



*General Environmental Documentation  
Submittal Form*

*This form shall be completed by applicants building a  
Residential Development that includes 49 new lots or less.*

Proposed Subdivision/Project Name: Flatiron Forest Subdivision

Parcel #: (AKPAR): 2037 & 2014 Property address: North of 624 Hamlets Chapel Road

Total acreage: 42.69 acres

Property Owner/Applicant:	Representative <i>(e.g., Surveyor, Engineer)</i>
Name: <u>See attached Owner/Applicant Info</u>	Name: <u>Ben Mayo</u>
	Company: <u>WithersRavenel</u>
Address: _____ _____	Address: <u>115 Mackenan Drive</u> <u>Cary, NC 27511</u>
Phone: (W) _____ (C) _____	Phone: (W) <u>(919) 238-0341</u> (C) <u>(281) 202-8181</u>
Fax: _____	Fax: _____
Email: _____	Email: <u>bmayo@withersravenel.com</u>

**For Office Use Only**

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

Reviewed By: \_\_\_\_\_

1. **Project Description.** Provide a narrative describing existing site conditions, land use, natural and cultural resources and how the proposed project may potentially impact the existing conditions and resources. Include proposed uses of the property. Please describe your development plans.

This site is comprised of undeveloped woodlands and has been historically timbered. The dominant vegetation across the review area was classified as pine forest. The canopy was comprised predominantly of loblolly pine, with a sparse understory of red maple, sweet gum and American holly. See the attached Federally Listed Threatened & Endangered Species Assessment Report which has been provided as an attachment. The delineation completed for the project site identified one perennial stream, one intermittent stream, and one ephemeral stream were identified within the review area. Six wetlands were also identified within the review area and classified as bottomland hardwood forest wetlands and headwater forest wetlands. WR has submitted a request for a USACE Jurisdictional Determination (SAW-2022-01047) and a request for a Chatham Co. Buffer Determination on 05/11/2022. The review area is being accessed to determine the viability of the site for future residential development.

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2. **Describe the Zoning and Uses of adjacent properties below.**

North Residential (R-1)      South Residential (R-1)  
East Residential (R-1)      West Residential (R-1)

3. **Surface Waters (streams, ponds, lakes, wetlands).** Are there any surface waters on the property? Attach a list of surface waters and a map showing the location of the water resources in relation to the proposed development. Include riparian buffers, if applicable. Visit our website for information regarding protected riparian buffers: <http://www.chathamnc.org/Index.aspx?page=883> and for a list of consultants to assist you with identification of streams and delineation of wetlands.

4. **Is the project located in the Regulatory Floodplain/Floodway?** Yes  No   
FIRM Panel # 9764      Flood Zone Zone X      **If yes, please provide a map showing the Floodplain/Floodway on a site map.**

Use <http://www.ncfloodmaps.com> to view flood zones.

5. **Is there a Significant Natural Heritage Area on the project site?** Yes  No   
**If yes, please provide a map showing the Significant Natural Heritage Area on the site. Use this link to Request a Site Review directly from the NHP. Request permission to release the report and map to Chatham County.** <https://www.ncnhp.org/data/request-information>

6. **Are there federally listed or federal aquatic species of concern in the designated 14 Digit Hydrologic Unit drainage basin of the project?** Yes  No  See attached Federally Listed Species Locations Exhibit Use this website and select Wildlife Resources Commission dropdown menu. <http://chathamncqis.maps.arcgis.com/home/index.html>

7. Please **circle** the appropriate Watershed District (see the Watershed Protection Ordinance for descriptions).

WS II Balance of Watershed

WS III Critical Area

WS III Balance of Watershed

WS IV-Critical Area

WS IV Protected Area

River Corridor

River Corridor Special Area

Local Watershed Area

8. Does the project site contain element occurrences of natural diversity, including rare species, as determined by the NC Natural Heritage Program, NC Wildlife Resources Commission and US Fish and Wildlife Service? Yes \_\_\_ No X If yes, please provide a narrative. Use this website to determine EO: [www.ncnhp.org/web/nhp/element-occurrences](http://www.ncnhp.org/web/nhp/element-occurrences).

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# WithersRavenel

Our People. Your Success.

## Chatham County GED Owner/Applicant Information

Flatiron Forest Subdivision (WR#02220132.00)  
Pittsboro, Chatham County, NC

Applicant – RBV 1525, LLC; Rex Vick Jr. – Manager  
3434 Kildaire Farm Road, Suite 135  
Cary, NC 27518  
(919) 868-4924  
rvick@windjamdevelopment.com

Property Owner – Chatham Land & Timber Management LLC & Margaret Browning  
981 Old Graham Road  
Pittsboro, NC 27312

115 MacKenan Drive | Cary, NC 27511

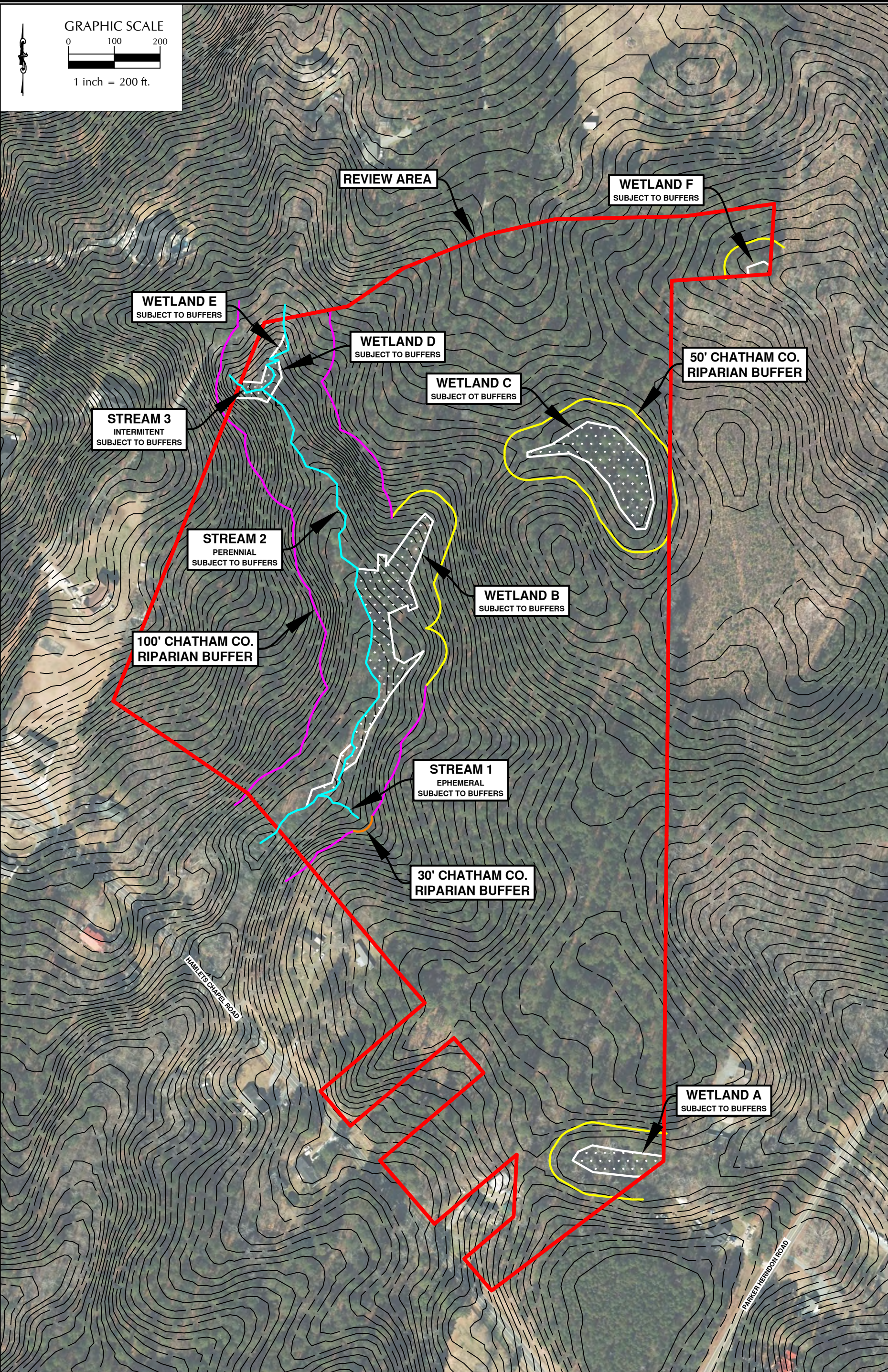
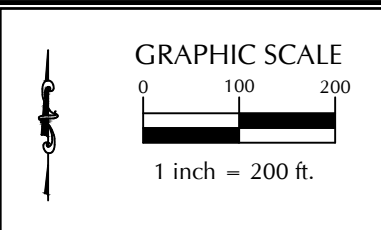
t: 919.469.3340 | f: 919.467.6008 | [www.withersravenel.com](http://www.withersravenel.com) | License No. F-1479

