of the owner(s) do hereby convey permission to Chatham County staff to enter the property at their convenience to conduct a surface water identification (SWID) necessary to determine whether or not water features on my property are subject to the riparian buffer regulations described in Section 304 of the Chatham County Watershed Protection Ordinance. The SWID will be public record and on file at the Planning and Watershed Protection Departments, and may be requested in the future for review by interested parties.

I understand that stream delineations for the property listed above will be made by County staff only once and that if future subdivisions are proposed within this property boundary, it will require a surface water identification by a private consultant at the property owner's expense.

Renee Thompson POA for  
(Print Owner's Name) Arneta Davis Nuss (Signature of Owner)  
(Date) 2/18/24

Maurice Nunn  
(Print Authorized Agent Name) Maurice Nunn 2/18/24  
(Signature of Authorized Agent)  
(Date)



# CHATHAM COUNTY

## AUTHORIZED AGENT FOR FORM

### PROPERTY LEGAL DESCRIPTION:

LOT NO. 1 PARCEL ID (PIN) 19725 PARCEL SIZE 1.75 ac

STREET ADDRESS: \_\_\_\_\_

Please print:  
Property Owner: Renee Thompson POA for Arnetta Davis Huis

Property Owner: \_\_\_\_\_

The undersigned owner(s) of the above described property, do hereby authorize

Maurice Nunn, of \_\_\_\_\_,  
(Contractor / Agent) (Name of consulting firm if applicable)

to act on my/our behalf and take all actions, I/we could have taken if present, necessary for the processing, issuance and acceptance of reviews, inspections, or permits and any and all standard and special conditions attached to these approvals. The activities authorized include the following (Check all that apply):

Check here for all of the below options.

- Building Permit
- Zoning Compliance Permits
- Floodplain Determination
- Soil Erosion & Sedimentation Control Permit
- Permits to install, repair, evaluate, or expand onsite wastewater system(s)
- Evaluation/inspection/permitting of a private drinking water well(s).
- Riparian Buffer Review pursuant to §304 of the Chatham Co. Watershed Protection Ordinance.
- Other: \_\_\_\_\_

Property Owner's Address (if different than property above):  
2320 Loch Haven Dr., Roanoke VA 24019

Telephone: 540-819-1958

E-mail: RThompson4540@gmail.com

We hereby certify the above information submitted in this application is true and accurate to the best of our knowledge.

Renee Thompson POA for Arnetta Davis Huis  
Owner Authorized Signature

Maurice Nunn  
Agent Authorized Signature

Date: \_\_\_\_\_

Date: 2/18/24