Asheville | Cary | Charlotte | Greensboro | Lumberton | Pittsboro | Raleigh | Southern Pines | Wilmington

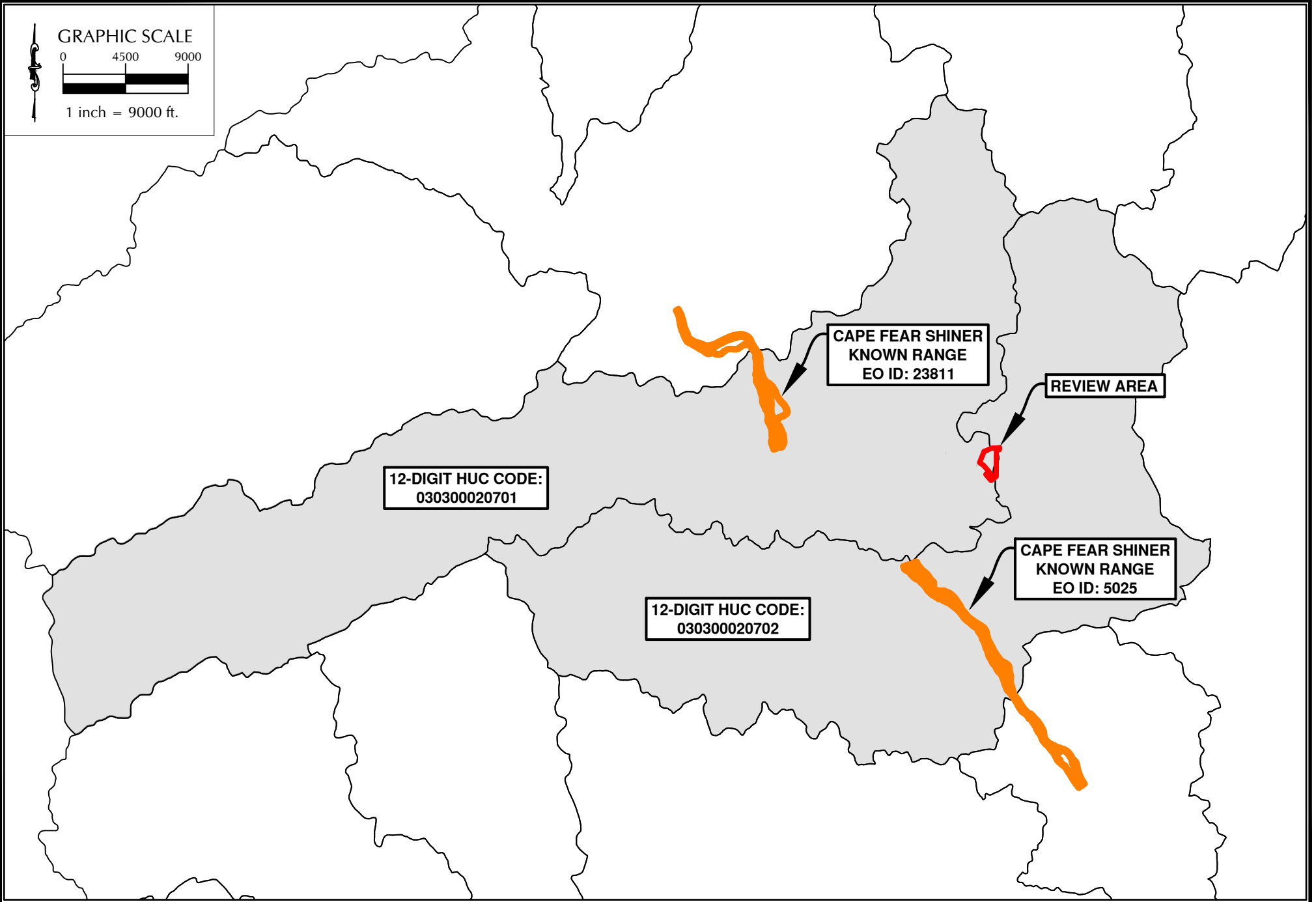
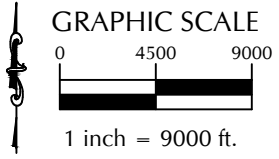
**Surface Waters Classification**

Flatiron Forest Subdivision (WR#02220132.00)

Surface Water	Classification	Chatham County Buffer Subjectivity
Stream 1	Ephemeral	Subject to 30' Buffers
Stream 2	Perennial	Subject to 100' Buffers
Stream 3	Intermittent	Subject to 50' Buffers
Wetland A	Headwater Forest Wetland	Subject to 50' Buffers
Wetland B	Bottomland Hardwood Forest Wetland	Subject to 50' Buffers
Wetland C	Headwater Forest Wetland	Subject to 50' Buffers
Wetland D	Bottomland Hardwood Forest Wetland	Subject to 50' Buffers
Wetland E	Bottomland Hardwood Forest Wetland	Subject to 50' Buffers
Wetland F	Headwater Forest Wetland	Subject to 50' Buffers



- NOTES:**
- 1) WETLAND/BUFFER DELINEATION PERFORMED BY WR ON 03/30/2022.
  - 2) WETLAND/STREAM/BUFFER LOCATIONS ARE APPROXIMATE, BASED ON GPS LOCATION, CHATHAM COUNTY GIS DATA, AND TOPOGRAPHIC INTERPRETATION.
  - 3) BUFFER SUBJECTIVITY BASED ON CHATHAM COUNTY WATERSHED PROTECTION ORDINANCE. BUFFER SUBJECTIVITY SHOULD BE VERIFIED BY CHATHAM COUNTY PRIOR TO DESIGN.
  - 4) DELINEATION AND JURISDICTIONAL STATUS SHOULD BE VERIFIED BY USACE PRIOR TO DESIGN.



FLATIRON FOREST SUBDIVISION

FEDERALLY LISTED SPECIES LOCATIONS





May 18, 2022

Rex Vick  
RBV Investments, LLC  
3434 Kildaire Farm Road  
Suite 135  
Cary, NC 27518

Re: Flatiron Forest Subdivision  
Pittsboro, Chatham County  
Federally Listed Threatened & Endangered Species Assessment  
WR Project #02220132.00

Mr. Vick:

WithersRavenel (WR) has conducted a site review of the Flatiron Forest Subdivision review area for the purpose of evaluating the presence of federally listed threatened and endangered species and/or potential habitat within the review area. The review area is 42.69 acres and consists of all of the one parcel (Chatham Co Parcel ID: 2014, 0.69 acres), and the 42-acre portion of the larger parcel (Chatham Co Parcel ID: 2037, 92 acres) located east of Hamlets Chapel Road in Pittsboro, Chatham County, North Carolina (Lat: 35.795104°N; Long: -79.128811°W).

The review area is located within the Cape Fear River Basin (HUC 03030002) and drains to the Haw River. The NC Stream Index for the Haw River is 16-(28.75) and the Water Quality Classification is WS-IV; NSW, CA.

WR surveyed the review area for the presence of federally listed threatened and endangered species, or their potential habitat, protected under the Endangered Species Act (ESA). This report summarizes the findings of the survey.

### **Proposed Activities**

The review area is being assessed to determine the viability of the site for the future development of a residential neighborhood.

### **Site Conditions**

The review area consists entirely of undeveloped woodlands and contains three streams and a small wetland complex. The onsite woodlands were characterized as pine plantation forest.

Based on a review of historical aerial imagery the property was logged/clearcut around 1985 and reforested with rows of planted pine trees between 1999-2005. Since 2005, the pine forest has been managed for silviculture, including periodic thinning of the pines. The vegetative community within the review area has been classified as pine plantation forest which has a dense canopy dominated by loblolly pine (*Pinus taeda*) and the understory sparsely vegetated with



American holly (*Ilex opaca*), Chinese privet (*Ligustrum sinense*) and Japanese stiltgrass (*Microstegium vimineum*).

## Threatened & Endangered Species Review

### Methodology

WR reviewed the US Fish and Wildlife Service's online threatened and endangered species database, located at: [http://www.fws.gov/raleigh/species/cntylist/nc\\_counties.html](http://www.fws.gov/raleigh/species/cntylist/nc_counties.html) and the NC Wildlife Resource Commission's "State and Federally Listed Endangered Wildlife Species of North Carolina" publication, located at [www.ncwildlife.org](http://www.ncwildlife.org), to identify federally listed threatened and endangered species known to occur in Chatham County, North Carolina.

WR submitted a request on 03/10/2022 for the official species list generated using USFWS' Information for Planning and Consultation (IPaC), located at <https://ecos.fws.gov/ipac/>. This species list identifies threatened, endangered, proposed and candidate species, as well as proposed and designated critical habitat, that may occur within the boundary of the project and may be affected by the project. The IPaC list specified that there are six species (Red-cockaded Woodpecker, Cape Fear Shiner, and Harperella) that may be within the project area or affected by the project. The IPaC list has been provided as an attachment.

WR submitted a project review request to the NCNHP through their Data Explorer webpage, located at: <https://ncnhde.natureserve.org/>, to identify known occurrences of federally listed threatened or endangered species within 1.0 mile of the review area. The NCNHP project review did not identify any known occurrences of federally listed species within the review area or within 1.0 miles, as documented in the attached letter from NCNHP dated 03/10/2022.

On 03/30/2022, WR conducted a pedestrian survey to assess vegetative communities and identify potential habitat for, or occurrences of federally listed species within or immediately adjacent to the review area. The review area contained one vegetative community (pine plantation forest) as discussed in the Site Conditions section of this report.

### Species Synopsis and Preliminary Assessment Results

Plants and animals classified as Endangered (E) or Threatened (T) by the USFWS are protected under the provisions of Section 7 and Section 9 of the Endangered Species Act of 1973, as amended. Plants and animals classified as Proposed (P) are currently proposed for official designation of a protected species under the Endangered Species Act. The following table presents federally listed species on the IPaC list dated 03/10/2022.

Common Name	Scientific Name	Federal Status	Habitat Present	Biological Determination
<b>Federally Listed Species by USFWS for Chatham County</b>				
Bald Eagle	<i>Haliaeetus leucocephalus</i>	BGEPA*	No	No Effect
Red-Cockaded Woodpecker	<i>Picoides borealis</i>	E	No	No Effect
Cape Fear Shiner	<i>Notropis mekistocholas</i>	E	No	No Effect
Harperella	<i>Ptilimnium nodosum</i>	T	No	No Effect

\*BGEPA – Bald and Golden Eagle Protection Act

### **Bald Eagle (BGEPA)**

Habitat for the bald eagle primarily consists of mature forest in proximity to large bodies of open water for foraging. Large dominant trees are utilized for nesting sites, typically within 1.0 mile of open water. WR reviewed the NC Natural Heritage Program GIS data to determine the location of the known bald eagle nest sites and their distance from the review area. Based on the NCNHP GIS data, there are no known occurrences of bald eagle nesting/roosting sites within 1.0 mile of the review area. According to the 2022 NCNHP data, the nearest known bald eagle nest (EOID: 15747) is ±3.87 miles east of the review area. The US Fish and Wildlife Services’ “National Bald Eagle Management Guidelines” (May 2007), specifies that activities taking place in excess of 660’ from a Bald eagle nest will have no effect on the nesting activities.

During the pedestrian surveys, no bald eagles or their nests were observed within or adjacent to the review area. Additionally, no bald eagles were observed in flight. The review area did not contain large dominant trees with unobstructed access that could be used for nesting sites. Furthermore, there is no potential foraging habitat within 2.0 miles and therefore a survey of the areas within 660’ of the review areas was not required.

Based on a lack of suitable nesting habitat, and lack of nearby records, WR concludes that the project will have No Effect on bald eagles.

Biological Determination – No Effect

### **Red-Cockaded Woodpecker (E)**

The red-cockaded woodpecker (RCW) occurs in extensive tracts of open stands of mature pines, particularly longleaf pine (*Pinus palustris*), for foraging and nesting/roosting habitat, typically 70 to 100 acres or more. The red-cockaded woodpecker is rarely found in deciduous or mixed pine-hardwoods. The RCW excavates cavities for nesting and roosting in living pine trees, aged 60 years or older, which are contiguous with pine stands at least 30 years of age to provide foraging habitat. Optimal habitat is characterized as a broad savanna with a scattered overstory of large pines and a dense groundcover containing a diversity of grass, forbs, and shrub species. Midstory vegetation is sparse or absent. Frequent fires maintain the quality of the RCW’s habitat. The

foraging range of the RCW is normally no more than 0.5 miles. The review of the NCNHP GIS data did not identify any known occurrences of RCW within 1.0 miles of the review area.

The onsite pine plantation forest is approximately 17-23 years of age based on historic aerials, making them much too young to be considered potential RCW nesting habitat. The pedestrian survey confirmed that there are no large, contiguous stands of mature pine dominated forest that could be potential RCW nesting habitat. A review of aerial photography determined that there are no large areas of mature pine forest within 0.5 mile of the review area sufficient to be considered suitable RCW nesting habitat. Therefore, the review area was not considered potential RCW foraging habitat.

Based on a lack of potential habitat, and lack of nearby records, WR concludes that the proposed project will have No Effect on RCW.

Biological Determination – No Effect

### **Cape Fear Shiner (E)**

The Cape Fear shiner is a small (approximately 2” long), yellowish minnow with a black band along the sides of its body. The Cape Fear shiner is generally associated with gravel, cobble and boulder substrates and is endemic to the upper Cape Fear River Basin in the Central Piedmont of North Carolina. The species is known to occur in tributaries and mainstems of the Deep River, Haw River, Rocky River and Cape Fear River in Chatham, Harnett, Lee, Moore and Randolph Counties.

The USFWS identifies the Critical Habitat Designation for the Cape Fear Shiner as being  $\pm 4.1$  miles of the Rocky River from NC Hwy 902 bridge downstream to Chatham County Road 1010 Bridge, and  $\pm 0.5$  river miles of Bear Creek, from Chatham County Road 2156 Bridge downstream to the Rocky River, then downstream in the Rocky River ( $\pm 4.2$  river miles) to the Deep River, the downstream in the Deep River ( $\pm 2.6$  river miles) to a point 0.3 river miles below the Moncure, NC, USGS Geological Survey Gauging Station. The USFWS designated critical area is located approximately 18.5 miles from the project, within an adjacent tributary. Constituent elements include clean streams with gravel, cobble and boulder substrates with pools, riffles, shallow runs and slack water areas with large outcrops and side channels and pools with water of good quality with relatively low silt loads (USFWS, Federal Register reference 9/25/87, Federal Register, 2: 36034-36039).

The proposed project is outside of the designated critical area for the Cape Fear shiner. The ephemeral and intermittent streams located in the review area were not considered potential habitat due to the lack of water in these streams during portions of the year. The perennial stream within the review area was small and shallow only having a depth of water approximately 2-4”. This perennial stream contained sandy beds and did not contain significant gravel or cobble substrates, and therefore was not considered suitable habitat.

Based on being outside the designated critical habitat, the lack of potential habitat, lack of nearby records, WR concludes that the project will have No Effect on the Cape Fear shiner.

Biological Determination – No Effect

## Harperella (T)

Harperella is a perennial herb that grows to a height of 6-36 inches with leaves that are hollow, quill-like structures. Harperella flowers from May until the first frost, and the small white flowers occur in heads, reminiscent of a small Queen Anne's lace flower head. Harperella is typically found on rocky or gravel shoals and sandbars and along the margins of clear, swift-flowing stream sections. The only known population in Chatham County is a recently re-introduced population in the Deep River after the original population known from that area disappeared.

The ephemeral and intermittent streams located in the review area were not considered potential habitat due to the lack of water in these streams during portions of the year. The perennial stream was a small, low-flowing shallow stream that had a depth of water approximately 2-4" and therefore was not considered suitable habitat.

Based on the lack of potential habitat, lack of nearby records, WR concludes that the project will have No Effect on harperella.

Biological Determination – No Effect

## Summary

The review area does not contain occurrences of, or potential habitat for the Bald Eagle, RCW, Cape Fear Shiner, or Harperella and the proposed activities will have no effect on these species. Therefore, based our findings and best professional judgment Section 7 consultation with the USFWS under the ESA is not required as the proposed project will have No Effect on federally listed threatened or endangered species known to occur in Chatham County.

Please feel free to contact me if you have any questions or concerns regarding the contents of this report.

Sincerely,



Alyssa Ricci  
Environmental Scientist  
WithersRavenel



Troy Beasley  
Senior Environmental Scientist  
WithersRavenel

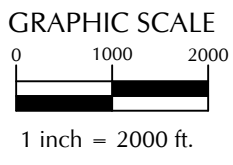
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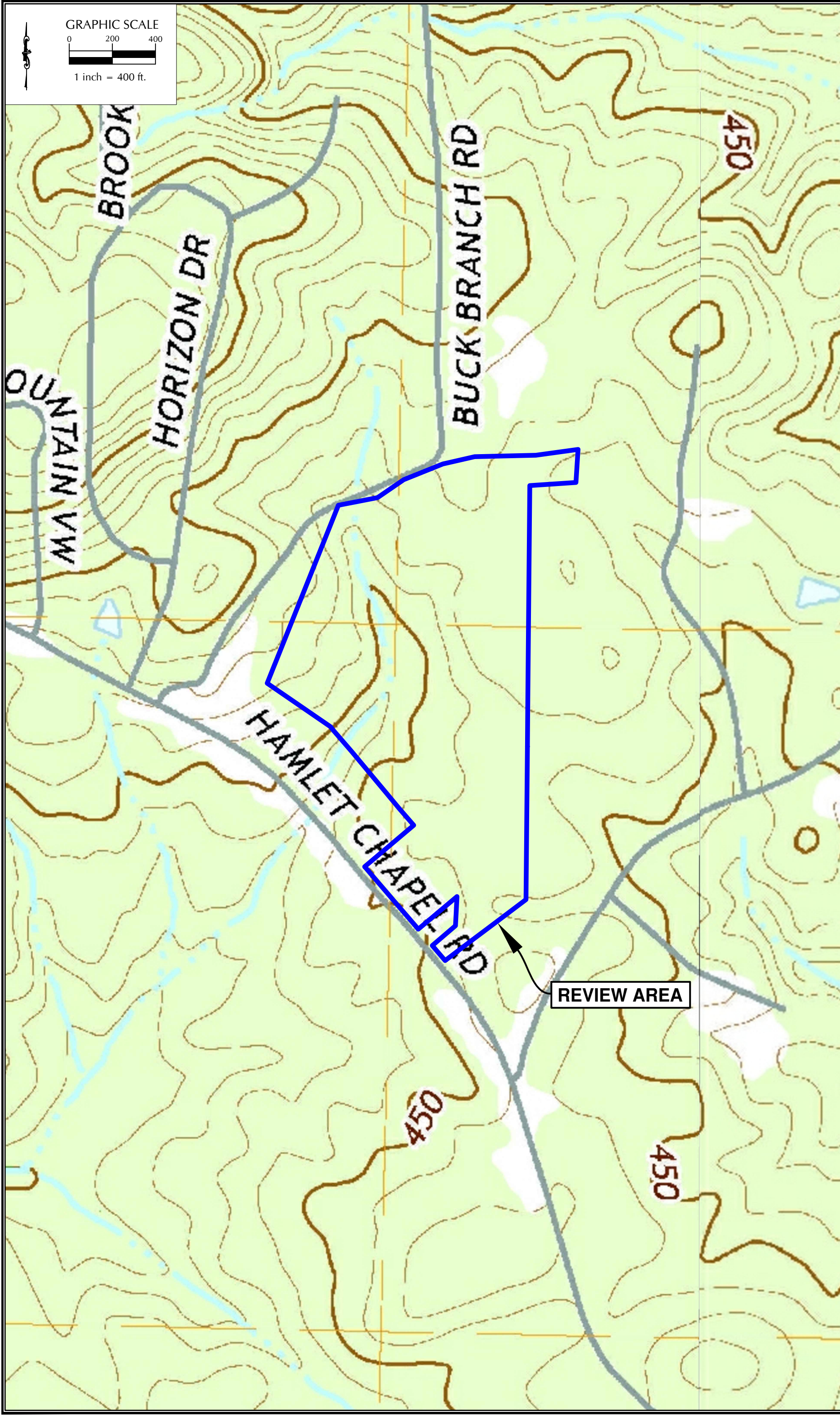
- 1) USGS Quadrangle Exhibits
- 2) Aerial Exhibit
- 3) Vegetative Communities Exhibit
- 4) Bald Eagle Location Exhibit
- 5) Chatham County Soil Survey Exhibit
- 6) USFWS Official Species List
- 7) NCNHP Project Review Letter
- 8) Photo Documentation

**REFERENCES**

1. 2021 Natural Heritage Program List of Rare Plant Species of North Carolina. Edited by Laura Gadd Robinson. N. C. Natural Heritage Program; NC Department of Environment and Natural Resources.
2. 2020 Natural Heritage Program List of the Rare Animal Species of North Carolina. Compiled by Judith A. Ratcliffe. N. C. Natural Heritage Program; NC Department of Environment and Natural Resources.
3. Flora of the Southern and Mid-Atlantic States - May 2015 version by Alan S. Weakly, University of North Carolina Herbarium.
5. Natural Heritage Program Database Search at: <https://ncnhde.natureserve.org/> accessed 01/07/2022.
6. NC Natural Heritage Program Project Review Letter dated 03/10/2022.
7. USFWS IPaC Official Species List dated 03/10/2022.

# USGS QUADRANGLE EXHIBITS





GRAPHIC SCALE  
 0 200 400  
 1 inch = 400 ft.

Sheet No. 2

WithersRavenel  
 Engineers | Planners | Surveyors

USGS QUAD (2019) - BYNUM

FLATRION FOREST SUBDIVISION  
 CHATHAM COUNTY  
 NORTH CAROLINA

PITTSBORO

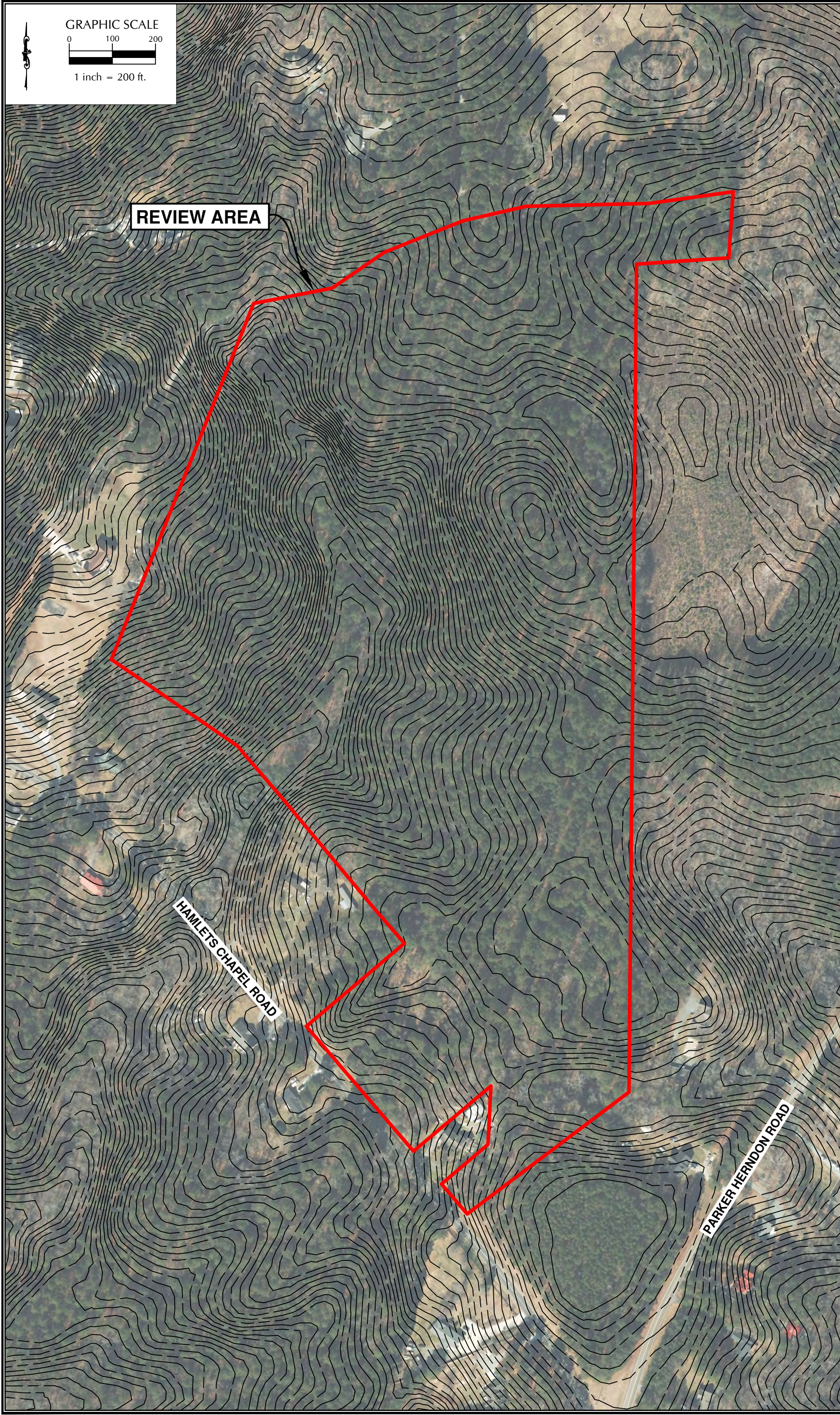
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Checked By	AL
Job No.	0220135.00

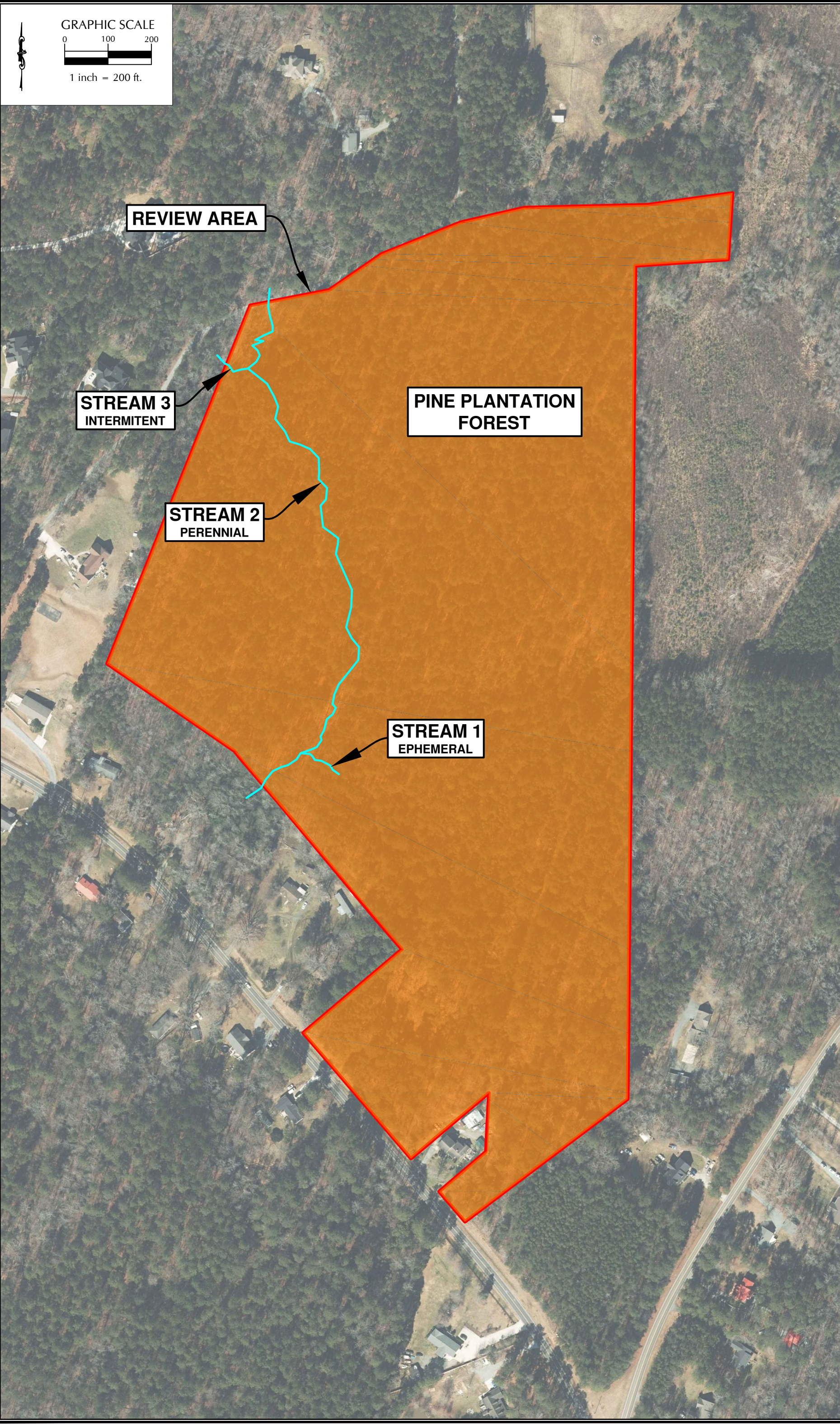
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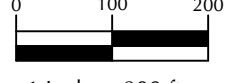
## AERIAL EXHIBIT



# VEGETATIVE COMMUNITIES EXHIBIT



GRAPHIC SCALE



1 inch = 200 ft.

REVIEW AREA

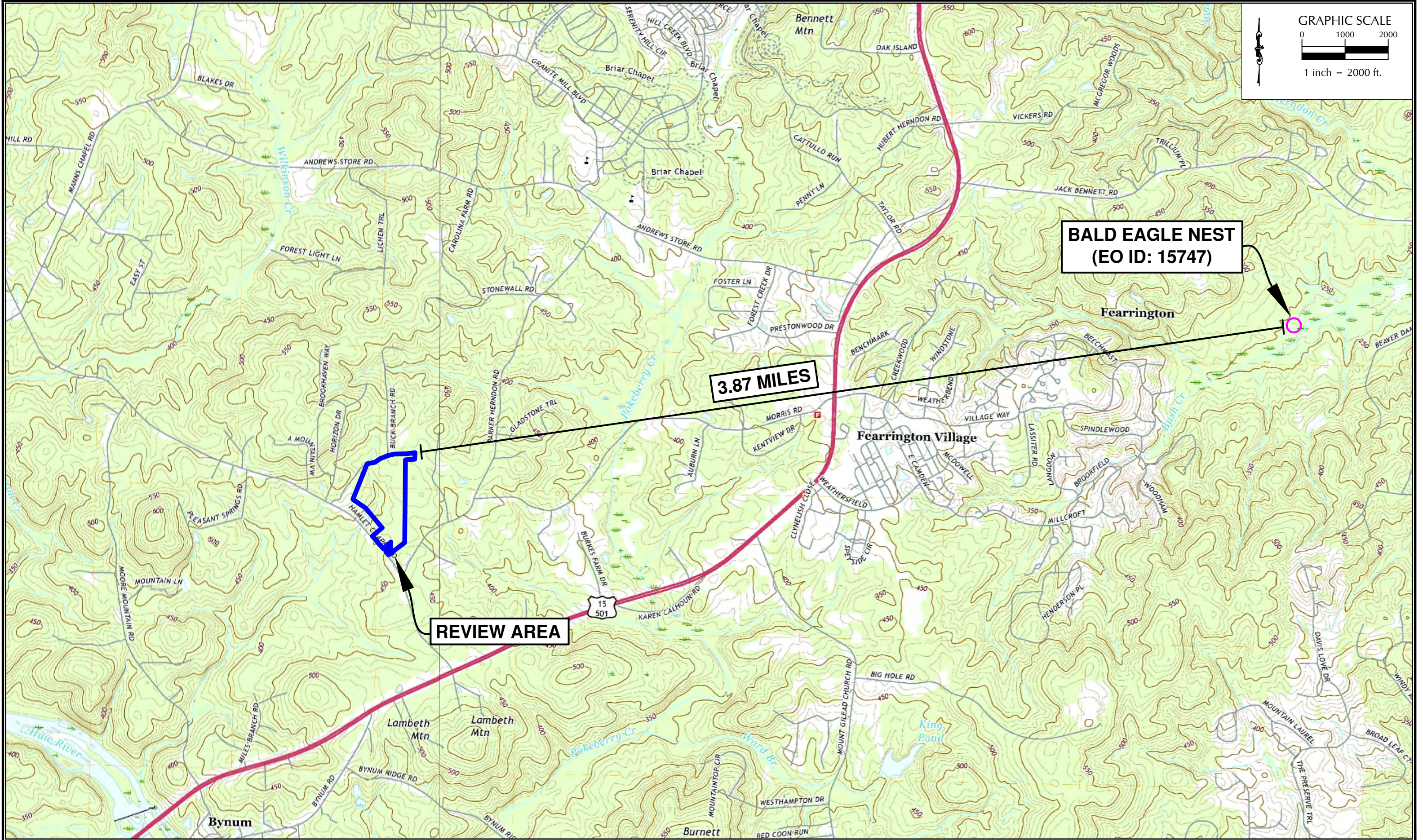
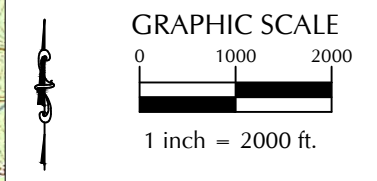
STREAM 3  
INTERMITTENT

STREAM 2  
PERENNIAL

STREAM 1  
EPHEMERAL

PINE PLANTATION  
FOREST

## BALD EAGLE EXHIBIT



K:\22-0130\220132-Flatiron Forest\Streams\CAD\Printin T&E Exhibit.dwg - Friday, May 13, 2022 12:24:40 PM - RICCI, ALYSSA

Designer	WR	Scale	1" = 2000'
Drawn By	AR	Date	05/11/2022
Checked By	THB	Job No.	02220132.00

**FLATIRON FOREST SUBDIVISION**  
PITTSBORO CHATHAM COUNTY NORTH CAROLINA

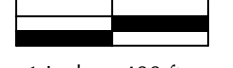
**BALD EAGLE EXHIBIT**


**WithersRavenel**  
 Engineers | Planners | Surveyors

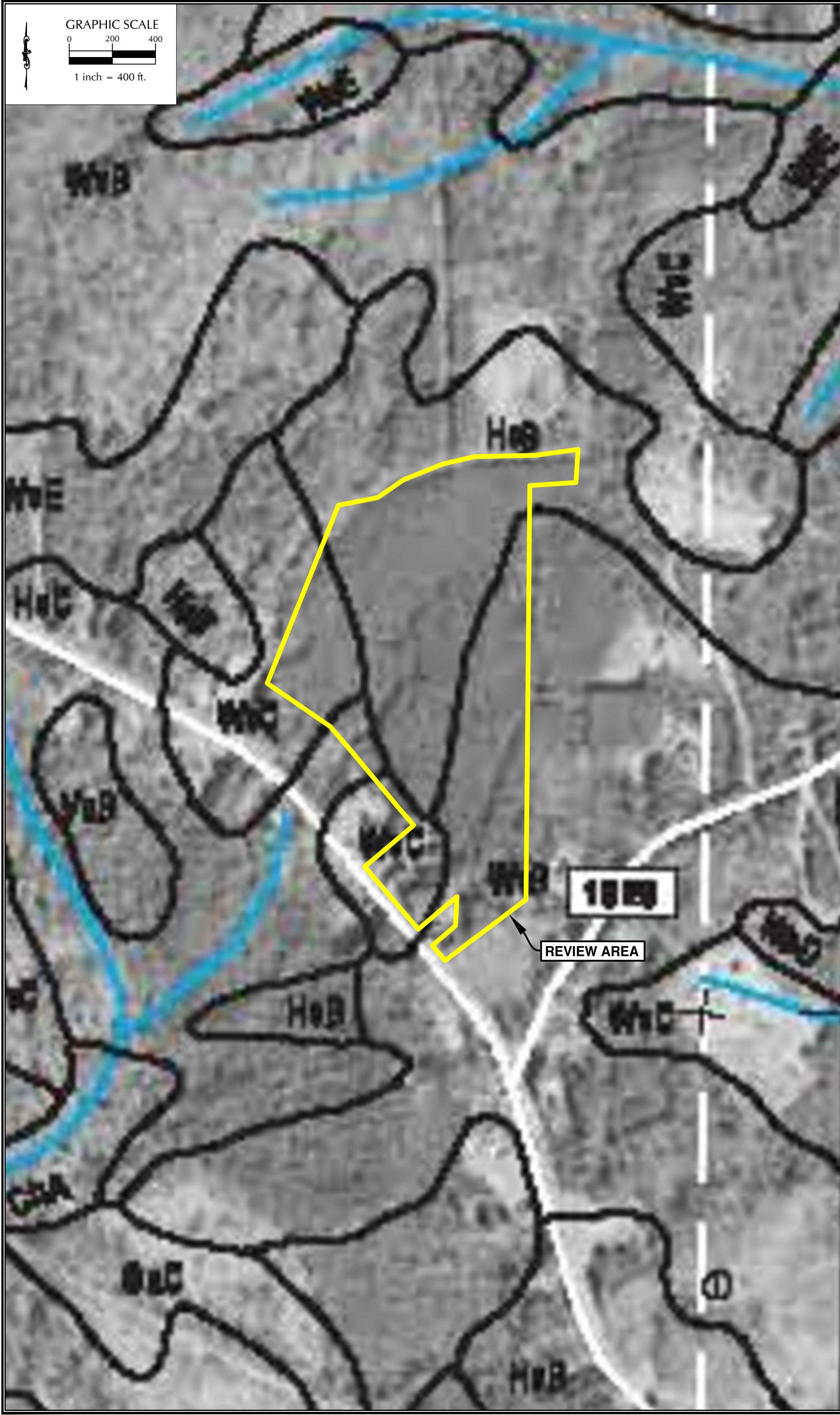
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**4**

# CHATHAM CO. SOIL SURVEY

GRAPHIC SCALE



1 inch = 400 ft.





# USFWS OFFICIAL SPECIES LIST



## United States Department of the Interior



FISH AND WILDLIFE SERVICE  
Raleigh Ecological Services Field Office  
Post Office Box 33726  
Raleigh, NC 27636-3726  
Phone: (919) 856-4520 Fax: (919) 856-4556

In Reply Refer To:  
Project Code: 2022-0018370  
Project Name: Flatiron Forest

March 10, 2022

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

### To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological

evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF>

**Migratory Birds:** In addition to responsibilities to protect threatened and endangered species under the Endangered Species Act (ESA), there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity, intentional or unintentional, resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the U.S. Fish and Wildlife Service (50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)). For more information regarding these Acts see <https://www.fws.gov/birds/policies-and-regulations.php>.

The MBTA has no provision for allowing take of migratory birds that may be unintentionally killed or injured by otherwise lawful activities. It is the responsibility of the project proponent to comply with these Acts by identifying potential impacts to migratory birds and eagles within applicable NEPA documents (when there is a federal nexus) or a Bird/Eagle Conservation Plan (when there is no federal nexus). Proponents should implement conservation measures to avoid or minimize the production of project-related stressors or minimize the exposure of birds and their resources to the project-related stressors. For more information on avian stressors and recommended conservation measures see <https://www.fws.gov/birds/bird-enthusiasts/threats-to-birds.php>.

In addition to MBTA and BGEPA, Executive Order 13186: *Responsibilities of Federal Agencies to Protect Migratory Birds*, obligates all Federal agencies that engage in or authorize activities that might affect migratory birds, to minimize those effects and encourage conservation measures that will improve bird populations. Executive Order 13186 provides for the protection of both migratory birds and migratory bird habitat. For information regarding the implementation of Executive Order 13186, please visit <https://www.fws.gov/birds/policies-and-regulations/executive-orders/e0-13186.php>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Code in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

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Attachment(s):

- Official Species List

## **Official Species List**

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

**Raleigh Ecological Services Field Office**

Post Office Box 33726

Raleigh, NC 27636-3726

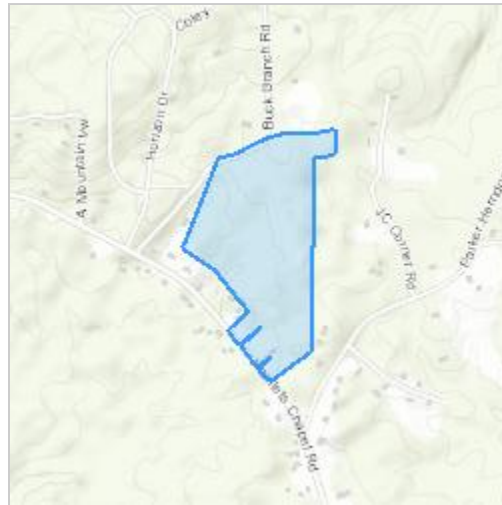
(919) 856-4520

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## Project Summary

Project Code: 2022-0018370  
Event Code: None  
Project Name: Flatiron Forest  
Project Type: Residential Construction  
Project Description: 02220132.00 Flatiron Forest  
Project Location:

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@35.79556255,-79.1295879470006,14z>



Counties: Chatham County, North Carolina

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## Endangered Species Act Species

There is a total of 4 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries<sup>1</sup>, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

### Birds

NAME	STATUS
Red-cockaded Woodpecker <i>Picoides borealis</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/7614">https://ecos.fws.gov/ecp/species/7614</a>	Endangered

### Fishes

NAME	STATUS
Cape Fear Shiner <i>Notropis mekistocholas</i> There is <b>final</b> critical habitat for this species. The location of the critical habitat is not available. Species profile: <a href="https://ecos.fws.gov/ecp/species/6063">https://ecos.fws.gov/ecp/species/6063</a>	Endangered

### Insects

NAME	STATUS
Monarch Butterfly <i>Danaus plexippus</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/9743">https://ecos.fws.gov/ecp/species/9743</a>	Candidate

### Flowering Plants

NAME	STATUS
Harperella <i>Ptilimnium nodosum</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/3739">https://ecos.fws.gov/ecp/species/3739</a>	Endangered

## **Critical habitats**

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.



## **IPaC User Contact Information**

Agency: WithersRavenel

Name: Alyssa Ricci

Address: 115 Mackenan Drive

City: Cary

State: NC

Zip: 27511

Email: aricci@withersravenel.com

Phone: 9192158619

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# NCNHP PROJECT REVIEW LETTER



Roy Cooper, Governor

D. Reid Wilson, Secretary

Misty Buchanan  
Deputy Director, Natural Heritage Program

NCNHDE-17376

March 10, 2022

Troy Beasley  
WithersRavenel  
115 MacKenan Drive  
Cary, NC 27511  
RE: Flatiron Forest; 02220132.00

Dear Troy Beasley:

The North Carolina Natural Heritage Program (NCNHP) appreciates the opportunity to provide information about natural heritage resources for the project referenced above.

A query of the NCNHP database, based on the project area mapped with your request, indicates that there are no records for rare species, important natural communities, natural areas, and/or conservation/managed areas within the proposed project boundary, or within a one-mile radius of the project boundary.

Please note that although there may be no documentation of natural heritage elements within or near the project boundary, it does not imply or confirm their absence; the area may not have been surveyed. The results of this query should not be substituted for field surveys where suitable habitat exists. In the event that rare species are found within the project area, please contact the NCNHP so that we may update our records.

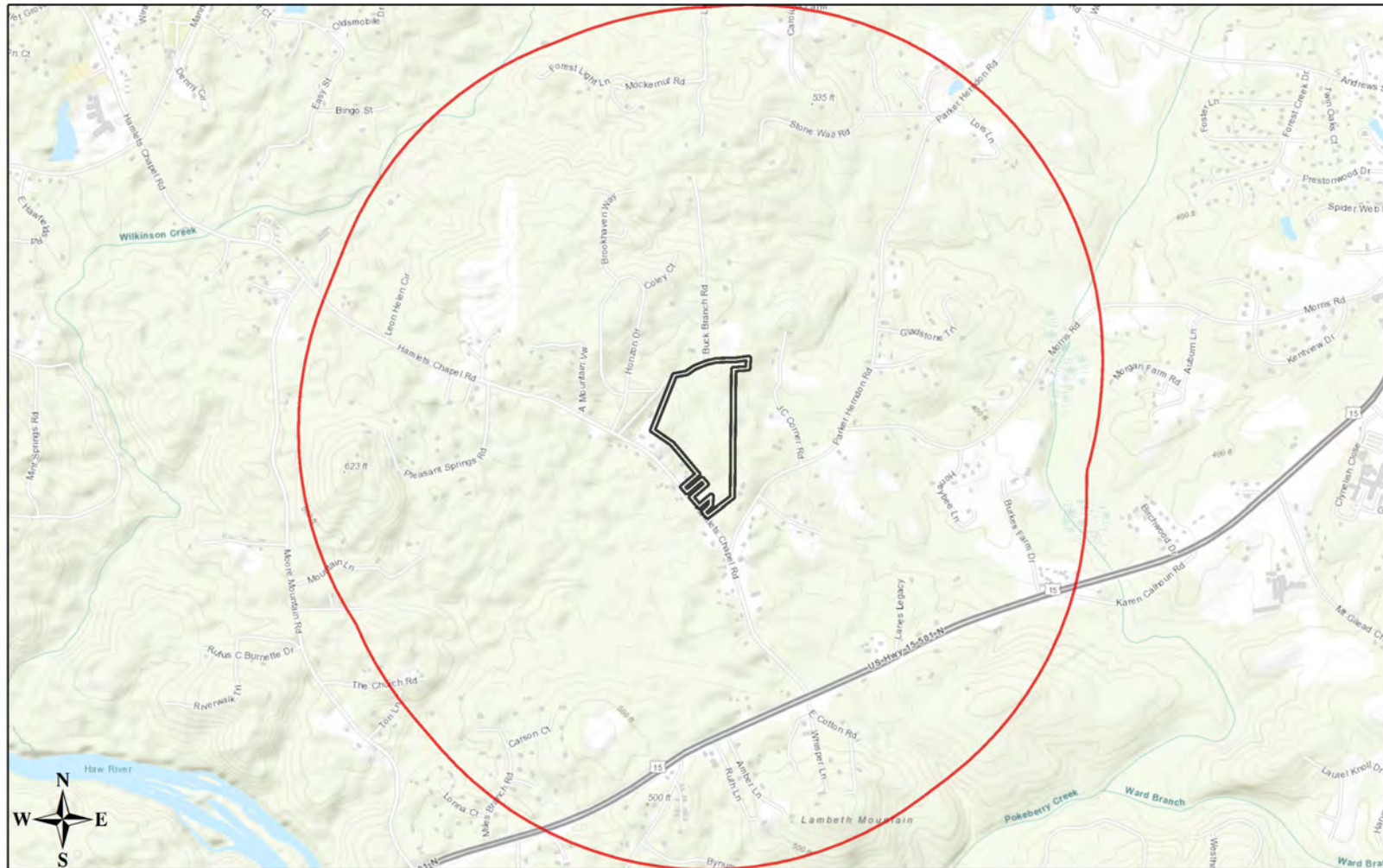
Please also note that natural heritage element data are maintained for the purposes of conservation planning, project review, and scientific research, and are not intended for use as the primary criteria for regulatory decisions. Information provided by the NCNHP database may not be published without prior written notification to the NCNHP, and the NCNHP must be credited as an information source in these publications. Maps of NCNHP data may also not be redistributed without permission.

If you have questions regarding the information provided in this letter or need additional assistance, please contact Rodney A. Butler at [rodney.butler@ncdcr.gov](mailto:rodney.butler@ncdcr.gov) or 919.707.8603.



Sincerely,

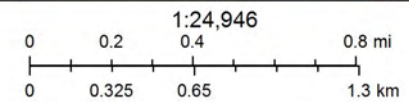
NC Natural Heritage Program

# NCNHDE-17376: Flatiron Forest



March 10, 2022

-  Project Boundary
-  Buffered Project Boundary



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

# PHOTO DOCUMENTATION



# WithersRavenel

Our People. Your Success.

## Flatiron Subdivision–Pittsboro, Chatham County Photographic Documentation



Photo 1: View of typical pine plantation forest throughout the review area.



Photo 2: Additional view of the pine plantation forest throughout the review area.



Photo 3: View of the perennial stream within the review area, facing upstream.



Photo 4: View of the intermittent stream within the review area, facing upstream.